

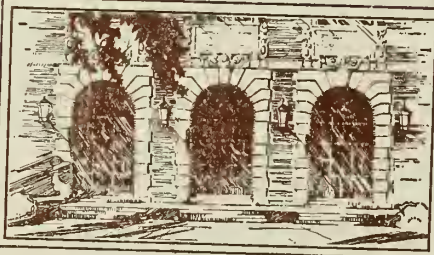
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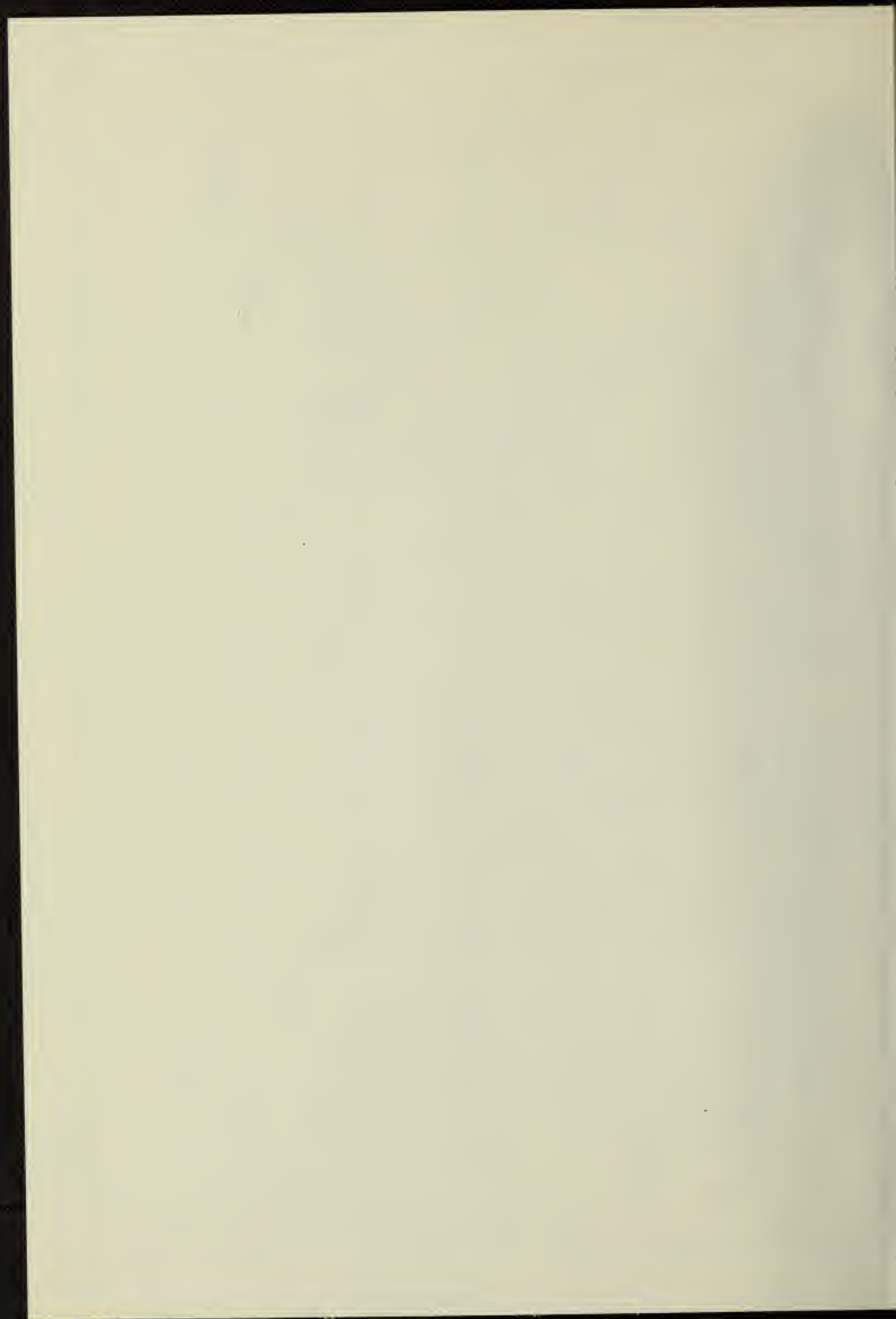
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ENDOCRINOLOGY INDEX

National Institute of Arthritis,
Metabolism, and Digestive Diseases

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HEALTH, EDUCATION, AND WELFARE

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis,
Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1975.

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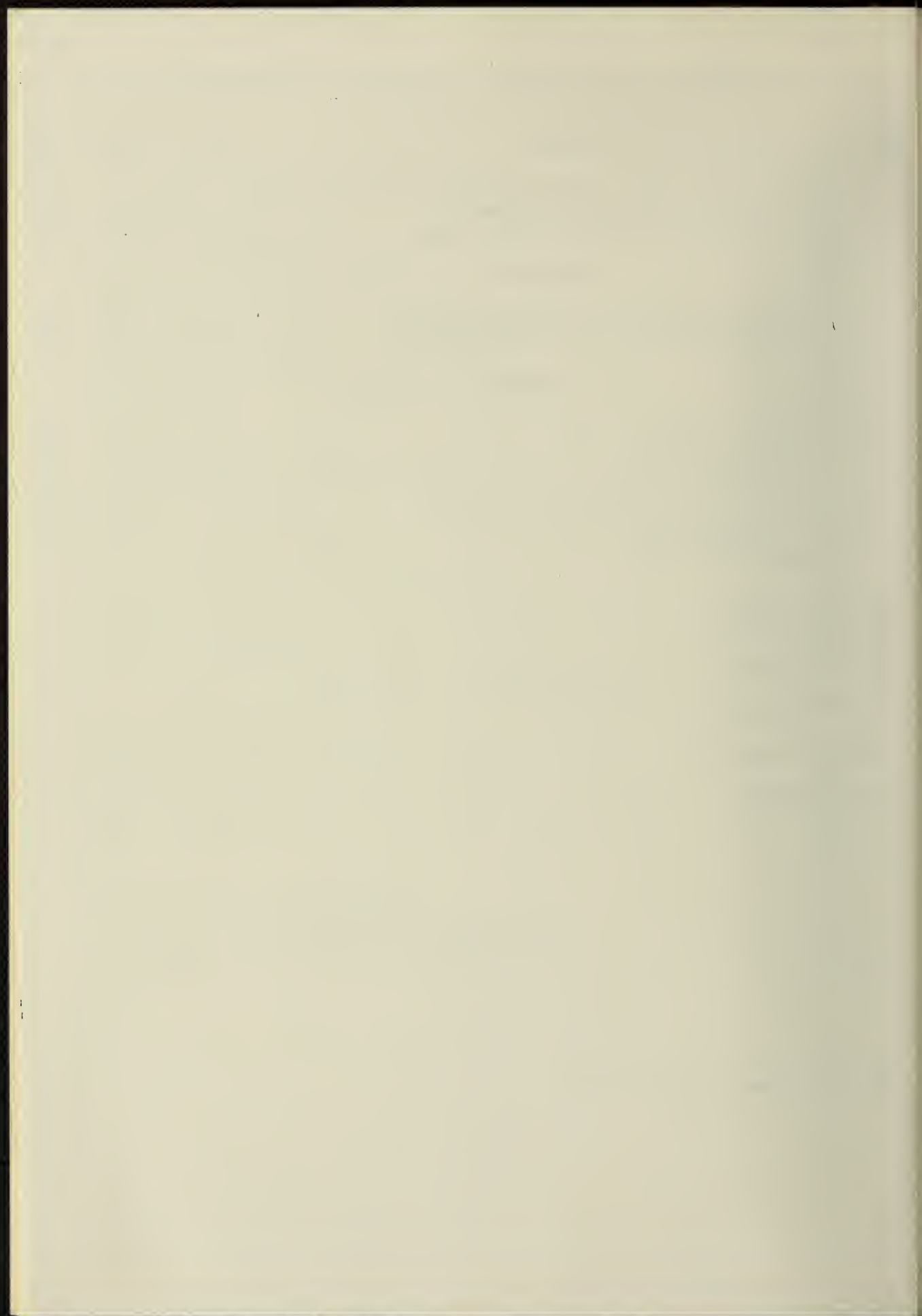
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Binding of a tritiated thyrotropin-releasing factor to a prolactin secreting clonal cell line (GH3). Gourdl D, et al. *Exp Cell Res* 82:39-46, Nov 73
 Neutralization of human thyrotropin by antisera to subunits of glycoprotein hormones. Nisula BC, et al. *J Clin Endocrinol Metab* 37:864-9, Nov 73
 Pituitary extracts and steroid hormones in the control of 3T3 cell growth. Armelin HA. *Proc Natl Acad Sci USA* 70:2702-6, Sep 73

ANALYSIS

Human pituitary thyrotropin: primary structure of the hormone specific beta subunit. Salram MR, et al. *Biochem Biophys Res Commun* 54:426-31, 5 Sep 73
 The distribution of vasopressin and oxytocin in the hypothalamoneurohypophyseal system of the guinea-pig. Bisset GW, et al. *Br J Pharmacol* 48:263-72, Jun 73
 Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
 Separation of some pituitary proteohormones by disc-electrophoresis. Knopp J, et al. *Endocrinol Exp (Bratisl)* 7:203-6, Sep 73
 Effect of synthetic luteinizing hormone releasing hormone on pituitary and serum levels of luteinizing hormone of intact and median eminence lesioned male rats. Corhln A, et al. *Experientia* 29:1025-6, 15 Aug 73
 Pituitary salic acid concentration during the estrous cycle of rats. Vijayan E, et al. *Experientia* 29:1145-6, 15 Sep 73
 A simple method for the extraction and purification of human growth hormone and its assay by paper chromatography. Stroud SW, et al. *J Clin Endocrinol Metab* 37:860-6, Dec 73
 Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al. *J Endocrinol* 58:377-85, Sep 73
 The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73
 Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC. *J Histochem Cytochem* 21:855-94, Oct 73 (171 ref.)
 Ultrastructural immunocytochemistry with unlabeled antibodies and the peroxidase-antiperoxidase complex. A technique more sensitive than radioimmunoassay. Moriarty GC, et al. *J Histochem Cytochem* 21:825-33, Sep 73
 Recent developments in analytical electron microscopy. Chandler JA. *J Microsc (Oxf)* 98:359-78, Aug 73
 Study of the pituitary-testicular axis in hypothyroid adult male rats. Vilchez-Martinez JA. *J Reprod Fertil* 35:123-6, Oct 73
 Chemical studies of luteinizing hormone from human and ovine pituitaries. Ward DN, et al. *Recent Prog Horm Res* 29:533-61, 1973
 Monoamine-containing structures in the hypothalamo-hypophyseal system in the human fetus. Partanen S, et al. *Z Anat Entwicklungsgesch* 140:53-60, 30 May 73
 Cholinesterase in the posterior and intermediate lobes of the pituitary. Species differences as determined by

light and electron microscopic histochemistry. Whitaker S, et al. *Z Zellforsch Mikrosk Anat* 142:69-88, 27 Aug 73
 [Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al. *C R Acad Sci [D] (Paris)* 276:2179-82, 2 Apr 73 (Fre)
 [Biological fate of thyrotropin-releasing hormone (TRH)] Sakuma M, et al. *Folia Endocrinol Jap* 49:1186-97, 20 Sep 73 (Eng. Ahstr.) (Jap)
 [Effect of the epiphysis on the follicle-stimulating function of the hypophysis] Grachev II, et al. *Fiziol Zh SSSR* 59:647-51, Apr 73 (Eng. Ahstr.) (Rus)

ANATOMY & HISTOLOGY

Late effects of irradiation on the thyroid gland in mice. 3. Comparison between irradiation of fetuses and adults. Walinder G, et al. *Acta Radiol [Ther] (Stockh)* 12:201-8, Jun 73
 Canine reproduction: reproductive organs and related structures of the nonparous, parous, and postpartum bitch. Sokolowski JH, et al. *Am J Vet Res* 34:1001-13, Aug 73
 The subdiaphragmatic cistern of the hypophyseal infundibular stem. II. Relationship to the hypophyseal intermediate lobe. Boyd WH. *Anat Anz* 133:461-7, 1973
 Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
 Histological observations on the pituitary gland and the glomerular body of the larvae of the marine teleost, *Hexagrammos otakii*. Ichikawa T. *Z Zellforsch Mikrosk Anat* 141:493-503, 14 Aug 73
 Effect of castration at birth on the ultrastructure of gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinaermed [C]* 2:1-10, Mar 73
 [The walls of the cavernous sinus] Patouillard P, et al. *Neurochirurgie* 18:551-60, Dec 72 (Eng. Ahstr.) (Fre)

BLOOD SUPPLY

Neurovascular regulation of the anterior hypophysis. Porter JC, et al. *Recent Prog Horm Res* 29:161-98, 1973
 Vasopressin and neurophysin: high concentrations in monkey hypophyseal portal blood. Zimmerman EA, et al. *Science* 182:925-7, 20 Nov 73
 [Arteriographic study of the intracavernous branches of the internal carotid] Manelfe C, et al. *Neurochirurgie* 18:581-98, Dec 72 (Eng. Ahstr.) (Fre)

CYTOLOGY

Ultrastructural observations on the genesis and extrusion of secretory granules in the adenohypophysis. Amat P, et al. *Acta Anat (Basel)* 86:44-52, 1973
 Ultrastructural study of the human anterior pituitary. Preliminary results. Rufener C, et al. *Acta Otolaryngol (Stockh)* 76:300-4, Oct 73
 Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Eddy LJ, et al. *Biochem Biophys Res Commun* 54:140-6, 5 Sep 73
 Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73
 Hypertrophy of the ACTH-producing cell following adrenalectomy: a quantitative electron microscopic

- study. Siperstein ER, et al. *Endocrinology* 93:1257-68, Dec 73
- LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J. *FEBS Lett* 35:59-62, 1 Sep 73
- Preferential association of thyroxine with mitochondrial fraction from control and oestrogenized rat adenohypophyses. Příbyl T, et al. *Horm Res* 4:114-21, 1973
- Light and electron microscope localization of binding sites of antibodies against ovine luteinizing hormone and its two subunits in rat adenohypophysis using peroxidase-labeled antibody technique. Tougaard C, et al. *J Cell Biol* 58:503-21, Sep 73
- Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC. *J Histochem Cytochem* 21:855-94, Oct 73 (171 ref.)
- Ultrastructural immunocytochemistry with unlabeled antibodies and the peroxidase-antiperoxidase complex. A technique more sensitive than radioimmunoassay. Moriarty GC, et al. *J Histochem Cytochem* 21:825-33, Sep 73
- Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammatropic, ACTH-secreting pituitary tumor. De Nicola AF, et al. *J Steroid Biochem* 4:407-16, Jul 73
- A stain for somatotrophic cells in the rat pituitary gland. Van Nesselrooy JH, et al. *Z Versuchstierkd* 15:94-5, 1973
- The rostral pars distalis of the pituitary gland of the freshwater and marine alewife (*Alosa pseudoharengus*). A light and electron microscope study. Cook H, et al.
- Z Zellforsch Mikrosk Anat 141:145-59, 31 Jul 73
- Histological observations on the pituitary gland and the glomerular body of the larvae of the marine teleost, Hexagrammos otakii. Ichikawa T.
- Z Zellforsch Mikrosk Anat 141:493-503, 14 Aug 73
- Pituitary response to environmental osmotic changes in the larval guppy, *Lebistes reticulatus* (Peters). Ichikawa T, et al.
- Z Zellforsch Mikrosk Anat 141:161-79, 31 Jul 73
- Cholinesterase in the posterior and intermediate lobes of the pituitary. Species differences as determined by light and electron microscopic histochemistry. Whitaker S, et al.
- Z Zellforsch Mikrosk Anat 142:69-88, 27 Aug 73
- Effect of castration at birth on the ultrastructure of gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinärmed [C]* 2:1-10, Mar 73
- [Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al.
- C R Acad Sci [D] (Paris) 276:2179-82, 2 Apr 73 (Fre)
- [Effect of 2-Br-alpha-ergocryptine (CB 154) on the secretion of prolactin in *Anguilla*] Olivereau M, et al. *C R Acad Sci [D] (Paris)* 276:1883-6, 19 Mar 73 (Fre)
- ### DRUG EFFECTS
- On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. *Acta Endocrinol (Kbh)* 74:296-306, Oct 73
- The levodopa test of growth hormone reserve in children. Porter BA, et al. *Am J Dis Child* 126:589-92, Nov 73
- Suppression of acute and chronic inflammation in adrenalectomized rats by pharmacologic amounts of prostaglandins. Zurier RB, et al. *Arthritis Rheum* 18:606-18, Sep-Oct 73
- Solid phase synthesis of growth hormone-release inhibiting factor. Coy DH, et al. *Biochem Biophys Res Commun* 54:1267-73, 15 Oct 73
- Study on the existence of TRH in the cerebrospinal fluid in humans. Ishikawa H. *Biochem Biophys Res Commun* 54:1203-9, 1 Oct 73
- Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:737-42, Oct 73
- Experimental investigation on the effect of clomiphene on the gonadotropin secretion of the rat pituitary. Mayer HG. *Endocrinol Exp (Bratisl)* 7:177-82, Sep 73
- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73
- LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J. *FEBS Lett* 35:59-62, 1 Sep 73
- Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
- Preferential association of thyroxine with mitochondrial fraction from control and oestrogenized rat adenohypophyses. Příbyl T, et al. *Horm Res* 4:114-21, 1973
- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegals. Singh P, et al. *Horm Res* 4:293-301, 1973
- The estimation of pituitary luteinizing hormone secretion. Rebar R, et al. *J Clin Endocrinol Metab* 37:917-27, Dec 73
- Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. *J Clin Invest* 52:2783-92, Nov 73
- The effects of synthetic gonadotrophin releasing factor on the release of luteinizing hormone and follicle-stimulating hormone from ovine pituitary tissue in vitro. Crighton DB. *J Endocrinol* 58:387-91, Sep 73
- Prolactin release induced by synthetic thyrotrophin releasing factor in female rats. Dels RP, et al. *J Endocrinol* 58:673-4, Sep 73
- The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. Hartley BM, et al. *J Endocrinol* 58:363-75, Sep 73
- The effects of age and oestrone treatment on DNA polymerase activity in anterior pituitary glands of male rats. Mastro A, et al. *J Endocrinol* 59:107-19, Oct 73
- An improved solid-phase synthesis of the luteinizing-hormone releasing-hormone-follicle-stimulating hormone releasing-hormone (LH-RH-FSH-RH). Arnold WH, et al. *J Med Chem* 16:1054-5, Sep 73
- Further studies on the structure-activity relationships in the C-terminal part of luteinizing hormone-releasing hormone. Fujino M, et al. *J Med Chem* 16:1144-7, Oct 73
- Differential distribution of angiotensin converting enzyme in the anterior and posterior lobe of the rat pituitary. Yang HY, et al. *J Neurochem* 21:1035-6, Oct 73
- Effect of progesterone on the pituitary responsiveness to luteinizing hormone releasing hormone (LHRH) in intact anoestrous ewes. Plant HC, et al. *J Physiol (Lond)* 232:45P-47P, Jul 73
- Chemico-biological relationships of follicle stimulating hormone-releasing hormone and luteinizing hormone-releasing hormone. Kennedy JF, et al. *Life Sci* 12:533-44, 15 Jun 73
- Effects of angiotensin on the central nervous system. Severs WB, et al. *Pharmacol Rev* 25:415-49, Sep 73 (182 ref.)
- Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dibutyl cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al. *Proc Soc Exp Biol Med* 143:941-7, Sep 73
- Effect of estradiol on the response to LH-RH in male rats at different times after castration. Debeljuk L, et al. *Proc Soc Exp Biol Med* 143:1164-7, Sep 73
- Neurovascular regulation of the anterior hypophysis. Porter JC, et al. *Recent Prog Horm Res* 29:161-98, 1973
- Lithium ion and water balance in rats. Ellman GL, et al. *Toxicol Appl Pharmacol* 25:617-20, Aug 73
- Tannic acid-induced alterations in mouse growth and pituitary melanocyte-stimulating hormone activity. Peaslee MH, et al. *Toxicol Appl Pharmacol* 25:507-14, Aug 73
- [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al. *Ann Endocrinol (Paris)* 34:93-106, Mar-Apr 73 (Eng. Abstr.)
- [Effect of 2-Br-alpha-ergocryptine (CB 154) on the secretion of prolactin in *Anguilla*] Olivereau M, et al. *C R Acad Sci [D] (Paris)* 276:1883-6, 19 Mar 73 (Fre)
- [Hyperplasia of prolactin cells after estrogen therapy in carcinoma of the prostate (author's transl)] Hachmeister U. *Verh Dtsch Ges Kreislauhforsch* 58:535-9, 1972 (Eng. Abstr.)
- [Mestoranum. What justification has this androgenic steroid?] Frey H. *Tidsskr Nor Lægeforen* 93:1163-4, 30 May 73 (Nor)
- [Effect of melatonin on the hypothalamo-hypophyseal-adrenal system of rats] Maslova LN, et al.

Probl Endokrinol (Mosk) 19:55-9, Sep-Oct 73 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Monoamine-containing structures in the hypothalamo-hypophyseal system in the human fetus. Partanen S, et al.
Z Anat Entwicklungsgesch 140:53-60, 30 May 73

ENZYMOLGY

Peripheral control of hormone metabolism. Herrmann WL, et al. Am J Obstet Gynecol 117:679-88, 1 Nov 73
The levels of superoxide dismutase and catalase in human tissues as determined immunochemically. Hartz JW, et al. Clin Chim Acta 46:125-32, 28 Jun 73
Bovine pituitary pyroglutamate carboxyl peptidase. Mudge AW, et al. Endocrinology 93:1428-34, Dec 73
The effects of age and oestrone treatment on DNA polymerase activity in anterior pituitary glands of male rats. Mastro A, et al.
J Endocrinol 59:107-19, Oct 73
Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)
Ultrastructural immunocytochemistry with unlabeled antibodies and the peroxidase-antiperoxidase complex. A technique more sensitive than radioimmunoassay. Moriarty GC, et al.
J Histochem Cytochem 21:825-33, Sep 73
Differential distribution of angiotensin converting enzyme in the anterior and posterior lobe of the rat pituitary. Yang HY, et al.
J Neurochem 21:1035-6, Oct 73
D-aspartate oxidase in mammalian brain and choroid plexus. Yusko SC, et al. J Neurochem 21:1037-9, Oct 73

GROWTH & DEVELOPMENT

A sex-linked gene controlling gonadotrop differentiation and its significance in determining the age of sexual maturation and size of the platyfish, Xiphophorus maculatus. Kallman KD, et al.
Gen Comp Endocrinol 21:287-304, Oct 73
Maturity of the pituitary-adrenal axis in the newborn dog. Muelheims GH, et al.
Proc Soc Exp Biol Med 143:1197-200, Sep 73

IMMUNOLOGY

Light and electron microscope localization of binding sites of antibodies against ovine luteinizing hormone and its two subunits in rat adenohypophysis using peroxidase-labeled antibody technique. Tougaard C, et al. J Cell Biol 58:503-21, Sep 73
Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)

INNERVATION

Neurovascular regulation of the anterior hypophysis. Porter JC, et al. Recent Prog Horm Res 29:161-98, 1973

METABOLISM

Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Eddy LJ, et al.
Biochem Biophys Res Commun 54:140-6, 5 Sep 73
Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in female rats. Gombe S, et al.
Biol Reprod 9:415-9, Nov 73
Serum and pituitary prolactin changes in the band-tailed pigeon (Columba fasciata) in relation to the reproductive cycle. March GL, et al.
Can J Physiol Pharmacol 51:583-9, Aug 73
Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. Endocrinology 93:1398-408, Dec 73
LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J.
FEBS Lett 35:59-62, 1 Sep 73
Prolactin production by monkey (Macaca mulatta) anterior pituitaries cultured in vitro. Gala RR.
Horm Res 4:157-68, 1973
Preferential association of thyroxine with mitochondrial fraction from control and

oestrogenized rat adenohypophyses. Příbyl T, et al.
Horm Res 4:114-21, 1973
Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegalics. Singh P, et al. Horm Res 4:293-301, 1973
Changes in serum gonadotrophin levels, and in protein levels and in-vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. Haar MB ter, et al. J Endocrinol 58:563-76, Sep 73
The effects of age and oestrone treatment on DNA polymerase activity in anterior pituitary glands of male rats. Mastro A, et al.
J Endocrinol 59:107-19, Oct 73
Thyroid function in the foetal lamb during the last third of gestation. Nathanielsz PW, et al.
J Endocrinol 58:535-46, Sep 73
An improved solid-phase synthesis of the luteinizing-hormone releasing-hormone-follicle-stimulating hormone releasing-hormone (LH-RH-FSH-RH). Arnold WH, et al. J Med Chem 16:1054-5, Sep 73
Synthesis of the thyrotropin-releasing hormone enantiomer and some diastereoisomers and in vitro studies of their biological activity. Flouret G, et al. J Med Chem 16:1137-40, Oct 73
Further studies on the structure-activity relationships in the C-terminal part of luteinizing hormone-releasing hormone. Fujino M, et al.
J Med Chem 16:1144-7, Oct 73
Role of inositol cyclic phosphate in stimulated tissues. Freinkel N, et al. Nature 243:535-7, 29 Jun 73
Growth hormone and premature ageing. Shire JG. Nature 245:215-6, 28 Sep 73
Neurovascular regulation of the anterior hypophysis. Porter JC, et al. Recent Prog Horm Res 29:161-98, 1973
In vitro accumulation and saturation of 3H-progestins in selected brain regions and in the adenohypophysis, uterus and pineal of the female rat. Luttge WG, et al. Steroids 22:493-502, Oct 73
Lithium ion and water balance in rats. Ellman GL, et al. Toxicol Appl Pharmacol 25:617-20, Aug 73

PATHOLOGY

Electron microscopic studies of human pituitary tumors. II. Acidophilic adenomas. Schechter J. Am J Anat 138:387-99, Nov 73
Electron microscopic studies of human pituitary tumors. I. Chromophobic adenomas. Schechter J. Am J Anat 138:371-85, Nov 73
Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Eddy LJ, et al.
Biochem Biophys Res Commun 54:140-6, 5 Sep 73
Dynamics of development of late pathomorphologic changes in the endocrine glands (hypophysis, thyroid, adrenals) after X-irradiation of newborn mice with sublethal doses. Chomiczewski K.
Folia Biol (Krakow) 21:153-67, 1973
Histological and ultrastructural studies in isolated growth hormone deficiency. Rimoin DL, et al. J Clin Endocrinol Metab 37:725-35, Nov 73
Studies on the physical dependence liability of analgesics. 1. Electron microscopic studies on the ultra-structural transformation of mitochondria in the cells of zona fasciculata of the adrenal cortex in morphine addicted rats. Yano I, et al.
Jap J Pharmacol 23:201-15, Apr 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 48-1973. N Engl J Med 289:1186-93, 29 Nov 73
Metastatic cancer of the pituitary gland. Kovacs K. Oncology 27:533-42, 1973
Further studies on the ultrastructure of the pars distalis of castrated male mice pituitary. Gomez-Dumm CL, et al.
Virchows Arch [Zellpathol] 13:145-52, 25 Jun 73
[Hyperplasia of prolactin cells after estrogen therapy in carcinoma of the prostate (author's transl)] Hachmeister U.
Verh Dtsch Ges Kreislau fforsch 56:535-9, 1972 (Eng. Abstr.) (Ger)
[Death after delivery under the general clinical symptoms of consumption coagulopathy (eclampsia sine eclampsia) (author's transl)] Ryvarden G. Z Rechtsmed 72:174-9, 24 May 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Luteolytic effects of oestradiol after hypophysectomy

- or pituitary stalk section in cycling sheep. Denamur R, et al. *Acta Endocrinol (Kbh)* 73:635-42, Aug 73
- Changes in plasma levels of prolactin and LH induced by luteolytic or luteotrophic treatment in intact cycling sheep after section of the pituitary stalk. Kann G, et al. *Acta Endocrinol (Kbh)* 73:325-34, Aug 73
- Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al. *Acta Endocrinol (Kbh)* 73:651-9, Aug 73
- Effect of imidazole on the adrenal response to ACTH and to stress. Marton J, et al. *Acta Physiol Acad Sci Hung* 42:225-30, 1972
- Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica. Alvarez-Buylla R, et al. *Acta Physiol Lat Am* 23:75-82, 1973
- T3 thyrotoxicosis. Gharib H, et al. *Am Fam Physician* 8:144-8, Nov 73
- The development of the tibia in hypophysectomized chick embryos. Hall BK, et al. *Anat Rec* 177:343-57, Nov 73
- The rôle of sympathetic innervation in pineal-pituitary feed back. Blocking of pineal changes induced in the rat by experimental hypergonadotropinaemia by chronic treatment with bretylium or guanethidine. Trentini GP, et al. *Ann Endocrinol (Paris)* 34:261-70, May-Jun 73
- Activation of solubilized liver membrane adenylate cyclase by nucleotides. Swislocki NI, et al. *Biochem Biophys Res Commun* 53:1109-14, 21 Aug 73
- A biliary metabolite of ascorbic acid in normal and hypophysectomized rats. Hornig D, et al. *Biochim Biophys Acta* 320:549-56, 5 Oct 73
- Modification of the tryptophanyl residue and its effects on the immunological and biological activity of human chorionic somatomammotropin. Nerl P, et al. *Biochim Biophys Acta* 322:88-94, 21 Sep 73
- Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
- Effects of hypophysectomy and environmental salts on intestinal alkaline phosphatase of the eel in relation to sea water adaptation. Olde M. *Comp Biochem Physiol [A]* 46:647-51, 1 Dec 73
- Role of alkaline phosphatase in intestinal water absorption by eels adapted to sea water. Olde M. *Comp Biochem Physiol [A]* 46:639-45, 1 Dec 73
- Effects of artificial mothers and visual experience on adrenal responsiveness of infant monkeys. Hill SD, et al. *Dev Psychobiol* 6:421-9, Sep 73
- Epinephrine deficiency potentiates cortisol elevation of glucose turnover in the dog. Rathgeb I, et al. *Endocrinology* 93:1336-41, Dec 73
- Influence of plasma on ACTH stimulated corticosterone production of isolated adrenal cells. Fehm HL, et al. *FEBS Lett* 36:109-12, 1 Oct 73
- On the possibility that the prereplicative increases in ornithine decarboxylase activity are related to DNA synthesis in liver. Gaza DJ, et al. *FEBS Lett* 32:251-3, 1 Jun 73
- Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
- In vivo effects of growth hormone on in vitro adipose tissue metabolism. Goldman JK. *Horm Res* 4:207-12, 1973
- Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. Murthy AS, et al. *Horm Res* 4:219-23, 1973
- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegals. Singh P, et al. *Horm Res* 4:293-301, 1973
- Adrenal mitochondrial cytochrome P-450 and cholesterol side chain cleavage activity. Differences in the response of the zona glomerulosa and zona fasciculata-reticularis to adrenocorticotrophic hormone and its withdrawal. Alfano J, et al. *J Biol Chem* 248:7860-4, 25 Nov 73
- The isolation of a new hypotensive peptide, neurotensin, from bovine hypothalamus. Caraway R, et al. *J Biol Chem* 248:6854-61, 10 Oct 73
- Comparison of the effects of adrenocorticotrophic hormone on the steroidogenic activity and ultrastructure of adrenal cortex. Kuo TH, et al. *J Biol Chem* 248:6679-83, 10 Oct 73
- Capacity for steroidogenesis of adrenals in hypophysectomized and adrenocorticotrophic hormone-treated hypophysectomized rats. Implication of a ribonucleic acid for hormone-induced steroidogenesis. Mostafapour MK, et al. *J Biol Chem* 248:6674-8, 10 Oct 73
- The development of cyclic pituitary-gonadal function in adolescent females. Winter JS, et al. *J Clin Endocrinol Metab* 37:714-8, Nov 73
- The maintenance of pregnancy, and parturition, in guinea-pigs hypophysectomized within 4 days of mating. Illingworth DV, et al. *J Endocrinol* 59:163-9, Oct 73
- Effect of hypophysectomy on the growth hormone response to insulin-induced hypoglycaemia. Roberts MM, et al. *J Endocrinol* 58:637-41, Sep 73
- Functional development of the hypothalamo-hypophyseal-adrenal cortex axis in the chick embryo, *Gallus domesticus*. Wise PM, et al. *J Exp Zool* 185:277-92, Sep 73
- Growth responses in thyroidectomized, hypophysectomized and alloxan diabetic rats infected with perocercoids of the tapeworm, *Spirometra mansonioides*. Ruegamer WR, et al. *J Nutr* 103:1496-501, Oct 73
- The pituitary and the development of surfactant in rabbit foetal lung. Ahmed A, et al. *J Pathol* 110:p8, Jul 73
- Effect of age, cryptorchidism and hypophysectomy on cyclic AMP concentration in rat testis. Hollinger MA. *J Reprod Fertil* 35:169-72, Oct 73
- The influence of the testis on the survival of spermatozoa in the epididymis of the golden hamster, *Mesocricetus auratus*. Lubicz-Nawrocki CM, et al. *J Reprod Fertil* 34:315-29, Aug 73
- Compensatory ovulation in blinded rats and/or those from which the olfactory bulb had been removed. Peppler RD, et al. *J Reprod Fertil* 34:501-6, Sep 73
- Lack of pituitary, adrenal, thyroid, gonadal, and pineal control of cyclic variation in antibacterial function of neutrophils. Alexander JW, et al. *J Reticuloendothel Soc* 14:266-79, Sep 73
- Plasma thyrotropin and its response to thyrotropin releasing hormone in normal pregnancy. Kannan V, et al. *Obstet Gynecol* 42:547-9, Oct 73
- Pituitary-gonadal relations in female children and adolescents. Winter JS, et al. *Pediatr Res* 7:948-53, Dec 73
- Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Daniels-Severs A, et al. *Pharmacology* 9:348-56, 1973
- Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Leshner AI, et al. *Physiol Behav* 11:705-11, Nov 73
- Effect of hypophysectomy during late pregnancy upon mammary gland growth in the rat. George FW, et al. *Proc Soc Exp Biol Med* 144:647-50, Nov 73
- The mechanism of initiation of parturition in the ewe. Liggins GC, et al. *Recent Prog Horm Res* 29:111-59, 1973
- Neurovascular regulation of the anterior hypophysis. Porter JC, et al. *Recent Prog Horm Res* 29:161-98, 1973
- Luteinizing hormone-releasing factor potentiates lordosis behavior in hypophysectomized ovariectomized female rats. Pfaff DW. *Science* 182:1148-9, 14 Dec 73
- The effects of hypophysectomy and human chorionic gonadotropin administration on the in vitro metabolism of progesterone by the rat testis. Appell RA. *Steroids* 22:351-64, Sep 73
- Effect of hypophysectomy and gonadotropin treatment on metabolism of 3H-progesterone by rat testicular tissue. Steinberger E, et al. *Steroids* 22:425-43, Sep 73
- Nervous and humoral factors in vesicorenal reflexes. Schlick E, et al. *Urology* 2:463-7, 4 Oct 73
- [Development of free fatty acid and reducing sugar contents in plasma of hypophysectomized rabbits during treatment with porcine and bovine somatotropin] Vézlnhet A, et al. *Ann Biol Anim Biochim Biophys* 12:431-40, 1972 (Eng. Abstr.) (Fre)
- [Pituitary-gonad parabiosis, in teleosts organ culture (author's transl)] Remacle C. *Ann Endocrinol (Paris)* 34:303-7, May-Jun 73 (Eng. Abstr.) (Fre)
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altwelt JE, et al. *Urol Int* 28:370-6, 1973 (Eng. Abstr.) (Ger)
- [Results of the LH-RH-hypophyseal function test in women with secondary amenorrhea (author's transl)] Schneider WH, et al. *Wien Klin Wochenschr* 85:588-90, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Neurohumoral regulation of erythropoiesis]

Krzyszowski T.

- Acta Physiol Pol [Suppl] 24:691-9, 1973 (Pol)
[Stimulation of the hypophyso-thyroid system during the perinatal period] Sleshodziński AB.
Acta Physiol Pol [Suppl] 24:713-22, 1973 (Pol)
[Role of various portions of the amygdaloid complex in the action of various cholinolytics and estrogens on the gonadotropic function of the hypophysis] Bekhereva EP.
Probl Endokrinol (Mosk) 19:43-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al.
Can J Physiol Pharmacol 51:759-62, Oct 73
Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone before and after surgical treatment. Rohde W, et al. Horm Res 4:129-40, 1973
Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. Invest Urol 11:194-7, Nov 73
Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. J Clin Endocrinol Metab 37:955-67, Dec 73
Functional evaluation of pituitary reserve in patients with the amenorrhea-galactorrhea syndrome utilizing luteinizing hormone-releasing hormone (LH-RH), L-dopa and chlorpromazine. Zárate A, et al.
J Clin Endocrinol Metab 37:855-9, Dec 73
Study of the pituitary-testicular axis in hypothyroid adult male rats. Vilchez-Martinez JA.
J Reprod Fertil 35:123-6, Oct 73
Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. J Urol 110:410-2, Oct 73
Endometrial cancer. Facts and theories. Nordqvist SR. Pathol Annu 8:283-300, 1973 (93 ref.)
[Clinicopathological discussion. No. 6. Progressive weight loss, weakness, decrease of sexual function and increased hypersensitivity to pancreatic juice] Chin Med J 8:509-12, 1973 (Chi)
[Diabetic retinopathy and pituitary function] Canivet J, et al.
Ann Endocrinol (Paris) 34:174-80, Mar-Apr 73 (Fre)
[Hypophyseal-gonadal regulation in patients with chronic kidney failure during long-term dialysis] Hrubesch M, et al. Med Welt 24:683-4, 27 Apr 73 (Ger)
[Hypothalamic control of thyroid function] Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)
[Evaluation of plasma NEFA after arginine infusion. A simple test of the biological activity of STH?] Herrera Pombo JL, et al.
Rev Clin Esp 130:111-6, 31 Jul 73 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

- Late effects of irradiation on the thyroid gland in mice. 3. Comparison between irradiation of fetuses and adults. Wallinder G, et al.
Acta Radiol [Ther] (Stockh) 12:201-8, Jun 73
Dynamics of development of late pathomorphologic changes in the endocrine glands (hypophysis, thyroid, adrenals) after X-irradiation of newborn mice with sublethal doses. Chomiczewski K.
Folia Biol (Krakow) 21:153-67, 1973
Postnatal growth in prenatally irradiated rats. II. Exposure rate effects on the adrenal, pituitary, lung, heart and testes. Martin PG. Growth 37:165-75, Jun 73
Laser microsurgery in experimental otolaryngology. Hobeika CP, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:325-33, Mar-Apr 73
[Irradiation of intracranial structures in small animals by a narrow beam of high-energy protons] Minakova EI, et al.
Med Radiol (Mosk) 18:29-36, Feb 73 (Eng. Abstr.) (Rus)

SECRETION

- Ultrastructural observations on the genesis and extrusion of secretory granules in the adenohypophysis. Amat P, et al.
Acta Anat (Basel) 86:44-52, 1973
Plasma prolactin changes following cortical spreading

depression in female rats. Colomho JA, et al.
Am J Physiol 225:766-9, Oct 73

- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. Arch Pathol 96:217-26, Oct 73
Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Eddy LJ, et al.
Biochem Biophys Res Commun 54:140-6, 5 Sep 73
Total synthesis of hypothalamic "somatostatin". Sarantakis D, et al.
Biochem Biophys Res Commun 54:234-8, 5 Sep 73
Experimental investigation on the effect of clomiphene on the gonadotrophin secretion of the rat pituitary. Mayer HG. Endocrinol Exp (Bratisl) 7:177-82, Sep 73
LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J.
FEBS Lett 35:59-62, 1 Sep 73
Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegalics. Singh P, et al. Horm Res 4:293-301, 1973
Effect of nonsuckling period on pituitary prolactin secretory activity in rats. Yanal R, et al.
Horm Res 4:169-76, 1973
The estimation of pituitary luteinizing hormone secretion. Rebar R, et al.
J Clin Endocrinol Metab 37:917-27, Dec 73
Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. J Clin Invest 52:2783-92, Nov 73
The effects of synthetic gonadotrophin releasing factor on the release of luteinizing hormone and follicle-stimulating hormone from ovine pituitary tissue in vitro. Crichton DB.
J Endocrinol 58:387-91, Sep 73
The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. Hartley BM, et al.
J Endocrinol 58:363-75, Sep 73
Prostaglandin F₂ alpha and the release of LH in sheep. Carlson JC, et al. J Reprod Fertil 34:357-61, Aug 73
Letter: Suppression of the cyclic surge of luteinizing hormone secretion and of ovulation in the rat by delta 1-tetrahydrocannabinol. Nir I, et al.
Nature 243:470-1, 22 Jun 73
Pituitary FSH and LH reserve in women with isolated gonadotrophin deficiency. Zárate A, et al.
Obstet Gynecol 42:507-10, Oct 73
Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dihydropyridine cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al.
Proc Soc Exp Biol Med 143:941-7, Sep 73
Effect of estradiol on the response to LH-RH in male rats at different times after castration. Dehcljuk L, et al.
Proc Soc Exp Biol Med 143:1164-7, Sep 73
In vitro demonstration of a direct feedback of luteinizing hormone on the hypothalamus, using bovine tissue. Symington RB, et al.
S Afr Med J 47:1731-4, 29 Sep 73
Tannic acid-induced alterations in mouse growth and pituitary melanocyte-stimulating hormone activity. Peaslee MH, et al.
Toxicol Appl Pharmacol 25:507-14, Aug 73
[Pituitary TSH releasing capacity in the aged] Sakoda M, et al.
Folia Endocrinol Jap 49:1177-85, 20 Sep 73 (Eng. Abstr.) (Jap)
[Effect of the epiphysis on the follicle-stimulating function of the hypophysis] Grachev II, et al.
Fiziol Zh SSSR 59:647-51, Apr 73 (Eng. Abstr.) (Rus)

SURGERY

- Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone before and after surgical treatment. Rohde W, et al. Horm Res 4:129-40, 1973

TRANSPLANTATION

- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. Arch Pathol 96:217-26, Oct 73
Functional development of the hypothalamo-hypophyseal-adrenal cortex axis in the chick embryo, Gallus domesticus. Wise PM, et al.
J Exp Zool 185:277-92, Sep 73

PITUITARY GLAND FUNCTION

TESTS

- Functional evaluation of pituitary reserve in patients with the amenorrhea-galactorrhea syndrome utilizing luteinizing hormone-releasing hormone (LH-RH), L-dopa and chlorpromazine. Zárate A, et al. *J Clin Endocrinol Metab* 37:855-9, Dec 73
- [ACTH-interpretation of test results] Imura H, et al. *Jap J Clin Med* 31:1584-90, 1973 (Jap)
- [Hypothalamic control of thyroid function] Medeiros-Neto GA. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)
- [Evaluation of plasma NEFA after arginine infusion. A simple test of the biological activity of STH?] Herrera Pombo JL, et al. *Rev Clin Esp* 130:111-6, 31 Jul 73 (Eng. Abstr.) (Spa)
- [Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al. *Rev Iber Endocrinol* 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)

PITUITARY GLAND IRRADIATION

- Pituitary ablation for leucoerythroblastosis in carcinoma of breast. Akinsete FI, et al. *Lancet* 2:1050-3, 10 Nov 73

PITUITARY GLAND, POSTERIOR

- Proliferating histiocytic lesion. (Histiocytosis-X?). Association of an extensive mediastinal and retroperitoneal sclerosing lesion with Gagel's granuloma of the posterior lobe of the pituitary. Hou-Jensen K, et al. *Cancer* 32:809-21, Oct 73

ANALYSIS

- Purification and partial chemical characterization of sheep neurophysin. Chrétien M, et al. *Acta Endocrinol (Kbh)* 74:226-36, Oct 73
- Hexosamine and heparin in homogenate and subcellular fractions from bovine neurohypophyses. Hvas S, et al. *Acta Endocrinol (Kbh)* 74:209-14, Oct 73
- The distribution of vasopressin and oxytocin in the hypothalamoneurohypophyseal system of the guinea-pig. Blisset GW, et al. *Br J Pharmacol* 48:263-72, Jun 73
- Electron microscopic radioautography of 125I-trilodothyronine in rat posterior pituitary and median eminence. Bar-Sella P, et al. *Endocrinology* 93:1410-22, Dec 73
- The isolation and biochemical characterization of three neurophysins of the sheep. Watkins WB. *J Endocrinol* 59:17-29, Oct 73
- The designation of the major guinea-pig neural lobe protein as a neurophysin. Watkins WB, et al. *J Endocrinol* 59:31-41, Oct 73
- Cholinesterase in the posterior and intermediate lobes of the pituitary. Species differences as determined by light and electron microscopic histochemistry. Whitaker S, et al. *Z Zellforsch Mikrosk Anat* 142:69-88, 27 Aug 73

ANATOMY & HISTOLOGY

- The subdiaphragmatic cistern of the hypophyseal infundibular stem. I. Relationship to the subdural space and the cavernous sinuses. Boyd WH. *Anat Anz* 133:454-60, 1973
- Histological observations on the pituitary gland and the glomerular body of the larvae of the marine teleost, Hexagrammos otakii. Ichikawa T. *Z Zellforsch Mikrosk Anat* 141:493-503, 14 Aug 73

CYTOLOGY

- Electron microscopic radioautography of 125I-trilodothyronine in rat posterior pituitary and median eminence. Bar-Sella P, et al. *Endocrinology* 93:1410-22, Dec 73
- Preliminary observation on pituitary cells in tissue culture. Correr S, et al. *Experientia* 29:1117-9, 15 Sep 73
- Ultrastructural features of pituitary cells in the neural lobe of adult rats. Olivieri-Sangiacomo C. *Experientia* 29:1119-20, 15 Sep 73
- The neurohypophysis of the crested newt. 3. Fine structure of the median eminence. Fasolo A, et al. *Z Zellforsch Mikrosk Anat* 141:203-21, 31 Jul 73
- Pituitary response to environmental osmotic changes in the larval guppy, *Lebistes reticulatus* (Peters). Ichikawa T, et al. *Z Zellforsch Mikrosk Anat* 141:161-79, 31 Jul 73
- Cholinesterase in the posterior and intermediate lobes of the pituitary. Species differences as determined by light and electron microscopic histochemistry. Whitaker S, et al. *Z Zellforsch Mikrosk Anat* 142:69-88, 27 Aug 73

DRUG EFFECTS

- Acute effects of lithium on the action and release of antidiuretic hormone in rats. Torp-Pedersen C, et al. *Acta Endocrinol (Kbh)* 73:665-71, Aug 73

ENZYMOLGY

- Subcellular distribution and some properties of the enzyme activity involved in the breakdown of tritiated lysine vasopressin by bovine neurohypophyses. Edwards BA, et al. *J Endocrinol* 59:193-4, Oct 73
- Differential distribution of angiotensin converting enzyme in the anterior and posterior lobe of the rat pituitary. Yang HY, et al. *J Neurochem* 21:1035-6, Oct 73

PATHOLOGY

- Proliferating histiocytic lesion. (Histiocytosis-X?). Association of an extensive mediastinal and retroperitoneal sclerosing lesion with Gagel's granuloma of the posterior lobe of the pituitary. Hou-Jensen K, et al. *Cancer* 32:809-21, Oct 73
- Metastatic cancer of the pituitary gland. Kovacs K. *Oncology* 27:533-42, 1973

PHYSIOLOGY

- [Determination of micro quantities of corticosterone in rat blood by the method of saturation analysis] Volchek AG. *Biol Nauki* 10:124-9, 1973 (Rus)

SECRETION

- Syndrome of inappropriate secretion of antidiuretic hormone with exacerbated psychosis. Dubovsky SL, et al. *Ann Intern Med* 79:551-4, Oct 73
- Cholinesterase in the posterior and intermediate lobes of the pituitary. Species differences as determined by light and electron microscopic histochemistry. Whitaker S, et al. *Z Zellforsch Mikrosk Anat* 142:69-88, 27 Aug 73
- [Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Drelfuss JJ. *J Physiol (Paris)* 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)

Pituitary, Posterior
continued

Vasopressin and neurophysin:
high concentrations in monkey
hypophyseal portal blood.
Zimmerman EA, et al.
Science 182:925-7, 30 Nov 73

PITUITARY

11. Disorders of the Pituitary Gland

ACROMEGALY

- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murie N, et al.
Ann Endocrinol (Paris) 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)
 [Evolution of plasma somatotropin levels in acromegaly treated with medroxyprogesterone acetate] Strauch G, et al.
Ann Endocrinol (Paris) 34:228-31, Mar-Apr 73 (Fre)

BLOOD

- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegals. Singh P, et al. *Horm Res* 4:293-301, 1973
 Immunoreactive properties of the plasma hGH from patients with the syndrome of familial dwarfism and high plasma IR-hGH. Eshet R, et al.
J Clin Endocrinol Metab 37:819-21, Nov 73
 Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al.
J Clin Endocrinol Metab 37:595-601, Oct 73
 Plasma renin activity in acromegaly. O'Moore BC.
J Ir Med Assoc 66:481-3, 15 Sep 73
 hGH radioimmunoassay. Glucagon and L-dopa stimulation tests. Troncone L, et al.
J Nucl Biol Med 17:84-91, Apr-Jun 73
 Letter: Growth hormone in acromegaly.
Lancet 2:913, 20 Oct 73
 "Big" growth hormone components from human plasma: decreased reactivity demonstrated by radioreceptor assay. Gorden P, et al.
Science 182:829-31, 23 Nov 73
 [Evolution of plasma somatotropin levels in acromegaly treated with medroxyprogesterone acetate] Strauch G, et al.
Ann Endocrinol (Paris) 34:228-31, Mar-Apr 73 (Fre)
 [Effect of medroxyprogesterone on plasma somatotropin (GH) levels in 14 patients with acromegaly] Tourniaire J, et al.
Ann Endocrinol (Paris) 34:222-4, Mar-Apr 73 (Fre)
 [Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al.
Folia Endocrinol Jap 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)
 [Rapid radioimmunological method of determination of insulin in the blood] Egan C, et al.
Stud Cercet Endocrinol 24:435-45, 1973 (Rum)

COMPLICATIONS

- A case of acromegaly with hemiplegia. Senanayake N, et al. *Ceylon Med J* 17:164-7, Sep 72
 Some aspects of polyostotic fibrous dysplasia: possible hypothesis to account for the associated endocrinological changes. Warrick CK.
Clin Radiol 24:125-38, Apr 73
 Giant prostatic cancer with acromegaly. Krawitt LN.
J Urol 110:441-2, Oct 73
 [Cerebral gigantism. Clinical and biological study of 5 cases] Pascual-Castroviejo I, et al.
Minerva Pediatr 25:1245-54, 1 Sep 73 (Eng. Abstr.) (Ita)
 [Hypophysectomy in acromegaly, with special reference to cases associated with severe diabetes] Kikuchi H. *Jap J Clin Med* 31:2271-5, Jul 73 (Jap)
 [Endocrine equilibrium in acromegaly] Sakamoto N, et al. *Jap J Clin Med* 31:2266-71, Jul 73 (Jap)

DIAGNOSIS

- [Acromegaly-gigantism. Clinical and biological study] Somma M, et al.
Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)
 [Diagnosis: cerebral gigantism]
Paediatr Paedol 8:420-2, 1973 (Ger)

DRUG THERAPY

- [Experience with the treatment of acromegaly using medroxyprogesterone acetate] Linquette M, et al.
Ann Endocrinol (Paris) 34:220-1, Mar-Apr 73 (Fre)
 [Endocrine equilibrium in acromegaly] Sakamoto N, et al. *Jap J Clin Med* 31:2266-71, Jul 73 (Jap)

ETIOLOGY

- Electron microscopic studies of human pituitary tumors. I. Chromophobic adenomas. Schechter J.
Am J Anat 138:371-85, Nov 73
 Electron microscopic studies of human pituitary tumors. II. Acidophilic adenomas. Schechter J.
Am J Anat 138:387-99, Nov 73
 [Patient after surgery in the region of the pituitary gland] Dolecek R, et al.
Vnitř Lek 19:1049-59, Nov 73 (Eng. Abstr.) (Cze)
 [Surgical treatment of pituitary adenoma] Hardy J.
Neurochirurgie 19:Suppl 2:75-99, May 73 (Eng. Abstr.) (Fre)
 [Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F.
Neurochirurgie 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)
 [Acromegaly-gigantism. Surgical treatment by transphenoidal exeresis of the pituitary adenoma. Postoperative clinical and biological evaluation and therapeutic results] Somma M, et al.
Neurochirurgie 19:Suppl 2:101-16, May 73 (Eng. Abstr.) (Fre)
 [Acromegaly-gigantism. Clinical and biological study] Somma M, et al.
Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)
 [The sella turcica in acromegaly. Radiological study] Vezina JL, et al.
Neurochirurgie 19:Suppl 2:35-56, May 73 (Eng. Abstr.) (Fre)

HISTORY

- [Acromegaly-gigantism before Pierre Marie] (Marie P), Dumas P.
Neurochirurgie 19:Suppl 2:13-22, May 73 (Fre)

METABOLISM

- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegals. Singh P, et al. *Horm Res* 4:293-301, 1973
 Letter: Growth hormone in acromegaly.
Lancet 2:913, 20 Oct 73
 [Endocrine equilibrium in acromegaly] Sakamoto N, et al. *Jap J Clin Med* 31:2266-71, Jul 73 (Jap)

PHYSIOPATHOLOGY

- Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
 Lung growth in acromegaly. Toppell KL, et al.
Am Rev Respir Dis 108:1254-8, Nov 73
 Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone before and after surgical treatment. Rohde W, et al. *Horm Res* 4:129-40, 1973

RADIOGRAPHY

- [Pachydermoperiostosis (author's transl)] Fournier AM, et al.
J Radiol Electrol Med Nucl 54:417-23, May 73 (Fre)

SURGERY

- Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth

ACROMEGALY

- hormone before and after surgical treatment. Rohde W, et al. *Horm Res* 4:129-40, 1973
- Ultrasonic hypophysectomy in acromegaly. Report of 41 cases. Arslan M. *ORL* 35:134-40, 1973
- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. *South Med J* 66:747-53, Jul 73
- [Patient after surgery in the region of the pituitary gland] Doleček R, et al. *Vnitr Lek* 19:1049-59, Nov 73 (Eng. Abstr.) (Cze)

THERAPY

- [Hypophysectomy in acromegaly, with special reference to cases associated with severe diabetes] Kikuchi H. *Jap J Clin Med* 31:2271-5, Jul 73 (Jap)

ADENOMA, CHROMOPHOBE

- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murle N, et al. *Ann Endocrinol (Paris)* 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)

BLOOD

- [TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al. *Ann Endocrinol (Paris)* 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
- [Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al. *Folia Endocrinol Jap* 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)
- [The dynamics of serum growth hormone concentration in patients with hypophyseal tumors following surgery] Salazkin MA, et al. *Vopr Neurokhir* 37:13-6, May-Jun 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

- Electron microscopic studies of human pituitary tumors. I. Chromophobic adenomas. Schechter J. *Am J Anat* 138:371-85, Nov 73
- Binasal hemianopia. O'Connell JE, et al. *J Neurol Neurosurg Psychiatry* 36:697-709, Oct 73
- Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. *J Neurol Sci* 20:1-6, Sep 73
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- [Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F. *Neurochirurgie* 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)
- [The sella turcica in acromegaly. Radiological study] Vezina JL, et al. *Neurochirurgie* 19:Suppl 2:35-56, May 73 (Eng. Abstr.) (Fre)

METABOLISM

- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Metabolic effects in children of a 37 amino acid fragment of bovine growth hormone. Levine LS, et al. *J Clin Endocrinol Metab* 37:607-15, Oct 73

PATHOLOGY

- Electron microscopic studies of human pituitary tumors. I. Chromophobic adenomas. Schechter J. *Am J Anat* 138:371-85, Nov 73
- Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. *J Neurol Sci* 20:1-6, Sep 73
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- [Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F.

PITUITARY

- Neurochirurgie* 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)

RADIOGRAPHY

- Binasal hemianopia. O'Connell JE, et al. *J Neurol Neurosurg Psychiatry* 36:697-709, Oct 73
- Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. *J Neurol Sci* 20:1-6, Sep 73
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- [The sella turcica in acromegaly. Radiological study] Vezina JL, et al. *Neurochirurgie* 19:Suppl 2:35-56, May 73 (Eng. Abstr.) (Fre)

SURGERY

- Binasal hemianopia. O'Connell JE, et al. *J Neurol Neurosurg Psychiatry* 36:697-709, Oct 73
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. *South Med J* 66:747-53, Jul 73
- [Surgical problems in hypophyseal chromophobe adenomas] Kunc Z. *Cesk Neurol* 36:349-56, Nov 73 (Eng. Abstr.) (Cze)
- [Patient after surgery in the region of the pituitary gland] Doleček R, et al. *Vnitr Lek* 19:1049-59, Nov 73 (Eng. Abstr.) (Cze)
- [Central venous pressure alterations during removal of brain tumors] Dansker VL, et al. *Vopr Neurokhir* 36:22-7, Sep-Oct 72 (Eng. Abstr.) (Rus)
- [The dynamics of serum growth hormone concentration in patients with hypophyseal tumors following surgery] Salazkin MA, et al. *Vopr Neurokhir* 37:13-6, May-Jun 73 (Eng. Abstr.) (Rus)

ADENOMA, EOSINOPHILIC

BLOOD

- [TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al. *Ann Endocrinol (Paris)* 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
- [The dynamics of serum growth hormone concentration in patients with hypophyseal tumors following surgery] Salazkin MA, et al. *Vopr Neurokhir* 37:13-6, May-Jun 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

- Electron microscopic studies of human pituitary tumors. II. Acidophilic adenomas. Schechter J. *Am J Anat* 138:387-99, Nov 73
- [Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F. *Neurochirurgie* 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)
- [The sella turcica in acromegaly. Radiological study] Vezina JL, et al. *Neurochirurgie* 19:Suppl 2:35-56, May 73 (Eng. Abstr.) (Fre)

PATHOLOGY

- Electron microscopic studies of human pituitary tumors. II. Acidophilic adenomas. Schechter J. *Am J Anat* 138:387-99, Nov 73
- [Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F. *Neurochirurgie* 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)

RADIOGRAPHY

- [The sella turcica in acromegaly. Radiological study]

Vezina JL, et al.
Neurochirurgie 19:Suppl 2:35-56, May 73 (Eng. Abstr.)
(Fre)

SURGERY

Shock during oral glucose tolerance testing. Sagel J, et al. JAMA 226:667-8, 5 Nov 73
Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. South Med J 66:747-53, Jul 73
[Surgical treatment of pituitary adenoma] Hardy J. Neurochirurgie 19:Suppl 2:75-99, May 73 (Eng. Abstr.)
(Fre)
[The dynamics of serum growth hormone concentration in patients with hypophyseal tumors following surgery] Salazkin MA, et al. Vopr Neirokhir 37:13-6, May-Jun 73 (Eng. Abstr.)
(Rus)

CHIARI-FROMMEL SYNDROME

DRUG THERAPY

Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Tursoy RN.
Semin Drug Treat 3:177-88, Autumn 73

CRANIOPHARYNGIOMA

[Classic syndromes of brain tumor] Scarff JE. Rev Esp Otorrinolaringol Neurocir 31:133-42, Mar-Jun 73 (Eng. Abstr.)
(Spa)

BLOOD

Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al.
J Clin Endocrinol Metab 37:595-601, Oct 73

COMPLICATIONS

Craniohypophyseal angle in children. Banna M, et al. J Pediatr 83:781-5, Nov 73
[Neonatal hydrocephalus caused by craniohypophyseal angle] Baudon JJ, et al. Arch Fr Pediatr 30:563, May 73 (Fre)
[Antibody development against human growth hormone in pituitary dwarfism in relation to the time of therapy] Stubbe P. Monatsschr Kinderheilkd 121:475-7, Jul 73 (Ger)

CONGENITAL

[Neonatal hydrocephalus caused by craniohypophyseal angle] Baudon JJ, et al. Arch Fr Pediatr 30:563, May 73 (Fre)

DIAGNOSIS

Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. J Neurol Sci 20:1-6, Sep 73
Craniohypophyseal angle in children. Banna M, et al. J Pediatr 83:781-5, Nov 73
Field studies of monocularly evoked cerebral potentials in bitemporal hemianopsia. Kool KA, et al. Neurology (Minneapolis) 23:1217-25, Nov 73
[Adipsia and Korsakoff's syndrome following hypophyseal surgery for craniohypophyseal angle. Postoperative obesity and femoral osteonecrosis] Klotz HP, et al. Ann Endocrinol (Paris) 34:158-63, Mar-Apr 73 (Fre)
[Brain neoplasms in childhood] Hemmer R. Med Klin 68:1175-81, 14 Sep 73 (Ger)

DRUG THERAPY

[Hormonal (vasopressin-corticoid) treatment of 16 cases of inoperable cerebral tumors with little or no malignant potential] Bernard-Weil E, et al. Sem Hop Paris 49:1687-97, 14 May 73 (Eng. Abstr.)
(Fre)

METABOLISM

Metabolic effects in children of a 37 amino acid fragment of bovine growth hormone. Levine LS, et al. J Clin Endocrinol Metab 37:607-15, Oct 73

OCCURRENCE

Craniohypophyseal angle in children. Banna M, et al. J Pediatr 83:781-5, Nov 73

PHYSIOPATHOLOGY

Field studies of monocularly evoked cerebral potentials in bitemporal hemianopsia. Kool KA, et al. Neurology (Minneapolis) 23:1217-25, Nov 73

RADIOGRAPHY

Transcallosal removal of cranio-pharyngealomas within the third ventricle. Long DM, et al. J Neurosurg 39:563-7, Nov 73
Craniohypophyseal angle in children. Banna M, et al. J Pediatr 83:781-5, Nov 73

SURGERY

Transcallosal removal of cranio-pharyngealomas within the third ventricle. Long DM, et al. J Neurosurg 39:563-7, Nov 73
[Adipsia and Korsakoff's syndrome following hypophyseal surgery for craniohypophyseal angle. Postoperative obesity and femoral osteonecrosis] Klotz HP, et al. Ann Endocrinol (Paris) 34:158-63, Mar-Apr 73 (Fre)

DIABETES INSIPIDUS

BLOOD

Familial ADH-responsive diabetes insipidus: response to thiazides and chlorpropamide. Driedger AA, et al. Can Med Assoc J 109:594-7, 6 Oct 73
Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al. J Clin Endocrinol Metab 37:595-601, Oct 73
[Effects of synthetic TRH on human prolactin (HPR) secretion] Kato Y, et al. Folia Endocrinol Jap 49:1215-22, 20 Sep 73 (Eng. Abstr.)
(Jap)

CHEMICALLY INDUCED

Demeclocycline-induced nephrogenic diabetes insipidus. In-vivo and in-vitro studies. Singer I, et al. Ann Intern Med 79:679-83, Nov 73
Lithium-induced polydipsia and polyuria: mechanism of action? Brightwell DR, et al. Biol Psychiatry 7:167-71, Oct 73
Editorial: Streptozotocin for islet-cell carcinoma. Lancet 2:1063-4, 10 Nov 73

COMPLICATIONS

Nephrogenic diabetes insipidus and obstructive uropathy. Wiggelinkhuizen J, et al. Am J Dis Child 126:398-401, Sep 73
Subnormal maternal urinary oestriol excretion when the fetus has diabetes insipidus, optic atrophy, and absence of the septum pellucidum. Macafee CA, et al. Aust NZ J Obstet Gynaecol 13:105-6, May 73
Post-obstructive diuresis: a misunderstood phenomenon. Howards SS. J Urol 110:537-40, Nov 73
[Case of severe metabolic acidosis] Rubinjon T, et al. Lijec Vjesn 95:394-9, Jul 73 (Eng. Abstr.) (Cro)

DIAGNOSIS

Familial ADH-responsive diabetes insipidus: response to thiazides and chlorpropamide. Driedger AA, et al. Can Med Assoc J 109:594-7, 6 Oct 73
[Diagnosis of diabetes insipidus] Elgler J. Minerva Med 64:3048-51, 18 Aug 73 (Ita)

DRUG THERAPY

Nephrogenic diabetes insipidus and obstructive uropathy. Wiggelinkhuizen J, et al. Am J Dis Child 126:398-401, Sep 73
Familial ADH-responsive diabetes insipidus: response to thiazides and chlorpropamide. Driedger AA, et al. Can Med Assoc J 109:594-7, 6 Oct 73
[The therapy of diabetes insipidus with 1-desamino-8-D-arginine-vasopressin (autor's transl)]

- Novotný P.
Cas Lek Cesk 112:1083-4, 31 Jul 73 (Eng. Abstr.) (Cze)
 [Adipsia and Korsakoff's syndrome following
 hypothalamo-hypophyseal surgery for
 craniohypophyseal tumor. Postoperative obesity and
 femoral osteonecrosis] Klotz HP, et al.
Ann Endocrinol (Paris) 34:158-63, Mar-Apr 73 (Fre)
 [Furosemide therapy of diabetes insipidus renalis in
 identical twins] Irtel von Brenndorff A, et al.
Monatsschr Kinderheilkd 121:494-6, Jul 73 (Ger)
 [Desamino-D-arg8-vasopressin diacetate and
 carbamazepine in the therapy of diabetes insipidus]
 Tietze HU.
Monatsschr Kinderheilkd 121:496-8, Jul 73 (Ger)
 [On the antidiuretic action of angiotensin II and of
 furosemide in a case of renal diabetes insipidus]
 Salvetti A, et al.
Minerva Pediatr 25:1198-201, 14 Aug 73 (Ita)
 [Chlorpropamide in treatment of diabetes insipidus in
 children] Bittel-Dobrzyńska N, et al.
Pediatr Pol 48:979-86, Aug 73 (Eng. Abstr.) (Pol)

ETIOLOGY

- Ectopic pinealoma: an unusual clinical presentation and
 a histochemical comparison with a seminoma of the
 testis. Beeley JM, et al.
J Neurol Neurosurg Psychiatry 36:864-73, Oct 73
 Craniohypophyseal tumor in children. Banna M, et al.
J Pediatr 83:781-5, Nov 73
 Treatment of acromegaly by stereotaxic
 cryohypophysectomy. Franco PS, et al.
South Med J 66:747-53, Jul 73
 [The year in endocrinology] Albeaux-Fernet M, et al.
Annee Endocrinol 24:1-197, 1972 (9 ref.) (Fre)
 [Semelological and evolutive aspects of tumors of the
 pineal body and of the pineal region studied in the
 light of 52 cases] Almard G, et al.
Rev Otonuroophthalmol 45:33-9, Jan-Feb 73 (Fre)
 [Endocrine manifestations of lesions of the pineal
 region in children] Bovier-Lapierre M, et al.
Rev Otonuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.)
 (Fre)
 [Endocrine dwarfism and diabetes insipidus as
 sequelae of meningeal tuberculosis] Andler W.
Klin Paediatr 185:213-6, May 73 (Ger)
 [Diagnosis of diabetes insipidus] Elgier J.
Minerva Med 64:3048-51, 18 Aug 73 (Ita)
 [Polyuria-polydipsia caused by a diarrhea syndrome in
 early childhood] Grassl A.
Minerva Pediatr 25:1184-97, 14 Aug 73 (Ita)

FAMILIAL & GENETIC

- Nephrogenic diabetes insipidus and obstructive
 uropathy. Wiggelinkhuizen J, et al.
Am J Dis Child 126:396-401, Sep 73
 Familial ADH-responsive diabetes insipidus: response
 to thiazides and chlorpropamide. Driedger AA, et al.
Can Med Assoc J 109:594-7, 6 Oct 73
 [Nephrogenic diabetes] Grassl A.
Minerva Pediatr 25:1155-83, 14 Aug 73 (Ita)
 [Polyuria-polydipsia caused by a diarrhea syndrome in
 early childhood] Grassl A.
Minerva Pediatr 25:1184-97, 14 Aug 73 (Ita)

METABOLISM

- [Extracellular cyclic nucleotides: occurrence, analysis
 and diagnostic significance (author's transl)] Gerblitz
 KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.)
 (Ger)

PATHOLOGY

- [Nephrogenic diabetes] Grassl A.
Minerva Pediatr 25:1155-83, 14 Aug 73 (Ita)

PHYSIOPATHOLOGY

- The effect of exogenous vasopressin and growth
 hormone on the growth of rats with hereditary
 hypothalamic diabetes insipidus. Sokol HW, et al.
Growth 37:127-42, Jun 73
 Post-obstructive diuresis: a misunderstood
 phenomenon. Howards SS. *J Urol* 110:537-40, Nov 73
 [Kidney function in idiopathic diabetes insipidus]
 Koçak N.

- Munch Med Wochenschr* 115:1344-8, 3 Aug 73 (Eng.
 Abstr.) (Ger)
 [Diagnosis of diabetes insipidus] Elgier J.
Minerva Med 64:3048-51, 18 Aug 73 (Ita)

URINE

- Subnormal maternal urinary oestrol excretion when
 the fetus has diabetes insipidus, optic atrophy, and
 absence of the septum pellucidum. Macafee CA, et al.
Aust NZ J Obstet Gynaecol 13:105-6, May 73
 Familial ADH-responsive diabetes insipidus: response
 to thiazides and chlorpropamide. Driedger AA, et al.
Can Med Assoc J 109:594-7, 6 Oct 73
 Solid phase synthesis of
 (1-deamino,4-valine)-8-D-arginine-vasopressin
 (DVAVP), a highly potent and specific antidiuretic
 agent possessing protracted effects. Manning M, et al.
J Med Chem 16:975-8, Sep 73
 [Endocrine dwarfism and diabetes insipidus as
 sequelae of meningeal tuberculosis] Andler W.
Klin Paediatr 185:213-6, May 73 (Ger)

VETERINARY

- The effect of exogenous vasopressin and growth
 hormone on the growth of rats with hereditary
 hypothalamic diabetes insipidus. Sokol HW, et al.
Growth 37:127-42, Jun 73

DWARFISM

- Picture of the month. Schwartz-Jampel syndrome
 (Aberfeld syndrome, chondrodystrophic myotonia).
 Gellis SS, et al. *Am J Dis Child* 126:339-40, Sep 73
 Thanatophoric dwarfism. Shah K, et al.
J Oral Surg 10:243-52, Sep 73
 Letter: Mullibrey nanism v. hereditary congenital
 dwarfism with pericardial constriction. Perheentupa
 J, et al. *Lancet* 2:1095, 10 Nov 73
 Letter: The Russell-Silver syndrome? or trisomy 18?
 Punnett HH, et al. *Pediatrics* 52:756-7, Nov 73
 [Cockayne's syndrome] Predescu V, et al.
Arch Fr Pediatr 30:527-32, May 73 (Eng. Abstr.) (Fre)

BLOOD

- HGH radioimmunoassay. Glucagon and L-dopa
 stimulation tests. Troncone L, et al.
J Nucl Biol Med 17:84-91, Apr-Jun 73
 [The clinical application of a chromatographic
 semiquantitative method for the determination of the
 vitamin-D level in blood (author's transl)]
 Welbberbacher G, et al.
Wien Klin Wochenschr 85:809-11, 7 Dec 73 (Eng.
 Abstr.) (Ger)

COMPLICATIONS

- Intrauterine growth retardation, jaundice, and
 hypoglycemia in a neonate. Ordway NK, et al.
J Pediatr 83:867-74, Nov 73
 Letter: Mullibrey nanism v. hereditary congenital
 dwarfism with pericardial constriction. Perheentupa
 J, et al. *Lancet* 2:1095, 10 Nov 73
 Ichthyosis linearis circumflexa and Netherton's
 syndrome with idiopathic dwarfism. Adamson JE, et
 al. *Proc R Soc Med* 66:624-5, Jul 73
 [Silver-Russell syndrome and other forms of
 intrauterine dwarfism] Blerich JR.
Monatsschr Kinderheilkd 121:286-9, Jul 73 (Ger)

CONGENITAL

- Letter: Mullibrey nanism v. hereditary congenital
 dwarfism with pericardial constriction. Perheentupa
 J, et al. *Lancet* 2:1095, 10 Nov 73
 [Silver-Russell syndrome and other forms of
 intrauterine dwarfism] Blerich JR.
Monatsschr Kinderheilkd 121:286-9, Jul 73 (Ger)

DIAGNOSIS

- Thanatophoric dwarfism. Shah K, et al.
J Oral Surg 10:243-52, Sep 73
 Intrauterine growth retardation, jaundice, and
 hypoglycemia in a neonate. Ordway NK, et al.
J Pediatr 83:867-74, Nov 73
 [Cockayne's syndrome. Cachectic dwarfism with
 hearing disorder, mental retardation and

- oligophrenia] Kosenow W, et al.
Fortschr Med 91:1257-63, 15 Nov 73 (Ger)
 [Silver-Russell syndrome and other forms of
 intrauterine dwarfism] Bierlich JR.
Monatsschr Kinderheilkd 121:286-9, Jul 73 (Ger)
 [Diagnostic problems in Duhovitz syndrome]
 Rynlewicz B, et al.
Pediatr Pol 48:1005-10, Aug 73 (Eng. Abstr.) (Pol)

ETIOLOGY

- [Etio-pathogenetic aspects of the so-called
 non-endocrine infantile nanism] Lodi A, et al.
Minerva Med 64:2940-1, 28 Jul 73 (Ita)
 [Nephrogenic diabetes] Grassl A.
Minerva Pediatr 25:1155-83, 14 Aug 73 (Ita)

FAMILIAL & GENETIC

- Familial camptomelic dwarfism. Thurmon TF, et al.
J Pediatr 83:841-3, Nov 73
 A case with short arm deletion of chromosome 18
 (18p-syndrome). Kumagai M, et al.
Jap J Hum Genet 18:24-36, Jun 73
 Letter: Mullibrey nanism v. hereditary congenital
 dwarfism with pericardial constriction. Perheentupa
 J, et al. *Lancet* 2:1095, 10 Nov 73
 Radiographic patterns of dyschondrosteosis.
 (Leri-Weill disease). Hoeffel JC, et al.
Radiol Clin Biol 42:366-72, 1973
 [Importance and heterogeneity of xeroderma
 pigmentosum syndrome] Jung EG.
Hautarzt 24:175-9, May 73 (61 ref.) (Ger)

IMMUNOLOGY

- Immunoreactive properties of the plasma hGH from
 patients with the syndrome of familial dwarfism and
 high plasma IR-hGH. Eshet R, et al.
J Clin Endocrinol Metab 37:819-21, Nov 73

METABOLISM

- Editorial: Sleep and metabolism.
Br Med J 3:650, 29 Sep 73
 Metabolic effects in children of a 37 amino acid
 fragment of bovine growth hormone. Levine LS, et al.
J Clin Endocrinol Metab 37:607-15, Oct 73

PATHOLOGY

- Thanatophoric dwarfism. Shah K, et al.
J Oral Surg 10:243-52, Sep 73

PHYSIOPATHOLOGY

- Electrocardiogram and vectorcardiogram in Turner
 phenotype with normal chromosomes and pulmonary
 stenosis. Rasmussen K, et al.
Br Heart J 35:937-45, Sep 73
 [Etio-pathogenetic aspects of the so-called
 non-endocrine infantile nanism] Lodi A, et al.
Minerva Med 64:2940-1, 28 Jul 73 (Ita)

RADIOGRAPHY

- Thanatophoric dwarfism. Shah K, et al.
J Oral Surg 10:243-52, Sep 73
 Radiological evaluation of the spinal cord in congenital
 atlanto-axial dislocation. Perovic MN, et al.
Radiology 109:713-6, Dec 73

DWARFISM, PITUITARY

BLOOD

- Characterization of the LH response to luteinizing
 hormone-releasing hormone (LH-RH) in isolated and
 multiple tropic hormone deficiencies. Medeiros-Neto
 GA, et al. *J Clin Endocrinol Metab* 37:972-6, Dec 73
 [Endocrine dwarfism and diabetes insipidus as
 sequelae of meningeal tuberculosis] Andler W.
Klin Paediatr 185:213-6, May 73 (Ger)

COMPLICATIONS

- Vascular disease in the chronic HGH-deficient state.
 Merimee TJ, et al. *Diabetes* 22:813-9, Nov 73

DRUG THERAPY

- Comparison of growth acceleration of pituitary dwarfs
 treated with anabolic steroid and thyroid hormone
 with normal growth spurt. Harada Y, et al.
Acta Endocrinol (Kbh) 74:237-49, Oct 73
 Hydroxyproline excretion in pituitary dwarfs treated
 with therapeutic doses of human growth hormone.
 Batrinos ML, et al. *Horm Res* 4:311-20, 1973
 [Antibody development against human growth
 hormone in pituitary dwarfism in relation to the time
 of therapy] Stuhbe P.
Monatsschr Kinderheilkd 121:475-7, Jul 73 (Ger)

ETIOLOGY

- [Endocrine dwarfism and diabetes insipidus as
 sequelae of meningeal tuberculosis] Andler W.
Klin Paediatr 185:213-6, May 73 (Ger)
 [Antibody development against human growth
 hormone in pituitary dwarfism in relation to the time
 of therapy] Stuhbe P.
Monatsschr Kinderheilkd 121:475-7, Jul 73 (Ger)

FAMILIAL & GENETIC

- Histological and ultrastructural studies in isolated
 growth hormone deficiency. Rimoin DL, et al.
J Clin Endocrinol Metab 37:725-35, Nov 73
 Growth hormone and premature ageing. Shire JG.
Nature 245:215-6, 28 Sep 73

IMMUNOLOGY

- [Antibody development against human growth
 hormone in pituitary dwarfism in relation to the time
 of therapy] Stuhbe P.
Monatsschr Kinderheilkd 121:475-7, Jul 73 (Ger)

METABOLISM

- Vascular disease in the chronic HGH-deficient state.
 Merimee TJ, et al. *Diabetes* 22:813-9, Nov 73
 Hydroxyproline excretion in pituitary dwarfs treated
 with therapeutic doses of human growth hormone.
 Batrinos ML, et al. *Horm Res* 4:311-20, 1973
 Decreased epinephrine response of adenylate cyclase
 activity of lymphoid cells from immunodeficient
 pituitary dwarf mice. Kemp RG, et al.
J Immunol 111:1855-61, Dec 73
 Growth hormone and premature ageing. Shire JG.
Nature 245:215-6, 28 Sep 73

PATHOLOGY

- Histological and ultrastructural studies in isolated
 growth hormone deficiency. Rimoin DL, et al.
J Clin Endocrinol Metab 37:725-35, Nov 73

PHYSIOPATHOLOGY

- [Growth hormone deficiency dwarfism and idiopathic
 hypopituitarism. Study of hypothalamo-hypophyseal
 function] Martín Zurro A, et al.
Rev Clin Esp 130:117-22, 31 Jul 73 (Eng. Abstr.) (Spa)

URINE

- Hydroxyproline excretion in pituitary dwarfs treated
 with therapeutic doses of human growth hormone.
 Batrinos ML, et al. *Horm Res* 4:311-20, 1973

VETERINARY

- Growth hormone and premature ageing. Shire JG.
Nature 245:215-6, 28 Sep 73

FROEHLICH'S SYNDROME

SURGERY

- Intestinal shunt-operation in obesity. A comparison of
 three types of operation. Danö P, et al.
Scand J Gastroenterol 8:457-64, 1973

GIGANTISM

COMPLICATIONS

- [On the "Kerhen-Ohr" (Inherited slit-like indentations

GIGANTISM

of ear-lobes) in the Exomphalos-Macroglossia-Gigantism Syndrome, on auricular fistulae and on the presence of analogous findings in other syndromes and in normal individuals (author's transl)] Wiedemann HR.

Z Kinderheilkd 115:95-110, 31 Aug 73 (Eng. Abstr.) (Ger)

[Case of acute erythremic myelosis] Buscarini L, et al. Haematologica (Pavia) 58:427-36, 1973 (Ita)

DIAGNOSIS

[Acromegaly-gigantism. Clinical and biological study] Somma M, et al. Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)

[Diagnosis: cerebral gigantism] Paediatr Paedol 8:420-2, 1973 (Ger)

[Cerebral gigantism. Clinical and biological study of 5 cases] Pascual-Castroviejo I, et al. Minerva Paediatr 25:1245-54, 1 Sep 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

Pituitary gigantism. A case report and review. Haigler ED Jr, et al. Arch Intern Med 132:588-94, Oct 73

ETIOLOGY

[Surgical treatment of pituitary adenoma] Hardy J. Neurochirurgie 19:Suppl 2:75-99, May 73 (Eng. Abstr.) (Fre)

[Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F. Neurochirurgie 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)

[Acromegaly-gigantism. Surgical treatment by transphenoidal exeresis of the pituitary adenoma. Postoperative clinical and biological evaluation and therapeutic results] Somma M, et al. Neurochirurgie 19:Suppl 2:101-16, May 73 (Eng. Abstr.) (Fre)

[Acromegaly-gigantism. Clinical and biological study] Somma M, et al. Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)

HISTORY

[A famous Canadian giant: Edouard Beupré (1881-1904)] (Beupré E), Blais JM. Neurochirurgie 19:Suppl 2:23-34, May 73 (Eng. Abstr.) (Fre)

[Acromegaly-gigantism before Pierre Marie] (Marie P), Dumas P. Neurochirurgie 19:Suppl 2:13-22, May 73 (Fre)

RADIOGRAPHY

Localised gigantism of the extremities. Khaw JH, et al. Med J Malaysia 27:292-8, Jun 73

SURGERY

Pituitary gigantism. A case report and review. Haigler ED Jr, et al. Arch Intern Med 132:588-94, Oct 73

HYPOPITUITARISM

Essential hypernatremia, absence of thirst, hypopituitarism, and hypothalamic destruction due to a dysgerminoma. Acquatella H, et al. Acta Neurol Lat Am 18:176-85, Apr-Jun 72

BLOOD

Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al.

J Clin Endocrinol Metab 37:595-601, Oct 73

Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al. J Clin Endocrinol Metab 37:540-9, Oct 73

Circulating corticotrophin levels in severe hypopituitarism and in the neonate. Holdaway IM, et al. Lancet 2:1170-1, 24 Nov 73

PITUITARY

Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Bidingmaler F, et al. Pediatr Res 7:901-7, Nov 73

[TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al. Ann Endocrinol (Paris) 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)

[Variations of plasma insulin and somatotropin during the arginine test in children] Lecornu M, et al. Ann Endocrinol (Paris) 34:226-7, Mar-Apr 73 (Eng. Abstr.) (Fre)

[Serum testosterone--interpretation of the test results] Ibayashi H, et al. Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)

DIAGNOSIS

Endocrine studies on schistosomiasis and malnutrition in children. Aboul-Dahab YK, et al. Acta Hepatogastroenterol (Stuttg) 20:102-15, Mar-Apr 73

Shock during oral glucose tolerance testing. Sagel J, et al. JAMA 226:667-8, 5 Nov 73

DRUG THERAPY

Paradoxical response of plasma cortisol to pulse intravenous injection of synthetic corticotrophin and dibutyryl cyclic adenosine 3',5'-monophosphate in adult panhypopituitarism. Angell A, et al. Acta Endocrinol (Kbh) 74:250-62, Oct 73

Oxandrolone and human growth hormone. Comparison of growth-stimulating effects in short children. Raitl S, et al. Am J Dis Child 126:597-600, Nov 73

Effect of human growth hormone treatment on adipose tissue in children. Brook CG. Arch Dis Child 48:725-8, Sep 73

ETIOLOGY

Endocrine studies on schistosomiasis and malnutrition in children. Aboul-Dahab YK, et al. Acta Hepatogastroenterol (Stuttg) 20:102-15, Mar-Apr 73

Electron microscopic studies of human pituitary tumors. I. Chromophobic adenomas. Schechter J. Am J Anat 138:371-85, Nov 73

Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. J Neurol Sci 20:1-6, Sep 73

Growth and development in adolescence. Kogut MD. Pediatr Clin North Am 20:789-806, Nov 73 (111 ref.)

Rupture of the uterus followed by Sheehan's syndrome, candidemia, and multiple complications. Ziprick HF. Trans Pac Coast Obstet Gynecol Soc 40:74-9, 1973

[Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murle N, et al. Ann Endocrinol (Paris) 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)

[Acromegaly-gigantism. Surgical treatment by transphenoidal exeresis of the pituitary adenoma. Postoperative clinical and biological evaluation and therapeutic results] Somma M, et al. Neurochirurgie 19:Suppl 2:101-16, May 73 (Eng. Abstr.) (Fre)

[Acromegaly-gigantism. Clinical and biological study] Somma M, et al. Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)

[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al. Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.) (Fre)

FAMILIAL & GENETIC

Growth and development in adolescence. Kogut MD. Pediatr Clin North Am 20:789-806, Nov 73 (111 ref.)

METABOLISM

The levodopa test of growth hormone reserve in children. Porter BA, et al. Am J Dis Child 126:589-92, Nov 73

Metabolic effects in children of a 37 amino acid fragment of bovine growth hormone. Levine LS, et al. J Clin Endocrinol Metab 37:807-15, Oct 73

Effect of growth hormone deficiency on glucagon secretion. Blackard WG, et al. Proc Soc Exp Biol Med 143:1042-4, Sep 73

PHYSIOPATHOLOGY

- [Growth hormone deficiency dwarfism and idiopathic hypopituitarism. Study of hypothalamo-hypophyseal function] Martín Zurro A, et al.
Rev Clin Esp 130:117-22, 31 Jul 73 (Eng. Abstr.) (Spa)
 [Clinical adenohypophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E.
Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

INFANTILISM

ETIOLOGY

- [Etiopathogenetic aspects of the so-called non-endocrine infantile nanism] Lodi A, et al.
Minerva Med 64:2940-1, 28 Jul 73 (Ita)

FAMILIAL & GENETIC

- [Coexistence of Sjogren-Larsson syndrome and Rud's syndrome in the same family] Kissel P, et al.
J Genet Hum 21:15-22, Mar 73 (Fre)

PHYSIOPATHOLOGY

- [Etiopathogenetic aspects of the so-called non-endocrine infantile nanism] Lodi A, et al.
Minerva Med 64:2940-1, 28 Jul 73 (Ita)

PITUITARY DISEASES

BLOOD

- [TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al.
Ann Endocrinol (Paris) 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
 [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.
Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)
 [Evaluation of plasma NEFA after arginine infusion. A simple test of the biological activity of STH?] Herrera Pomho JL, et al.
Rev Clin Esp 130:111-6, 31 Jul 73 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

- [Hyperplasia of prolactin cells after estrogen therapy in carcinoma of the prostate (author's transl)] Hachmeister U.
Verh Dtsch Ges Krebsforsch 56:535-9, 1972 (Eng. Abstr.) (Ger)

COMPLICATIONS

- The respirator brain death syndrome. Towhin A.
Hum Pathol 4:583-94, Dec 73
 [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.
Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)

DIAGNOSIS

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction.
 Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
 [Clinicopathological discussion. No. 6. Progressive weight loss, weakness, decrease of sexual function and increased hypersensitivity to pancreatic juice] Chin Med J 8:509-12, 1973 (Chi)
 [Clinical aspects and treatment of pubertal-adolescent dyspituitarism] Egart FM, et al.
Klin Med (Mosk) 51:117-23, Aug 73 (Eng. Abstr.) (Rus)
 [Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al.
Rev Iber Endocrinol 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

- [Clinical aspects and treatment of pubertal-adolescent dyspituitarism] Egart FM, et al.
Klin Med (Mosk) 51:117-23, Aug 73 (Eng. Abstr.) (Rus)

ETIOLOGY

- Proliferating histiocytic lesion. (Histiocytosis-X?). Association of an extensive mediastinal and retroperitoneal sclerosing lesion with Gagel's granuloma of the posterior lobe of the pituitary.
 Hou-Jensen K, et al. *Cancer* 32:809-21, Oct 73

PATHOLOGY

- Proliferating histiocytic lesion. (Histiocytosis-X?). Association of an extensive mediastinal and retroperitoneal sclerosing lesion with Gagel's granuloma of the posterior lobe of the pituitary.
 Hou-Jensen K, et al. *Cancer* 32:809-21, Oct 73
 [Clinicopathological discussion. No. 6. Progressive weight loss, weakness, decrease of sexual function and increased hypersensitivity to pancreatic juice] Chin Med J 8:509-12, 1973 (Chi)

PHYSIOPATHOLOGY

- [Hypothalamic control of thyroid function] Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)
 [Evaluation of plasma NEFA after arginine infusion. A simple test of the biological activity of STH?] Herrera Pomho JL, et al.
Rev Clin Esp 130:111-6, 31 Jul 73 (Eng. Abstr.) (Spa)
 [Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al.
Rev Iber Endocrinol 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)
 [Clinical adenohypophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E.
Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

SURGERY

- [Patient after surgery in the region of the pituitary gland] Doleček R, et al.
Vnitř Lek 19:1049-59, Nov 73 (Eng. Abstr.) (Cze)

URINE

- [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.
Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)

PITUITARY NEOPLASMS

- [Classic syndromes of brain tumor] Scarff JE.
Rev Esp Otorinolaringol Neurocir 31:133-42, Mar-Jun 73 (Eng. Abstr.) (Spa)

BLOOD

- Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al.
J Clin Endocrinol Metab 37:595-601, Oct 73
 HGH radioimmunoassay. Glucagon and L-dopa stimulation tests. Troncone L, et al.
J Nucl Biol Med 17:84-91, Apr-Jun 73
 [TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al.
Ann Endocrinol (Paris) 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
 [Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al.
Folia Endocrinol Jap 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)
 [The dynamics of serum growth hormone concentration in patients with hypophyseal tumors following surgery] Salazkin MA, et al.
Vopr Neirokhir 37:13-6, May-Jun 73 (Eng. Abstr.) (Rus)
 [Evaluation of plasma NEFA after arginine infusion. A simple test of the biological activity of STH?] Herrera Pomho JL, et al.
Rev Clin Esp 130:111-6, 31 Jul 73 (Eng. Abstr.) (Spa)

COMPLICATIONS

- Electron microscopic studies of human pituitary

- tumors. II. Acidophilic adenomas. Schechter J. *Am J Anat* 138:387-99, Nov 73
- Electron microscopic studies of human pituitary tumors. I. Chromophobic adenomas. Schechter J. *Am J Anat* 138:371-85, Nov 73
- Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
- Binasal hemianopia. O'Connell JE, et al. *J Neurol Neurosurg Psychiatry* 36:697-709, Oct 73
- Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. *J Neurol Sci* 20:1-6, Sep 73
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- [Current status of the treatment of Cushing syndromes in adults] Bricaire H, et al. *Acquis Med Recent* '33-47, 1972 (Fre)
- [Surgical treatment of pituitary adenoma] Hardy J. *Neurochirurgie* 19:Suppl 2:75-99, May 73 (Eng. Abstr.) (Fre)
- [Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F. *Neurochirurgie* 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)
- [Acromegaly-gigantism. Clinical and biological study] Somma M, et al. *Neurochirurgie* 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)
- [Acromegaly-gigantism. Surgical treatment by transsphenoidal exeresis of the pituitary adenoma. Postoperative clinical and biological evaluation and therapeutic results] Somma M, et al. *Neurochirurgie* 19:Suppl 2:101-16, May 73 (Eng. Abstr.) (Fre)
- [The sella turcica in acromegaly. Radiological study] Vezina JL, et al. *Neurochirurgie* 19:Suppl 2:35-56, May 73 (Eng. Abstr.) (Fre)
- [Invasive pituitary adenomas. Apropos of a case of intra-sphenoidal adenoma revealed by meningitis with pneumatocele] Devic M, et al. *Rev Otonuroophthalmol* 45:41-51, Jan-Feb 73 (Fre)
- [Cushing's syndrome in childhood] Miletic D, et al. *Monatsschr Kinderheilkd* 121:413-4, Jul 73 (Ger)
- [Development of intracranial teratomas] Arseni C, et al. *Neurol Psychiatr Neurochir* 18:203-10, May-Jun 73 (Eng. Abstr.) (Rum)

DIAGNOSIS

- Transnasal aspiration biopsy of central skull base destructions. Bergström B, et al. *Acta Cytol (Baltimore)* 17:425-30, Sep-Oct 73
- Role of the ophthalmologist in diagnosing brain tumor. Watanabe H. *South Med J* 66:1101-7, Oct 73
- [Acromegaly-gigantism. Clinical and biological study] Somma M, et al. *Neurochirurgie* 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)
- [Editorial: Anatomical and physiopathological diagnosis of pituitary adenoma. Contribution of current anterior pituitary functions tests] Mornex R, et al. *Nouv Presse Med* 2:2169-72, 22 Sep 73 (Fre)
- [TRH test--interpretation of the test results] Miyai K, et al. *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)

METABOLISM

- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Eddy LJ, et al. *Biochem Biophys Res Commun* 54:140-6, 5 Sep 73
- Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al. *J Biol Chem* 248:7625-30, 25 Nov 73
- Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammatropic, ACTH-secreting pituitary tumor. De Nicola AF, et al. *J Steroid Biochem* 4:407-16, Jul 73

MICROBIOLOGY

- Virus morphogenesis in a mouse lymphoma. Petrea I, et al. *Cancer Res* 33:2291-9, Oct 73

OCCURRENCE

- Spontaneous tumors in Sprague-Dawley rats and Swiss mice. Prejean JD, et al. *Cancer Res* 33:2768-73, Nov 73

PATHOLOGY

- Ultrastructure of a transplantable, mammosomatotropic pituitary tumor (MtT-W10). Nakayama I, et al. *Acta Pathol Jap* 23:237-48, May 73
- Electron microscopic studies of human pituitary tumors. I. Chromophobic adenomas. Schechter J. *Am J Anat* 138:371-85, Nov 73
- Electron microscopic studies of human pituitary tumors. II. Acidophilic adenomas. Schechter J. *Am J Anat* 138:387-99, Nov 73
- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. *Arch Pathol* 96:217-26, Oct 73
- Virus morphogenesis in a mouse lymphoma. Petrea I, et al. *Cancer Res* 33:2291-9, Oct 73
- Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. *J Neurol Sci* 20:1-6, Sep 73
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammatropic, ACTH-secreting pituitary tumor. De Nicola AF, et al. *J Steroid Biochem* 4:407-16, Jul 73
- Metastatic cancer of the pituitary gland. Kovacs K. *Oncology* 27:533-42, 1973
- [Pituitary adenoma in acromegaly-gigantism. Macroscopic, histological and ultrastructural study] Robert F. *Neurochirurgie* 19:Suppl 2:117-62, May 73 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

- Ultrastructure of a transplantable, mammosomatotropic pituitary tumor (MtT-W10). Nakayama I, et al. *Acta Pathol Jap* 23:237-48, May 73
- Common origin for all neuroendocrine tumors. Gammill SL, et al. *Acta Radiol [Ther] (Stockh)* 12:321-6, Aug 73 (30 ref.)
- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. *Arch Pathol* 96:217-26, Oct 73
- [Static and dynamic study of thyrotropin function in a case of primary myxedema with lingual ectopia and suspected pituitary adenoma] Luton JP, et al. *Ann Endocrinol (Paris)* 34:232-5, Mar-Apr 73 (Fre)
- [Evaluation of plasma NEFA after arginine infusion. A simple test of the biological activity of STH?] Herrera Pombo JL, et al. *Rev Clin Esp* 130:111-6, 31 Jul 73 (Eng. Abstr.) (Spa)

RADIOGRAPHY

- The empty sella turcica. Slusher MM, et al. *Ann Ophthalmol* 5:966-8, Sep 73
- Binasal hemianopia. O'Connell JE, et al. *J Neurol Neurosurg Psychiatry* 36:697-709, Oct 73
- Massive pituitary adenoma in a patient with dystrophia myotonica. Banna M, et al. *J Neurol Sci* 20:1-6, Sep 73
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- [Surgical treatment of pituitary adenoma] Hardy J. *Neurochirurgie* 19:Suppl 2:75-99, May 73 (Eng. Abstr.) (Fre)
- [Cavernous plexus affluents] Théron J. *Neurochirurgie* 18:623-38, Dec 72 (Eng. Abstr.) (Fre)
- [The sella turcica in acromegaly. Radiological study] Vezina JL, et al. *Neurochirurgie* 19:Suppl 2:35-56, May 73 (Eng. Abstr.) (Fre)

RADIOTHERAPY

- [Acromegaly-gigantism. Clinical and biological study] Somma M, et al. *Neurochirurgie* 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)

SURGERY

- Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone before and after surgical treatment. Rohde W, et al. *Horm Res* 4:129-40, 1973
- Extrasellar extension of a pituitary adenoma in a patient with a normal-sized sella turcica and impaired vision from an atheromatous carotid artery. Case report. Clifford JR, et al. *J Neurosurg* 39:398-401, Sep 73
- Shock during oral glucose tolerance testing. Sagel J, et al. *JAMA* 226:667-8, 5 Nov 73
- A short review of the collaboration between the Utrecht departments of oto-rhinolaryngology and of neurosurgery and a contribution to some macro-surgical aspects of transsphenoidal hypophysectomy. Verblest H. *ORL* 35:240-7, 1973
- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. *South Med J* 66:747-53, Jul 73
- [Surgical problems in hypophyseal chromophobe adenomas] Kunc Z. *Cesk Neurol* 36:349-56, Nov 73 (Eng. Abstr.) (Cze)
- [Patient after surgery in the region of the pituitary gland] Dolecek R, et al. *Vnitř Lek* 19:1049-59, Nov 73 (Eng. Abstr.) (Cze)
- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murie N, et al. *Ann Endocrinol (Paris)* 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Indications for different methods of excision of the normal and diseased pituitary gland] Pecker J, et al. *Ann Endocrinol (Paris)* 34:181-9, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Surgical treatment of pituitary adenoma] Hardy J. *Neurochirurgie* 19:Suppl 2:75-99, May 73 (Eng. Abstr.) (Fre)
- [Acromegaly-gigantism. Surgical treatment by transsphenoidal exeresis of the pituitary adenoma. Postoperative clinical and biological evaluation and therapeutic results] Somma M, et al. *Neurochirurgie* 19:Suppl 2:101-16, May 73 (Eng. Abstr.) (Fre)
- [Acromegaly-gigantism. Clinical and biological study] Somma M, et al. *Neurochirurgie* 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)

- [Central venous pressure alterations during removal of brain tumors] Dansker VL, et al. *Vopr Neurokhir* 36:22-7, Sep-Oct 72 (Eng. Abstr.) (Rus)
- [The dynamics of serum growth hormone concentration in patients with hypophyseal tumors following surgery] Salazkin MA, et al. *Vopr Neurokhir* 37:13-6, May-Jun 73 (Eng. Abstr.) (Rus)
- [Blood loss during removal of brain tumors] Ugriumov VM, et al. *Vopr Neurokhir* 36:3-7, Sep-Oct 72 (Eng. Abstr.) (Rus)

VETERINARY

- Spontaneous tumors in Sprague-Dawley rats and Swiss mice. Prejean JD, et al. *Cancer Res* 33:2768-73, Nov 73

SHEEHAN'S SYNDROME

BLOOD

- Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al. *J Clin Endocrinol Metab* 37:595-601, Oct 73
- [Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al. *Folia Endocrinol Jap* 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)

DRUG THERAPY

- The use of clomiphene citrate in the treatment of anovulation. Kistner RW. *Semin Drug Treat* 3:159-76, Autumn 73 (25 ref.)
- Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Turksay RN. *Semin Drug Treat* 3:177-88, Autumn 73

ETIOLOGY

- Rupture of the uterus followed by Sheehan's syndrome, candidemia, and multiple complications. Ziprick HF. *Trans Pac Coast Obstet Gynecol Soc* 40:74-9, 1973

PITUITARY

111. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN

- Beclomethasone dipropionate aerosol in childhood asthma. Dickson W, et al.
Arch Dis Child 48:671-5, Sep 73
- Radiolimmunoassay of melanocytes-stimulating hormone (beta-MSH) in human plasma. Donnadieu M, et al. Biomedicine [Express] 19:272-4, 20 Jun 73
- Hypertrophy of the ACTH-producing cell following adrenalectomy: a quantitative electron microscopic study. Siperstein ER, et al.
Endocrinology 93:1257-68, Dec 73
- The rostral pars distalis of the pituitary gland of the freshwater and marine alewife (*Alosa pseudoharengus*). A light and electron microscope study. Cook H, et al.
Z Zellforsch Mikrosk Anat 141:145-59, 31 Jul 73
- Histological observations on the pituitary gland and the glomerular body of the larvae of the marine teleost, *Hexagrammos otakii*. Ichikawa T.
Z Zellforsch Mikrosk Anat 141:493-503, 14 Aug 73
- Pituitary response to environmental osmotic changes in the larval guppy, *Lebistes reticulatus* (Peters). Ichikawa T, et al.
Z Zellforsch Mikrosk Anat 141:161-79, 31 Jul 73
- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murle N, et al.
Ann Endocrinol (Paris) 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Homotropic cooperative effects and rising B-F-curves in hormone-antibody reactions (author's transl)] Bartels HJ, et al.
Z Klin Chem Klin Biochem 11:311-8, Jul 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

- Paradoxical response of plasma cortisol to pulse intravenous injection of synthetic corticotrophin and dibutyryl cyclic adenosine 3',5'-monophosphate in adult panhypopituitarism. Angell A, et al.
Acta Endocrinol (Kbh) 74:250-62, Oct 73
- Effect of imidazole on the adrenal response to ACTH and to stress. Marton J, et al.
Acta Physiol Acad Sci Hung 42:225-30, 1972
- The role of cortisol in human parturition. Pokoly TB. Am J Obstet Gynecol 117:549-53, 15 Oct 73
- Pituitary gigantism. A case report and review. Halgler ED Jr, et al. Arch Intern Med 132:588-94, Oct 73
- Factors affecting plasma ceruloplasmin activity in *Gallus domesticus*. Freeman BM, et al.
Comp Biochem Physiol [A] 45:689-98, 1 Jul 73
- Microphallus pygmaeus*: effect of long-acting ACTH preparation on establishment and retention in alimentary canal of the mouse. Mills AR, et al.
Exp Parasitol 34:251-6, Oct 73
- Adrenal mitochondrial cytochrome P-450 and cholesterol side chain cleavage activity. Differences in the response of the zona glomerulosa and zona fasciculata-reticularis to adrenocorticotrophic hormone and its withdrawal. Alfano J, et al.
J Biol Chem 248:7860-4, 25 Nov 73
- Functional development of the hypothalamo-hypophyseal-adrenal cortex axis in the chick embryo, *Gallus domesticus*. Wise PM, et al.
J Exp Zool 185:277-92, Sep 73
- Intake and excretion patterns of naturally occurring radium-226 in humans. Spencer H, et al.
Radiat Res 56:354-69, Nov 73
- Correlation of the clinical response to ACTH treatment with the endocrine status in myasthenia gravis. Cape CA, et al. South Med J 66:1011-3, Sep 73
- [Metapirone test after treatment with slow-acting tetracosactide (slow-acting synactene)] Murle N, et al. Ann Endocrinol (Paris) 34:164-73, Mar-Apr 73 (Fre)
- [Treatment of myasthenia with adrenocorticotrophins (ACTH and Synacthen). Apropos of 100 treatments in 25 patients] Goulon M, et al.

- Rev Neurol (Paris) 127:457-70, Oct 72 (Eng. Abstr.) (Fre)
- [Adrenal gland scanning with ¹³¹I-19-iodocholesterol (author's transl)] Tragl KH, et al.
Wien Klin Wochenschr 85:806-9, 7 Dec 73 (Eng. Abstr.) (Ger)
- [Treatment with ACTH in the myasthenic syndrome with an immunological substratum] Radu H, et al.
Neurol Psychiatr Neurochir 18:377-84, Jul-Aug 73 (Eng. Abstr.) (Rum)

ADVERSE EFFECTS

- Editorial: Extra-articular lesions of rheumatoid arthritis. Br Med J 3:651, 29 Sep 73
- [Corticoid and ACTH therapy of neurologic diseases] Hallen O. Med Welt 24:951-4, 8 Jun 73 (Ger)

ANALYSIS

- Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al.
J Endocrinol 59:43-55, Oct 73
- Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)
- Ultrastructural immunocytochemistry with unlabeled antibodies and the peroxidase-antiperoxidase complex. A technique more sensitive than radiolimmunoassay. Moriarty GC, et al.
J Histochem Cytochem 21:825-33, Sep 73
- Circulating corticotrophin levels in severe hypopituitarism and in the neonate. Holdaway IM, et al. Lancet 2:1170-1, 24 Nov 73
- New bioassay for luteinizing hormone. Rees LH, et al. Nature 244:232-4, 27 Jul 73
- [Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al.
C R Acad Sci [D] (Paris) 276:2179-82, 2 Apr 73 (Fre)
- [Genesis and prognostic significance of juvenile hypercorticism] Vasilukova EA, et al.
Vopr Okhr Materin Det 18:48-52, Jun 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

- [Effect of ACTH on some aspects of cholesterol and cholesterol ester metabolism in the rat's adrenal glands] Iudaev NA, et al.
Probl Endocrinol (Mosk) 19:67-72, Sep-Oct 73 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

- Cushing's syndrome caused by recurrent malignant bronchial carcinoid. Case report with 12 years' observation. Isawa T, et al.
Am Rev Respir Dis 108:1200-4, Nov 73
- Effect of acute neurogenic stress on hypothalamic corticotrophin-releasing factor content. Chowen I, et al. Isr J Med Sci 9:1056-8, Aug 73
- Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al.
J Biol Chem 248:7625-30, 25 Nov 73
- The traditional oriental medicine and acupuncture therapy. Toyama PM, et al.
J Miss State Med Assoc 14:488-95, Nov 73 (101 ref.)

BLOOD

- Adrenergic control mechanism for ACTH secretion in man. Nakai Y, et al.
Acta Endocrinol (Kbh) 74:263-70, Oct 73
- The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia. Pham-Huu-Trung MT, et al.
Acta Endocrinol (Kbh) 74:316-30, Oct 73

- Increased aldosterone secretion during sodium depletion with inhibition of renin release. Blair-West Jr, et al. *Am J Physiol* 224:1409-14, Jun 73
- The effect of stress induced by ether anaesthesia on cholesterol content and cholesteryl-esterase activity in rat-adrenal cortex. Trzeclak WH, et al. *Eur J Biochem* 37:327-33, 17 Aug 73
- Electric stimulation of the olfactory mucosa: a new test for the study of the hypothalamic functionality. Orlandi F, et al. *Horm Res* 4:141-52, 1973
- A mechanism for stress-susceptibility in swine. Marple DN, et al. *J Anim Sci* 37:546-50, Aug 73 (41 ref.)
- Circulating corticotrophin levels in severe hypopituitarism and in the neonate. Holdaway IM, et al. *Lancet* 2:1170-1, 24 Nov 73
- Response to 2-deoxy-D-glucose and to glucagon in "ketotic hypoglycemia" of childhood: evidence for epinephrine deficiency and altered alanine availability. Sizonenko PC, et al. *Pediatr Res* 7:983-93, Dec 73
- Treatment of acromegaly by stereotaxic cryobipopsy. Franco PS, et al. *South Med J* 66:747-53, Jul 73
- [TSH, GH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al. *Ann Endocrinol (Paris)* 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
- [Editorial: Anatomical and physiopathological diagnosis of pituitary adenoma. Contribution of current anterior pituitary functions tests] Mornex R, et al. *Nouv Presse Med* 2:2189-72, 22 Sep 73 (Fre)
- [ACTH-interpretation of test results] Imura H, et al. *Jap J Clin Med* 31:1584-90, 1973 (Jap)
- [ACTH and summary 11-hydroxycorticosteroids of the blood in endovascular therapeutic and diagnostic interventions under somnolent anesthesia in urology] Soskin VD, et al.
- Eksp Khir Anesteziol 18:73-6, Mar-Apr 73 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

- Endocrine studies on schistosomiasis and malnutrition in children. Aboul-Dahab YK, et al. *Acta Hepatogastroenterol (Stuttg)* 20:102-15, Mar-Apr 73
- Systemic lupus erythematosus with adrenal insufficiency. Eichner HL, et al. *Am J Med* 55:700-5, Nov 73
- Adrenocortical function in acromegaly. Cbarro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
- Adrenocortical function after major gastric surgery. Bilchert-Toft M, et al. *Am J Surg* 126:595-7, Nov 73
- Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. Ganguly A, et al. *J Clin Endocrinol Metab* 37:765-75, Nov 73
- Growth hormone studies before and during catch-up growth in a child with emotional deprivation and short stature. Powell GF, et al. *J Clin Endocrinol Metab* 37:874-9, Nov 73
- Quantitative relations of fetal and maternal pituitary-adrenal systems. Jackson BT, et al. *J Clin Invest* 52:3154-60, Dec 73
- Cushing's syndrome and pregnancy. Grimes EM, et al. *Obstet Gynecol* 42:550-9, Oct 73
- [Adrenal glucocorticoid function during removal of tumors of the cerebral hemispheres] Khomeitskaya LF. *Vopr Neirokhir* 36:27-32, Sep-Oct 72 (Eng. Abstr.) (Rus)
- [The state of adrenal cortical function in chronic alcoholism] Shishov VI. *Zh Nevropatol Psikhiatr* 73:235-8, 1973 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

- Separation of some pituitary proteohormones by disc-electrophoresis. Knopp J, et al. *Endocrinol Exp (Bratisl)* 7:203-6, Sep 73

METABOLISM

- Hormone: receptor interactions. Biological activities of (phenylalanine, norvaline)-adrenocorticotropin-(1-24)-tetraoctapeptide and its 4,5-dehydro-4,5-ditritio-norvaline analogue in isolated rat lipocytes and adrenal cortex cells: lipolysis, corticosterone and cyclic

- adenosine-3',5'-monophosphate production. Lang U, et al. *Helv Chim Acta* 56:1069-72, 1973
- Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al. *J Clin Endocrinol Metab* 37:540-9, Oct 73
- Corticosterone metabolism by rat adrenocortical cell suspensions and monolayer cultures: the effect of damage on 11-dehydrogenase activity. O'Hare MJ. *J Endocrinol* 59:141-50, Oct 73
- Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73
- Fasting hypoglycemia. Barub S, et al. *Med Clin North Am* 57:1441-62, Nov 73 (30 ref.)
- The mechanism of initiation of parturition in the ewe. Liggins GC, et al. *Recent Prog Horm Res* 29:111-59, 1973
- [Pathological aspects of adrenalectomy in hypothalamic-pituitary Cushing's syndrome (author's transl)] Kracht J, et al. *Verh Dtsch Ges Kreislaufforsch* 56:376-81, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- Paradoxical response of plasma cortisol to pulse intravenous injection of synthetic corticotrophin and dibutyl cyclic adenosine 3',5'-monophosphate in adult panhypopituitarism. Angell A, et al. *Acta Endocrinol (Kbh)* 74:250-62, Oct 73
- "In vivo radioimmunoassay" of aldosterone. Vecsei P, et al. *Acta Endocrinol (Kbh)* 74:307-15, Oct 73
- Effect of imidazole on the adrenal response to ACTH and to stress. Marton J, et al. *Acta Physiol Acad Sci Hung* 42:225-30, 1972
- Effects of mammalian corticotrophin on the ultrastructure of presumptive interrenal cells in the opisthonephros of the lamprey, *Petromyzon marinus* L. Youson JH. *Am J Anat* 138:235-51, Oct 73
- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73
- Control of fetal lung development in the rabbit. Chiswick ML, et al. *Arch Dis Child* 48:709-13, Sep 73
- Ocular response to corticotropin in myasthenia gravis. Cape CA. *Arch Ophthalmol* 90:292-3, Oct 73
- Effect of ACTH on biosynthesis of aldosterone and corticosterone by monolayer cultures of rat adrenal zona glomerulosa cells. Hornsby PJ, et al. *Biochem Biophys Res Commun* 54:1554-9, 15 Oct 73
- Hormone-sensitive adenyl cyclases. Useful models for studying hormone receptor functions in cell-free systems. Birnbaumer L. *Biochim Biophys Acta* 300:129-58, 10 Sep 73 (73 ref.)
- Factors affecting the adrenocorticotrophic hormone stimulation of rabbit adrenal 17 α -hydroxylase activity. Fevold HR, et al. *Biochim Biophys Acta* 313:211-20, 20 Jun 73
- The role of calcium in the steroidogenic response of rat adrenal cells to adrenocorticotrophic hormone. Haksar A, et al. *Biochim Biophys Acta* 313:363-71, 28 Jul 73
- Effects of antilipolytic agents and alpha-adrenergic antagonists on cyclic AMP metabolism in hamster white adipocytes. Hittelman KJ, et al. *Biochim Biophys Acta* 316:403-10, 25 Sep 73
- Influence of acute stimuli on plasma aldosterone concentration in anephric man and kidney allograft recipients. McCaa RE, et al. *Circ Res* 33:313-22, Sep 73
- Factors affecting plasma ceruloplasmin activity in *Gallus domesticus*. Freeman BM, et al. *Comp Biochem Physiol [A]* 45:689-98, 1 Jul 73
- Carotenoid pigments in goldfish (*Carassius auratus* L.). VI. The effect of ACTH and phenylthiourea on the discoloration and the carotenoid metabolism. Hata M, et al. *Comp Biochem Physiol [A]* 46:95-101, 1 Sep 73
- ACTH and cAMP stimulation of adrenal ribosomal protein phosphorylation. Roos BA. *Endocrinology* 93:1287-93, Dec 73
- Hypertrophy of the ACTH-producing cell following adrenalectomy: a quantitative electron microscopic study. Siperstein ER, et al. *Endocrinology* 93:1257-68, Dec 73
- Prostaglandin release from vasculature by angiotensin II: dissociation from lipolysis. Needleman P, et al. *Eur J Pharmacol* 23:316-9, Sep 73
- Influence of plasma on ACTH stimulated

- corticosterone production of isolated adrenal cells. Fehm HL, et al. *FEBS Lett* 36:109-12, 1 Oct 73
- Effects of ACTH on melanophores and iridophores isolated from bullfrog tadpoles. Ide H. *Gen Comp Endocrinol* 21:390-7, Oct 73
- Adrenal mitochondrial cytochrome P-450 and cholesterol side chain cleavage activity. Differences in the response of the zona glomerulosa and zona fasciculata-reticularis to adrenocorticotrophic hormone and its withdrawal. Alfano J, et al. *J Biol Chem* 248:7860-4, 25 Nov 73
- Comparison of the effects of adrenocorticotrophic hormone on the steroidogenic activity and ultrastructure of adrenal cortex. Kuo TH, et al. *J Biol Chem* 248:8679-83, 10 Oct 73
- Capacity for steroidogenesis of adrenals in hypophysectomized and adrenocorticotrophic hormone-treated hypophysectomized rats. Implication of a ribonucleic acid for hormone-induced steroidogenesis. Mostafapour MK, et al. *J Biol Chem* 248:8674-8, 10 Oct 73
- Role of adrenal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). Silver R, et al. *J Comp Physiol Psychol* 84:453-63, Sep 73
- The episodic nature of changes in ovine plasma cortisol levels and their response to adrenalline during adaptation to a new environment. McNatty KP, et al. *J Endocrinol* 59:171-80, Oct 73
- Aspects of adrenal function in neonatally estrogenized male mice. Simmons JE, et al. *J Exp Zool* 186:123-6, Nov 73
- Cell-associated nonesterified fatty acid levels and their alteration during lipolysis in the isolated mouse adipose cell. Cushman SW, et al. *J Lipid Res* 14:632-42, Nov 73
- Stimulatory effect of L-vasopressin on PMSG-induced ovulation in immature rats. Lastra M de la, et al. *J Reprod Fertil* 35:1-6, Oct 73
- Dynamic studies of aldosterone in anephric man. Weldmann P, et al. *Kidney Int* 4:289-98, Oct 73
- Studies on the metabolism of aldosterone in chronic renal failure and anephric man. Williams GH, et al. *Kidney Int* 4:280-8, Oct 73
- Cortisol metabolism in glucose-6-phosphate dehydrogenase deficiency. So PL, et al. *Metabolism* 23:1443-8, Nov 73
- Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Leshner AI, et al. *Physiol Behav* 11:705-11, Nov 73
- The relationship between the antidiuretic activity of rat eye plexus blood and passive avoidance behaviour. Thompson EA, et al. *Physiol Behav* 11:377-80, Sep 73
- Stimulation of steroid secretion in adrenal tumor cells by choleragen. Wolff J, et al. *Proc Natl Acad Sci USA* 70:2741-4, Oct 73
- The effects of metyrapone and ACTH on the development of gluconeogenesis in the neonatal pig. Martin RJ, et al. *Proc Soc Exp Biol Med* 144:603-8, Nov 73
- Maturity of the pituitary-adrenal axis in the newborn dog. Muelheims GH, et al. *Proc Soc Exp Biol Med* 143:1197-200, Sep 73
- In vitro effects of ACTH on uridine incorporation into rapidly labelled adrenal RNA of normal and dexamethasone-suppressed rats. Castells S, et al. *Steroids* 22:171-83, Aug 73
- [Recent data concerning the corticosteroid hormones] Legrand JC, et al. *Acquis Med Recent* 21:32, 1972 (Fre)
- [Influence of adrenalectomy on emotional behavior and brain methamphetamine concentration in rats—effect of chronic administrations of ACTH] Kobayashi M, et al. *Folia Pharmacol Jap* 69:403-8, May 73 (Eng. Abstr.) (Jap)
- [Transformation of lymphocytes of patients with multiple sclerosis, after treatment in vitro with phytoagglutinins] Becus T, et al. *Neurol Psichiatr Neurochir* 18:367-75, Jul-Aug 73 (Eng. Abstr.) (Rum)
- [Mechanism of the polyuric phase of the action of neurohypophyseal hormones] Berklin EB. *Fiziol Zh SSSR* 59:652-7, Apr 73 (Eng. Abstr.) (Rus)
- [Effect of hormones on water-electrolyte metabolism] Dedov II, et al. *Izv Akad Nauk SSSR [Biol]* 4:525-32, Jul-Aug 73 (Eng. Abstr.) (Rus)
- [State of peripheral endocrine glands 6 months after hypophysectomy, and their sensitivity to trophic hormones of the hypophysis] Fedotov VP, et al. *Probl Endokrinol (Mosk)* 19:59-63, Sep-Oct 73 (Rus)
- [Effect of ACTH on some aspects of cholesterol and cholesterol ester metabolism in the rat's adrenal glands] Iudaev NA, et al. *Probl Endokrinol (Mosk)* 19:67-72, Sep-Oct 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- The hypothalamic areas involved in the control of mammatrophic and lactotrophic processes in sheep. Domański E, et al. *Endocrinol Exp (Bratisl)* 7:229-46, Sep 73
- Hypertensive action of 18-hydroxydeoxycorticosterone. Oliver JT, et al. *Science* 182:1249-51, 21 Dec 73
- Hormonal regulation of cyclic AMP. Murad F, et al. *Semin Drug Treat* 3:189-202, Autumn 73
- [Interaction among prostaglandins, nerves and hormones] Chi JY. *Chin Med J* 9:558-62, 1973 (27 ref.) (Chi)
- [Letter: Hyperemesis gravidarum] Lauritzen C. *Dtsch Med Wochenschr* 98:2051, Oct 73 (Ger)

SECRETION

- Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al. *Acta Endocrinol (Kbh)* 73:651-9, Aug 73
- Adrenergic control mechanism for ACTH secretion in man. Nakal Y, et al. *Acta Endocrinol (Kbh)* 74:263-70, Oct 73
- Common origin for all neuroendocrine tumors. Gammill SL, et al. *Acta Radiol [Ther] (Stockh)* 12:321-6, Aug 73 (30 ref.)
- Effects of streptozotocin on an islet cell carcinoma with hypercalcemia. DeWys WD, et al. *Am J Med* 55:671-6, Nov 73
- Insulin and ACTH production by a streptozotocin responsive islet cell carcinoma. Walter RM, et al. *Am J Med* 55:667-70, Nov 73
- Islet cell tumors: current concepts and management. Scheln PS. *Ann Intern Med* 79:239-57, Aug 73
- Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels. Dafny N, et al. *Brain Res* 59:257-72, 14 Sep 73
- Endogenous ACTH induced remission in myasthenia gravis. Arhona NJ, et al. *Bull Los Angeles Neurol Soc* 38:183-7, Oct 73
- Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammatrophic, ACTH-secreting pituitary tumor. De Nicola AF, et al. *J Steroid Biochem* 4:407-16, Jul 73
- Circulating corticotrophin levels in severe hypopituitarism and in the neonate. Holdaway IM, et al. *Lancet* 2:1170-1, 24 Nov 73
- Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dihydropyridine cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al. *Proc Soc Exp Biol Med* 143:941-7, Sep 73
- Effects of urethane on pituitary-adrenal function in the rat. Ondo JG, et al. *Proc Soc Exp Biol Med* 143:894-8, Sep 73
- Hypertensive action of 18-hydroxydeoxycorticosterone. Oliver JT, et al. *Science* 182:1249-51, 21 Dec 73
- Calcitonin- and ACTH-producing cells in a case of medullary carcinoma of the thyroid. Immunofluorescence investigations. Bussolati G, et al. *Virchows Arch [Pathol Anat]* 360:123-7, 9 Aug 73
- [Symptoms and treatment of para-neoplastic endocrine diseases] Raith L. *Munch Med Wochenschr* 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)
- [A study on the role of brain for the establishment of adaptation to the repeated immobilization stress. II. A role of the limbic-midbrain system in the repeated immobilization stress] Yanase M. *J Physiol Soc Jap* 35:171-8, Apr 73 (Eng. Abstr.) (Jap)
- [Clinical adenohypophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E. *Rev Iber Endocrinol* 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

- Paradoxical response of plasma cortisol to pulse intravenous injection of synthetic corticotrophin and dihydropyridine adenosine 3',5'-monophosphate in

- adult panhypopituitarism. Angell A, et al. *Acta Endocrinol (Kbh)* 74:250-62, Oct 73
- Pseudocroup with stridor. Flisberg K, et al. *Acta Otolaryngol (Stockh)* 76:295-9, Oct 73
- Beclomethasone aerosol in childhood asthma. Godfrey S, et al. *Arch Dis Child* 48:665-70, Sep 73
- Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
- Ocular response to corticotropin in myasthenia gravis. Cape CA. *Arch Ophthalmol* 90:292-3, Oct 73
- Endogenous ACTH induced remission in myasthenia gravis. Arbona NJ, et al.
- Bull Los Angeles Neurol Soc* 38:183-7, Oct 73
- The metabolism of salicylazosulphapyridine in ulcerative colitis. I. The relationship between metabolites and the response to treatment in inpatients. Das KM, et al. *Gut* 14:631-41, Aug 73
- Role of cell-mediated immunity in the recovery of cattle from primary and recurrent infections with infectious bovine rhinotracheitis virus. Davies DH, et al. *Infect Immun* 8:510-8, Oct 73
- Myasthenia gravis. Lott RS.
- J Am Pharm Assoc* 13:444-50, Aug 73
- Intracranial reticulum cell sarcoma associated with immunoglobulin A deficiency. Gregory MC, et al.
- J Neurol Neurosurg Psychiatry* 36:769-76, Oct 73
- Correlation of the clinical response to ACTH treatment with the endocrine status in myasthenia gravis. Cape CA, et al. *South Med J* 66:1011-3, Sep 73
- Wegener's granulomatosis appearing initially as otitis media. Linthicum FH Jr, et al.
- Trans Am Acad Ophthalmol Otolaryngol* 76:301-7, Mar-Apr 72
- The frequency of relapse in multiple sclerosis. A study based on 245 cases. Lbermitte F, et al.
- Z Neurol* 205:47-59, 29 Aug 73
- [Treatment of malignant exophthalmos with beta-1-24 corticotropin] Kolebinov N, et al.
- Vutr Boles* 12:80-5, 1973 (Eng. Abstr.) (Bul)
- [Metapirone test after treatment with slow-acting tetracosactide (slow-acting synactene)] Murie N, et al. *Ann Endocrinol (Paris)* 34:164-73, Mar-Apr 73 (Fre)
- [Irradiation of cerebral gliomas, advantages of synthetic ACTH (synacthen) (author's transl)] Constans JP, et al.
- Neurochirurgia (Stuttg)* 16:84-90, May 73 (Eng. Abstr.) (Fre)
- [Treatment of myasthenia with adrenocorticotropins (ACTH and Synacthen). Apropos of 100 treatments in 25 patients] Goulon M, et al.
- Rev Neurol (Paris)* 127:457-70, Oct 72 (Eng. Abstr.) (Fre)
- [Hormonal (vasopressin-corticoid) treatment of 16 cases of inoperable cerebral tumors with little or no malignant potential] Bernard-Well E, et al.
- Sem Hop Paris* 49:1687-97, 14 May 73 (Eng. Abstr.) (Fre)
- [Von Zumbusch's generalized pustulous psoriasis and iodine hypersensitivity] Gutzwiller P.
- Dermatologica* 146:323-8, 1973 (Eng. Abstr.) (Ger)
- [Letter: Hyperemesis gravidarum] Lauritzen C.
- Dtsch Med Wochenschr* 98:2051, Oct 73 (Ger)
- [Cytomegalovirus infection and the Guillain-Barré syndrome (author's transl)] Osterwalder R, et al.
- Dtsch Med Wochenschr* 98:1812-3, 28 Sep 73 (Eng. Abstr.) (Ger)
- [Specific therapy of neurosyphilis] Goerz G, et al.
- Med Welt* 24:980-2, 8 Jun 73 (Ger)
- [Corticoid and ACTH therapy of neurologic diseases] Hallen O. *Med Welt* 24:951-4, 8 Jun 73 (Ger)
- [Immunosuppressive therapy of myasthenias] Mertens HG, et al. *Med Welt* 24:955-63, 8 Jun 73 (Ger)
- [Therapy of epilepsy in infancy] Rosenmayr FW. *Wien Med Wochenschr* 123:626-9, 20 Oct 73 (Ger)
- [Therapy of polyneuritis] Kaeser HE.
- Minerva Med* 64:3046-8, 18 Aug 73 (Ita)
- [Immunosuppressive treatment in neurological disorders] Aaril JA.
- Tidsskr Nor Laegeforen* 93:1395-7, 30 Jun 73 (Eng. Abstr.) (Nor)
- [Treatment with ACTH in the myasthenic syndrome with an immunological substratum] Radu H, et al.
- Neurol Psihiatr Neurochir* 18:377-84, Jul-Aug 73 (Eng. Abstr.) (Rum)
- [The basis for various methods of rehabilitative therapy in the early and initial residual stages of juvenile cerebral palsy] Semenova KA, et al.
- Zh Nevropatol Psihiatr* 73:371-7, 1973 (Eng. Abstr.) (Rus)

URINE

- [Letter: Hyperemesis gravidarum] Lauritzen C.
- Dtsch Med Wochenschr* 98:2051, Oct 73 (Ger)

FSH

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction.
- Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
- Use of cellulose carbonate for the preparation of immunosorbents: the radioimmunoassay of follicle-stimulating hormone. Kennedy JF, et al.
- Carbohydr Res* 30:11-9, Sep 73
- Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
- Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis. Bergadä C, et al.
- J Clin Endocrinol Metab* 37:935-43, Dec 73
- Generation of specific antisera with the hormone-specific beta-subunit of bTSH or hFSH. Vaitukaitis JL, et al.
- J Clin Endocrinol Metab* 37:653-9, Nov 73
- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murie N, et al.
- Ann Endocrinol (Paris)* 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

- Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al.
- Am J Vet Res* 34:1033-40, Aug 73
- Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al.
- Biol Reprod* 9:272-8, Oct 73
- Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al.
- J Anim Sci* 37:523-7, Aug 73
- The effect of bandling weanling rats on their usefulness in subsequent assays of follicle-stimulating hormone. Sharpe RM, et al.
- Lab Anim* 7:311-4, Sep 73
- Immunization of female baboons with hapten-coupled gonadotropins. Stevens VC.
- Obstet Gynecol* 42:496-506, Oct 73

ANALYSIS

- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al.
- Can J Physiol Pharmacol* 51:759-62, Oct 73
- Use of cellulose carbonate for the preparation of immunosorbents: the radioimmunoassay of follicle-stimulating hormone. Kennedy JF, et al.
- Carbohydr Res* 30:11-9, Sep 73
- Adenohypophysis: ultrastructural cytochemistry. A review. Morlarty GC.
- J Histochem Cytochem* 21:855-94, Oct 73 (171 ref.)
- Study of the pituitary-testicular axis in hypothyroid adult male rats. Vllebez-Martinez JA.
- J Reprod Fertil* 35:123-6, Oct 73
- The effect of bandling weanling rats on their usefulness in subsequent assays of follicle-stimulating hormone. Sharpe RM, et al.
- Lab Anim* 7:311-4, Sep 73
- New bioassay for luteinizing hormone. Rees LH, et al.
- Nature* 244:232-4, 27 Jul 73
- Multiple antigenic and biological determinants of human FSH and its subunits. Rabinowitz D, et al.
- Nature [New Biol]* 245:245-7, 24 Oct 73
- [Effect of the epiphysis on the follicle-stimulating function of the hypophysis] Grachev II, et al.
- Fiziol Zh SSSR* 59:647-51, Apr 73 (Eng. Abstr.) (Rus)

BLOOD

- "Triggering" of ovulation after infusion of synthetic luteinizing hormone releasing factor (LRF). Nakano R, et al. *Acta Obstet Gynecol Scand* 52:269-72, 1973
- The levodopa test of growth hormone reserve in children. Porter BA, et al.
- Am J Dis Child* 126:589-92, Nov 73
- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al.
- Am J Obstet Gynecol* 117:757-73, 15 Nov 73

- Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al.
Am J Obstet Gynecol 117:631-42, 1 Nov 73
- Ovulatory plasma amine (epinephrine and norepinephrine) surge in the woman. Zuspan FP, et al.
Am J Obstet Gynecol 117:654-61, 1 Nov 73
- Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dhont M, et al.
Ann Endocrinol (Paris) 34:319-26, May-Jun 73
- Testicular function in sterile Steel mice. Younglai EV, et al.
Biol Reprod 9:317-23, Oct 73
- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al.
Can J Physiol Pharmacol 51:759-62, Oct 73
- Development of a testicular tumour during clomiphene therapy. Reyes FI, et al.
Can Med Assoc J 109:502-3 passim, 15 Sep 73
- Use of cellulose carbonate for the preparation of immunosorbents: the radioimmunoassay of follicle-stimulating hormone. Kennedy JF, et al.
Carbohydr Res 30:11-9, Sep 73
- Induction of ovulation with clomiphene citrate. Kase N.
Clin Obstet Gynecol 16:192-200, Sep 73
- The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG.
Endocrinol Exp (Bratisl) 7:193-201, Sep 73
- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al.
Endocrinology 93:1398-409, Dec 73
- Ovulating and LH-releasing activity of a highly potent analog of synthetic gonadotropin-releasing hormone. Rippel RH, et al.
Endocrinology 93:1449-52, Dec 73
- Reproductive function in the genetically obese "fatty" rat. Salduddin S, et al.
Endocrinology 93:1251-6, Dec 73
- Effects of a progestin, quinestanol, in older diabetic women. Danowski TS, et al.
Horm Res 4:84-96, 1973
- Biphasic effect of testosterone on spermatogenesis in the rat. Walsh PC, et al.
Invest Urol 11:190-3, Nov 73
- Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. II. Follicle-stimulating hormone, luteinizing hormone, testosterone and estradiol. Alford FP, et al.
J Clin Endocrinol Metab 37:848-54, Dec 73
- Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. Boyar RM, et al.
J Clin Endocrinol Metab 37:521-5, Oct 73
- The effect of short-term testosterone administration on serum FSH, LH and testosterone levels: evidence for selective abnormality in LH control in patients with Klinefelter's syndrome. Capell PT, et al.
J Clin Endocrinol Metab 37:752-9, Nov 73
- Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH. Hashimoto T, et al.
J Clin Endocrinol Metab 37:910-6, Dec 73
- Responses of serum luteinizing hormone and follicle-stimulating hormone levels to synthetic luteinizing hormone-releasing hormone (LH-RH) in various forms of testicular disorders. Isurugi K, et al.
J Clin Endocrinol Metab 37:533-9, Oct 73
- Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al.
J Clin Endocrinol Metab 37:540-9, Oct 73
- Effect of apomorphine on growth hormone, prolactin, luteinizing hormone and follicle-stimulating hormone levels in human serum. Lal S, et al.
J Clin Endocrinol Metab 37:719-24, Nov 73
- Hormonal responses to intranasal luteinizing hormone releasing hormone. London DR, et al.
J Clin Endocrinol Metab 37:829-31, Nov 73
- The half-life, metabolism and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in man. Redding TW, et al.
J Clin Endocrinol Metab 37:826-31, Oct 73
- The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al.
J Clin Endocrinol Metab 37:574-80, Oct 73
- Effect of synthetic luteinizing hormone-releasing factor on serum testosterone and gonadotropins in prepubertal, pubertal and adult males. Roth JC, et al.
J Clin Endocrinol Metab 37:680-6, Nov 73
- Inhibition of growth hormone release in humans by somatostatin. Siler TM, et al.
J Clin Endocrinol Metab 37:632-4, Oct 73
- Effects of coltus on gonadotropin, prolactin and sex steroid levels in man. Stearns EL, et al.
J Clin Endocrinol Metab 37:687-91, Nov 73
- Positive feedback effect of progestin upon serum gonadotropins in estrogen-primed castrate men. Stearns EL, et al.
J Clin Endocrinol Metab 37:635-8, Oct 73
- The development of cyclic pituitary-gonadal function in adolescent females. Winter JS, et al.
J Clin Endocrinol Metab 37:714-8, Nov 73
- Functional evaluation of pituitary reserve in patients with the amenorrhea-galactorrhea syndrome utilizing luteinizing hormone-releasing hormone (LH-RH), L-dopa and chlorpromazine. Zárate A, et al.
J Clin Endocrinol Metab 37:855-9, Dec 73
- Development of the mechanisms involved in the facilitatory and inhibitory effects of ovarian steroids on the release of follicle-stimulating hormone in the immature rat. Calligaris L, et al.
J Endocrinol 58:547-54, Sep 73
- Changes in serum gonadotrophin levels, and in protein levels and in-vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. Haar MB ter, et al.
J Endocrinol 58:563-76, Sep 73
- The clinical and endocrinological effect of oestradiol implants at the time of hysterectomy and bilateral salpingo-oophorectomy. Hunter DJ, et al.
J Obstet Gynaecol Br Commonw 80:827-33, Sep 73
- Circadian rhythm of plasma testosterone, cortisol and gonadotropins in normal male subjects. Piro C, et al.
J Steroid Biochem 4:321-9, May 73
- Feedback regulation of gonadotropin secretion in men. Walsh PC, et al.
J Urol 110:84-9, Jul 73
- Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al.
J Urol 110:410-2, Oct 73
- Intensive chemotherapy for Hodgkin's disease: long-term complications. DeVita VT, et al.
Natl Cancer Inst Monogr 36:447-54, May 73
- Effects of immunization with hapten-coupled HCG on the human menstrual cycle. Stevens VC, et al.
Obstet Gynecol 42:485-95, Oct 73
- Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. Zárate A, et al.
Obstet Gynecol 42:507-10, Oct 73
- Pituitary-gonadal relations in female children and adolescents. Winter JS, et al.
Pediatr Res 7:948-53, Dec 73
- Gonadal dysgenesis: the XY variant. Mattox JH.
South Med J 66:839-40, Jul 73
- Decreased serum testosterone concentration in male heroin and methadone addicts. Azizli F, et al.
Steroids 22:467-72, Oct 73
- [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.
Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al.
Arch Gynaecol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altweln JE, et al.
Urol Int 28:370-6, 1973 (Eng. Abstr.) (Ger)
- [Serum LH(HCG) and FSH-Interpretation of the test results] Tanizawa O, et al.
Jap J Clin Med 31:1606-14, 1973 (Jap)

ISOLATION & PURIFICATION

- Separation of some pituitary proteohormones by disc-electrophoresis. Knopp J, et al.
Endocrinol Exp (Bratisl) 7:203-6, Sep 73
- Generation of specific antisera with the hormone-specific beta-subunit of hTSH or hFSH. Valtukaitis JL, et al.
J Clin Endocrinol Metab 37:653-9, Nov 73

METABOLISM

- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al.
Endocrinology 93:1398-409, Dec 73
- An improved solid-phase synthesis of the luteinizing-hormone releasing-hormone-follicle-stimulating hormone

- releasing-hormone (LH-RH-FSH-RH). Arnold WH, et al. *J Med Chem* 18:1054-5, Sep 73
- Further studies on the structure-activity relationships in the C-terminal part of luteinizing hormone-releasing hormone. Fujino M, et al. *J Med Chem* 16:1144-7, Oct 73
- Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. Zárate A, et al. *Obstet Gynecol* 42:507-10, Oct 73
- Neurovascular regulation of the anterior hypophysis. Porter JC, et al. *Recent Prog Horm Res* 29:161-98, 1973
- Effect of castration at birth on the ultrastructure of gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinärmed [C]* 2:1-10, Mar 73
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altwein JE, et al. *Urol Int* 28:370-6, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73
- In vitro culture of bovine embryos. McKenzie BE, et al. *Am J Vet Res* 34:1271-5, Oct 73
- The rôle of sympathetic innervation in pineal-pituitary feed back. Blocking of pineal changes induced in the rat by experimental hypergonadotropinaemia by chronic treatment with bretyllium or guanethidine. Trentini GP, et al. *Ann Endocrinol (Paris)* 34:261-70, May-Jun 73
- Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al. *Biol Reprod* 9:272-8, Oct 73
- Effects of pituitary hormones, melatonin, and thyroidal inhibitors on radioliodide uptake by the thyroid glands of larval and adult tiger salamanders, *Ambystoma tigrinum* (Amphibia: Caudata). Norris DO, et al. *Gen Comp Endocrinol* 21:368-76, Oct 73
- Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al. *J Anim Sci* 37:523-7, Aug 73
- Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylate cyclase. Koch Y, et al. *J Endocrinol* 58:677-8, Sep 73
- The effect of handling weanling rats on their usefulness in subsequent assays of follicle-stimulating hormone. Sharpe RM, et al. *Lab Anim* 7:311-4, Sep 73
- Pituitary extracts and steroid hormones in the control of 3T3 cell growth. Armelin HA. *Proc Natl Acad Sci USA* 70:2702-6, Sep 73

PHYSIOLOGY

- Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altwein JE, et al. *Urol Int* 28:370-6, 1973 (Eng. Abstr.) (Ger)

SECRETION

- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
- LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J. *FEBS Lett* 35:59-62, 1 Sep 73
- Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. Boyar RM, et al. *J Clin Endocrinol Metab* 37:521-5, Oct 73
- The effects of synthetic gonadotrophin releasing factor on the release of luteinizing hormone and follicle-stimulating hormone from ovine pituitary tissue in vitro. Crighton DB. *J Endocrinol* 58:387-91, Sep 73
- The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. Hartley BM, et al. *J Endocrinol* 58:363-75, Sep 73
- Effect of estradiol on the response to LH-RH in male rats at different times after castration. Debeljuk L, et al. *Proc Soc Exp Biol Med* 143:1164-7, Sep 73
- [Influence of synthetic LH-RH on gonadotrophin release under treatment with an oral contraceptive] Becker H, et al. *Klin Wochenschr* 51:159-61, 1 Aug 73 (Ger)
- [Effects of short- and long-term administration of

- synthetic FSH- and LH-releasing hormone on the parameters assessing menstrual function in women with secondary amenorrhoea] Schneider WH, et al. *Wien Klin Wochenschr* 85:554-8, 17 Aug 73 (Eng. Abstr.) (Ger)
- [Effect of the epiphysis on the follicle-stimulating function of the hypophysis] Grachev II, et al. *Fiziol Zh SSSR* 59:647-51, Apr 73 (Eng. Abstr.) (Rus)
- [Role of various portions of the amygdaloid complex in the action of various cholinolytics and estrogens on the gonadotropic function of the hypophysis] Bekhereva EP. *Probl Endokrinol (Mosk)* 19:43-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction. Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
- The effect of treatment for nonovulation, or an induced-ovulation pregnancy, upon subsequent menstrual patterns and further spontaneous pregnancy. Matthews CD, et al. *Fertil Steril* 24:758-62, Oct 73
- Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Turksoy RN. *Semin Drug Treat* 3:177-88, Autumn 73

URINE

- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Isochromosome Y (46,X,Y(Yq)) and female phenotype. Böök JA, et al. *Clin Genet* 4:410-4, 1973
- Effect of oral cyproterone acetate on urinary FSH and LH levels in males being treated for hypersexuality. Marcus AW. *J Reprod Fertil* 33:356-7, May 73

GONADOTROPINS

ADMINISTRATION & DOSAGE

- Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73
- Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al. *Biol Reprod* 9:272-8, Oct 73
- Immunization of female hahoons with hapten-coupled gonadotropins. Stevens VC. *Obstet Gynecol* 42:498-506, Oct 73

ANTAGONISTS & INHIBITORS

- Pharmacokinetics of the gonadotrophin inhibitor 19 beta-cis-ethyliden-17 alpha-ethynyl-17 beta-hydroxy-androstatrien-3-one (Ro 6-5403) in man. Dixon R, et al. *J Steroid Biochem* 4:355-62, Jul 73

BLOOD

- Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al. *Am J Obstet Gynecol* 117:631-42, 1 Nov 73
- The rôle of sympathetic innervation in pineal-pituitary feed back. Blocking of pineal changes induced in the rat by experimental hypergonadotropinaemia by chronic treatment with bretyllium or guanethidine. Trentini GP, et al. *Ann Endocrinol (Paris)* 34:261-70, May-Jun 73

METABOLISM

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction. Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
- Characteristics of a soluble gonadotrophin receptor from the rat testis. Dufau ML, et al. *J Biol Chem* 248:6973-82, 25 Oct 73
- Pharmacokinetics of the gonadotrophin inhibitor 19 beta-cis-ethyliden-17 alpha-ethynyl-17 beta-hydroxy-androstatrien-3-one (Ro 6-5403) in man. Dixon R, et al. *J Steroid Biochem* 4:355-62, Jul 73
- Investigation of precursor availability in the regulation

GONADOTROPINS

of estrogen synthesis in normal human pregnancy. Crystle CD, et al. *Obstet Gynecol* 42:713-24, Nov 73

PHARMACODYNAMICS

- The rôle of sympathetic innervation in pineal-pituitary feed back. Blocking of pineal changes induced in the rat by experimental hypergonadotropinaemia by chronic treatment with bretyllum or guanethidine. Trentini GP, et al.
Ann Endocrinol (Paris) 34:261-70, May-Jun 73
- Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al.
Biol Reprod 9:272-8, Oct 73
- Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Greenwald GS. *Biol Reprod* 9:437-46, Nov 73
- The effects of gonadotropin preparations and steroid hormones on the ovaries of intact and gonadotropin-deprived gudgeons, *Hypseleotris galli*. Mackay NJ. *Gen Comp Endocrinol* 21:278-86, Oct 73
- Maintenance of pregnancy in prepubertal gilts. Ellcott AR, et al. *J Anim Sci* 37:971-3, Oct 73
- Sex and strain involvement in pheromonal facilitation of gonadotropin-induced ovulation in the mouse. Zarrow MX, et al. *J Reprod Fertil* 35:81-7, Oct 73
- Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. *Obstet Gynecol* 42:713-24, Nov 73
- The use of clomiphene citrate in the treatment of anovulation. Kistner RW.
Semin Drug Treat 3:159-76, Autumn 73 (25 ref.)
- [Regulation of genital function in the dormouse. Effect of gonadotropic hormones on diencephalic monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al.
Ann Endocrinol (Paris) 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Tissue injury and plasma kininogen level in rats] Zach HP, et al.
Res Exp Med (Berl) 161:89-100, 26 Jul 73 (Eng. Abstr.) (Ger)
- [State of peripheral endocrine glands 6 months after hypophysectomy, and their sensitivity to trophic hormones of the hypophysis] Fedotov VP, et al. *Probl Endokrinol (Mosk)* 19:59-63, Sep-Oct 73 (Rus)

PHYSIOLOGY

- Endocrine mechanisms in marine invertebrates. Fingerman M. *Fed Proc* 32:2195-2203, Dec 73 (159 ref.)
- Hormonal regulation of cyclic AMP. Murad F, et al. *Semin Drug Treat* 3:189-202, Autumn 73
- [Hormonal regulation of ovarian function in cows] Cheremisinov GA. *Veterinariia* 11:34-7, Nov 72 (Rus)

SECRETION

- Letter: Testosterone-secreting adrenal tumors. Burr IM. *N Engl J Med* 289:1373-4, 20 Dec 73

THERAPEUTIC USE

- [Conservative or surgical treatment of patients with Stein-Leventhal syndrome] Markovski N. *Akush Ginekol (Sofia)* 12:9-13, 1973 (Eng. Abstr.) (Bul)

URINE

- Premature ovarian failure. Starup J, et al. *Acta Obstet Gynecol Scand* 52:259-68, 1973
- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H. *Acta Obstet Gynecol Scand [Suppl]* 1:78, 1973
- Cyclophosphamide-induced ovarian failure. Warne GL, et al. *N Engl J Med* 289:1159-62, 29 Nov 73
- [Antigonadotropins and gonadotropins in some endocrine disorders of the male genitalia] Kolarov P, et al. *Vutr Boles* 12:6-10, 1973 (Eng. Abstr.) (Bul)
- [Plasma FSH and LH in neuro-pituitary amenorrhoea. Static study and dynamic effects of estrogens] Millet D, et al.
Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Urinary gonadotropin-Interpretation of the test results] Igarashi M, et al. *Jap J Clin Med* 31:1574-83, 1973 (Jap)
- [Study of the pathogenesis of juvenile uterine hemorrhages] Dohrotina AF, et al.

PITUITARY

Vopr Okhr Materin Det 18:74-8, Mar 73 (Eng. Abstr.) (Rus)

GONADOTROPINS, PITUITARY

ANALYSIS

- Neurophysin in women during oxytocin-related events. Robinson AG, et al.
J Clin Endocrinol Metab 37:645-52, Nov 73
- Male pseudohermaphroditism in the laboratory Norway rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973
- [Acromegaly-gigantism. Clinical and biological study] Somma M, et al.
Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)

BLOOD

- Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dhont M, et al.
Ann Endocrinol (Paris) 34:319-26, May-Jun 73
- New bioassay for luteinizing hormone. Rees LH, et al. *Nature* 244:232-4, 27 Jul 73
- [Editorial: Anatomical and physiopathological diagnosis of pituitary adenoma. Contribution of current anterior pituitary functions tests] Mornex R, et al. *Nouv Presse Med* 2:2169-72, 22 Sep 73 (Fre)
- [The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al.
Arch Gynaekol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)
- [Diagnosis and therapy of infertility in the male] Petres J, et al.
Munch Med Wochenschr 115:1175-82, 22 Jun 73 (Eng. Abstr.) (Ger)

METABOLISM

- Effect of castration at birth on the ultrastructure of gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinärmed [C]* 2:1-10, Mar 73

PHARMACODYNAMICS

- The effects of gonadotropin preparations and steroid hormones on the ovaries of intact and gonadotropin-deprived gudgeons, *Hypseleotris galli*. Mackay NJ. *Gen Comp Endocrinol* 21:278-86, Oct 73

PHYSIOLOGY

- Hormonal and cytoplasmic control of the maturation of frog oocytes. Masul Y.
Sov J Dev Biol 3:484-95, Nov-Dec 72

SECRETION

- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. *Arch Pathol* 96:217-26, Oct 73
- Experimental investigation on the effect of clomiphene on the gonadotropin secretion of the rat pituitary. Mayer HG. *Endocrinol Exp (Bratisl)* 7:177-82, Sep 73
- LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J. *FEBS Lett* 35:59-62, 1 Sep 73
- Atlas of estradiol-concentrating cells in the central nervous system of the female rat. Pfaff D, et al. *J Comp Neurol* 151:121-58, 15 Sep 73
- Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73
- Letter: Possible control of luteinizing-hormone-releasing hormone by enzymatic degradation. Griffiths EC, et al. *Lancet* 2:862, 13 Oct 73
- [Symptoms and treatment of para-neoplastic endocrine diseases] Raith L.
Munch Med Wochenschr 115:892-3, 11 May 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Turksoy RN.
Semin Drug Treat 3:177-88, Autumn 73

URINE

- Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dhont M, et al. *Ann Endocrinol (Paris)* 34:319-26, May-Jun 73
- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. *South Med J* 66:747-53, Jul 73

LH

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction. Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
- Radiolimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
- The effects of modification of the COOH-terminal regions of hovine thyrotropin and its subunits. Cheng KW, et al. *J Biol Chem* 248:7930-7, 25 Nov 73
- Light and electron microscope localization of binding sites of antihodies against ovine luteinizing hormone and its two subunits in rat adenohypophysis using peroxidase-labeled antibody technique. Tougaard C, et al. *J Cell Biol* 58:503-21, Sep 73
- Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis. Bergadá C, et al. *J Clin Endocrinol Metab* 37:935-43, Dec 73
- Neutralization of human thyrotropin by antisera to subunits of glycoprotein hormones. Nisula BC, et al. *J Clin Endocrinol Metab* 37:664-9, Nov 73
- Generation of specific antisera with the hormone-specific beta-subunit of hTSH or hFSH. Vaitukaitis JL, et al. *J Clin Endocrinol Metab* 37:653-9, Nov 73
- Effect of progesterone on the pituitary responsiveness to luteinizing hormone releasing hormone (LHRH) in intact anoestrous ewes. Plant HC, et al. *J Physiol (Lond)* 232:45P-47P, Jul 73
- Luteinizing hormone-releasing factor potentiates lordosis behavior in hypophysectomized ovariectomized female rats. Pfaff DW. *Science* 182:1148-9, 14 Dec 73
- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murie N, et al. *Ann Endocrinol (Paris)* 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

- Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73
- Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spilman CH, et al. *Biol Reprod* 9:116-24, Sep 73
- In vitro progesterone synthesis by corpora lutea of hysterectomized ewes after in vivo stimulation with luteinizing hormone. Rigor EM, et al. *J Anim Sci* 37:718-21, Sep 73
- Blood serum testosterone after sexual preparation or ejaculation, or after injections of LH or prolactin in bulls. Smith OW, et al. *J Anim Sci* 37:979-84, Oct 73
- Immunization of female hahoons with hapten-coupled gonadotropins. Stevens VC. *Obstet Gynecol* 42:496-506, Oct 73

ANALYSIS

- Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spilman CH, et al. *Biol Reprod* 9:116-24, Sep 73
- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
- Effect of synthetic luteinizing hormone releasing hormone on pituitary and serum levels of luteinizing hormone of intact and median eminence lesioned male rats. Corbin A, et al. *Experientia* 29:1025-6, 15 Aug 73
- Human chorionic gonadotropin. Linear amino acid sequence of the alpha subunit. Bellisario R, et al. *J Biol Chem* 248:6796-809, 10 Oct 73
- Human chorionic gonadotropin. Linear amino acid sequence of the beta subunit. Carlsen RB, et al. *J Biol Chem* 248:6810-27, 10 Oct 73

- Sialic acid and tryptophan content of subunits of human pituitary luteinizing hormone. Shownkeen RC, et al. *J Endocrinol* 59:201-2, Oct 73
- Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC. *J Histochem Cytochem* 21:855-94, Oct 73 (171 ref.)
- Study of the pituitary-testicular axis in hypothyroid adult male rats. Vilchez-Martinez JA. *J Reprod Fertil* 35:123-6, Oct 73
- New bioassay for luteinizing hormone. Rees LH, et al. *Nature* 244:232-4, 27 Jul 73
- Studies on the structure and function of interstitial cell-stimulating hormone. Papkoff H, et al. *Recent Prog Horm Res* 29:563-90, 1973
- Studies on luteinizing hormone and its subunits: development and application of a radioligand receptor assay and properties of the hormone-receptor interaction. Reichert LE Jr, et al. *Recent Prog Horm Res* 29:497-532, 1973
- Chemical studies of luteinizing hormone from human and ovine pituitaries. Ward DN, et al. *Recent Prog Horm Res* 29:533-61, 1973
- [Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al. *C R Acad Sci [D] (Paris)* 276:2179-82, 2 Apr 73 (Fre)

BLOOD

- Changes in plasma levels of prolactin and LH induced by luteolytic or luteotrophic treatment in intact cycling sheep after section of the pituitary stalk. Kann G, et al. *Acta Endocrinol (Kbh)* 73:325-34, Aug 73
- Serum LH during ovulatory and anovulatory menstrual cycles in macaques. Mori J, et al. *Acta Endocrinol (Kbh)* 73:751-8, Aug 73
- "Triggering" of ovulation after infusion of synthetic luteinizing hormone releasing factor (LRF). Nakano R, et al. *Acta Obstet Gynecol Scand* 52:269-72, 1973
- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Serum gonadotropin and steroid patterns in early human gestation. Mlshell DR Jr, et al. *Am J Obstet Gynecol* 117:631-42, 1 Nov 73
- Ovulatory plasma amine (epinephrine and norepinephrine) surge in the woman. Zuspan FP, et al. *Am J Obstet Gynecol* 117:654-61, 1 Nov 73
- Serum luteinizing hormone concentrations in male monkeys (*Macaca fascicularis*). Mori J, et al. *Am J Vet Res* 34:1073-6, Aug 73
- Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dhont M, et al. *Ann Endocrinol (Paris)* 34:319-26, May-Jun 73
- LH and progesterone in the menstrual cycle: further observations on the relationship with the length of the luteal phase. Lepoutre L, et al. *Ann Endocrinol (Paris)* 34:327-31, May-Jun 73
- Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. Okada Y, et al. *Biochem Biophys Res Commun* 53:1180-6, 21 Aug 73
- Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in female rats. Gomhe S, et al. *Biol Reprod* 9:415-9, Nov 73
- Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
- Editorial: Sleep and metabolism. *Br Med J* 3:650, 29 Sep 73
- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
- Development of a testicular tumour during clomiphene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73
- Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
- The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG. *Endocrinol Exp (Bratisl)* 7:193-201, Sep 73
- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73
- Ovulating and LH-releasing activity of a highly potent analog of synthetic gonadotropin-releasing hormone. Rippey RH, et al. *Endocrinology* 93:1449-52, Dec 73
- Reproductive function in the genetically obese "fatty" rat. Saiduddin S, et al. *Endocrinology* 93:1251-6, Dec 73
- Effect of synthetic luteinizing hormone releasing

- hormone on pituitary and serum levels of luteinizing hormone of intact and median eminance lesioned male rats. Corbin A, et al. *Experientia* 29:1025-6, 15 Aug 73
- Cyclic changes in cervical mucus and LH levels in the honnet macaque (*Macaca radiata*). Kanagawa H, et al. *Folia Primatol (Basel)* 19:208-17, 1973
- Biphasic effect of testosterone on spermatogenesis in the rat. Walsh PC, et al. *Invest Urol* 11:190-3, Nov 73
- Effect of ovariectomy and estradiol on LH patterns in ewes. Diekman MA, et al. *J Anim Sci* 37:562-7, Aug 73
- Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. *J Anim Sci* 37:728-33, Sep 73
- Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73
- Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73
- Blood serum testosterone after sexual preparation or ejaculation, or after injections of LH or prolactin in hulis. Smith OW, et al. *J Anim Sci* 37:979-84, Oct 73
- Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. II. Follicle-stimulating hormone, luteinizing hormone, testosterone and estradiol. Alford FP, et al. *J Clin Endocrinol Metab* 37:848-54, Dec 73
- Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. Boyar RM, et al. *J Clin Endocrinol Metab* 37:521-5, Oct 73
- The effect of short-term testosterone administration on serum FSH, LH and testosterone levels: evidence for selective abnormality in LH control in patients with Klinefelter's syndrome. Capell PT, et al. *J Clin Endocrinol Metab* 37:752-9, Nov 73
- Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH. Hashimoto T, et al. *J Clin Endocrinol Metab* 37:910-6, Dec 73
- Responses of serum luteinizing hormone and follicle-stimulating hormone levels to synthetic luteinizing hormone-releasing hormone (LH-RH) in various forms of testicular disorders. Isurugi K, et al. *J Clin Endocrinol Metab* 37:533-9, Oct 73
- Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al. *J Clin Endocrinol Metab* 37:540-9, Oct 73
- Effect of apomorphine on growth hormone, prolactin, luteinizing hormone and follicle-stimulating hormone levels in human serum. Lal S, et al. *J Clin Endocrinol Metab* 37:719-24, Nov 73
- Hormonal responses to intranasal luteinizing hormone releasing hormone. London DR, et al. *J Clin Endocrinol Metab* 37:829-31, Nov 73
- Characterization of the LH response to luteinizing hormone-releasing hormone (LH-RH) in isolated and multiple tropic hormone deficiencies. Medeiros-Neto GA, et al. *J Clin Endocrinol Metab* 37:972-6, Dec 73
- Testosterone concentrations in testes of normal men: effects of testosterone propionate administration. Morse HC, et al. *J Clin Endocrinol Metab* 37:882-6, Dec 73
- The estimation of pituitary luteinizing hormone secretion. Rebar R, et al. *J Clin Endocrinol Metab* 37:917-27, Dec 73
- The half-life, metabolism and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in man. Redding TW, et al. *J Clin Endocrinol Metab* 37:626-31, Oct 73
- The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al. *J Clin Endocrinol Metab* 37:574-80, Oct 73
- Effect of synthetic luteinizing hormone-releasing factor on serum testosterone and gonadotropins in prepubertal, pubertal and adult males. Roth JC, et al. *J Clin Endocrinol Metab* 37:680-6, Nov 73
- Influence of sex phase of the menstrual cycle on thyrotropin (TSH) response to thyrotropin-releasing hormone (TRH). Sanchez-Franco F, et al. *J Clin Endocrinol Metab* 37:736-40, Nov 73
- Inhibition of growth hormone release in humans by somatostatin. Siller TM, et al. *J Clin Endocrinol Metab* 37:632-4, Oct 73
- Effects of coitus on gonadotropin, prolactin and sex steroid levels in man. Stearns EL, et al. *J Clin Endocrinol Metab* 37:687-91, Nov 73
- Positive feedback effect of progestin upon serum gonadotropins in estrogen-primed castrate men. Stearns EL, et al. *J Clin Endocrinol Metab* 37:635-8, Oct 73
- The development of cyclic pituitary-gonadal function in adolescent females. Winter JS, et al. *J Clin Endocrinol Metab* 37:714-8, Nov 73
- Functional evaluation of pituitary reserve in patients with the amenorrhea-galactorrhea syndrome utilizing luteinizing hormone-releasing hormone (LH-RH), L-dopa and chlorpromazine. Zárate A, et al. *J Clin Endocrinol Metab* 37:855-9, Dec 73
- Environmental heat effects on ovine luteinizing hormone. Madan ML, et al. *J Dairy Sci* 56:1420-3, Nov 73
- Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al. *J Endocrinol* 58:377-85, Sep 73
- Role of the kidney in the metabolism of luteinizing hormone. De Kretser DM, et al. *J Endocrinol* 58:425-34, Sep 73
- The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73
- Changes in serum gonadotrophin levels, and in protein levels and in-vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. Haar MB ter, et al. *J Endocrinol* 58:563-76, Sep 73
- Effect of pinealectomy and photoperiodism in the reproduction of Indian weaver birds, *Ploceus philippinus*. Balasubramanian KS, et al. *J Exp Zool* 185:333-40, Sep 73
- Effect of simple amino acid replacements on the biological activity of luteinizing hormone-releasing hormone. Coy DH, et al. *J Med Chem* 16:1140-3, Oct 73
- Radioimmunoassay measurements of serum cortisol, thyroxine, growth hormone and luteinizing hormone with simultaneous electroencephalographic changes during continuous noise in man. Favino A, et al. *J Nucl Biol Med* 17:119-22, Jul-Sep 73
- The clinical and endocrinological effect of oestradiol implants at the time of hysterectomy and bilateral salpingo-oophorectomy. Hunter DJ, et al. *J Obstet Gynaecol Br Commonw* 80:827-33, Sep 73
- Effect of progesterone on the pituitary responsiveness to luteinizing hormone releasing hormone (LHRH) in intact anoestrous ewes. Plant HC, et al. *J Physiol (Lond)* 232:45P-47P, Jul 73
- Prostaglandin F2 alpha and the release of LH in sheep. Carlson JC, et al. *J Reprod Fertil* 34:357-61, Aug 73
- Studies on plasma progesterone in cows associated with ovarian changes following enucleation of the persistent corpus luteum. Dohrowolski W, et al. *J Reprod Fertil* 35:199-201, Oct 73
- Effect of testosterone polydimethyl-siloxane implants upon sperm production, libido and accessory sex organ function in rabbits. Ewing LL, et al. *J Reprod Fertil* 35:245-53, Nov 73
- Plasma hormone levels in heifer cows with induced multiple ovulations. Henricks DM, et al. *J Reprod Fertil* 35:225-33, Nov 73
- Plasma oestradiol, luteinizing hormone and progesterone during pregnancy in the Beagle bitch. Jones GE, et al. *J Reprod Fertil* 35:187-9, Oct 73
- Circadian rhythm of plasma testosterone, cortisol and gonadotropins in normal male subjects. Piro C, et al. *J Steroid Biochem* 4:321-9, May 73
- Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73
- Pituitary-testicular function in a hypogonadal male subject. Youngblat EV, et al. *J Urol* 110:410-2, Oct 73
- Intensive chemotherapy for Hodgkin's disease: long-term complications. DeVita VT, et al. *Natl Cancer Inst Monogr* 36:447-54, May 73
- Letter: Suppression of the cyclic surge of luteinizing hormone secretion and of ovulation in the rat by delta 1-tetrahydrocannabinol. Nir I, et al. *Nature* 243:470-1, 22 Jun 73
- New bioassay for luteinizing hormone. Rees LH, et al. *Nature* 244:232-4, 27 Jul 73
- Stress induced delay of ovulation. Peyser MR, et al. *Obstet Gynecol* 42:667-71, Nov 73
- Effects of immunization with hapten-coupled HCG on the human menstrual cycle. Stevens VC, et al. *Obstet Gynecol* 42:485-95, Oct 73
- Pituitary FSH and LH reserve in women with isolated

- gonadotropin deficiency. Zárate A, et al. *Obstet Gynecol* 42:507-10, Oct 73
- Pituitary-gonadal relations in female children and adolescents. Winter JS, et al. *Pediatr Res* 7:948-53, Dec 73
- Decreased serum testosterone concentration in male heroin and methadone addicts. Azizi F, et al. *Steroids* 22:467-72, Oct 73
- Effect of active immunisation against testosterone-3-BSA on circulating levels of testosterone, LH, prolactin and testosterone antibody titre in the male rat. Hillier SG, et al. *Steroids* 22:227-38, Aug 73
- Proceedings: Radioimmunoassay of luteinizing hormone and progesterone during the ovulatory cycle of the hen *Gallus domesticus*. Bonney RC, et al. *Vet Rec* 93:76-7, 21 Jul 73
- Proceedings: Progesterone, 17 beta oestradiol and LH in relation to ovulation in cows. Dobson H, et al. *Vet Rec* 93:76, 21 Jul 73
- [TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al. *Ann Endocrinol (Paris)* 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
- [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al. *Ann Endocrinol (Paris)* 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al. *Arch Gynaecol* 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)
- [Hypophyseal-gonadal regulation in patients with chronic kidney failure during long-term dialysis] Hrubesch M, et al. *Med Welt* 24:683-4, 27 Apr 73 (Ger)
- [Serum LH in healthy children and in precocious puberty] Butenandt O, et al. *Monatsschr Kinderheilkd* 121:473-4, Jul 73 (Ger)
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altweln JE, et al. *Urol Int* 28:370-6, 1973 (Eng. Abstr.) (Ger)
- [Results of the LH-RH-bypophyseal function test in women with secondary amenorrhea (author's transl)] Schnelder WH, et al. *Wien Klin Wochenschr* 85:588-90, 7 Sep 73 (Eng. Abstr.) (Ger)
- [LH-RH test-interpretation of the results] Aono T, et al. *Jap J Clin Med* 31:1615-22, 1973 (Jap)
- [Serum LH (HCG) and FSH-interpretation of the test results] Tanizawa O, et al. *Jap J Clin Med* 31:1606-14, 1973 (Jap)
- [Mestoranum. What justification has this androgenic steroid?] Frey H. *Tidsskr Nor Lægeforen* 93:1163-4, 30 May 73 (Nor)

ISOLATION & PURIFICATION

- Separation of some pituitary proteohormones by disc-electrophoresis. Knopp J, et al. *Endocrinol Exp (Bratisl)* 7:203-6, Sep 73

METABOLISM

- Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. Okada Y, et al. *Biochem Biophys Res Commun* 53:1180-6, 21 Aug 73
- The labelling of proteins to biog specific radioactivities by conjugation to a 125I-containing acylating agent. Bolton AE, et al. *Biochem J* 133:529-39, Jul 73
- Gonadotropin receptors in the plasma membranes of rat luteal cells. Rao CV, et al. *Biochim Biophys Acta* 313:372-89, 28 Jul 73
- Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in female rats. Gombe S, et al. *Biol Reprod* 9:415-9, Nov 73
- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73
- Characteristics of a soluble gonadotropin receptor from the rat testis. Dufau ML, et al. *J Biol Chem* 248:8973-82, 25 Oct 73
- Role of the kidney in the metabolism of luteinizing hormone. De Kretser DM, et al. *J Endocrinol* 58:425-34, Sep 73

- An improved solid-phase synthesis of the luteinizing-hormone releasing-hormone-follicle-stimulating hormone releasing-hormone (LH-RH-FSH-RH). Arnold WH, et al. *J Med Chem* 16:1054-5, Sep 73
- Further studies on the structure-activity relationships in the C-terminal part of luteinizing hormone-releasing hormone. Fujino M, et al. *J Med Chem* 16:1144-7, Oct 73
- Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. Zárate A, et al. *Obstet Gynecol* 42:507-10, Oct 73
- Studies on the structure and function of interstitial cell-stimulating hormone. Papkoff H, et al. *Recent Prog Horm Res* 29:563-90, 1973
- Studies on luteinizing hormone and its subunits: development and application of a radioligand receptor assay and properties of the hormone-receptor interaction. Reichert LE Jr, et al. *Recent Prog Horm Res* 29:497-532, 1973
- In vitro demonstration of a direct feedback of luteinizing hormone on the hypothalamus, using bovine tissue. Symington RB, et al. *S Afr Med J* 47:1731-4, 29 Sep 73
- Effect of castration at birth on the ultrastructure of gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinärmed [C]* 2:1-10, Mar 73
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altweln JE, et al. *Urol Int* 28:370-6, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73
- In vitro culture of bovine embryos. McKenzie BE, et al. *Am J Vet Res* 34:1271-5, Oct 73
- Hormone-sensitive adenyl cyclases. Useful models for studying hormone receptor functions in cell-free systems. Birnbaumer L. *Biochim Biophys Acta* 300:129-58, 10 Sep 73 (73 ref.)
- Effect of varying the time of artificial insemination in relation to ovulation on conception and prenatal losses in the rabbit. O'Ferrall GJ. *Biol Reprod* 9:338-42, Nov 73
- Induction by luteinizing hormone of ovum maturation and of steroidogenesis in isolated Graafian follicles of the rat: role of RNA and protein synthesis. Tsafirli A, et al. *Endocrinology* 93:1378-86, Dec 73
- Effects of pituitary hormones, melatonin, and thyroidal inhibitors on radiolodide uptake by the thyroid glands of larval and adult tiger salamanders, *Ambystoma tigrinum* (Amphibia: Caudata). Norris DO, et al. *Gen Comp Endocrinol* 21:368-76, Oct 73
- In vitro progesterone synthesis by corpora lutea of hysterectomized ewes after in vivo stimulation with luteinizing hormone. Rigor EM, et al. *J Anim Sci* 37:718-21, Sep 73
- The effects of modification of the COOH-terminal regions of bovine thyrotropin and its subunits. Cheng KW, et al. *J Biol Chem* 248:7930-7, 25 Nov 73
- Control of steroidogenesis in pre-ovulatory cells. Luteinizing hormone stimulation of (14C)-acetate incorporation into steroids. Morris PW, et al. *J Biol Chem* 248:6920-7, 10 Oct 73
- Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylate cyclase. Kocb Y, et al. *J Endocrinol* 58:877-8, Sep 73
- Influence of the tripeptide, PRO-ARG-GLY-(NH₂), on ovulation induced with LH or synthetic LH-FSH releasing hormone in chlorpromazine-treated pro-oestrous rats. Lastra M de la, et al. *J Reprod Fertil* 34:531-4, Sep 73
- Development of a Pasteurella-free rabbit colony. Ward GM. *Lab Anim Sci* 23:871-4, Oct 73
- Pituitary extracts and steroid hormones in the control of 3T3 cell growth. Armelin HA. *Proc Natl Acad Sci USA* 70:2702-6, Sep 73
- Studies on the structure and function of interstitial cell-stimulating hormone. Papkoff H, et al. *Recent Prog Horm Res* 29:563-90, 1973
- In vitro demonstration of a direct feedback of luteinizing hormone on the hypothalamus, using bovine tissue. Symington RB, et al. *S Afr Med J* 47:1731-4, 29 Sep 73
- [In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F₂alpha] Santos AA, et al. *FEBS Lett* 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)

PHYSIOLOGY

- Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
- LH and progesterone in the menstrual cycle: further observations on the relationship with the length of the luteal phase. Lepoutre L, et al. *Ann Endocrinol (Paris)* 34:327-31, May-Jun 73
- Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altweln JE, et al. *Urol Int* 28:370-6, 1973 (Eng. Abstr.) (Ger)
- [Results of the LH-RH-hypophyseal function test in women with secondary amenorrhea (author's transl)] Schneider WH, et al. *Wien Klin Wochenschr* 85:588-90, 7 Sep 73 (Eng. Abstr.) (Ger)

SECRETION

- Luteal phase defects: recognition and management. Reyniak JV. *Bull NY Acad Med* 49:974-84, Nov 73
- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
- LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J. *FEBS Lett* 35:59-62, 1 Sep 73
- Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. Boyar RM, et al. *J Clin Endocrinol Metab* 37:521-5, Oct 73
- The estimation of pituitary luteinizing hormone secretion. Rehar R, et al. *J Clin Endocrinol Metab* 37:917-27, Dec 73
- The effects of synthetic gonadotropin releasing factor on the release of luteinizing hormone and follicle-stimulating hormone from ovine pituitary tissue in vitro. Crighton DB. *J Endocrinol* 58:387-91, Sep 73
- Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al. *J Endocrinol* 58:377-85, Sep 73
- The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73
- The specificity of an ovine pituitary incubation system linked with gonadotropin assays for detecting gonadotropin releasing activity. Hartley BM, et al. *J Endocrinol* 58:363-75, Sep 73
- Prostaglandin F2 alpha and the release of LH in sheep. Carlson JC, et al. *J Reprod Fertil* 34:357-61, Aug 73
- Evidence for photoperiodic control of prolactin release in rams. Pelletier J. *J Reprod Fertil* 35:143-7, Oct 73
- Letter: Suppression of the cyclic surge of luteinizing hormone secretion and of ovulation in the rat by delta 1-tetrahydrocannabinol. Nir I, et al. *Nature* 243:470-1, 22 Jun 73
- Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. Zárate A, et al. *Obstet Gynecol* 42:507-10, Oct 73
- Effect of estradiol on the response to LH-RH in male rats at different times after castration. Debeljuk L, et al. *Proc Soc Exp Biol Med* 143:1164-7, Sep 73
- Neurovascular regulation of the anterior hypophysis. Porter JC, et al. *Recent Prog Horm Res* 29:161-98, 1973
- In vitro demonstration of a direct feedback of luteinizing hormone on the hypothalamus, using bovine tissue. Symington RB, et al. *S Afr Med J* 47:1731-4, 29 Sep 73
- [Influence of synthetic LH-RH on gonadotropin release under treatment with an oral contraceptive] Becker H, et al. *Klin Wochenschr* 51:159-61, 1 Aug 73 (Ger)
- [Effects of short- and long-term administration of synthetic FSH- and LH-releasing hormone on the parameters assessing menstrual function in women with secondary amenorrhea] Schneider WH, et al. *Wien Klin Wochenschr* 85:554-8, 17 Aug 73 (Eng. Abstr.) (Ger)
- [Activity of prolidonylpeptidase in women] Helmraht T. *Ginek Pol* 44:941-2, Aug 73 (Pol)
- [Role of various portions of the amygdaloid complex in the action of various cholinolytics and estrogens on the gonadotropin function of the hypophysis] Bekhereva EP.

Probl Endokrinol (Mosk) 19:43-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction. Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73

URINE

- Effect of oral cyproterone acetate on urinary FSH and LH levels in males being treated for hypersexuality. Marcus AW. *J Reprod Fertil* 33:356-7, May 73
- Immunization of female hahoons with hapten-coupled gonadotropins. Stevens VC. *Obstet Gynecol* 42:496-506, Oct 73
- [Functional state of the hypothalamo-hypophyseal-ovarian system in myasthenia] Manulova IA, et al. *Sov Med* 36:12-7, Jun 73 (Eng. Abstr.) (Rus)

LIPOTROPIN

ANALYSIS

- Action of plasmin on ovine beta-lipotropin: revision of the carboxyl terminal sequence. Gráf L, et al. *Biochem Biophys Res Commun* 53:1304-9, 21 Aug 73

MENOTROPINS

ADMINISTRATION & DOSAGE

- Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis. Bergadá C, et al. *J Clin Endocrinol Metab* 37:935-43, Dec 73
- A study on the monitoring of gonadotropin therapy by the assay of plasma oestradiol and progesterone. Shaahan MM, et al. *J Obstet Gynaecol Br Commonw* 80:783-93, Sep 73

ADVERSE EFFECTS

- Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Turksoy RN. *Semin Drug Treat* 3:177-88, Autumn 73

PHARMACODYNAMICS

- The infertile woman. Kistner W. *Am J Nurs* 73:1937-43, Nov 73
- Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
- Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. Bettendorf G, et al. *Endocrinol Exp (Bratisl)* 7:215-20, Sep 73
- Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis. Bergadá C, et al. *J Clin Endocrinol Metab* 37:935-43, Dec 73
- Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Turksoy RN. *Semin Drug Treat* 3:177-88, Autumn 73

THERAPEUTIC USE

- Premature ovarian failure. Starup J, et al. *Acta Obstet Gynecol Scand* 52:259-68, 1973
- Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
- Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
- Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. Bettendorf G, et al. *Endocrinol Exp (Bratisl)* 7:215-20, Sep 73
- The causes of sterility in females with familial Mediterranean fever. Ismajovich B, et al. *Fertil Steril* 24:844-7, Nov 73
- Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA. *J Am Osteopath Assoc* 73:35-8, Sep 73
- A study on the monitoring of gonadotropin therapy by the assay of plasma oestradiol and progesterone. Shaahan MM, et al. *J Obstet Gynaecol Br Commonw* 80:783-93, Sep 73

[Diagnosis and therapy of infertility in the male]
Petres J, et al.
Munch Med Wochenschr 115:1175-82, 22 Jun 73 (Eng. Abstr.) (Ger)

MSH

13C nuclear magnetic resonance studies of the conformation of the X-pro bond in the oligopeptide hormones, thyrotropin-releasing hormone, luteinizing hormone-releasing factor, angiotensin and melanocyte-stimulating hormone release-inhibiting factor. Deslauriers R, et al.
Biochem Biophys Res Commun 53:244-50, 2 Jul 73
Intramolecular motion in peptide determined by 13C NMR: a spin-lattice relaxation time-study on MSH-release-inhibiting factor. Deslauriers R, et al.
FEBS Lett 37:27-32, 15 Nov 73

ADMINISTRATION & DOSAGE

Alpha-MSH stimulation of growth hormone release.
Strauch G, et al.
J Clin Endocrinol Metab 37:990-3, Dec 73

ANALYSIS

Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al.
J Endocrinol 59:43-55, Oct 73
Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)
[Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al.
C R Acad Sci [D] (Paris) 276:2179-82, 2 Apr 73 (Fre)

ANTAGONISTS & INHIBITORS

Dopamine synthesis: stimulation by a hypothalamic factor. Friedman E, et al. Science 182:831-2, 23 Nov 73

BLOOD

Radiolimmunoassay of melanocytes-stimulating hormone (beta-MSH) in human plasma. Donnadieu M, et al. Biomedicine [Express] 19:272-4, 20 Jun 73

ISOLATION & PURIFICATION

Separation of antibody-bound and free 125I-labelled beta-melanocyte-stimulating hormone. Plummer NA, et al. J Endocrinol 59:197-8, Oct 73

PHARMACODYNAMICS

Ouabain-induced seizures in rats: modification by melatonin and melanocyte-stimulating hormone. Izumi K, et al.
Can J Physiol Pharmacol 51:572-8, Aug 73
Alpha-MSH stimulation of growth hormone release. Strauch G, et al.
J Clin Endocrinol Metab 37:990-3, Dec 73
Possible role of MSH in the mammal. Thody AJ, et al. Nature 245:207-9, 28 Sep 73
Neuroendocrine influences on visual discrimination and reversal learning in the albino and hooded rat. Sandman CA, et al. Physiol Behav 11:613-7, Nov 73

PHYSIOLOGY

The role of melanophore-stimulating hormone in melanogenesis in the dogfish, Scyllorhinus canicula L. Willson JF, et al. J Endocrinol 58:685-8, Sep 73
The role of the pineal complex and lateral eyes in the colour change response of the dogfish, Scyllorhinus canicula L. Willson JF, et al.
J Endocrinol 58:591-8, Sep 73
Letter: Possible control of luteinizing-hormone-releasing hormone by enzymatic degradation. Griffiths EC, et al. Lancet 2:862, 13 Oct 73
Letter: Lactation, sebium excretion and melanocyte-stimulating hormone. Burton JL, et al. Nature 243:349-50, 8 Jun 73

SECRETION

Tannic acid-induced alterations in mouse growth and

pituitary melanocyte-stimulating hormone activity. Peaslee MH, et al.
Toxicol Appl Pharmacol 25:507-14, Aug 73
[Symptoms and treatment of para-neoplastic endocrine diseases] Raitb L.
Munch Med Wochenschr 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)

NEUROPHYSINS

Complex formation between bovine neurophysin-I and oxytocin, vasopressin, and tripeptide analogs of their NH2-terminal region. Absorbance and circular dichroism difference spectroscopic studies. Griffin JH, et al. J Biol Chem 248:7975-8, 10 Dec 73

ANALYSIS

Purification and partial chemical characterization of sheep neurophysin. Chrétien M, et al.
Acta Endocrinol (Kbh) 74:226-36, Oct 73
Neurophysin in women during oxytocin-related events. Robinson AG, et al.
J Clin Endocrinol Metab 37:645-52, Nov 73
The designation of the major guinea-pig neural lobe protein as a neurophysin. Watkins WB, et al.
J Endocrinol 59:31-41, Oct 73
Vasopressin and neurophysin: high concentrations in monkey hypophyseal portal blood. Zimmerman EA, et al. Science 182:925-7, 20 Nov 73

BLOOD

Neurophysin in women during oxytocin-related events. Robinson AG, et al.
J Clin Endocrinol Metab 37:645-52, Nov 73
Vasopressin and neurophysin: high concentrations in monkey hypophyseal portal blood. Zimmerman EA, et al. Science 182:925-7, 20 Nov 73

ISOLATION & PURIFICATION

Purification and partial chemical characterization of sheep neurophysin. Chrétien M, et al.
Acta Endocrinol (Kbh) 74:226-36, Oct 73
The isolation and biochemical characterization of three neurophysins of the sheep. Watkins WB.
J Endocrinol 59:17-29, Oct 73

PHYSIOLOGY

[Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Dreifuss JJ.
J Physiol (Paris) 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)

OXYTOCICS

Experimental studies of sparteine sulphate on strips of human uterus. Garg KN, et al.
Jap J Pharmacol 23:195-200, Apr 73

CHEMICAL SYNTHESIS

Angiotensin II. Synthesis and biological activity of 6-(1-methylhistidine) and 6-(3-methylhistidine) analogs. Needleman P, et al.
J Med Chem 16:968-70, Sep 73

ISOLATION & PURIFICATION

Isolation of oxytocic peptides from Oldenlandia affinis by solvent extraction of tetraphenylborate complexes and chromatography on sephadex LH-20. Grain L. Lloydla 36:207-8, Jun 73
Oxytocic principles of Oldenlandia affinis. Grain L. Lloydla 36:174-8, Jun 73

PHARMACODYNAMICS

Angiotensin II. Synthesis and biological activity of 6-(1-methylhistidine) and 6-(3-methylhistidine) analogs. Needleman P, et al.
J Med Chem 16:968-70, Sep 73
Isolation of oxytocic peptides from Oldenlandia affinis by solvent extraction of tetraphenylborate complexes and chromatography on sephadex LH-20. Grain L. Lloydla 36:207-8, Jun 73
Oxytocic principles of Oldenlandia affinis. Grain L. Lloydla 36:174-8, Jun 73

PITUITARY

OXYTOCIN

- Active management of labour.
Br Med J 3:539-40, 8 Sep 73
 Solid state conformation of the C-terminal tripeptide of oxytocin, L-Pro-L-Leu-Gly-NH₂ 0.5H₂O. Reed LL, et al. *J Am Chem Soc* 95:7523-4, 31 Oct 73
 Complex formation between bovine neurophysin-I and oxytocin, vasopressin, and tripeptide analogs of their NH₂-terminal region. Absorbance and circular dichroism difference spectroscopic studies. Griffin JH, et al. *J Biol Chem* 248:7975-8, 10 Dec 73
 The isolation and biochemical characterization of three neurophysins of the sheep. Watkins WB. *J Endocrinol* 59:17-29, Oct 73
 The effect of continuous epidural blockade on plasma 11-hydroxycorticosteroid concentrations in labour. Buchan PC, et al.
J Obstet Gynaecol Br Commonw 80:974-7, Nov 73
 E prostaglandins in amniotic fluid during late pregnancy and labour. Keirse MJ, et al.
J Obstet Gynaecol Br Commonw 80:970-3, Nov 73
 Endometrial sarcoma causing obstructed labour. Nye EB.
J Obstet Gynaecol Br Commonw 80:999-1001, Nov 73

ADMINISTRATION & DOSAGE

- Induction of labor by huccal administration of oxytocin: review of 50 cases. Miller GW.
J Am Osteopath Assoc 72:1110-3, Jul 73
 Controlled oxytocin flow rate in the induction of labor. Anderson CA. *Obstet Gynecol* 42:733-7, Nov 73
 Letter: Tubal ligation vs cesarean hysterectomy. Tweedale PG, et al. *Obstet Gynecol* 42:828-9, Oct 73
 [Enzyme histochemical studies on the rat hypothalamus following administration of oxytocin] Lüth J, et al.
Acta Biol Med Ger 30:647-56, May 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

- Letter: Neonatal jaundice and maternal oxytocin infusion. Davidson DC, et al. *Br Med J* 4:106-7, 13 Oct 73
 Letter: Neonatal jaundice and maternal oxytocin infusion. *Br Med J* 3:636-7, 22 Sep 73
 Rupture of a caesarean section scar in the second trimester of pregnancy. Abell DA, et al.
S Afr Med J 47:1962-4, 20 Oct 73

ANALYSIS

- The distribution of vasopressin and oxytocin in the hypothalamoneurohypophyseal system of the guinea-pig. Bisset GW, et al.
Br J Pharmacol 48:263-72, Jun 73
 Possible cause of infertility—a pharmacological approach. Batta SK, et al.
Indian J Physiol Pharmacol 17:87-90, Jan-Mar 73

BLOOD

- Comparative experiments on the urinary excretion of exogenous oxytocin and vasopressin. Jensen SE, et al.
Acta Endocrinol (Kbh) 73:643-50, Aug 73
 The maintenance of pregnancy, and parturition, in guinea-pigs hypophysectomized within 4 days of mating. Illingworth DV, et al.
J Endocrinol 59:163-9, Oct 73
 Release of an oxytocic substance following genital stimulation in bulls. Sharma OP, et al.
J Reprod Fertil 35:359-62, Nov 73

CHEMICAL SYNTHESIS

- Synthesis and some pharmacological properties of (1-deamino,9-thioglycine)oxytocin. Jones WC Jr, et al.
J Am Chem Soc 95:5677-9, 22 Aug 73

DIAGNOSTIC USE

- Foetal quality preserved in cephalopelvic disproportion in the primigravida. Philpott RH.
S Afr Med J 47:2021-5, 27 Oct 73

ISOLATION & PURIFICATION

- The distribution of vasopressin and oxytocin in the hypothalamoneurohypophyseal system of the

guinea-pig. Bisset GW, et al.
Br J Pharmacol 48:263-72, Jun 73

METABOLISM

- The lung in relation to vasoactive hormones. Sald SI.
Fed Proc 32:1972-6, Sep 73 (53 ref.)

PHARMACODYNAMICS

- Reactivity of the uterine arteries in the rat during oestrus and pregnancy. Csépl J, et al.
Acta Chir Acad Sci Hung 14:153-64, 1973
 Effect of locally implanted oestrogen on the response of the rat's lactating mammary gland to oxytocin. Bruce JD, et al.
Acta Endocrinol (Kbh) 73:700-12, Aug 73
 Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants; effects of oxytocin. Bruce JD, et al.
Acta Endocrinol (Kbh) 73:713-20, Aug 73
 Substrate requirements for the oxytocin-induced motility of isolated rat uterus. Goldralj A, et al.
Acta Physiol Lat Am 23:113-23, 1973
 Relaxin in porcine corpora lutea during pregnancy and after hysterectomy. Anderson LL, et al.
Am J Physiol 225:1215-9, Nov 73
 Myotonic effect of bovine follicular fluid on estrous and diestrous rat uteri in vitro and on ovine mammary gland in vivo. Eller H, et al.
Am J Vet Res 34:1267-70, Oct 73
 Sulphur as a nutrient for Merino sheep. 1. Storage of sulphur in tissues and wool, and its secretion in milk. Langlands JP, et al. *Br J Nutr* 30:529-35, Nov 73
 Effect of intraperitoneal administration of (+)-INPEA on oxytocin and prostaglandin evoked responses of the isolated rat uterus. Rao VS, et al.
Br J Pharmacol 48:344P-345P, Jun 73
 Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al.
Can J Physiol Pharmacol 51:737-42, Oct 73
 Effects of diphenylhydantoin on transport processes in frog skin (*Rana ridibunda*). Sousa RC de, et al.
Experientia 29:1097-8, 15 Sep 73
 The production of cAMP by toad bladder, and its effects on transport of water and salt. Ferguson DR, et al.
FEBS Lett 34:207-12, 15 Aug 73
 Monkey ovarian contractility—its relationship to ovulation. Virutamasen P, et al.
Fertil Steril 24:763-71, Oct 73
 Synthesis and some pharmacological properties of (1-deamino,9-thioglycine)oxytocin. Jones WC Jr, et al.
J Am Chem Soc 95:5677-9, 22 Aug 73
 The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. Hartley BM, et al.
J Endocrinol 58:363-75, Sep 73
 The effects of oxytocin and vasopressin during the oestrous cycle and pregnancy on the uterus of a marsupial species, the quokka (*Setonix brachyurus*). Heller H. *J Endocrinol* 58:657-71, Sep 73
 A study of cervical vibration in induced labour. Beard R, et al.
J Obstet Gynaecol Br Commonw 80:966-9, Nov 73
 Letter: Orgasm-induced abortion. Kieve JP.
Lancet 2:970, 27 Oct 73
 Letter: Uterine activity following intravenous administration of oxytocin to foetal sheep. Nathanielsz PW, et al. *Nature* 243:471-2, 22 Jun 73
 Possible role of MSH in the mammal. Thody AJ, et al.
Nature 245:207-9, 28 Sep 73
 The actions of drugs on the smooth muscle of the capsule and blood vessels of the spleen. Davies BN, et al. *Pharmacol Rev* 25:373-413, Sep 73 (262 ref.)
 Responses of rat kidney and toad bladder to the pentapeptide ring structures of neurohypophyseal hormones. Chan WY, et al.
Proc Soc Exp Biol Med 143:954-8, Sep 73
 [Enzyme histochemical studies on the rat hypothalamus following administration of oxytocin] Lüth J, et al.
Acta Biol Med Ger 30:647-56, May 73 (Eng. Abstr.) (Ger)
 [Mechanism of the polyuric phase of the action of neurohypophyseal hormones] Berklin EB.
Fiziol Zh SSSR 59:652-7, Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Neurophysin in women during oxytocin-related events.

Robinson AG, et al.
J Clin Endocrinol Metab 37:645-52, Nov 73

SECRETION

Functional integrity of the oxytocin-releasing reflex in goats: dependence on estrogen. Roberts JS.
Endocrinology 93:1309-14, Dec 73
[Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Dreifuss JJ.
J Physiol (Paris) 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)

THERAPEUTIC USE

The influence of uterine motility upon cervical dilatation in labor. Lindgren L.
Am J Obstet Gynecol 117:530-6, 15 Oct 73
Experience with intra-amniotic prostaglandin F2 alpha for abortion. Wentz AC, et al.
Am J Obstet Gynecol 117:513-21, 15 Oct 73
Application of the potentiating effect of prostaglandin E2 and oxytocin to induced second trimester abortion. Alderman B, et al.
J Obstet Gynaecol Br Commonw 80:1021-4, Nov 73
The induction of second trimester abortions using an intra-amniotic injection of urea and prostaglandin E2. Bowen-Simpkins P.
J Obstet Gynaecol Br Commonw 80:824-6, Sep 73
Editorial: Prostaglandins and the uterus.
Lancet 2:829-30, 13 Oct 73
Rupture of a caesarean section scar in the second trimester of pregnancy. Abell DA, et al.
S Afr Med J 47:1982-4, 20 Oct 73
Foetal quality preserved in cephalopelvic disproportion in the primigravida. Philpott RH.
S Afr Med J 47:2021-5, 27 Oct 73

URINE

Comparative experiments on the urinary excretion of exogenous oxytocin and vasopressin. Jensen SE, et al.
Acta Endocrinol (Kbh) 73:643-50, Aug 73

PHELYPRESSIN

Editorial: Vasoconstrictors in local anesthetic.
Aust Dent J 18:191-2, Jun 73

PITUITARY HORMONES

[The effect of nonsteroid treatment on the histologic structure of mastopathic breast tissue (author's transl)] Márton Z, et al.
Arch Geschwulstforsch 41:359-62, 1973 (Ger)

ANALYSIS

[Acromegaly-gigantism. Clinical and biological study] Somma M, et al.
Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)

METABOLISM

The hypothalamic areas involved in the control of mammothrophic and lactotrophic processes in sheep. Domański E, et al.
Endocrinol Exp (Bratisl) 7:229-46, Sep 73

PHARMACODYNAMICS

Possible role of MSH in the mammal. Thody AJ, et al.
Nature 245:207-9, 28 Sep 73

PHYSIOLOGY

Adaptations of the digestive tract during reproduction in the mammal. Fell BF.
World Rev Nutr Diet 14:180-256, 1972 (388 ref.)

PITUITARY HORMONES, ANTERIOR

ANALYSIS

[Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al.
C R Acad Sci [D] (Paris) 276:2179-82, 2 Apr 73 (Fre)

ISOLATION & PURIFICATION

Separation of some pituitary proteohormones by disc-electrophoresis. Knopp J, et al.
Endocrinol Exp (Bratisl) 7:203-6, Sep 73

THERAPEUTIC USE

[Clinical research on a biological preparation with stimulating effect on the adrenocortical secretion] Mascaretti L. Minerva Med 64:2365-70, 1973 (Ita)

PITUITARY HORMONES, POSTERIOR

ADMINISTRATION & DOSAGE

Pituitrin as an adjuvant to water drinking in chronic simple glaucoma. el-Shewy TM.
Exp Eye Res 17:1-4, 10 Oct 73
Blood flow measurement with the spillover technique during intra-arterial drug infusions. Athanasoulis CA, et al. Radiology 109:717-9, Dec 73

DIAGNOSTIC USE

Pituitrin as an adjuvant to water drinking in chronic simple glaucoma. el-Shewy TM.
Exp Eye Res 17:1-4, 10 Oct 73

PHARMACODYNAMICS

The influence of diprydamol on changes in the heart induced with posterior pituitary extract. Wójcicki J, et al. Arch Immunol Ther Exp (Warsz) 21:653-60, 1973
Blood flow measurement with the spillover technique during intra-arterial drug infusions. Athanasoulis CA, et al. Radiology 109:717-9, Dec 73
[Mechanism of the polyuric phase of the action of neurohypophyseal hormones] Berkhin EB.
Fiziol Zh SSSR 59:652-7, Apr 73 (Eng. Abstr.) (Rus)
[Effect of actinomycin D on the stimulation of water and sodium transport with antidiuretic hormone] Lavrova EA, et al.
Probl Endokrinol (Mosk) 19:86-90, Sep-Oct 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Review of the medical management of acute variceal bleeding from the esophagus. Apesos J.
Med Ann DC 42:486-9, Oct 73 (33 ref.)
[Adipsia and Korsakoff's syndrome following hypothalamo-hypophyseal surgery for craniohypophyseal tumor. Postoperative obesity and femoral osteonecrosis] Klotz HP, et al.
Ann Endocrinol (Paris) 34:158-63, Mar-Apr 73 (Fre)

PROLACTIN

Death induced by injection stress in cold-acclimated goldfish, Carassius auratus. Umminger BL.
Comp Biochem Physiol [A] 45:883-7, 1 Jul 73
The rostral pars distalis of the pituitary gland of the freshwater and marine alewife (Alosa pseudoharengus). A light and electron microscope study. Cook H, et al.
Z Zellforsch Mikrosk Anat 141:145-59, 31 Jul 73
Histological observations on the pituitary gland and the glomerular body of the larvae of the marine teleost, Hexagrammos otakii. Ichikawa T.
Z Zellforsch Mikrosk Anat 141:493-503, 14 Aug 73
Pituitary response to environmental osmotic changes in the larval guppy, Lebistes reticulatus (Peters). Ichikawa T, et al.
Z Zellforsch Mikrosk Anat 141:161-79, 31 Jul 73
[Homotropic cooperative effects and rising B-F-curves in hormone-antibody reactions (author's transl)] Bartels HJ, et al.
Z Klin Chem Klin Biochem 11:311-8, Jul 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

Effect of intravenous prolactin infusion on arterial blood pressure in rabbits. Horrobin DF, et al.
Cardiovasc Res 7:585-7, Sep 73
Death induced by injection stress in cold-acclimated

- goldfish, *Carassius auratus*. Umminger BL.
Comp Biochem Physiol [A] 45:883-7, 1 Jul 73
 Blood serum testosterone after sexual preparation or
 ejaculation, or after injections of LH or prolactin in
 bulls. Smith OW, et al. *J Anim Sci* 37:979-84, Oct 73
 Effects of prolactin on the responses of rat aortic and
 arteriolar smooth-muscle preparations to
 noradrenaline and angiotensin. Manku MS, et al.
Lancet 2:991-4, 3 Nov 73
 [Effects of growth hormone, prolactin, and a
 combination of the two on nitrogen levels in the rat.
 Search for a cumulative effect] Elsaïr J, et al.
Ann Nutr Aliment 27:1-10, 1973 (Eng. Abstr.) (Fre)

ANALYSIS

- Comparison of the tryptic peptides of human, porcine
 and ovine prolactins. Seavey BK, et al.
Gen Comp Endocrinol 21:358-67, Oct 73
 Adenohypophysis: ultrastructural cytochemistry. A
 review. Moriarty GC.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)
 New bioassay for luteinizing hormone. Rees LH, et al.
Nature 244:232-4, 27 Jul 73
 The chemistry of growth hormone and the lactogenic
 hormones. Niall HD, et al.
Recent Prog Horm Res 29:387-416, 1973 (43 ref.)

ANTAGONISTS & INHIBITORS

- Effects of prolactin on the responses of rat aortic and
 arteriolar smooth-muscle preparations to
 noradrenaline and angiotensin. Manku MS, et al.
Lancet 2:991-4, 3 Nov 73

BIOSYNTHESIS

- Binding of a tritiated thyrotropin-releasing factor to a
 prolactin secreting clonal cell line (GH3). Gourdji D,
 et al. *Exp Cell Res* 82:39-46, Nov 73
 Prolactin production by monkey (*Macaca mulatta*)
 anterior pituitaries cultured in vitro. Gala RR.
Horm Res 4:157-68, 1973

BLOOD

- Changes in plasma levels of prolactin and LH induced
 by luteolytic or luteotrophic treatment in intact
 cycling sheep after section of the pituitary stalk. Kann
 G, et al. *Acta Endocrinol (Kbh)* 73:325-34, Aug 73
 Physiologic and pathologic profiles of circulating
 human prolactin. Jaffe RB, et al.
Am J Obstet Gynecol 117:757-73, 15 Nov 73
 Plasma prolactin changes following cortical spreading
 depression in female rats. Colombo JA, et al.
Am J Physiol 225:766-9, Oct 73
 Editorial: Sleep and metabolism.
Br Med J 3:850, 29 Sep 73
 Serum and pituitary prolactin changes in the
 band-tailed pigeon (*Columba fasciata*) in relation to
 the reproductive cycle. March GL, et al.
Can J Physiol Pharmacol 51:583-9, Aug 73
 Radioimmunoassay for human pituitary prolactin,
 using antiserum against an extract of human amniotic
 fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
 Effect of nonsuckling period on pituitary prolactin
 secretory activity in rats. Yanal R, et al.
Horm Res 4:169-76, 1973
 Blood serum testosterone after sexual preparation or
 ejaculation, or after injections of LH or prolactin in
 bulls. Smith OW, et al. *J Anim Sci* 37:979-84, Oct 73
 Estrogen potentiation of phenothiazine-induced
 prolactin secretion in man. Buckman MT, et al.
J Clin Endocrinol Metab 37:977-80, Dec 73
 Effect of apomorphine on growth hormone, prolactin,
 luteinizing hormone and follicle-stimulating hormone
 levels in human serum. Lal S, et al.
J Clin Endocrinol Metab 37:719-24, Nov 73
 Prolactin and growth hormone release in response to
 sequential stimulation by arginine and synthetic TRF.
 Rakoff JS, et al.
J Clin Endocrinol Metab 37:841-4, Nov 73
 Inhibition of growth hormone release in humans by
 somatostatin. Siler TM, et al.
J Clin Endocrinol Metab 37:632-4, Oct 73
 Effects of coitus on gonadotropin, prolactin and sex
 steroid levels in man. Stearns EL, et al.
J Clin Endocrinol Metab 37:887-91, Nov 73
 Functional evaluation of pituitary reserve in patients
 with the amenorrhea-galactorrhea syndrome utilizing

- luteinizing hormone-releasing hormone (LH-RH),
 L-dopa and chlorpromazine. Zárate A, et al.
J Clin Endocrinol Metab 37:855-9, Dec 73
 Prolactin release induced by synthetic thyrotrophin
 releasing factor in female rats. Dels RP, et al.
J Endocrinol 58:673-4, Sep 73
 Changes in concentration of prolactin and adrenal
 corticosteroids in rat plasma during pregnancy and
 lactation. Simpson AA, et al.
J Endocrinol 58:675-6, Sep 73
 Y to X translocation in a woman with reproductive
 failure. A new rearrangement. Khudr G, et al.
JAMA 228:544-9, 29 Oct 73
 Effects of prolactin on the responses of rat aortic and
 arteriolar smooth-muscle preparations to
 noradrenaline and angiotensin. Manku MS, et al.
Lancet 2:991-4, 3 Nov 73
 In vivo stimulation of prolactin release in the rat by
 synthetic TRH. Mueller GP, et al.
Proc Soc Exp Biol Med 144:613-5, Nov 73
 Pup survival and prolactin levels in nicotine-treated
 lactating rats. Terkel J, et al.
Proc Soc Exp Biol Med 143:1131-5, Sep 73
 Effect of hypothalamic extract on serum prolactin
 levels 24 hr following forebrain removal. Turpen C, et
 al. *Proc Soc Exp Biol Med* 144:651-3, Nov 73
 Effect of active immunisation against
 testosterone-3-BSA on circulating levels of
 testosterone, LH, prolactin and testosterone antibody
 titre in the male rat. Hillier SG, et al.
Steroids 22:227-38, Aug 73
 [Simultaneous study of circadian variations of blood
 thyrotrophin (TSH) and pituitary prolactin levels in
 man] Vanhaelst ML, et al.
C R Acad Sci [D] (Paris) 276:1875-7, 19 Mar 73 (Fre)
 [Editorial: Anatomical and physiopathological
 diagnosis of pituitary adenoma. Contribution of
 current anterior pituitary functions tests] Mornex R,
 et al. *Nouv Presse Med* 2:2169-72, 22 Sep 73 (Fre)
 [The effect of nonsteroid treatment on the histologic
 structure of mastopathic breast tissue (author's
 transl)] Márton Z, et al.
Arch Geschwulstforsch 41:359-62, 1973 (Ger)
 [Effects of synthetic TRH on human prolactin (HPr)
 secretion] Kato Y, et al.
Folia Endocrinol Jap 49:1215-22, 20 Sep 73 (Eng.
 Abstr.) (Jap)

CHEMICAL SYNTHESIS

- The chemistry of growth hormone and the lactogenic
 hormones. Niall HD, et al.
Recent Prog Horm Res 29:387-416, 1973 (43 ref.)

ISOLATION & PURIFICATION

- The chemistry of growth hormone and the lactogenic
 hormones. Niall HD, et al.
Recent Prog Horm Res 29:387-416, 1973 (43 ref.)

METABOLISM

- Differential requirement for prolactin during
 pregnancy in the mouse. Bartke A.
Biol Reprod 9:379-83, Nov 73
- ✓ Serum and pituitary prolactin changes in the
 band-tailed pigeon (*Columba fasciata*) in relation to
 the reproductive cycle. March GL, et al.
Can J Physiol Pharmacol 51:583-9, Aug 73
 The hypothalamic areas involved in the control of
 mammatrophic and lactotrophic processes in sheep.
 Domański E, et al.
Endocrinol Exp (Bratisl) 7:229-46, Sep 73

PHARMACODYNAMICS

- Differential requirement for prolactin during
 pregnancy in the mouse. Bartke A.
Biol Reprod 9:379-83, Nov 73
 Changes in acidic chromatin proteins during mammary
 cell differentiation. Kadohama N, et al.
Can J Biochem 51:1167-76, Aug 73
 Effect of intravenous prolactin infusion on arterial
 blood pressure in rabbits. Horrobin DF, et al.
Cardiovasc Res 7:585-7, Sep 73
 Somatotrophic effects of prolactin and growth hormone
 in juvenile snapping turtles (*Chelydra serpentina*).
 Nichols CW Jr. *Gen Comp Endocrinol* 21:219-24, Oct 73
 Effects of pituitary hormones, melatonin, and thyroidal
 inhibitors on radioliodide uptake by the thyroid glands

- of larval and adult tiger salamanders, *Ambystoma tigrinum* (Amphibia: Caudata). Norris DO, et al. *Gen Comp Endocrinol* 21:388-76, Oct 73
- Role of adrenal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). Silver R, et al. *J Comp Physiol Psychol* 84:453-63, Sep 73
- Effects of prolactin on the responses of rat aortic and arteriolar smooth-muscle preparations to noradrenaline and angiotensin. Manku MS, et al. *Lancet* 2:991-4, 3 Nov 73
- Luteal regression with rat prolactin. Macdonald GJ, et al. *Proc Soc Exp Biol Med* 143:1031-3, Sep 73
- Growth hormone modulation of liver drug metabolic enzyme activity in the rat. II. Specificity of the hormone effect. Wilson JT, et al. *Proc Soc Exp Biol Med* 143:978-85, Sep 73
- Hormonal regulation of gene expression in mammary cells. Turkington RW, et al. *Recent Prog Horm Res* 29:417-55, 1973 (70 ref.)
- A difference in the in vitro accumulation and metabolism of testosterone-1,2-³H by the rat prostate gland following incubation with ovine or bovine prolactin. Lloyd JW, et al. *Steroids* 22:473-83, Oct 73
- [Effects of growth hormone, prolactin, and a combination of the two on nitrogen levels in the rat. Search for a cumulative effect] Elsaïr J, et al. *Ann Nutr Aliment* 27:1-10, 1973 (Eng. Abstr.) (Fre)
- [Methods and application of the organ culture technique in clinical and experimental cancer research (author's transl)] Matthias M. *Arch Geschwulstforsch* 41:382-97, 1973 (150 ref.) (Eng. Abstr.) (Ger)

PHYSIOLOGY

- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Growth hormone and prolactin in unipolar and bipolar depressed patients: responses to hypoglycemia and L-dopa. Sachar EJ, et al. *Am J Psychiatry* 130:1362-7, Dec 73
- The hypothalamic areas involved in the control of mammatrophic and lactotrophic processes in sheep. Domański E, et al. *Endocrinol Exp (Bratisl)* 7:229-46, Sep 73
- Effects of prolactin on the responses of rat aortic and arteriolar smooth-muscle preparations to noradrenaline and angiotensin. Manku MS, et al. *Lancet* 2:991-4, 3 Nov 73

SECRETION

- Ultrastructure of a transplantable, mammosomatotropic pituitary tumor (Mt-W10). Nakayama I, et al. *Acta Pathol Jap* 23:237-48, May 73
- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Plasma prolactin changes following cortical spreading depression in female rats. Colombo JA, et al. *Am J Physiol* 225:766-9, Oct 73
- Letter: Breast cancer regression under oestrogen therapy. Garcia Webb P, et al. *Br Med J* 4:419-20, 17 Nov 73
- Endocrine spotlights on brain and behaviour. Clegborn JM. *Can Psychiatr Assoc J* 18:449-51, Oct 73
- Prophylaxis of spontaneously developing mammary carcinoma in C3H-Hed female mice by suppression of prolactin. Welsch CW, et al. *Cancer Res* 33:2939-46, Nov 73
- Effect of nonsuckling period on pituitary prolactin secretory activity in rats. Yanai R, et al. *Horm Res* 4:169-76, 1973
- Prolactin release induced by synthetic thyrotrophin releasing factor in female rats. Dels RP, et al. *J Endocrinol* 58:673-4, Sep 73
- Evidence for photoperiodic control of prolactin release in rats. Pelletier J. *J Reprod Fertil* 35:143-7, Oct 73
- Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammatropic, ACTH-secreting pituitary tumor. De Nicola AF, et al. *J Steroid Biochem* 4:407-16, Jul 73
- [Neuro-hormonal control of the secretion of the p.l.f. (author's transl)] Marchandise B. *Ann Endocrinol (Paris)* 34:308-10, May-Jun 73 (Fre)
- [Effect of 2-Br-alpha-ergocryptine (CB 154) on the secretion of prolactin in Anguilla] Olivereau M, et al. *C R Acad Sci [D] (Paris)* 278:1883-6, 19 Mar 73 (Fre)
- [Symptoms and treatment of para-neoplastic endocrine

- diseases] Raith L. *Munch Med Wochenschr* 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)
- [Hyperplasia of prolactin cells after estrogen therapy in carcinoma of the prostate (author's transl)] Hachmeister U. *Verh Dtsch Ges Kreislaufrorsch* 56:535-9, 1972 (Eng. Abstr.) (Ger)
- [Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al. *Folia Endocrinol Jap* 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

- Differential requirement for prolactin during pregnancy in the mouse. Bartke A. *Biol Reprod* 9:379-83, Nov 73

SOMATOTROPIN

- Some actions of growth hormone release inhibiting factor. Hansen AP, et al. *Br Med J* 3:523-4, 8 Sep 73
- Increased production of fructose by the brain in dogs made diabetic by alloxan and by growth hormone. Spinowitz BS, et al. *Diabetes* 22:820-4, Nov 73
- Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
- Prolactin production by monkey (*Macaca mulatta*) anterior pituitaries cultured in vitro. Gala RR. *Horm Res* 4:157-68, 1973
- Histological and ultrastructural studies in isolated growth hormone deficiency. Rimoin DL, et al. *J Clin Endocrinol Metab* 37:725-35, Nov 73
- Histological observations on the pituitary gland and the glomerular body of the larvae of the marine teleost, *Hexagrammos otakii*. Ichikawa T. *Z Zellforsch Mikrosk Anat* 141:493-503, 14 Aug 73
- Pituitary response to environmental osmotic changes in the larval guppy, *Lebistes reticulatus* (Peters). Ichikawa T, et al. *Z Zellforsch Mikrosk Anat* 141:161-79, 31 Jul 73
- [Experience with the treatment of acromegaly using medroxyprogesterone acetate] Linquette M, et al. *Ann Endocrinol (Paris)* 34:220-1, Mar-Apr 73 (Fre)
- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murle N, et al. *Ann Endocrinol (Paris)* 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [The year in endocrinology] Albeaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)

ADMINISTRATION & DOSAGE

- Oxandrolone and human growth hormone. Comparison of growth-stimulating effects in short children. Raiti S, et al. *Am J Dis Child* 126:597-600, Nov 73
- Metabolic effects of plasmin digests of human growth hormone in the rat and man. Mills JB, et al. *J Clin Invest* 52:2941-51, Nov 73
- Effect of growth hormone on plasma triglycerides in man. Azizi F, et al. *Proc Soc Exp Biol Med* 143:1187-90, Sep 73
- [Development of free fatty acid and reducing sugar contents in plasma of hypophysectomized rabbits during treatment with porcine and bovine somatotropin] Vézinhiet A, et al. *Ann Biol Anim Biochim Biophys* 12:431-40, 1972 (Eng. Abstr.) (Fre)
- [Effects of growth hormone, prolactin, and a combination of the two on nitrogen levels in the rat. Search for a cumulative effect] Elsaïr J, et al. *Ann Nutr Aliment* 27:1-10, 1973 (Eng. Abstr.) (Fre)

ANALYSIS

- Radioimmunoassay data handling. Widman JC, et al. *Am J Clin Pathol* 60:480-6, Oct 73
- Repeated purifications of (125I)HGH for radioimmunoassay. Keret R, et al. *Clin Chim Acta* 47:21-6, 17 Aug 73
- The primary structure of bovine growth hormone. Wallis M. *FEBS Lett* 35:11-4, 1 Sep 73
- The amino acid sequence of equine growth hormone. Zakim MM, et al. *FEBS Lett* 34:353-5, 15 Aug 73
- Neurophysin in women during oxytocin-related events. Robinson AG, et al. *J Clin Endocrinol Metab* 37:645-52, Nov 73

- A simple method for the extraction and purification of human growth hormone and its assay by paper chromatography. Stroud SW, et al.
J Clin Endocrinol Metab 37:860-6, Dec 73
- Immunologic and physical characterization of human chorionic gonadotropin (hCG) secreted by tumors. Valtukaitis JL.
J Clin Endocrinol Metab 37:505-14, Oct 73
- Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)
- T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. AvRuskin TW, et al.
Pediatrics 52:649-52, Nov 73
- The chemistry of growth hormone and the lactogenic hormones. Niall HD, et al.
Recent Prog Horm Res 29:387-416, 1973 (43 ref.)
- [Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al.
CR Acad Sci [D] (Paris) 276:2179-82, 2 Apr 73 (Fre)
- [Acromegaly-gigantism. Surgical treatment by transphenoidal exeresis of the pituitary adenoma. Postoperative clinical and biological evaluation and therapeutic results] Somma M, et al.
Neurochirurgie 19:Suppl 2:101-16, May 73 (Eng. Abstr.) (Fre)
- [Growth hormone and insulin studies in atrophy caused by nervous system diseases] Kerpel-Fronius O, et al.
Orv Hetil 114:2710-6, 11 Nov 73 (Hum)
- [Radioimmunochemical determination of proteo-hormones] Vigaš M.
Bratisl Lek Listy 60:109-16, Jul 73 (Eng. Abstr.) (Slo)

ANTAGONISTS & INHIBITORS

- Solid phase synthesis of growth hormone-release inhibiting factor. Coy DH, et al.
Biochem Biophys Res Commun 54:1267-73, 15 Oct 73
- Synthesis of a peptide with full somatostatin activity. Yamashiro D, et al.
Biochem Biophys Res Commun 54:882-8, 1 Oct 73
- Inhibition of growth hormone release in humans by somatostatin. Siler TM, et al.
J Clin Endocrinol Metab 37:832-4, Oct 73
- Inhibition of insulin secretion by somatostatin. Alberti KG, et al. *Lancet* 2:1299-301, 8 Dec 73

BIOSYNTHESIS

- Human fetal plasma growth hormone prior to the onset of labour. Effects of stress, glucose, arginine and maternal diabetes. Turner RC, et al.
Biol Neonate 22:169-76, 1973
- Growth hormone and premature ageing. Shire JG.
Nature 245:215-6, 28 Sep 73

BLOOD

- Comparison of growth acceleration of pituitary dwarfs treated with anabolic steroid and thyroid hormone with normal growth spurt. Harada Y, et al.
Acta Endocrinol (Kbh) 74:237-49, Oct 73
- Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al.
Acta Paediatr Scand 62:513-9, Sep 73
- Growth hormone in marasmus due to cerebral disease. Kerpel-Fronius E, et al.
Am J Dis Child 126:303-9, Sep 73
- The levodopa test of growth hormone reserve in children. Porter BA, et al.
Am J Dis Child 128:589-92, Nov 73
- Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
- Lung growth in acromegaly. Toppell KL, et al.
Am Rev Respir Dis 108:1254-8, Nov 73
- Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
- Human fetal plasma growth hormone prior to the onset of labour. Effects of stress, glucose, arginine and maternal diabetes. Turner RC, et al.
Biol Neonate 22:169-76, 1973
- Letter: Levodopa and growth hormone secretion. Colucci CF, et al. *Br Med J* 4:420, 17 Nov 73
- Some actions of growth hormone release inhibiting factor. Hansen AP, et al. *Br Med J* 3:523-4, 8 Sep 73
- Editorial: Sleep and metabolism.
Br Med J 3:650, 29 Sep 73
- Serum insulin and growth hormone response to

- arginine infusion in healthy and psoriatic persons. Hopsu-Havu VK, et al. *Dermatologica* 146:205-10, 1973
- Growth hormone responses to administration of L-5-hydroxytryptophan (L-5-HTP) in manic-depressive psychoses. Takahashi S, et al.
Folia Psychiatr Neurol Jap 27:197-206, 1973
- Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone before and after surgical treatment. Rohde W, et al. *Horm Res* 4:129-40, 1973
- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegalics. Singh P, et al. *Horm Res* 4:293-301, 1973
- Growth hormone levels in chemical diabetes. Stephan T, et al. *J Am Geriatr Soc* 21:481-5, Nov 73
- Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. I. Thyroid-stimulating hormone, growth hormone and cortisol. Alford FP, et al.
J Clin Endocrinol Metab 37:841-7, Dec 73
- Immunoreactive properties of the plasma hGH from patients with the syndrome of familial dwarfism and high plasma IR-hGH. Eshet R, et al.
J Clin Endocrinol Metab 37:819-21, Nov 73
- Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH. Hashimoto T, et al.
J Clin Endocrinol Metab 37:910-6, Dec 73
- Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al.
J Clin Endocrinol Metab 37:540-9, Oct 73
- Effect of apomorphine on growth hormone, prolactin, luteinizing hormone and follicle-stimulating hormone levels in human serum. Lal S, et al.
J Clin Endocrinol Metab 37:719-24, Nov 73
- Homeostasis during fasting. II. Hormone substrate differences between men and women. Merimee TJ, et al. *J Clin Endocrinol Metab* 37:698-702, Nov 73
- Prevention of L-dopa-induced growth hormone stimulation by hyperglycemia. Mims RB, et al.
J Clin Endocrinol Metab 37:860-3, Nov 73
- Growth hormone studies before and during catch-up growth in a child with emotional deprivation and short stature. Powell GF, et al.
J Clin Endocrinol Metab 37:674-9, Nov 73
- Prolactin and growth hormone release in response to sequential stimulation by arginine and synthetic TRF. Rakoff JS, et al.
J Clin Endocrinol Metab 37:641-4, Nov 73
- Inhibition of growth hormone release in humans by somatostatin. Siler TM, et al.
J Clin Endocrinol Metab 37:832-4, Oct 73
- Effects of colitis on gonadotropin, prolactin and sex steroid levels in man. Stearns EL, et al.
J Clin Endocrinol Metab 37:687-91, Nov 73
- Alpha-MSH stimulation of growth hormone release. Strauch G, et al.
J Clin Endocrinol Metab 37:990-3, Dec 73
- Immunologic and physical characterization of human chorionic gonadotropin (hCG) secreted by tumors. Valtukaitis JL.
J Clin Endocrinol Metab 37:505-14, Oct 73
- Effect of propranolol on plasma growth hormone response in insulin-induced hypoglycemia in thyrotoxic patients. Yeung RT.
J Clin Endocrinol Metab 37:968-71, Dec 73
- Glucose turnover and disposal in maturity-onset diabetes. Bowen HF, et al.
J Clin Invest 52:3033-45, Dec 73
- Effect of hypophysectomy on the growth hormone response to insulin-induced hypoglycemia. Roberts MM, et al. *J Endocrinol* 58:637-41, Sep 73
- Radioimmunoassay measurements of serum cortisol, thyroxine, growth hormone and luteinizing hormone with simultaneous electroencephalographic changes during continuous noise in man. Favino A, et al.
J Nucl Biol Med 17:119-22, Jul-Sep 73
- HGH radioimmunoassay. Glucagon and L-dopa stimulation tests. Troncone L, et al.
J Nucl Biol Med 17:84-91, Apr-Jun 73
- Letter: Growth hormone in acromegaly.
Lancet 2:913, 20 Oct 73
- Growth hormone regulation by melatonin and serotonin. Smythe GA, et al. *Nature* 244:230-1, 27 Jul 73
- Response to 2-deoxy-D-glucose and to glucagon in "ketotic hypoglycemia" of childhood: evidence for epinephrine deficiency and altered alanine

- availability. Sizonenko PC, et al.
Pediatr Res 7:983-93, Dec 73
- Effect of growth hormone deficiency on glucagon secretion. Blackard WG, et al.
Proc Soc Exp Biol Med 143:1042-4, Sep 73
- Human growth hormone release during sleep following prolonged flurazepam administration. Rubin RT, et al.
Res Commun Chem Pathol Pharmacol 6:331-4, Jul 73
- Metabolic features of Johannesburg Bantu with myocardial infarction. Seftel HC, et al.
S Afr Med J 47:1571-5, 8 Sep 73
- Effect of nicotinic-acid-induced variation of plasma free fatty acids on some hormones in starving subjects. Kågedal B, et al.
Scand J Clin Lab Invest 31:331-6, May 73
- "Big" growth hormone components from human plasma: decreased reactivity demonstrated by radioreceptor assay. Gorden P, et al.
Science 182:829-31, 23 Nov 73
- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al.
South Med J 66:747-53, Jul 73
- [Malnutrition and failure to thrive in infants and small children] Kerpel-Fronius E.
Cesk Pediatr 28:407-10, Aug 73 (Cze)
- [TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al.
Ann Endocrinol (Paris) 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
- [Variations of plasma insulin and somatotropin during the arginine test in children] Lecornu M, et al.
Ann Endocrinol (Paris) 34:228-7, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Evolution of plasma somatotropin levels in acromegaly treated with medroxyprogesterone acetate] Strauch G, et al.
Ann Endocrinol (Paris) 34:228-31, Mar-Apr 73 (Fre)
- [Effect of medroxyprogesterone on plasma somatotropin (GH) levels in 14 patients with acromegaly] Tourniaire J, et al.
Ann Endocrinol (Paris) 34:222-4, Mar-Apr 73 (Fre)
- [Acromegaly-gigantism. Clinical and biological study] Somma M, et al.
Neurochirurgie 19:Suppl 2:57-73, May 73 (Eng. Abstr.) (Fre)
- [Editorial: Anatomical and physiopathological diagnosis of pituitary adenoma. Contribution of current anterior pituitary functions tests] Mornex R, et al. *Nouv Presse Med* 2:2169-72, 22 Sep 73 (Fre)
- [Endocrine dwarfism and diabetes insipidus as sequelae of meningeal tuberculosis] Andler W.
Klin Paediatr 185:213-6, May 73 (Ger)
- [GH (growth hormone)-interpretation of the test results] Shizume K.
Jap J Clin Med 31:1623-8, 1973 (43 ref.) (Jap)
- [Content of somatotropin and non-esterified fatty acids in the blood serum of adipose patients] Shurygin DIU, et al.
Probl Endocrinol (Mosk) 19:18-22, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [The dynamics of serum growth hormone concentration in patients with hypophyseal tumors following surgery] Salazkin MA, et al.
Vopr Neurokhir 37:13-6, May-Jun 73 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

- The chemistry of growth hormone and the lactogenic hormones. Niall HD, et al.
Recent Prog Horm Res 29:387-416, 1973 (43 ref.)

ISOLATION & PURIFICATION

- Repeated purifications of (125I)HGH for radioimmunoassay. Keret R, et al.
Clin Chim Acta 47:21-6, 17 Aug 73
- Separation of some pituitary proteohormones by disc-electrophoresis. Knopp J, et al.
Endocrinol Exp (Bratisl) 7:203-6, Sep 73
- A simple method for the extraction and purification of human growth hormone and its assay by paper chromatography. Stroud SW, et al.
J Clin Endocrinol Metab 37:860-6, Dec 73
- Metabolic effects of plasmin digests of human growth hormone in the rat and man. Mills JB, et al.
J Clin Invest 52:2941-51, Nov 73

METABOLISM

- Diabetic angiography. Lundbaek L.
Acta Diabetol Lat 10:183-207, Mar-Apr 73 (54 ref.)
- The labelling of proteins to high specific radioactivities by conjugation to a 125I-containing acylating agent. Bolton AE, et al. *Biochem J* 133:529-39, Jul 73
- Vascular disease in the chronic HGH-deficient state. Merimee TJ, et al. *Diabetes* 22:813-9, Nov 73
- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegalics. Singb P, et al. *Horm Res* 4:293-301, 1973
- Metabolic effects of plasmin digests of human growth hormone in the rat and man. Mills JB, et al.
J Clin Invest 52:2941-51, Nov 73
- Role of inositol cyclic phosphate in stimulated tissues. Freinkel N, et al. *Nature* 243:535-7, 29 Jun 73
- Growth and development in adolescence. Kogut MD.
Pediatr Clin North Am 20:789-806, Nov 73 (111 ref.)
- Binding of nerve growth factor receptor in sympathetic ganglia. Banerjee SP, et al.
Proc Natl Acad Sci USA 70:2519-23, Sep 73

PHARMACODYNAMICS

- Effect of human growth hormone treatment on adipose tissue in children. Brook CG.
Arch Dis Child 48:725-8, Sep 73
- Synthesis and accumulation of polyamines in rat liver regenerating after treatment with carbon tetrachloride. Hölttä E, et al.
Biochem Biophys Res Commun 54:350-7, 5 Sep 73
- Somatotropic effects of prolactin and growth hormone in juvenile snapping turtles (*Chelydra serpentina*). Nichols CW Jr. *Gen Comp Endocrinol* 21:219-24, Oct 73
- The effect of exogenous vasopressin and growth hormone on the growth of rats with hereditary hypobalamic diabetes insipidus. Sokol HW, et al.
Growth 37:127-42, Jun 73
- In vivo effects of growth hormone on in vitro adipose tissue metabolism. Goldman JK.
Horm Res 4:207-12, 1973
- Neuro-endocrine correlates of immune response. I. Effects of brain lesions on antibody production, Arthus reactivity and delayed hypersensitivity in the rat. Janković BD, et al.
Int Arch Allergy Appl Immunol 45:360-72, 1973
- Retention of biologic activity of human growth hormone in man after reduction and alkylation. Connors MH, et al.
J Clin Endocrinol Metab 37:499-504, Oct 73
- Metabolic effects in children of a 37 amino acid fragment of bovine growth hormone. Levine LS, et al.
J Clin Endocrinol Metab 37:607-15, Oct 73
- Metabolic effects of plasmin digests of human growth hormone in the rat and man. Mills JB, et al.
J Clin Invest 52:2941-51, Nov 73
- Effect of growth hormone on plasma triglycerides in man. Azizi F, et al.
Proc Soc Exp Biol Med 143:1187-90, Sep 73
- Effect of growth hormone deficiency on glucagon secretion. Blackard WG, et al.
Proc Soc Exp Biol Med 143:1042-4, Sep 73
- S-adenosylmethionine: guanidinoacetate N-methyltransferase activities in livers from rats with hormonal deficiencies or excesses. Carlson M, et al.
Proc Soc Exp Biol Med 143:1256-9, Sep 73
- Growth hormone modulation of liver drug metabolic enzyme activity in the rat. II. Specificity of the hormone effect. Wilson JT, et al.
Proc Soc Exp Biol Med 143:978-85, Sep 73
- The effects of perfusion, amino acids and hormones on the free and endoplasmic reticulum-bound ribosomes of rat liver. Kelman L, et al.
S Afr Med J 47:1751-3, 29 Sep 73
- [Development of free fatty acid and reducing sugar contents in plasma of hypophysectomized rabbits during treatment with porcine and bovine somatotropin] Vézinhel A, et al.
Ann Biol Anim Biochim Biophys 12:431-40, 1972 (Eng. Abstr.) (Fre)
- [Effects of growth hormone, prolactin, and a combination of the two on nitrogen levels in the rat. Search for a cumulative effect] Elsalr J, et al.
Ann Nutr Aliment 27:1-10, 1973 (Eng. Abstr.) (Fre)
- [Effect of norethandrolone and human growth hormone on blood unesterified fatty acid in blood sugar in the normal and fasting child] Elsalr J, et al.
Biomedicine 18:408-14, Sep 73 (Eng. Abstr.) (Fre)
- [Methods and application of the organ culture

- technique in clinical and experimental cancer research (author's transl) Matthias M. Arch Geschwulstforsch 41:382-97, 1973 (150 ref.) (Eng. Abstr.) (Ger)
- [State of peripheral endocrine glands 6 months after hypophysectomy, and their sensitivity to trophic hormones of the hypophysis] Fedotov VP, et al. Probl Endokrinol (Mosk) 19:59-63, Sep-Oct 73 (Rus)

PHYSIOLOGY

- Growth hormone and prolactin in unipolar and bipolar depressed patients: responses to hypoglycemia and L-dopa. Sachar EJ, et al. Am J Psychiatry 130:1382-7, Dec 73
- The hypothalamic areas involved in the control of mammothrophic and lactotrophic processes in sheep. Domański E, et al. Endocrinol Exp (Bratisl) 7:229-46, Sep 73
- Growth hormone. Davies AG. Nurs Mirror 137:40-3, 7 Sep 73

CRETION

- Ultrastructure of a transplantable, mammosomatotropic pituitary tumor (MtT-W10). Nakayama I, et al. Acta Pathol Jap 23:237-48, May 73
- The levodopa test of growth hormone reserve in children. Porter BA, et al. Am J Dis Child 126:589-92, Nov 73
- On the beneficial action of acetazolamide in hypokalemic periodic paralysis: study of the carbohydrate metabolism. Viskoper RJ, et al. Am J Med Sci 266:124-9, Aug 73
- Lung growth in acromegaly. Toppell KL, et al. Am Rev Respir Dis 108:1254-8, Nov 73
- Thyrotrophic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. Arch Pathol 96:217-26, Oct 73
- Proceedings: the effect of surgical operations of varying severity on the secretion of growth hormone. Wright PD, et al. Br J Surg 60:902-3, Nov 73
- Letter: Levodopa and growth hormone secretion. Colucci CF, et al. Br Med J 4:420, 17 Nov 73
- Endocrine spotlights on brain and behaviour. Cleghorn JM. Can Psychiat Assoc J 18:449-51, Oct 73
- Growth hormone responses to administration of L-5-hydroxytryptophan (L-5-HTP) in manic-depressive psychoses. Takahashi S, et al. Folia Psychiatr Neurol Jap 27:197-206, 1973
- Editorial: Maize in developing countries. Kahn A Jr. J Arkansas Med Soc 70:182, Oct 73
- The secretion rate of human growth hormone. I. Daily secretion rates, effect of posture and sleep. Alford FP, et al. J Clin Endocrinol Metab 37:515-20, Oct 73
- Growth hormone response to insulin hypoglycemia in the elderly. Kalk WJ, et al. J Gerontol 28:431-3, Oct 73
- Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammothropic, ACTH-secreting pituitary tumor. De Nicola AF, et al. J Steroid Biochem 4:407-16, Jul 73
- Growth hormone regulation by melatonin and serotonin. Smythe GA, et al. Nature 244:230-1, 27 Jul 73
- Human growth hormone release during sleep following prolonged flurazepam administration. Rubin RT, et al. Res Commun Chem Pathol Pharmacol 6:331-4, Jul 73
- Tannic acid-induced alterations in mouse growth and pituitary melanocyte-stimulating hormone activity. Peaslee MH, et al. Toxicol Appl Pharmacol 25:507-14, Aug 73
- [Symptoms and treatment of para-neoplastic endocrine diseases] Raith L. Munch Med Wochenschr 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)
- [Endocrine equilibrium in acromegaly] Sakamoto N, et al. Jap J Clin Med 31:2266-71, Jul 73 (Jap)
- [GH (growth hormone)-interpretation of the test results] Shizume K. Jap J Clin Med 31:1623-8, 1973 (43 ref.) (Jap)
- [Evaluation of plasma NEFA after arginine infusion. A simple test of the biological activity of TSH?] Herrera Pombo JL, et al. Rev Clin Esp 130:111-6, 31 Jul 73 (Eng. Abstr.) (Spa)
- [Growth hormone deficiency dwarfism and idiopathic hypopituitarism. Study of hypothalamo-hypophyseal function] Martín Zurro A, et al. Rev Clin Esp 130:117-22, 31 Jul 73 (Eng. Abstr.) (Spa)
- [Clinical adeno-hypophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E.

- Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

- Oxandrolone and human growth hormone. Comparison of growth-stimulating effects in short children. Ralti S, et al. Am J Dis Child 126:597-600, Nov 73
- Effect of human growth hormone treatment on adipose tissue in children. Brook CG. Arch Dis Child 48:725-8, Sep 73
- Hydroxyproline excretion in pituitary dwarfs treated with therapeutic doses of human growth hormone. Batrinos ML, et al. Horm Res 4:311-20, 1973
- [Antibody development against human growth hormone in pituitary dwarfism in relation to the time of therapy] Stubbe P. Monatsschr Kinderheilkd 121:475-7, Jul 73 (Ger)

URINE

- Immunologic and physical characterization of human chorionic gonadotropin (hCG) secreted by tumors. Valtukaitis JL. J Clin Endocrinol Metab 37:505-14, Oct 73

THYROTROPIN

- A comparison of the subcellular distribution of 5'-nucleotidase, (Na⁺-K⁺)-ATPase and adenyl cyclase in beef thyroid gland. Matsuzaki S, et al. Biochim Biophys Acta 313:329-37, 28 Jul 73
- Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. Horm Res 4:261-73, 1973
- Neutralization of human thyrotropin by antisera to subunits of glycoprotein hormones. Nisula BC, et al. J Clin Endocrinol Metab 37:664-9, Nov 73
- Generation of specific antisera with the hormone-specific beta-subunit of hTSH or hFSH. Valtukaitis JL, et al. J Clin Endocrinol Metab 37:653-9, Nov 73
- The effects on rabbits of immunization with bovine thyroid-stimulating hormone and its subunits. Beall GN, et al. J Clin Invest 52:2986-92, Dec 73
- Neutralizing and non-neutralizing antibodies to bovine thyroid-stimulating hormone and its subunits. Beall GN, et al. J Clin Invest 52:2979-85, Dec 73
- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murle N, et al. Ann Endocrinol (Paris) 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Homotropic cooperative effects and rising B-F-curves in hormone-antibody reactions (author's transl)] Bartels HJ, et al. Z Klin Chem Klin Biochem 11:311-8, Jul 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

- Effect of bovine thyroid-stimulating hormone (TSH) on human plasma TSH levels in primary hypothyroidism: evidence against the "short-feedback" of TSH in man. Toft AD, et al. J Endocrinol 59:189-90, Oct 73

ANALYSIS

- Human pituitary thyrotropin: primary structure of the hormone specific beta subunit. Sairam MR, et al. Biochem Biophys Res Commun 54:426-31, 5 Sep 73
- Human chorionic gonadotropin. Linear amino acid sequence of the alpha subunit. Bellisario R, et al. J Biol Chem 248:8796-809, 10 Oct 73
- The effects of modification of the COOH-terminal regions of bovine thyrotropin and its subunits. Cheng KW, et al. J Biol Chem 248:7930-7, 25 Nov 73
- Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC. J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)
- New bioassay for luteinizing hormone. Rees LH, et al. Nature 244:232-4, 27 Jul 73
- T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. Avruskin TW, et al. Pediatrics 52:649-52, Nov 73
- [Demonstration of pituitary hormones in an amphibian using cyto-immuno-enzymology with electron microscopy] Doerr-Schott J, et al. C R Acad Sci [D] (Paris) 276:2179-82, 2 Apr 73 (Fre)

BLOOD

- Serum thyrotrophin and circulating thyroglobulin antihodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radioiodine therapy. Gordin A. *Acta Endocrinol (Kbh)* 74:283-95, Oct 73
- On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. *Acta Endocrinol (Kbh)* 74:296-306, Oct 73
- Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radioiodine treatment for hyperthyroidism. Gordin A, et al. *Acta Med Scand* 194:335-40, Oct 73
- Cretinism and the fetal-maternal relationship. Stanbury JB. *Adv Exp Med Biol* 30:487-505, 1972 (50 ref.)
- The levodopa test of growth hormone reserve in children. Porter BA, et al. *Am J Dis Child* 126:589-92, Nov 73
- Iodine and lithium-induced hypothyroidism. Documentation of synergism. Shopsin B, et al. *Am J Med* 55:695-9, Nov 73
- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Pituitary gigantism. A case report and review. Hargler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. *Arch Pathol* 96:217-26, Oct 73
- Grades of hypothyroidism. Hall R, et al. *Br Med J* 3:695-6, 29 Sep 73
- Letter: Serum thyrotrophin and lipid levels in summer and winter. Hedstrand H, et al. *Br Med J* 4:420, 17 Nov 73
- A sensitive radioimmunoassay for thyrotrophin releasing hormone. May P, et al. *Clin Chim Acta* 46:371-6, 27 Jul 73
- Plasma thyrotrophin levels in severe infantile malnutrition. Godard C, et al. *Horm Res* 4:43-52, 1973
- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegalics. Singh P, et al. *Horm Res* 4:293-301, 1973
- Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. I. Thyroid-stimulating hormone, growth hormone and cortisol. Alford FP, et al. *J Clin Endocrinol Metab* 37:841-7, Dec 73
- Alpha chain of glycoprotein hormones: presence in human serum after thyroid stimulating hormone releasing hormone. Benveniste R, et al. *J Clin Endocrinol Metab* 37:822-5, Nov 73
- Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. *J Clin Endocrinol Metab* 37:955-67, Dec 73
- Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH. Hashimoto T, et al. *J Clin Endocrinol Metab* 37:910-6, Dec 73
- Increase in the beta subunit of human TSH in hypothyroid serum after thyrotrophin releasing hormone. Kourides IA, et al. *J Clin Endocrinol Metab* 37:836-40, Nov 73
- Serum thyrotrophin and thyroid hormones in the course of subacute thyroiditis. Ogihara T, et al. *J Clin Endocrinol Metab* 37:602-6, Oct 73
- Serum thyrotrophin level and goiter in relation to childhood exposure to atomic radiation. Parker LN, et al. *J Clin Endocrinol Metab* 37:797-804, Nov 73
- Serum triiodothyronine, thyroxine and thyroid-stimulating hormone in endemic goiter: a comparison of goitrous and nongoitrous subjects in New Guinea. Patel YC, et al. *J Clin Endocrinol Metab* 37:783-9, Nov 73
- Influence of sex phase of the menstrual cycle on thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH). Sanchez-Franco F, et al. *J Clin Endocrinol Metab* 37:736-40, Nov 73
- Inhibition of growth hormone release in humans by somatostatin. Siler TM, et al. *J Clin Endocrinol Metab* 37:632-4, Oct 73
- Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. *J Clin Invest* 52:2783-92, Nov 73
- Effect of ovine thyroid-stimulating hormone (TSH) on human plasma TSH levels in primary hypothyroidism: evidence against the "short-feedback" of TSH in man. Toft AD, et al. *J Endocrinol* 59:189-90, Oct 73
- Use of human thyrotrophin radioimmunoassay in the management of patients with thyroid carcinoma. Stahl TJ, et al. *J Nucl Med* 14:900-2, Dec 73
- Y to X translocation in a woman with reproductive failure. A new rearrangement. Khudr G, et al. *JAMA* 226:544-9, 29 Oct 73
- Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. Fowler PB, et al. *Lancet* 2:801, 6 Oct 73
- Letter: Lithium and the thyroid. Kirkegaard C, et al. *Lancet* 2:1210, 24 Nov 73
- Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. *Lancet* 2:963-4, 27 Oct 73
- Plasma thyrotrophin and its response to thyrotrophin releasing hormone in normal pregnancy. Kannan V, et al. *Obstet Gynecol* 42:547-9, Oct 73
- The effect of fetal thyroidectomy on thyroid hormone metabolism in maternal and fetal sheep. Erenberg A, et al. *Pediatr Res* 7:870-7, Nov 73
- Circadian variation of the serum thyrotrophin level in normal subjects. Weeke J. *Scand J Clin Lab Invest* 31:337-42, May 73
- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. *South Med J* 66:747-53, Jul 73
- [TSH, HGH, ACTH, LH plasma levels in patients with pituitary disease (author's transl)] Jaquet P, et al. *Ann Endocrinol (Paris)* 34:283-5, May-Jun 73 (Eng. Abstr.) (Fre)
- [Static and dynamic study of thyrotrophin function in a case of primary myxedema with lingual ectopia and suspected pituitary adenoma] Luton JP, et al. *Ann Endocrinol (Paris)* 34:232-5, Mar-Apr 73 (Fre)
- [Simultaneous study of circadian variations of blood thyrotrophin (TSH) and pituitary prolactin levels in man] Vanhaelst ML, et al. *C R Acad Sci [D] (Paris)* 276:1875-7, 19 Mar 73 (Fre)
- [Editorial: Anatomical and physiopathological diagnosis of pituitary adenoma. Contribution of current anterior pituitary functions tests] Mornex R, et al. *Nouv Presse Med* 2:2169-72, 22 Sep 73 (Fre)
- [Usefulness of plasma TSH determination and of the TRH test in thyroid pathology (author's transl)] Lemarchand-Béraud T. *Ther Umsch* 30:692-7, Oct 73 (Eng. Abstr.) (Fre)
- [Hypothyroidism after fractionated radioiodine treatment (author's transl)] Reinwein D, et al. *Dtsch Med Wochenschr* 98:1789-95, 28 Sep 73 (Eng. Abstr.) (Ger)
- [Goiter prevention] Scriba PC. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)
- [Improvement and quality control of the radioimmunological TSH determination (author's transl)] Erhardt F, et al. *Z Klin Chem Klin Biochem* 11:381-7, Sep 73 (Ger)
- [Pituitary TSH releasing capacity in the aged] Sakoda M, et al. *Folia Endocrinol Jap* 49:1177-85, 20 Sep 73 (Eng. Abstr.) (Jap)
- [TRH test--interpretation of the test results] Miyai K, et al. *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)
- [Serum TSH-activity--interpretation of the test results] Mori T, et al. *Jap J Clin Med* 31:1591-7, 1973 (Jap)
- [Effect of iodine compounds on the accumulation of I 131 in the thyroid gland and on the level of thyrotrophin in blood plasma] Rachev R, et al. *Probl Endocrinol (Mosk)* 19:99-105, Sep-Oct 73 (Rus)

DIAGNOSTIC USE

- Increase in the beta subunit of human TSH in hypothyroid serum after thyrotrophin releasing hormone. Kourides IA, et al. *J Clin Endocrinol Metab* 37:836-40, Nov 73
- Serum thyrotrophin and thyroid hormones in the course of subacute thyroiditis. Ogihara T, et al. *J Clin Endocrinol Metab* 37:602-6, Oct 73
- [TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al. *Nucl Med (Stuttg)* 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

- Separation of some pituitary proteohormones by disc-electrophoresis. Knopp J, et al. *Endocrinol Exp (Bratisl)* 7:203-6, Sep 73

METABOLISM

- Thyroid nodule autonomy: Its demonstration by the thyrotropin releasing hormone (TRH) stimulation test. Karlberg BE.
Acta Endocrinol (Kbh) 73:689-99, Aug 73
- The labelling of proteins to high specific radioactivities by conjugation to a ¹²⁵I-containing acylating agent. Bolton AE, et al. Biochem J 133:529-39, Jul 73
- Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolabeled thyrotropin to reassociated cells. Fayet G, et al.
FEBS Lett 32:299-302, 1 Jun 73
- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegals. Singh P, et al. Horm Res 4:293-301, 1973
- The effects of modification of the COOH-terminal regions of bovine thyrotropin and its subunits. Cheng KW, et al. J Biol Chem 248:7930-7, 25 Nov 73
- Synthesis of the thyrotropin-releasing hormone enantiomer and some diastereoisomers and in vitro studies of their biological activity. Flouret G, et al. J Med Chem 16:1137-40, Oct 73
- Role of inositol cyclic phosphate in stimulated tissues. Freinkel N, et al. Nature 243:535-7, 29 Jun 73

PHARMACODYNAMICS

- Thyroid iodine metabolism in vitro. I. Experimental technique. Männistö PT.
Ann Med Exp Biol Fenn 51:34-41, 1973
- Thyroid iodine metabolism in vitro. II. Effect of lithium ion. Männistö PT. Ann Med Exp Biol Fenn 51:42-5, 1973
- Role of sodium ion in active transport of iodide by cultured thyroid cells. Bagchi N, et al.
Biochim Biophys Acta 318:235-51, 22 Aug 73
- Hormone-sensitive adenyl cyclases. Useful models for studying hormone receptor functions in cell-free systems. Birnbaumer L.
Biochim Biophys Acta 300:129-58, 10 Sep 73 (73 ref.)
- Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al.
Biochim Biophys Acta 313:320-8, 28 Jul 73
- Partial characterization of the thyroid proteinase of the burbot, Lota lota L. Wiggs AJ.
Comp Biochem Physiol [A] 45:869-82, 1 Jul 73
- Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolabeled thyrotropin to reassociated cells. Fayet G, et al.
FEBS Lett 32:299-302, 1 Jun 73
- The response of hagfish thyroid tissue to thyroid inhibitors and to mammalian thyroid-stimulating hormone. Kerkof PR, et al.
Gen Comp Endocrinol 21:231-40, Oct 73
- Effects of pituitary hormones, melatonin, and thyroidal inhibitors on radiolabeled uptake by the thyroid glands of larval and adult tiger salamanders, Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al.
Gen Comp Endocrinol 21:368-76, Oct 73
- Comparison of alterations in circulating thyroglobulin, triiodothyronine and thyroxine in response to exogenous (bovine) and endogenous (human) thyrotropin. Uller RP, et al.
J Clin Endocrinol Metab 37:741-5, Nov 73
- Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylate cyclase. Koch Y, et al.
J Endocrinol 58:677-8, Sep 73
- Effect of bovine thyroid-stimulating hormone (TSH) on human plasma TSH levels in primary hypothyroidism: evidence against the "short-feedback" of TSH in man. Toft AD, et al. J Endocrinol 59:189-90, Oct 73
- Simultaneous measurement of thyroidal trapping (^{99m}TcO₄⁻) and binding (¹³¹I): clinical and experimental studies in man. Hays MT, et al.
J Nucl Med 14:785-92, Nov 73
- Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. Otake M, et al.
Proc Soc Exp Biol Med 144:538-43, Nov 73
- The role of microtubules and microfilaments in thyroid secretion. Wolff J, et al.
Recent Prog Horm Res 29:229-85, 1973 (205 ref.)
- Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al.
South Med J 66:1247-9, Nov 73
- [Tissue injury and plasma kininogen level in rats] Zach HP, et al.

Res Exp Med (Berl) 161:89-100, 26 Jul 73 (Eng. Abstr.)

- (Ger)
[Effects of guanyl nucleotide on adenyl cyclase activity of human thyroid gland] Sato S, et al.
Folia Endocrinol Jap 49:1207-14, 20 Sep 73 (Eng. Abstr.) (Jap)
[State of peripheral endocrine glands 6 months after hypophysectomy, and their sensitivity to trophic hormones of the hypophysis] Fedotov VP, et al.
Probl Endokrinol (Mosk) 19:59-63, Sep-Oct 73 (Rus)

PHYSIOLOGY

- Ultimobranchial follicles and cysts in the rat thyroid during postnatal development. Christov K, et al.
Beltr Pathol 149:47-59, May 73
- The effects of modification of the COOH-terminal regions of bovine thyrotropin and its subunits. Cheng KW, et al. J Biol Chem 248:7930-7, 25 Nov 73
- Hormonal regulation of cyclic AMP. Murad F, et al.
Semin Drug Treat 3:189-202, Autumn 73
- [Interaction among prostaglandins, nerves and hormones] Chi JY.
Chin Med J 9:558-62, 1973 (27 ref.) (Chi)
[Stimulation of the hypophysis-thyroid system during the perinatal period] Siebodziński AB.
Acta Physiol Pol [Suppl] 24:713-22, 1973 (Pol)

SECRETION

- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. Arch Pathol 96:217-28, Oct 73
- Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Eddy LJ, et al.
Biochem Biophys Res Commun 54:140-8, 5 Sep 73
- Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al.
J Clin Endocrinol Metab 37:595-601, Oct 73
- Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. J Clin Invest 52:2783-92, Nov 73
- Litter: Lithium and the thyroid. Kirkegaard C, et al.
Lancet 2:1210, 24 Nov 73
- Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al.
Metabolism 23:1357-65, Nov 73
- Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dibutyryl cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al.
Proc Soc Exp Biol Med 143:941-7, Sep 73
- [Static and dynamic study of thyrotropin function in a case of primary myxedema with lingual ectopia and suspected pituitary adenoma] Luton JP, et al.
Ann Endocrinol (Paris) 34:232-5, Mar-Apr 73 (Fre)
[Pituitary TSH releasing capacity in the aged] Sakoda M, et al.
Folia Endocrinol Jap 49:1177-85, 20 Sep 73 (Eng. Abstr.) (Jap)
[Hypothalamic control of thyroid function] Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)
[Clinical adenohypophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E.
Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

- [48 XXXX syndrome in an infant] Walbaum R, et al.
J Genet Hum 21:43-56, Mar 73 (Fre)

VASOPRESSIN

- Familial ADH-responsive diabetes insipidus: response to thiazides and chlorpropamide. Driedger AA, et al.
Can Med Assoc J 109:594-7, 6 Oct 73
- Failure of ischemia to break the dog's gastric mucosal barrier. Davenport HW, et al.
Gastroenterology 65:619-24, Oct 73
- Complex formation between bovine neurophysin-I and oxytocin, vasopressin, and tripeptide analogs of their NH₂-terminal region. Absorbance and circular dichroism difference spectroscopic studies. Griffin JH, et al. J Biol Chem 248:7975-8, 10 Dec 73
- The isolation and biochemical characterization of three

neurophysins of the sheep. Watkins WB.
J Endocrinol 59:17-29, Oct 73

ADMINISTRATION & DOSAGE

Synthetic lysine vasopressin in herpetic neuralgia.
 Forssman O, et al.
Acta Derm Venereol (Stockh) 53:359-62, 1973
 Hepatic arterial escape from vasopressin-induced
 vasoconstriction: an angiographic investigation. Conn
 HO, et al.
Am J Roentgenol Radium Ther Nucl Med 119:102-8,
 Sep 73
 Letter: Peptic ulcer hemorrhage: vasopressin for a
 Jehovah's witness. Gordon ME, et al.
Ann Intern Med 79:451-2, Sep 73
 Reversible pedal ischemia following intra-arterial
 infusion of vasopressin at a high dosage level required
 for control of massive bleeding from the small bowel:
 a case report. Motsay GJ, et al.
Ann Surg 178:648-50, Nov 73
 Effect of intraarterial vasopressin on canine gastric
 mucosal permeability. Dorricott NJ, et al.
Gastroenterology 65:825-9, Oct 73
 Sensitivity of mice to (8-arginine)- and
 (8-lysine)-vasopressins as antidiuretic hormones.
 Stewart AD. *J Endocrinol* 59:195-6, Oct 73
 Addition of isoproterenol prevents adverse
 hemodynamic effects of vasopressin. Skivolocki WP,
 et al. *Surgery* 74:752-7, Nov 73

ADVERSE EFFECTS

Synthetic lysine vasopressin in herpetic neuralgia.
 Forssman O, et al.
Acta Derm Venereol (Stockh) 53:359-62, 1973
 Reversible pedal ischemia following intra-arterial
 infusion of vasopressin at a high dosage level required
 for control of massive bleeding from the small bowel:
 a case report. Motsay GJ, et al.
Ann Surg 178:648-50, Nov 73
 Hyponatremic syndromes. Tacloh LT, et al.
Med Clin North Am 57:1425-33, Nov 73 (31 ref.)
 Addition of isoproterenol prevents adverse
 hemodynamic effects of vasopressin. Skivolocki WP,
 et al. *Surgery* 74:752-7, Nov 73

ANALYSIS

The distribution of vasopressin and oxytocin in the
 hypothalamoneurohypophyseal system of the
 guinea-pig. Bisset GW, et al.
Br J Pharmacol 48:263-72, Jun 73

ANTAGONISTS & INHIBITORS

The distribution of vasopressin and oxytocin in the
 hypothalamoneurohypophyseal system of the
 guinea-pig. Bisset GW, et al.
Br J Pharmacol 48:263-72, Jun 73
 Inhibition of vasopressin-stimulated urea transport
 across the toad bladder by thiourea. Eggena P.
J Clin Invest 52:2963-70, Nov 73
 Some properties of the hydro-osmotic vasopressin
 "effector": Interactions with N-ethylmaleimide.
 Bentley PJ. *J Endocrinol* 59:99-106, Oct 73
 How mercurial diuretics work. Greene JA 3d, et al.
Mich Med 72:617-8 passim, Sep 73

BLOOD

Comparative experiments on the urinary excretion of
 exogenous oxytocin and vasopressin. Jensen SE, et al.
Acta Endocrinol (Kbh) 73:643-50, Aug 73
 Vincristine neurotoxicity and abnormal secretion of
 antidiuretic hormone. Robertson GL, et al.
Arch Intern Med 132:717-20, Nov 73
 Radioimmunoassay of arginine vasopressin in human
 plasma. Husain MK, et al.
J Clin Endocrinol Metab 37:616-25, Oct 73
 Systems analysis of the renal function. Bigelow JH, et
 al. *J Theor Biol* 41:287-322, 21 Sep 73
 The relationship between the antidiuretic activity of
 rat eye plexus blood and passive avoidance behaviour.
 Thompson EA, et al. *Physiol Behav* 11:377-80, Sep 73
 Vasopressin and neurophysin: high concentrations in
 monkey hypophyseal portal blood. Zimmerman EA, et
 al. *Science* 182:925-7, 20 Nov 73
 [ADH-interpretation of the test results] Yoshida S.
Jap J Clin Med 31:1629-35, 1973 (Jap)

CHEMICAL SYNTHESIS

Solid phase synthesis of
 (1-deamino,4-valine)-8-D-arginine-vasopressin
 (DVAVP), a highly potent and specific antidiuretic
 agent possessing protracted effects. Manning M, et al.
J Med Chem 16:975-8, Sep 73
 A simple, high yield synthesis of arginine vasopressin.
 Jones DA Jr, et al. *J Org Chem* 38:2865-9, 10 Aug 73

DIAGNOSTIC USE

Nephrogenic diabetes insipidus and obstructive
 uropathy. Wiggelinkhuizen J, et al.
Am J Dis Child 126:398-401, Sep 73
 Early prediction of acute renal failure and recovery. II.
 Renal function response to furosemide. Baek SM, et
 al. *Ann Surg* 178:605-8, Nov 73
 [Diagnosis of diabetes insipidus] Eigler J.
Minerva Med 64:3048-51, 18 Aug 73 (Ita)

ISOLATION & PURIFICATION

The distribution of vasopressin and oxytocin in the
 hypothalamoneurohypophyseal system of the
 guinea-pig. Bisset GW, et al.
Br J Pharmacol 48:263-72, Jun 73

METABOLISM

Acute effects of lithium on the action and release of
 antidiuretic hormone in rats. Torp-Pedersen C, et al.
Acta Endocrinol (Kbh) 73:665-71, Aug 73
 Interaction between catecholamines and vasopressin
 on renal medullary cyclic AMP of rat. Kurokawa K, et
 al. *Am J Physiol* 225:825-9, Oct 73
 The lung in relation to vasoactive hormones. Said SI.
Fed Proc 32:1972-6, Sep 73 (53 ref.)
 Subcellular distribution and some properties of the
 enzyme activity involved in the breakdown of
 tritiated lysine vasopressin by bovine
 neurohypophyses. Edwards BA, et al.
J Endocrinol 59:193-4, Oct 73

PHARMACODYNAMICS

The control of renin release. Davis JO.
Am J Med 55:333-50, Sep 73 (117 ref.)
 Effects of hyperosmolality on transmembrane sodium
 transport in the toad bladder. Bentley PJ, et al.
Am J Physiol 225:818-24, Oct 73
 Effect of antidiuretic hormone on sodium uptake
 across outer surface of frog skin. Biber TU, et al.
Am J Physiol 225:912-7, Oct 73
 Interaction between catecholamines and vasopressin
 on renal medullary cyclic AMP of rat. Kurokawa K, et
 al. *Am J Physiol* 225:825-9, Oct 73
 Effects of temperature on responses of fresh and
 refrigerated perfused blood vessels. Murphy JC, et al.
Am J Physiol 225:1187-91, Nov 73
 Hepatic arterial escape from vasopressin-induced
 vasoconstriction: an angiographic investigation. Conn
 HO, et al.
Am J Roentgenol Radium Ther Nucl Med 119:102-8,
 Sep 73
 Early prediction of acute renal failure and recovery. II.
 Renal function response to furosemide. Baek SM, et
 al. *Ann Surg* 178:605-8, Nov 73
 Influence of vasoactive hormones on blood flow
 through the mammary artery in lactating cows.
 Dhondt G, et al.
Arch Int Pharmacodyn Ther 204:89-104, Jul 73
 The electrical transients in the frog skin, during small
 voltage and current pulses. Van Driessche W, et al.
Arch Int Physiol Biochim 81:546-8, Sep 73
 Studies on the biochemical basis of oxygen toxicity.
 Allen JE, et al.
Biochim Biophys Acta 320:708-28, 5 Oct 73
 Hormone-sensitive adenyl cyclases. Useful models
 for studying hormone receptor functions in cell-free
 systems. Birnbaumer L.
Biochim Biophys Acta 300:129-58, 10 Sep 73 (73 ref.)
 Binding and degradation of 125I-labelled insulin by
 isolated rat fat cells. Gammeltoft S, et al.
Biochim Biophys Acta 320:16-32, 17 Aug 73
 Lithium-induced polydipsia and polyuria: mechanism
 of action? Brightwell DR, et al.
Biol Psychiatry 7:167-71, Oct 73
 A pro-inflammatory effect of adrenaline in thermal

- injury. Green KL, et al.
Br J Pharmacol 48:335P-336P, Jun 73
- Proceedings: the failure of intra-arterial vasopressin to break the canine gastric mucosal barrier. Dorricott NJ, et al. *Br J Surg* 60:912, Nov 73
- Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:737-42, Oct 73
- Substances affecting active transport across the ciliary epithelium and their possible role in determining intraocular pressure. Cole DF, et al.
Exp Eye Res 16:251-64, 10 Aug 73
- Effect of aldosterone on cyclic-AMP metabolism in the urinary bladder of the toad. Handler JS, et al.
Exp Eye Res 16:235-40, 10 Aug 73
- Effect of intraarterial vasopressin on canine gastric mucosal permeability. Dorricott NJ, et al.
Gastroenterology 65:625-9, Oct 73
- The effect of exogenous vasopressin and growth hormone on the growth of rats with hereditary hypothalamic diabetes insipidus. Sokol HW, et al.
Growth 37:127-42, Jun 73
- Inhibition of vasopressin-stimulated urea transport across the toad bladder by thiourea. Eggena P.
J Clin Invest 52:2963-70, Nov 73
- Response of the distal tubule and cortical collecting duct to vasopressin in the rat. Woodhall PB, et al.
J Clin Invest 52:3095-108, Dec 73
- The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. Hartley BM, et al.
J Endocrinol 58:363-75, Sep 73
- The effects of oxytocin and vasopressin during the oestrous cycle and pregnancy on the uterus of a marsupial species, the quokka (*Setonix brachyurus*). Heller H. *J Endocrinol* 58:657-71, Sep 73
- Sensitivity of mice to (8-arginine)- and (8-lysine)-vasopressins as antidiuretic hormones. Stewart AD. *J Endocrinol* 59:195-6, Oct 73
- Interaction of cultured human fibroblasts with fibrin: modification by drugs and aging in vitro. Niewiarowski S, et al. *J Lab Clin Med* 82:605-10, Oct 73
- Solid phase synthesis of (1-deamino,4-valine)-8-D-arginine-vasopressin (DVAVP), a highly potent and specific antidiuretic agent possessing protracted effects. Manning M, et al.
J Med Chem 16:975-8, Sep 73
- Kidney function in the progeny of protein-deficient rats. Allen LH, et al. *J Nutr* 103:1467-78, Oct 73
- Antagonism of vasoconstrictor responses by exercise in the gracilis muscle of the dog. Burcher E, et al.
J Pharmacol Exp Ther 187:78-85, Oct 73
- Stimulatory effect of L-vasopressin on PMSG-induced ovulation in immature rats. Lastra M de la, et al.
J Reprod Fertil 35:1-6, Oct 73
- Renin release in anesthetized rats. Churchill PC, et al.
Kidney Int 4:273-9, Oct 73
- Effects of high and low protein diets on sheep renal function and metabolism. Rahinowitz L, et al.
Kidney Int 4:188-207, Sep 73
- Possible role of MSH in the mammal. Thody AJ, et al.
Nature 245:207-9, 28 Sep 73
- Release of prostaglandins from isolated cat spleen by angiotensin and vasopressin. Peskar B, et al.
Naunyn-Schmiedeberg Arch Pharmacol 279:227-34, 8 Sep 73
- The effect of parathyroid hormone on rabbit renal cortex adenyl cyclase during development. Linarelli LG, et al. *Pediatr Res* 7:878-82, Nov 73
- The actions of drugs on the smooth muscle of the capsule and blood vessels of the spleen. Davies BN, et al. *Pharmacol Rev* 25:373-413, Sep 73 (262 ref.)
- The relationship between the antidiuretic activity of rat eye plexus blood and passive avoidance behaviour. Thompson EA, et al. *Physiol Behav* 11:377-80, Sep 73
- Responses of rat kidney and toad bladder to the pentapeptide ring structures of neurohypophysial hormones. Chan WY, et al.
Proc Soc Exp Biol Med 143:954-8, Sep 73
- Effects of urethane on pituitary-adrenal function in the rat. Ondo JG, et al.
Proc Soc Exp Biol Med 143:894-8, Sep 73
- [The action of toceric and tocolytic agents on uterine strip and vessel preparations. II (author's transl)] Mosler KH, et al.
Arch Gynaecol 215:53-62, 25 May 73 (Eng. Abstr.) (Ger)
- [Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al.

Z Klin Chem Klin Blochem 11:224-32, Jun 73 (106 ref.) (Ger)

- [Mechanism of the polyuric phase of the action of neurohypophyseal hormones] Berklin EB.
Fiziol Zh SSSR 59:652-7, Apr 73 (Eng. Abstr.) (Rus)
- [Effect of actinomycin D on the stimulation of water and sodium transport with antidiuretic hormone] Lavrova EA, et al.
Probl Endokrinol (Mosk) 19:86-90, Sep-Oct 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Study of fluid balance in civil aircrew. Barnes RM.
Aerosp Med 44:1130-5, Oct 73
- View of human problems to be addressed for long-duration space flights. Berry CA.
Aerosp Med 44:1136-46, Oct 73
- Demeclocycline-induced nephrogenic diabetes insipidus. In-vivo and in-vitro studies. Singer I, et al.
Ann Intern Med 79:679-83, Nov 73
- Substances affecting active transport across the ciliary epithelium and their possible role in determining intraocular pressure. Cole DF, et al.
Exp Eye Res 16:251-64, 10 Aug 73
- Systems analysis of the renal function. Bigelow JH, et al. *J Theor Biol* 41:287-322, 21 Sep 73
- An analogue-computer simulation of the facultative water-reabsorption process in the human kidney—a vascular role for a.d.h. Packer JS, et al.
Med Biol Eng 11:310-8, May 73
- Hormonal regulation of cyclic AMP. Murad F, et al.
Semin Drug Treat 3:189-202, Autumn 73
- Nervous and humoral factors in vesicorenal reflexes. Schick E, et al. *Urology* 2:463-7, 4 Oct 73
- [Neurohumoral regulation of kidney activity] Pytasz M.
Acta Physiol Pol [Suppl] 24:735-45, 1973 (Pol)

SECRETION

- Acute effects of lithium on the action and release of antidiuretic hormone in rats. Torp-Pedersen C, et al.
Acta Endocrinol (Kbh) 73:665-71, Aug 73
- Syndrome of inappropriate secretion of antidiuretic hormone with exacerbated psychosis. Dubovsky SL, et al. *Ann Intern Med* 79:551-4, Oct 73
- Vincristine neurotoxicity and abnormal secretion of antidiuretic hormone. Robertson GL, et al.
Arch Intern Med 132:717-20, Nov 73
- Lithium-induced polydipsia and polyuria: mechanism of action? Brightwell DR, et al.
Biol Psychiatry 7:167-71, Oct 73
- Induced multiple nucleoli, nucleolar margination, and cell size changes in supraoptic neurons during dehydration and rehydration in the rat. Hatton GI, et al.
Brain Res 59:137-54, 14 Sep 73
- Familial ADH-responsive diabetes insipidus: response to thiazides and chlorpropamide. Driedger AA, et al.
Can Med Assoc J 109:594-7, 6 Oct 73
- The role of blood osmolality and volume in regulating vasopressin secretion in the rat. Dunn FL, et al.
J Clin Invest 52:3212-9, Dec 73
- Hyponatremic syndromes. Taclob LT, et al.
Med Clin North Am 57:1425-33, Nov 73 (31 ref.)
- Activity of osmosensitive neurons: plasma osmotic pressure thresholds. Bennett CT.
Physiol Behav 11:403-6, Sep 73
- The relationship between the antidiuretic activity of rat eye plexus blood and passive avoidance behaviour. Thompson EA, et al. *Physiol Behav* 11:377-80, Sep 73
- Acute intermittent porphyria and inappropriate secretion of antidiuretic hormone in pregnancy. Kerr GD. *Proc R Soc Med* 66:763-4, Aug 73
- [Metabolism of water and sodium during normal pregnancy and pregnancy toxemia] Ménard J, et al.
Acquis Med Recent 171-81, 1972 (Fre)
- [Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Dreifuss JJ.
J Physiol (Paris) 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)
- [Symptoms and treatment of para-neoplastic endocrine diseases] Raith L.
Munch Med Wochenschr 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)
- [Diagnosis of diabetes insipidus] Elgier J.
Minerva Med 64:3048-51, 18 Aug 73 (Ita)

THERAPEUTIC USE

- Synthetic lysine vasopressin in herpetic neuralgia.

- Forssman O, et al.
Acta Derm Venereol (Stockh) 53:359-62, 1973
- Hepatic arterial escape from vasopressin-induced vasoconstriction: an angiographic investigation. Conn HO, et al.
Am J Roentgenol Radium Ther Nucl Med 119:102-8, Sep 73
- Letter: Peptic ulcer hemorrhage: vasopressin for a Jehovah's witness. Gordon ME, et al.
Ann Intern Med 79:451-2, Sep 73
- Reversible pedal ischemia following intra-arterial infusion of vasopressin at a high dosage level required for control of massive bleeding from the small bowel: a case report. Mutsaers GJ, et al.
Ann Surg 178:648-50, Nov 73
- Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al.
J Neurol Neurosurg Psychiatry 36:864-73, Oct 73
- Review of the medical management of acute variceal bleeding from the esophagus. Apesos J.
Med Ann DC 42:486-9, Oct 73 (33 ref.)
- Addition of isoproterenol prevents adverse hemodynamic effects of vasopressin. Skivovicki WP, et al. *Surgery* 74:752-7, Nov 73
- [The therapy of diabetes insipidus with 1-desamino-8-D-arginine-vasopressin (author's transl)] Novotný P.
Cas Lek Cesk 112:1083-4, 31 Jul 73 (Eng. Abstr.) (Cze)
- [Hormonal (vasopressin-cortisol) treatment of 16 cases of inoperable cerebral tumors with little or no malignant potential] Bernard-Well E, et al.
Sem Hop Paris 49:1687-97, 14 May 73 (Eng. Abstr.) (Fre)
- [Desamino-D-arg8-vasopressin diacetate and carbamazepine in the therapy of diabetes insipidus] Tietze HU.
Monatsschr Kinderheilkd 121:496-8, Jul 73 (Ger)
- [Therapy of severe esophageal varices hemorrhage] Schröder R, et al.
Schweiz Med Wochenschr 103:1081-6, 4 Aug 73 (Eng. Abstr.) (Ger)

URINE

- Comparative experiments on the urinary excretion of exogenous oxytocin and vasopressin. Jensen SE, et al.
Acta Endocrinol (Kbh) 73:643-50, Aug 73
- Proceedings: antidiuretic hormone response in patients undergoing surgery on high and conservative fluid regimes. Sinnatambhy CS, et al.
Br J Surg 60:899, Nov 73

PITUITARY

IV. Related Topics

HYPOPHYSECTOMY

- Ultrastructural study of the human anterior pituitary. Preliminary results. Rufener C, et al. *Acta Otolaryngol* (Stockh) 76:300-4, Oct 73
- Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica. Alvarez-Buylla R, et al. *Acta Physiol Lat Am* 23:75-82, 1973
- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
- Modification of the tryptophanyl residue and its effects on the immunological and biological activity of human chorionic somatomammotropin. Neri P, et al. *Biochim Biophys Acta* 322:88-94, 21 Sep 73
- In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp* (Bratisl) 7:207-14, Sep 73
- Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
- Effects of L-dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegalics. Singh P, et al. *Horm Res* 4:293-301, 1973
- Metabolic effects of plasmin digests of human growth hormone in the rat and man. Mills JB, et al. *J Clin Invest* 52:2941-51, Nov 73
- Effects of hypophysectomy on gingival glycosaminoglycans. Kofod JA. *J Comp Neurol* 52:423-5, May-Jun 73
- Effect of hypophysectomy on the growth hormone response to insulin-induced hypoglycaemia. Roberts MM, et al. *J Endocrinol* 58:637-41, Sep 73
- Effect of age, cryptorchidism and hypophysectomy on cyclic AMP concentration in rat testis. Hollinger MA. *J Reprod Fertil* 35:169-72, Oct 73
- Letter: Pituitary ablation for leucoerythroblastosis in carcinoma of breast. Bolton PM, et al. *Lancet* 2:1206, 24 Nov 73
- Ultrasonic hypophysectomy in acromegaly. Report of 41 cases. Arslan M. *ORL* 35:134-40, 1973
- A short review of the collaboration between the Utrecht departments of oto-rhinolaryngology and of neurosurgery and a contribution to some macro-surgical aspects of transsphenoidal hypophysectomy. Verhies H. *ORL* 35:240-7, 1973
- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. *South Med J* 66:747-53, Jul 73
- Laser microsurgery in experimental otolaryngology. Hobeika CP, et al. *Trans Am Acad Ophthalmol Otolaryngol* 76:325-33, Mar-Apr 72
- [Current status of the treatment of Cushing syndromes in adults] Bricaire H, et al. *Acquis Med Recent* 33-47, 1972 (Fre)
- [Diabetic retinopathy and pituitary function] Canivet J, et al. *Ann Endocrinol (Paris)* 34:174-80, Mar-Apr 73 (Fre)
- [Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murie N, et al. *Ann Endocrinol (Paris)* 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Indications for different methods of excision of the normal and diseased pituitary gland] Pecker J, et al. *Ann Endocrinol (Paris)* 34:181-9, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [The year in endocrinology] Albeaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)
- [Surgical treatment of pituitary adenoma] Hardy J. *Neurochirurgie* 19:Suppl 2:75-99, May 73 (Eng. Abstr.) (Fre)
- [Acromegaly-gigantism. Surgical treatment by transsphenoidal exeresis of the pituitary adenoma. Postoperative clinical and biological evaluation and therapeutic results] Somma M, et al.

Neurochirurgie 19:Suppl 2:101-16, May 73 (Eng. Abstr.) (Fre)

- [Hypophysectomy in acromegaly, with special reference to cases associated with severe diabetes] Kikuchi H. *Jap J Clin Med* 31:2271-5, Jul 73 (Jap)
- [State of peripheral endocrine glands 6 months after hypophysectomy, and their sensitivity to trophic hormones of the hypophysis] Fedotov VP, et al. *Probl Endokrinol (Mosk)* 19:59-63, Sep-Oct 73 (Rus)

ADVERSE EFFECTS

- Treatment of acromegaly by stereotaxic cryohypophysectomy. Franco PS, et al. *South Med J* 66:747-53, Jul 73
- [Diabetic retinopathy and pituitary function] Canivet J, et al. *Ann Endocrinol (Paris)* 34:174-80, Mar-Apr 73 (Fre)

INSTRUMENTATION

- A short review of the collaboration between the Utrecht departments of oto-rhinolaryngology and of neurosurgery and a contribution to some macro-surgical aspects of transsphenoidal hypophysectomy. Verhies H. *ORL* 35:240-7, 1973

LACTATION

- Factors affecting peripheral cortisol levels in unrestricted ewes. Thurley DC, et al. *Acta Endocrinol (Kbh)* 74:331-7, Oct 73
- Reproductive biology of *Eonycteris spelaea*, Dobson (Megachiroptera) in West Malaysia. Beck AJ, et al. *Acta Trop (Basel)* 30:251-60, 1973
- Rapeseed meal as a protein supplement for dairy cows. I. The influence on certain blood and milk parameters. Iwarsson K. *Acta Vet Scand* 14:570-94, 1973
- Long-term effects of maternal and infant feeding. Roeder LM. *Am J Clin Nutr* 26:1120-3, Oct 73 (24 ref.)
- Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al. *Am J Obstet Gynecol* 117:757-73, 15 Nov 73
- Relaxin in porcine corpora lutea during pregnancy and after hysterectomy. Anderson LL, et al. *Am J Physiol* 225:1215-9, Nov 73
- Postbreeding flushing of first-litter crossbred gilts, with a note on efficacy of crossbred versus purebred boars in total confinement. Baker DH. *Am J Vet Res* 34:1051-2, Aug 73
- Experimentally induced coliform mastitis: inoculation of udders with serum-sensitive and serum-resistant organisms. Carroll EJ, et al. *Am J Vet Res* 34:1143-6, Sep 73
- Myotonic effect of bovine follicular fluid on estrous and diestrous rat uteri in vitro and on bovine mammary gland in vivo. Eller H, et al. *Am J Vet Res* 34:1267-70, Oct 73
- Vaccination of calves and milking cows with different strains of *Theileria annulata*. Hashemi-Fesharki R, et al. *Am J Vet Res* 34:1465-7, Nov 73
- Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al. *Am J Vet Res* 34:1409-19, Nov 73
- Maternal behavior of undernourished mother rats. Smart JL, et al. *Anim Behav* 21:613-9, Aug 73
- Effect of ethanol on the rate of elimination of galactose in women during the puerperium. Kesäniemi YA. *Ann Clin Res* 5:101-3, Apr 73
- Stimulation by insulin of ornithine decarboxylase activity in cultured mammary tissue. Alshitt RP, et al. *Biochim Biophys Acta* 320:610-6, 5 Oct 73
- Epinephrine- and prostaglandin-sensitive adenylyl cyclase in mammary gland. Bär HP. *Biochim Biophys Acta* 321:397-406, 15 Sep 1973
- Characterization of a distinct glucocorticoid-binding protein in the lactating mammary gland of the rat. Gardner DG, et al. *Biochim Biophys Acta* 320:617-27, 5 Oct 73
- Proteolytic enzyme activity in the gut of doe-suckled

- and hand-reared rabbits. Henschel MJ. *Br J Nutr* 30:351-9, Sep 73
- Sulphur as a nutrient for Merino sheep. 1. Storage of sulphur in tissues and wool, and its secretion in milk. Langlands JP, et al. *Br J Nutr* 30:529-35, Nov 73
- The nursing and suckling behaviour of pigs. I. The importance of stimulation of the anterior teats. Fraser D. *Br Vet J* 129:324-36, Jul-Aug 73
- A statistical appraisal of the results of metabolic profile tests on 75 dairy herds. Payne JM, et al. *Br Vet J* 129:370-81, Jul-Aug 73
- Changes in acidic chromatin proteins during mammary cell differentiation. Kadohama N, et al. *Can J Biochem* 51:1167-76, Aug 73
- Specific estrogen binding in vivo in the R3230AC mammary adenocarcinoma of the rat. Boylan ES, et al. *Cancer Res* 33:2903-8, Nov 73
- Effects of dimethylbenz(a)anthracene and dihydrotestosterone on estradiol-17 beta binding in rat mammary cytosol fraction. Keightley DD, et al. *Cancer Res* 33:2637-42, Nov 73
- Insulin dependence of milk formation and lactose biosynthesis. Frohlich A, et al. *Clin Chim Acta* 47:33-8, 17 Aug 73
- Intramammary infections produced by various strains of *Staphylococcus epidermidis* and *Micrococcus*. Brown RW. *Cornell Vet* 63:630-45, Oct 73
- Spontaneous and testosterone-induced pup killing in female Rockland-Swiss mice: the effect of lactation and the presence of young. Gandelman R, et al. *Dev Psychobiol* 6:251-7, May 73
- The hypothalamic areas involved in the control of mammotrophic and lactotrophic processes in sheep. Domański E, et al. *Endocrinol Exp (Bratisl)* 7:229-46, Sep 73
- Postnatal effects of maternal exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Moore JA, et al. *Environ Health Perspect* 5:81-5, Sep 73
- Prolactin production by monkey (*Macaca mulatta*) anterior pituitaries cultured in vitro. Gaia RR. *Horm Res* 4:157-68, 1973
- Effect of nonsuckling period on pituitary prolactin secretory activity in rats. Yanal R, et al. *Horm Res* 4:169-76, 1973
- The immune response of the lactating rat to *Nippostrongylus brasiliensis*. Connan RM. *Immunology* 25:261-7, Aug 73
- Gas-liquid chromatographic determination of chlorfenvinphos in milk, eggs, and body tissues of cattle and chickens. Ivey MC, et al. *J Agric Food Chem* 21:822-4, Sep-Oct 73
- Isolation and identification of prothymosin (isopropyl carbanilate) metabolites from the rat and the goat. Paulson GD, et al. *J Agric Food Chem* 21:804-11, Sep-Oct 73
- Observations on the intranasal vaccination of pregnant cattle against infectious bovine rhinotracheitis and parainfluenza-3 virus infection. Kahrs RF, et al. *J Am Vet Med Assoc* 163:437-41, 1 Sep 73
- Growth and reproductive performance of beef females fed high urea-containing diets. Bond J, et al. *J Anim Sci* 37:1040-7, Oct 73
- Postweaning performance of pigs from gilts fed diets high and low in protein during gestation and lactation. DeGeeter MJ, et al. *J Anim Sci* 37:459-62, Aug 73
- Genetic relationships among milk yield, growth, feed intake and efficiency in laboratory mice. Jara-Almonie M, et al. *J Anim Sci* 37:410-6, Aug 73
- Evaluation of supplemental choline for reproducing sows housed in total confinement on concrete or in dirt lots. Kornegay ET, et al. *J Anim Sci* 37:506-9, Aug 73
- Evaluation of dietary calcium and phosphorus for reproducing sows housed in total confinement on concrete or in dirt lots. Kornegay ET, et al. *J Anim Sci* 37:493-500, Aug 73
- Absorption and tissue zinc content in lactating dairy cows as affected by low dietary zinc. Neathery MW, et al. *J Anim Sci* 37:848-52, Sep 73
- Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al. *J Anim Sci* 37:523-7, Aug 73
- Simplified diets based on barley for reproducing swine. Young LG, et al. *J Anim Sci* 37:898-905, Oct 73
- Neurophysin in women during oxytocin-related events. Robinson AG, et al. *J Clin Endocrinol Metab* 37:645-52, Nov 73
- The effects of pregnancy, lactation and involution on the metabolism of glucose and acetate by rat liver tissue. Smith RW. *J Dairy Res* 40:339-51, Oct 73
- The effects of pregnancy, lactation and involution on the metabolism of glucose by rat parametrial adipose tissue. Smith RW. *J Dairy Res* 40:353-60, Oct 73
- Sulfur requirement of lactating dairy cows. 3. Fate of sulfur-35 from sodium and calcium sulfate. Bouchard R, et al. *J Dairy Sci* 56:1435-8, Nov 73
- Sulfur requirement of lactating dairy cows. II. Utilization of sulfates, molasses, and lignin-sulfonate. Bouchard R, et al. *J Dairy Sci* 56:1429-34, Nov 73
- Sulfur requirement of lactating dairy cows. I. Sulfur balance and dietary supplementation. Bouchard R, et al. *J Dairy Sci* 56:1276-82, Oct 73
- Factors influencing phospholipids and cholesterol in skim milk: effect of short interval milkings. Patton S, et al. *J Dairy Sci* 56:1473-6, Nov 73
- Intramammary pressure and mammary blood flow in lactating goats. Pearl SL, et al. *J Dairy Sci* 56:1319-23, Oct 73
- Effect of glucose and insulin on lipoprotein lipase activity in adipose tissue and milk. Rao DR, et al. *J Dairy Sci* 56:1415-9, Nov 73
- Electrophoretic characterization of bovine serum lipoproteins throughout gestation and lactation. Raphael BC, et al. *J Dairy Sci* 56:1411-4, Nov 73
- Pesticide residues in milk and in tissues following long, low 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake. Whiting FM, et al. *J Dairy Sci* 56:1324-8, Oct 73
- Oestrogen receptors in the mammary gland of the lactating rat. Hsueh AJ, et al. *J Endocrinol* 58:503-11, Sep 73
- Lactogenesis in the dalmatian rat. Kyriakou SY, et al. *J Endocrinol* 59:199-200, Oct 73
- Effects of extended lactation and 9 alpha-fluoroprednisolone acetate on serum thyroxine and lactational performance. Lorscheider FL, et al. *J Endocrinol* 58:393-403, Sep 73
- Changes in concentration of prolactin and adrenal corticosteroids in rat plasma during pregnancy and lactation. Simpson AA, et al. *J Endocrinol* 58:675-6, Sep 73
- Maternal behavior in the California sea otter. Sandegren FE, et al. *J Mammal* 54:668-79, Aug 73
- Hormonal regulation of rapidly labeled RNA in normal preneoplastic and neoplastic tissues of mouse mammary gland. Banerjee DJ, et al. *J Natl Cancer Inst* 51:843-9, Sep 73
- Nutritional iron deficiency as a determinant of host resistance in the rat. Baggs RB, et al. *J Nutr* 103:1554-60, Nov 73
- Studies of the protein requirement of the neonatal rat. Czajka-Narins DM, et al. *J Nutr* 103:1608-15, Nov 73
- Differential effects of protein-calorie restriction and subsequent repletion on neuronal and nonneuronal components of cerebral cortex in newborn rats. Slassi F, et al. *J Nutr* 103:1625-33, Nov 73
- Hepatic nuclear glycogenosis in the cow: a light- and electron-microscope study. Reid IM. *J Pathol* 110:267-70, Jul 73
- The relationship between plasma progesterone concentration and conception in post-partum dairy cows maintained on two levels of nutrition. Folman Y, et al. *J Reprod Fertil* 34:267-78, Aug 73
- Plasma cholesterol levels in suckling and weaned calves, lambs, pigs, and goats. Carroll KK, et al. *Lipids* 8:635-40, Nov 73
- Preferential labelling of brain cholesterol by (3-14C)D(-)-3-hydroxybutyrate. Devivo DC, et al. *Lipids* 8:649-51, Nov 73
- Winter sleep in the black bear. A physiologic and metabolic marvel. Nelson RA. *Mayo Clin Proc* 48:733-7, Oct 73
- Breast-feeding, rooming-in, demand-feeding and houses of correction. Mohhs EJ. *Med J Aust* 2:339-41, 18 Aug 73
- Lactational tetany in cats. *Mod Vet Pract* 54:95 passim, Sep 73
- Letter: Lactation, sebum excretion and melanocyte-stimulating hormone. Burton JL, et al. *Nature* 243:349-50, 8 Jun 73
- Immunity in the parasitic relationship between helminths and hosts. Ogilvie BM, et al. *Frog Allergy* 17:93-144, 1973
- Hormonal regulation of gene expression in mammary cells. Turkington RW, et al. *Recent Prog Horm Res* 29:417-55, 1973 (70 ref.)
- The effect of lactation on the length of the post partum anovulatory period: an application of a bivoltine stochastic model. Ginsberg RB. *Theor Popul Biol* 4:276-99, Sep 73
- Milk production by Wisconsin dairy cattle after

- deworming with BAYMIX. Bliss D, et al.
Vet Med Small Anim Clin 68:1034 passim, Sep 73
 Pancreatic and hepatic ultrastructure in offspring of rabbits with protein malnutrition. Wellmann KF, et al.
Virchows Arch [Pathol Anat] 360:327-37, 1973
 Adaptations of the digestive tract during reproduction in the mammal. Fell BF.
World Rev Nutr Diet 14:180-256, 1972 (388 ref.)
 [Effect of urea content of the diet on free aminoacidemia in lactating goats] Champredon C, et al.
Ann Biol Anim Biochim Biophys 12:307-20, 1972 (Eng. Ahstr.) (Fre)
 [Confirmation of development of the exocrine pancreas enzymatic systems in the rabbit from birth to 6 weeks] Corring T, et al.
Ann Biol Anim Biochim Biophys 12:221-31, 1972 (Eng. Ahstr.) (Fre)
 [Isolated and combined effects of acetic, propionic, lauric and stearic acids on lipid secretion of goat udder] Fehr PM, et al.
Ann Biol Anim Biochim Biophys 12:289-306, 1972 (Eng. Ahstr.) (Fre)
 [Observations on reproduction in wild swine (*Sus scrofa* L.)] Mauget R.
Ann Biol Anim Biochim Biophys 12:195-202, 1972 (Eng. Ahstr.) (Fre)
 [Ultrastructural observations on mammary and hind parathyroid glands under normal and experimental conditions] Stoeckel ME, et al.
Arch Anat Microsc Morphol Exp 62:55-88, Jan-Mar 73 (Eng. Ahstr.) (Fre)
 [Blood indices of sows in leptospirosis (experimental data)] Azarian RP. *Veterinarila* 11:62-3, Nov 72 (Rus)
 [Effect of trace elements on the body of cows] Kozlov NN, et al. *Veterinarila* 9:80-1, Sep 72 (Rus)

DRUG EFFECTS

- Effect of locally implanted oestrogen on the response of the rat's lactating mammary gland to oxytocin. Bruce JD, et al.
Acta Endocrinol (Kbh) 73:700-12, Aug 73
 Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants; effects of oxytocin. Bruce JD, et al.
Acta Endocrinol (Kbh) 73:713-20, Aug 73
 Influence of vasoactive hormones on blood flow through the mammary artery in lactating cows. Dhondt G, et al.
Arch Int Pharmacodyn Ther 204:89-104, Jul 73
 The distribution of vasopressin and oxytocin in the hypothalamoneurohypophyseal system of the guinea-pig. Bisset GW, et al.
Br J Pharmacol 48:263-72, Jun 73
 Orthodromic and antidromic activation of the paraventricular nucleus of the hypothalamus in the rabbit. Novin D, et al. *Exp Neurol* 41:418-30, Nov 73
 Effects of large vitamin C in guinea pigs and rats. Nandi BK, et al. *J Nutr* 103:1688-95, Dec 73
 A new approach to the inhibition of puerperal lactation. Rolland R, et al.
J Obstet Gynaecol Br Commonw 80:945-51, Nov 73
 The inhibition of lactation by clomiphene. Zuckerman H, et al.
J Obstet Gynaecol Br Commonw 80:822-3, Sep 73
 A clinical study of lactation suppression. Schwartz DJ, et al. *Obstet Gynecol* 42:599-606, Oct 73
 Pup survival and prolactin levels in nicotine-treated lactating rats. Terkel J, et al.
Proc Soc Exp Biol Med 143:1131-5, Sep 73
 Clinical evaluation of a normophasic oral contraceptive. Notelovitz M. *S Afr Med J* 47:1943-7, 20 Oct 73
 Toxicology of a butylene glycol adipic acid polyester. Fancher OE, et al.
Toxicol Appl Pharmacol 26:58-62, Sep 73
 Multigeneration reproductive effects of three pesticides in rats. Kennedy GL Jr, et al.
Toxicol Appl Pharmacol 25:589-96, Aug 73
 Proceedings: Some observations on the use of dexamethasone T.M.A. for the induction of premature calving. O'Farrell KJ, et al. *Vet Rec* 93:75, 21 Jul 73
 [Neuro-hormonal control of the secretion of the p.l.f. (author's transl)] Marchandise B.
Ann Endocrinol (Paris) 34:308-10, May-Jun 73 (Fre)
 [Ketosis induction by feeding measures including the administration of thyroxine in lactating cows] Drepper K, et al.
Berl Munch Tierärztl Wochenschr 86:281-3, 1 Aug 73 (Eng. Ahstr.) (Ger)

THYROID

I. Physical and Functional Aspects

THYROID GLAND

- The influence of mycoplasmas on the cytopathic effect of varicella virus. Slack PM, et al.
Arch Gesamte Virusforsch 42:88-95, 1973
- Comparison of the aerosol stabilities of foot-and-mouth disease virus suspended in cell culture fluid or natural fluids. Barlow DF, et al. J Gen Virol 20:311-8, Sep 73
- Potential organ- or tumor-imaging agents. 13.
19-Radioliodinated steroids. Counsell RE, et al.
J Med Chem 18:945-7, Aug 73
- Geometrical efficiency distortions with the pin-hole gamma camera. Depresseux JC.
Nucl Med (Stuttg) 12:169-77, 31 Aug 73
- [Effect of a high-fat diet and ageing on depot adipose tissue and on the thyroid gland (author's transl)] Felt V.
Cesk Gastroenterol Vyz 27:371-4, Sep 73 (Eng. Abstr.) (Cze)
- [Function of thyroid gland in pregnant women in the light of clinical and experimental studies] Boczkowski Z. Ginekol Pol 44:1077-9, 1973 (Pol)

ABNORMALITIES

- Dislocations and malformations of the thyroid glands experimentally produced in 4-day-old chick embryos. Lemež L. Folia Morphol (Praha) 21:121-4, 1973
- [Congenital athyreosis and favus (regression of mycosis, resistant to griseofulvin, under treatment with thyroedine)] Aravifskif AN, et al.
Vestn Dermatol Venerol 47:86-8, May 73 (Rus)

ANALYSIS

- Excessive lipofuscin accumulation in the thyroid gland in mucoviscidosis. Borel DM, et al.
Arch Pathol 96:269-71, Oct 73
- Effects of calcium, isuprel and inderal on the calcitonin content of rat thyroid glands. Broulik PD, et al.
Endocrinol Exp (Bratisl) 7:183-7, Sep 73
- Depletion of secretory granules, calcitonin, and formaldehyde-ozone-induced fluorescence from cat thyroid C cells by vitamin D2 treatment. Håkanson R, et al. Histochemie 36:89-96, 19 Jul 73
- Adult-onset primary oxalosis with complete heart block. West RR, et al.
Johns Hopkins Med J 133:195-200, Oct 73
- Effect of a high calcium prepartal diet on calcium homeostatic mechanisms in thyroid glands, bone, and intestine of cows. Black HE, et al.
Lab Invest 29:437-48, Oct 73
- [Iodine distribution (125I and 127I) of a thyroid tissue in a patient with Hashimoto's disease (author's transl)] Etling N.
Ann Endocrinol (Paris) 34:295-302, May-Jun 73 (Eng. Abstr.) (Fre)
- [Biological fate of thyrotropin-releasing hormone (TRH)] Sakuma M, et al.
Folia Endocrinol Jap 49:1186-97, 20 Sep 73 (Eng. Abstr.) (Jap)

ANATOMY & HISTOLOGY

- Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radioliodine therapy. Gordin A.
Acta Endocrinol (Kbh) 74:283-95, Oct 73
- Late effects of irradiation on the thyroid gland in mice.

- 3-Comparison between irradiation of fetuses and adults. Wallinder G, et al.
Acta Radiol [Ther] (Stockh) 12:201-8, Jun 73
- The effect of feeding rapeseed meal on thyroid function and morphology in growing bulls. Iwarsson K, et al. Acta Vet Scand 14:810-29, 1973
- Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. Iwarsson K, et al. Acta Vet Scand 14:595-609, 1973
- Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al.
Proc Soc Med Exp Biol Med 143:948-53, Sep 73

BLOOD SUPPLY

- Transplantation of canine larynx and hypopharynx with thyroid and parathyroid glands using continuous hypothermic perfusion. Tolvio I, et al.
Acta Otolaryngol (Stockh) 76:70-4, Jul 73
- Preoperative localization of abnormal parathyroid tissue. Cumulative experience with venous sampling and arteriography. Bilezikian JP, et al.
Am J Med 55:505-14, Oct 73
- Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shimkin PM, et al.
Am J Surg 128:534-8, Oct 73
- Repeated neck exploration in primary hyperparathyroidism: localization of abnormal glands by selective thyroid arteriography, selective venous sampling, and radioimmunoassay. Wells SA Jr, et al.
Surgery 74:878-86, Nov 73

CYTOLOGY

- Ultrastructural alterations of the follicular basement membrane in Hashimoto's thyroiditis. Report of eight cases with basement deposits. Kalderon AE, et al.
Am J Med 55:485-91, Oct 73
- Ultrastructural localization of alkaline phosphatase activity in the developing thyroid gland of the rat. Calvert R. Anat Rec 177:359-75, Nov 73
- Ultimobranchial follicles and cysts in the rat thyroid during postnatal development. Christov K, et al.
Beitr Pathol 149:47-59, May 73
- A comparison of the subcellular distribution of 5'-nucleotidase, (Na⁺-K⁺)-ATPase and adenylyl cyclase in beef thyroid gland. Matsuzaki S, et al.
Biochim Biophys Acta 313:329-37, 28 Jul 73
- Gastric parietal cell antibodies in young men with alcoholism and with non-ulcer dyspepsia. Roberts DM, et al. Digestion 9:30-5, 1973
- Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radioliodinated thyrotropin to reassociated cells. Fayet G, et al.
FEBS Lett 32:299-302, 1 Jun 73
- Cyclic AMP and thyroid hormone synthesis. I. Stimulation of the biosynthesis of thyroglobulin-related polypeptides and proteins in bovine thyroid slices. Salabé H, et al.
Horm Res 4:274-87, 1973
- Effect of a high calcium prepartal diet on calcium homeostatic mechanisms in thyroid glands, bone, and intestine of cows. Black HE, et al.
Lab Invest 29:437-48, Oct 73
- Letter: Immunoglobulin deposits on thyroid-cell surface in Graves' disease. Khalid BA, et al.
Lancet 2:1090, 10 Nov 73
- Ultrastructural organ-specificity and polymorphism of

THYROID GLAND

THYROID

the cancer cells. Raikhlin NT.
Neoplasma 20:567-78, May 73
The role of microtubules and microfilaments in thyroid secretion. Wolff J, et al.
Recent Prog Horm Res 29:229-85, 1973 (205 ref.)
Rat thymocytes. The allogeneic response and syngeneic effects in mixed cultures with tissue cells from various organs. Lane JT, et al.
Transplantation 16:602-9, Dec 73

DRUG EFFECTS

Adrenergic beta receptor inhibition and hyperthyroidism. Malcolm J.
Acta Cardiol (Brux) Suppl 15:307-2, 1972
On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al.
Acta Endocrinol (Kbh) 74:296-306, Oct 73
Possible role of cyanide and thiocyanate in the etiology of endemic cretinism. Ermans AM, et al.
Adv Exp Med Biol 30:455-86, 1972 (89 ref.)
Thyroid iodine metabolism in vitro. II. Effect of lithium ion. Männistö PT. Ann Med Exp Biol Fenn 51:42-5, 1973
Role of sodium ion in active transport of iodide by cultured thyroid cells. Bagchi N, et al.
Biochim Biophys Acta 318:235-51, 22 Aug 73
Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al.
Biochim Biophys Acta 313:320-8, 28 Jul 73
Partial characterization of the thyroid proteinase of the burbot, *Lota lota* L. Wiggs AJ.
Comp Biochem Physiol [A] 45:869-82, 1 Jul 73
Effects of calcium, isuprel and inderal on the calcitonin content of rat thyroid glands. Broulik PD, et al.
Endocrinol Exp (Bratisl) 7:183-7, Sep 73
Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolabeled thyrotropin to reassociated cells. Fayet G, et al.
FEBS Lett 32:299-302, 1 Jun 73
Gonadal hormones and thyroid function in the spotted muntia, *Lonchura punctulata*. Chandola A, et al.
Gen Comp Endocrinol 21:305-13, Oct 73
The response of hagfish thyroid tissue to thyroid inhibitors and to mammalian thyroid-stimulating hormone. Kerkof PR, et al.
Gen Comp Endocrinol 21:231-40, Oct 73
Effects of pituitary hormones, melatonin, and thyroidal inhibitors on radiolabeled uptake by the thyroid glands of larval and adult tiger salamanders, *Ambystoma tigrinum* (Amphibia: Caudata). Norris DO, et al.
Gen Comp Endocrinol 21:368-76, Oct 73
Depletion of secretory granules, calcitonin, and formaldehyde-ozone-induced fluorescence from cat thyroid C cells by vitamin D2 treatment. Håkanson R, et al. Histochemie 36:89-96, 19 Jul 73
Cyclic AMP and thyroid hormone synthesis. I. Stimulation of the biosynthesis of thyroglobulin-related polypeptides and proteins in hovine thyroid slices. Salabé H, et al.
Horm Res 4:274-87, 1973
The effects of modification of the COOH-terminal regions of hovine thyrotropin and its subunits. Cheng KW, et al. J Biol Chem 248:7930-7, 25 Nov 73
Effects of extended lactation and 9 alpha-fluoroprednisolone acetate on serum thyroxine and lactational performance. Lorscheider FL, et al.
J Endocrinol 58:393-403, Sep 73
Simultaneous measurement of thyroidal trapping (^{99m}TcO₄) and binding (¹³¹I-): clinical and experimental studies in man. Hays MT, et al.
J Nucl Med 14:785-92, Nov 73
Alcohol-stimulated calcitonin release in medullary carcinoma of the thyroid. Cohen SL, et al.
Lancet 2:1172-3, 24 Nov 73
Letter: Lithium and the thyroid. Kirkegaard C, et al.
Lancet 2:1210, 24 Nov 73
Biological effects of autoxidized safflower oils. Nakamura M, et al. Lipids 8:566-72, Oct 73
Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al.
Metabolism 23:1357-65, Nov 73
Prostaglandins. Horton EW.
Monogr Endocrinol 7:1-197, 1972 (286 ref.)
Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dihydropyridyl cyclic AMP on pituitary-thyroid and adrenocortical systems in

mother and neonate. D'Angelo SA, et al.
Proc Soc Exp Biol Med 143:941-7, Sep 73
Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on ¹³¹I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al.
Proc Soc Exp Biol Med 143:1062-6, Sep 73
Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. Otake M, et al.
Proc Soc Exp Biol Med 144:538-43, Nov 73
Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al.
Proc Soc Exp Biol Med 143:948-53, Sep 73
The role of microtubules and microfilaments in thyroid secretion. Wolff J, et al.
Recent Prog Horm Res 29:229-85, 1973 (205 ref.)
Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al.
South Med J 66:1247-9, Nov 73
Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Fregly MJ. Toxicol Appl Pharmacol 25:560-8, Aug 73
The toxicity of amiloride in the rat. Gaines TB, et al.
Toxicol Appl Pharmacol 26:118-29, Sep 73
[Evolution of the activity of several endocrine glands in cholesterol fed rabbits (author's transl)] Marqué G, et al.
Ann Endocrinol (Paris) 34:271-81, May-Jun 73 (Fre)
[TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al.
Nucl Med (Stuttg) 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)
[Pseudocarcinomatous lesions of thyroid gland after treatment with antithyroid drugs (author's transl)] Schauer A, et al.
Verh Dtsch Ges Kreislaufforsch 56:369-73, 1972 (Eng. Abstr.) (Ger)
[Clobefibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al.
Rev Esp Fisiol 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Ultrastructural localization of alkaline phosphatase activity in the developing thyroid gland of the rat. Calvert R. Anat Rec 177:359-75, Nov 73
Thyroid function in the foetal lamb during the last third of gestation. Nathanielsz PW, et al.
J Endocrinol 58:535-46, Sep 73

ENZYMOLGY

Studies on the mechanism of iodination supported by thyroidal NADPH-cytochrome c reductase. Hatl RN, et al. Acta Endocrinol (Kbh) 74:271-82, Oct 73
Ultrastructural localization of alkaline phosphatase activity in the developing thyroid gland of the rat. Calvert R. Anat Rec 177:359-75, Nov 73
Subcellular distribution of cyclic AMP-dependent protein phosphotransferases in horse thyroid gland. Sand G, et al.
Arch Int Physiol Biochim 80:984-5, Dec 72
A comparison of the subcellular distribution of 5'-nucleotidase, (Na⁺-K⁺)-ATPase and adenyl cyclase in beef thyroid gland. Matsuzaki S, et al.
Biochim Biophys Acta 313:329-37, 28 Jul 73
Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. Biochimie 55:263-7, 1973
The levels of superoxide dismutase and catalase in human tissues as determined immunochemically. Hartz JW, et al. Clin Chim Acta 46:125-32, 28 Jun 73
Partial characterization of the thyroid proteinase of the burbot, *Lota lota* L. Wiggs AJ.
Comp Biochem Physiol [A] 45:869-82, 1 Jul 73
Subcellular distribution of peroxidase activity in human thyroid tissue. Valenta LJ, et al.
J Clin Endocrinol Metab 37:560-9, Oct 73
The cytochemical application of new potent inhibitors of alkaline phosphatases. Borgers M.
J Histochem Cytochem 21:812-24, Sep 73
Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. Otake M, et al.
Proc Soc Exp Biol Med 144:538-43, Nov 73
The role of microtubules and microfilaments in thyroid secretion. Wolff J, et al.
Recent Prog Horm Res 29:229-85, 1973 (205 ref.)
[Phospholipase A1 and A2 in beef thyroid] Wolf M de, et al. Arch Int Physiol Biochim 80:966-7, Dec 72 (Dut)

[Effects of guanyl nucleotide on adenylyl cyclase activity of human thyroid gland] Sato S, et al.
Folia Endocrinol Jap 49:1207-14, 20 Sep 73 (Eng. Abstr.) (Jap)

GROWTH & DEVELOPMENT

Ultimobranchial follicles and cysts in the rat thyroid during postnatal development. Christov K, et al. Beitr Pathol 149:47-59, May 73

[Relation of lipolytic activity to thyroid gland function at different stages of ontogenesis] Nikitin VN, et al. Dokl Akad Nauk SSSR 212:262-4, 1 Sep 73 (Rus)

IMMUNOLOGY

Studies on tissue-specific antigens and cellular membranes. Okada S.

Acta Pathol Jap 23:249-51, May 73

Immunologic findings in idiopathic cardiomyopathy: a prospective serial study. Kirsner AB, et al. Am Heart J 86:625-30, Nov 73

Ultrastructural alterations of the follicular basement membrane in Hashimoto's thyroiditis. Report of eight cases with basement deposits. Kalderon AE, et al. Am J Med 55:485-91, Oct 73

Pathogenesis of iodine-induced thyrotoxicosis: studies in northern Tasmania. Vidor GI, et al. J Clin Endocrinol Metab 37:901-9, Dec 73

The effects on rabbits of immunization with bovine thyroid-stimulating hormone and its subunits. Beall GN, et al. J Clin Invest 52:2988-92, Dec 73

Neutralizing and non-neutralizing antibodies to bovine thyroid-stimulating hormone and its subunits. Beall GN, et al. J Clin Invest 52:2979-85, Dec 73

Antithymophilic factor antigen. Localization in endothelial cells by immunofluorescent microscopy. Hoyer LW, et al. J Clin Invest 52:2737-44, Nov 73

Evaluation of a tanned red cell technique for thyroid microsomal antibodies. Bird T, et al. J Clin Pathol 26:623-7, Aug 73

Pernicious anemia with persistent malabsorption of vitamin B12 in a child. Maurer HS, et al. J Pediatr 83:832-4, Nov 73

Letter: Thyroid function after myocardial infarction. Burns-Cox CJ, et al. Lancet 2:964-5, 27 Oct 73

Letter: Immunoglobulin deposits on thyroid-cell surface in Graves' disease. Khalid BA, et al. Lancet 2:1090, 10 Nov 73

Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busseton population. Mathews JD, et al. Lancet 2:754-8, 6 Oct 73

Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 289:1111-7, 22 Nov 73

INJURIES

Management of penetrating wounds of the neck. Knightly JJ, et al. Am J Surg 126:575-80, Oct 73

[Cartilage embolism as an unusual expression of vital reaction] Brettle HF, et al. Z Rechtsmed 72:161-3, 30 Apr 73 (Eng. Abstr.) (Ger)

METABOLISM

Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Karlberg BE.

Acta Endocrinol (Kbh) 73:689-99, Aug 73

On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. Acta Endocrinol (Kbh) 74:296-306, Oct 73

The effect of feeding rapeseed meal on thyroid function and morphology in growing bulls. Iwarsson K, et al. Acta Vet Scand 14:810-29, 1973

Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. Iwarsson K, et al. Acta Vet Scand 14:595-609, 1973

Possible role of cyanide and thiocyanate in the etiology of endemic cretinism. Erman AM, et al. Adv Exp Med Biol 30:455-86, 1972 (89 ref.)

Cretinism and the fetal-maternal relationship. Stanbury JB.

Adv Exp Med Biol 30:487-505, 1972 (50 ref.)

Thyroid iodine metabolism in vitro. II. Effect of lithium ion. Männistö PT. Ann Med Exp Biol Fenn 51:42-5, 1973

Thyroid iodine metabolism in vitro. I. Experimental

technique. Männistö PT.

Ann Med Exp Biol Fenn 51:34-41, 1973

Ultimobranchial follicles and cysts in the rat thyroid during postnatal development. Christov K, et al. Beitr Pathol 149:47-59, May 73

Formation of retinol (alpha, beta-32P) pyrophosphate with (gamma-32P) ATP catalysed by whole homogenates of rat thyroid. Gaede K, et al.

Biochem Biophys Res Commun 54:76-81, 5 Sep 73

Role of sodium ion in active transport of iodide by cultured thyroid cells. Bagchi N, et al.

Biochim Biophys Acta 318:235-51, 22 Aug 73

Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al.

Biochim Biophys Acta 313:320-8, 28 Jul 73

A preliminary study on the action of cassava on thyroid iodine metabolism in rats. Van der Velden M, et al. Br J Nutr 30:511-7, Nov 73

Rapid radioimmunoassay of triiodothyronine. Sekadde CB, et al. Clin Chem 19:1016-21, Sep 73

Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some laboratory factors affecting assay results. Seth J.

Clin Chim Acta 46:431-41, 27 Jul 73

Iodoaminoacids in normal and iodine-deficient rat thyroids: comparison between 125I and 127I distribution. Volpert EM.

Endocrinology 93:1241-50, Dec 73

Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolabeled thyrotropin to reassociated cells. Fayet G, et al.

FEBS Lett 32:299-302, 1 Jun 73

Gonadal hormones and thyroid function in the spotted muntia, Lonchura punctulata. Chandola A, et al. Gen Comp Endocrinol 21:305-13, Oct 73

The response of hagfish thyroid tissue to thyroid inhibitors and to mammalian thyroid-stimulating hormone. Kerkof PR, et al.

Gen Comp Endocrinol 21:231-40, Oct 73

Accumulation of radiolodine in thyroids of chicks of the obese strain with hereditary thyroiditis and of their parental strain. Newcomer WS.

Gen Comp Endocrinol 21:322-30, Oct 73

Effects of pituitary hormones, melatonin, and thyroidal inhibitors on radiolodide uptake by the thyroid glands of larval and adult tiger salamanders, Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al.

Gen Comp Endocrinol 21:368-76, Oct 73

Cyclic AMP and thyroid hormone synthesis. I. Stimulation of the biosynthesis of thyroglobulin-related polypeptides and proteins in bovine thyroid slices. Salabé H, et al.

Horm Res 4:274-87, 1973

Studies on the binding activity for the long-acting thyroid stimulator. Dirmlikis S, et al. J Endocrinol 58:577-90, Sep 73

A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. Gray HW, et al. J Endocrinol 59:1-5, Oct 73

Simultaneous measurement of thyroidal trapping (99mTcO4-) and binding (131I-): clinical and experimental studies in man. Hays MT, et al. J Nucl Med 14:785-92, Nov 73

Measurement of 127I concentration in thyroid tissue by x-ray fluorescence. LeBlanc AD, et al. J Nucl Med 14:816-9, Nov 73

Editorial: Calcitonin in search of a function. Lancet 2:771-2, 6 Oct 73

Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al.

Metabolism 23:1357-65, Nov 73

Radiolodine uptake values in euthyroid, non-goitrous, prepubertal children in Greece. Anoussakis C, et al. Nucl Med (Stuttg) 12:14-25, 31 May 73

Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on 131-I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al.

Proc Soc Exp Biol Med 143:1062-6, Sep 73

Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al. Proc Soc Exp Biol Med 143:948-53, Sep 73

Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al. South Med J 66:1247-9, Nov 73

[Effect of a high-fat diet and ageing on depot adipose tissue and on the thyroid gland (author's transl)] Felt

V.
Cesk Gastroenterol Vyz 27:371-4, Sep 73 (Eng. Abstr.) (Cze)

[Resorption and distribution of aerosols of 131-I-albumin and 131-I in rat respiratory tract] Miksche L, et al.

Arch Int Pharmacodyn Ther 204:132-42, Jul 73 (Ger)
[Intrathyroid iodine metabolism and biological half-life of T4 in children] Kirsch W, et al.

Monatsschr Kinderheilkd 121:408-9, Jul 73 (Ger)
[TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al.

Nucl Med (Stuttg) 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)

[Iatrogenic strumata (author's transl)] Keminger K. Verh Dtsch Ges Kreislaufforsch 58:373-6, 1972 (Eng. Abstr.) (Ger)

[Experimental studies on biosynthesis of thyroxine from diiodotyrosine] Ito S, et al. Folia Endocrinol Jap 49:1167-76, 20 Sep 73 (Eng. Abstr.) (Jap)

[Effect of iodine compounds on the accumulation of I 131 in the thyroid gland and on the level of thyrotropin in blood plasma] Rachev R, et al.

Probl Endokrinol (Mosk) 19:99-105, Sep-Oct 73 (Rus)
[Goitrogenic activity of turnip: experimental study in rats (author's transl)] Muñoz-Rodríguez M, et al.

Rev Esp Fisiol 29:21-6, Mar 73 (Eng. Abstr.) (Spa)
[Clofibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al.

Rev Esp Fisiol 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

PATHOLOGY

The effect of feeding rapeseed meal on thyroid function and morphology in growing bulls. Iwarsson K, et al. Acta Vet Scand 14:610-29, 1973

Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. Iwarsson K, et al. Acta Vet Scand 14:595-609, 1973

Ultrastructural alterations of the follicular basement membrane in Hashimoto's thyroiditis. Report of eight cases with basement deposits. Kalderon AE, et al. Am J Med 55:485-91, Oct 73

Excessive lipofuscin accumulation in the thyroid gland in mucoviscidosis. Borel DM, et al. Arch Pathol 96:269-71, Oct 73

Carcinoma of the parathyroid gland. How reliable are the clinical and histologic features? Kay S, et al. Arch Pathol 96:316-9, Nov 73

Lymphoid tissue in the thyroid gland and thymus of patients with primary thyrotoxicosis. Beck JS, et al. Br J Surg 60:769-71, Oct 73

The surgical management of thyrotoxicosis. Pegg CA, et al. Br J Surg 60:765-9, Oct 73

Pathologic effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin in laboratory animals. Gupta BN, et al.

Environ Health Perspect 5:125-40, Sep 73
Dynamics of development of late pathomorphologic changes in the endocrine glands (bypophysis, thyroid, adrenals) after X-irradiation of newborn mice with sublethal doses. Chomiczewski K.

Folia Biol (Krakow) 21:153-67, 1973
Depletion of secretory granules, calcitonin, and formaldehyde-ozone-induced fluorescence from cat thyroid C cells by vitamin D2 treatment. Håkanson R, et al. Histochemie 36:89-96, 19 Jul 73

Effect of impairment of thyroid functions on intracranial bone tumours in AkR mice. Muranyi-Kovacs I, et al. Horm Res 4:122-8, 1973

Carcinoma of the thyroid in a stillborn male child. Saigal RK, et al. Indian J Pediatr 40:224-6, Jun 73

Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al. Int Surg 58:623-7, Sep 73

Demonstration by immunoperoxidase staining of hyperplasia of parafollicular cells in the thyroid gland in hyperparathyroidism. LiVolsi VA, et al.

J Clin Endocrinol Metab 37:550-9, Oct 73
Treatment of hyperthyroidism with sodium I 131. Carcinoma of the thyroid after 20 years. Kreps EM, et al. JAMA 226:774-5, 12 Nov 73

Letter: Virus-like particles in Hashimoto's disease and a variety of other tissues. Kahn LB. Lah Invest 29:350-1, Sep 73

Resistance potential of certain breeds of domestic fowl exposed to Rallicellina tetragona infections. 8. Effect

of thioracil on R. tetragona infections. Nadakal AM, et al. Poult Sci 52:1068-74, May 73

[Papillary epithelioma of the thyroid gland. Apropos of 2 familial cases] Lacour J, et al. Nouv Presse Med 2:2249-52, 29 Sep 73 (Eng. Abstr.) (Fre)

PHYSIOLOGY

T3 thyrotoxicosis. Gharib H, et al. Am Fam Physician 8:144-8, Nov 73

Effect of L-thyroxine on secretory response to histamine in ex vivo canine stomach perfused with homologous blood of thyroidectomized dog. Kowalewski K, et al. Am J Dig Dis 18:873-80, Oct 73

Effects of thyroid status on electrolyte distribution in rat tissues. Ismail-Beigi F, et al. Am J Physiol 225:1172-7, Nov 73

Neuronal and hormonal influences on the turnover of monoamine oxidase in salivary gland. Goridis C, et al. Biochem Pharmacol 22:2501-10, 15 Oct 73

Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats. Field FP, et al.

Can J Physiol Pharmacol 51:344-53, May 73
Ability of thyrocalcitonin to protect against hypercalcemia in adult rats. Harper C, et al.

Endocrinology 93:1354-9, Dec 73
Gonadal hormones and thyroid function in the spotted muntia, Lonchura punctulata. Chandola A, et al.

Gen Comp Endocrinol 21:305-13, Oct 73
Ultrastructural changes induced by pregnenolone-16 alpha-carbonitrile in the hepatocytes of thyro-parathyroidectomized and L-thyroxine-treated rats. Garg BD, et al. Horm Res 4:53-64, 1973

Bioassay of human plasma calcitonin. Mazzuoli GF, et al. Horm Res 4:190-6, 1973

Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradlová M, et al.

Int J Vitam Nutr Res 43:283-90, 1973
Evaluation of the changes of in vitro thyroid function tests during pregnancy (binding capacity of triiodothyronine, dosage of total thyroxine, free thyroxine and its computed T7-index). Spiessens H, et al.

J Belg Radiol 56:217-22, May-Jun 73
Thyroid function in the foetal lamb during the last third of gestation. Natbanielsz PW, et al.

J Endocrinol 58:535-46, Sep 73
Growth responses in thyroidectomized, hypophysectomized and alloxan diabetic rats infected with pericercoids of the tapeworm, Spirometra mansonioides. Rueggamer WR, et al.

J Nutr 103:1496-501, Oct 73
Comparison of degree of susceptibility of hyperthyroid and euthyroid animals to cardiac glycoside-induced arrhythmias. Thompson EB.

J Pharm Sci 62:1638-43, Oct 73
Lack of pituitary, adrenal, thyroid, gonadal, and pineal control of cyclic variation in antibacterial function of neutrophils. Alexander JW, et al.

J Reticuloendothel Soc 14:266-79, Sep 73
Effect of a high calcium prepartal diet on calcium homeostatic mechanisms in thyroid glands, bone, and intestine of cows. Black HE, et al.

Lah Invest 29:437-48, Oct 73
Editorial: Calcitonin in search of a function. Lancet 2:771-2, 6 Oct 73

Letter: Thyroid function. Hirst DV. Obstet Gynecol 42:627-8, Oct 73

The effect of fetal thyroidectomy on thyroid hormone metabolism in maternal and fetal sheep. Erenberg A, et al. Pediatr Res 7:870-7, Nov 73

Adaptations of the digestive tract during reproduction in the mammal. Fell BF. World Rev Nutr Diet 14:180-256, 1972 (388 ref.)

[Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Boubnlik J, et al.

Biochimie 55:323-8, 1973 (Eng. Abstr.) (Fre)
[Influence of thyroidectomy on the enzyme activities of hepatic mitochondria in rats] Clot JP, et al.

Biochimie 55:451-6, 1973 (Eng. Abstr.) (Fre)
[Stimulation of the hypophyseal-thyroid system during the perinatal period] Siebodziński AB.

Acta Physiol Pol [Suppl] 24:713-22, 1973 (Pol)
[Function of thyroid gland in pregnant women in the light of clinical and experimental studies] Boczkowski Z. Ginekol Pol 44:1077-9, 1973 (Pol)

[Hypothalamic control of thyroid function]

THYROID

THYROID GLAND

- Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)
[Relation of lipolytic activity to thyroid gland function at different stages of ontogenesis] Nikitin VN, et al. Dokl Akad Nauk SSSR 212:262-4, 1 Sep 73 (Rus)
[Participation of the thyroid gland in the mechanism of action of certain dissociative poisons] Medvedeva GI, et al. Patol Fiziol Eksp Ter 17:47-52, May-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

- Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. Ramirez G, et al. Ann Intern Med 79:500-4, Oct 73
Proceedings: changes in thyroid status after experimental femur fractures in the rat. Richards JR, et al. Br J Surg 60:903, Nov 73
Grades of hypothyroidism. Hall R, et al. Br Med J 3:695-6, 29 Sep 73
Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats. Fleid FP, et al. Can J Physiol Pharmacol 51:344-53, May 73
Effect of impairment of thyroid functions on intracranial bone tumours in AKR mice. Muranyi-Kovacs I, et al. Horm Res 4:122-8, 1973
Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra JJ, et al. J Clin Endocrinol Metab 37:955-67, Dec 73
Letter: Thyroid function after myocardial infarction. Burns-Cox CJ, et al. Lancet 2:964-5, 27 Oct 73
Letter: Thyroid function in affective disorders. Salvadorini F, et al. Lancet 2:964, 27 Oct 73
Depressed whole blood serotonin levels associated with behavioral abnormalities in the de Lange syndrome. Greenberg A, et al. Pediatrics 52:720-4, Nov 73
[Evolution of the activity of several endocrine glands in cholesterol fed rabbits (author's transl)] Marqué G, et al. Ann Endocrinol (Paris) 34:271-81, May-Jun 73 (Fre)
[Function of thyroid gland in pregnant women in the light of clinical and experimental studies] Boczkowski Z. Ginek Pol 44:1077-9, 1973 (Pol)
[Mechanism of the effect of disordered thyroid function on posthemorrhagic erythropoiesis] Lunina NV. Patol Fiziol Eksp Ter 17:61-3, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Relationship between liver disorders and thyroid gland function in patients with diabetes mellitus] Shevchenko IB, et al. Vrach Delo 6:64-6, Jun 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

- Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radiolodine treatment for hyperthyroidism. Gordin A, et al. Acta Med Scand 194:335-40, Oct 73
Late effects of irradiation on the thyroid gland in mice. 3. Comparison between irradiation of fetuses and adults. Walinder G, et al. Acta Radiol [Ther] (Stockh) 12:201-8, Jun 73
Dynamics of development of late pathomorphologic changes in the endocrine glands (hypophysis, thyroid, adrenals) after X-irradiation of newborn mice with sublethal doses. Chomiczewski K. Folia Biol (Krakow) 21:153-67, 1973
Serum thyrotrophin level and goiter in relation to childhood exposure to atomic radiation. Parker LN, et al. J Clin Endocrinol Metab 37:797-804, Nov 73
Graves' ophthalmopathy following external neck irradiation for nonthyroidal neoplastic disease. Wagnich RD, et al. J Clin Endocrinol Metab 37:703-13, Nov 73
Practical course in liquid scintillation counting. 8. Hazard and safety aspects of liquid scintillation counting. Price LW. Lab Pract 22:571-4, Sep 73
[Effect of ascorbic acid on hypercholesterolemia in hypothyroidism (author's transl)] Scholz A. Klin Wochenschr 51:518-9, 15 May 73 (Eng. Abstr.) (Ger)
[Ultrastructural changes in the plasma membrane of cells in pathological conditions] Lehkova NP. Arkh Patol 35:25-32, 1973 (Eng. Abstr.) (Rus)

RADIOGRAPHY

- [Evaluation of intrathyroid lymphography] Adamus J. Pol Przegl Radiol 37:527-31, Jul-Aug 73 (Eng. Abstr.) (Pol)

SECRETION

- Cretinism and the fetal-maternal relationship. Stanbury JB. Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
Letter: Whence the calcitonin. LiVolsi VA, et al. N Engl J Med 289:1314, 13 Dec 73
Letter: Thyroid function. Hirst DV. Obstet Gynecol 42:627-8, Oct 73
Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. Otake M, et al. Proc Soc Exp Biol Med 144:538-43, Nov 73
The role of microtubules and microfilaments in thyroid secretion. Wolff J, et al. Recent Prog Horm Res 29:229-85, 1973 (205 ref.)

SURGERY

- Advances in surgery. Ritchie HD. Practitioner 211:419-26, Oct 73 (35 ref.)
[Latero-vertical fixation in vocal cord palsies (author's transl)] Kressner A. Z Laryngol Rhinol Otol 52:646-55, Sep 73 (Eng. Abstr.) (Ger)

TRANSPLANTATION

- Transplantation of canine larynx and hypopharynx with thyroid and parathyroid glands using continuous hypothermic perfusion. Tolvio I, et al. Acta Otolaryngol (Stockh) 76:70-4, Jul 73
Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica. Alvarez-Buylla R, et al. Acta Physiol Lat Am 23:75-82, 1973

THYROID GLAND FUNCTION TESTS

- T3 thyrotoxicosis. Gharib H, et al. Am Fam Physician 8:144-6, Nov 73
Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates. Schenken JR, et al. Am J Clin Pathol 60:499-501, Oct 73
Thyrotoxicosis in pregnancy. Ayromloo J, et al. Am J Obstet Gynecol 117:818-23, 15 Nov 73
Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. Ramirez G, et al. Ann Intern Med 79:500-4, Oct 73
Evaluation of the changes of in vitro thyroid function tests during pregnancy (binding capacity of triiodothyronine, dosage of total thyroxine, free thyroxine and its computed T7-index). Splensens H, et al. J Belg Radiol 56:217-22, May-Jun 73
Growth hormone studies before and during catch-up growth in a child with emotional deprivation and short stature. Powell GF, et al. J Clin Endocrinol Metab 37:674-9, Nov 73
The effects on rabbits of immunization with bovine thyroid-stimulating hormone and its subunits. Beall GN, et al. J Clin Invest 52:2986-92, Dec 73
A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. Gray HW, et al. J Endocrinol 59:1-5, Oct 73
Letter: Thyroid function after myocardial infarction. Burns-Cox CJ, et al. Lancet 2:964-5, 27 Oct 73
Letter: Lithium and the thyroid. Kirkegaard C, et al. Lancet 2:1210, 24 Nov 73
Letter: Nomenclature of thyroid function tests. Mitchell JH, et al. Lancet 2:1336, 8 Dec 73
Letter: Thyroid function in affective disorders. Salvadorini F, et al. Lancet 2:964, 27 Oct 73
Thyrotoxic crisis and myxedema coma. Menendez CE, et al. Med Clin North Am 57:1463-70, Nov 73 (31 ref.)
Response to thyrotrophin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al. Metabolism 23:1357-65, Nov 73
Radiolodine uptake values in euthyroid, non-goitrous, prepubertal children in Greece. Anousakis C, et al. Nucl Med (Stuttg) 12:14-25, 31 May 73
A comparison of the diagnostic value of several tests of thyroid function. Koutras DA, et al. Nucl Med (Stuttg) 12:107-19, 31 Aug 73

- Letter: Thyroid function. Hirst DV.
Obstet Gynecol 42:827-8, Oct 73
- Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dihydroxy cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al.
Proc Soc Exp Biol Med 143:941-7, Sep 73
- Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al.
Proc Soc Exp Biol Med 143:948-53, Sep 73
- Evaluation of Achilles reflex time as a test of thyroid function. Gupta SP, et al. South Med J 66:754-8, Jul 73
- [Remarks on the specificity of changes in the time course of the Achilles tendon reflex (author's transl)] Vondra K, et al.
Cas Lek Cesk 112:1426-9, 16 Nov 73 (Eng. Abstr.) (Cze)
- [Usefulness of plasma TSH determination and of the TRH test in thyroid pathology (author's transl)] Lemarchand-Béraud T.
Ther Umsch 30:692-7, Oct 73 (Eng. Abstr.) (Fre)
- [Decompensation of autonomous thyroid adenoma after long-term iodine intake (author's transl)] Mahlstedt J, et al.
Dtsch Med Wochenschr 98:1748-51, 21 Sep 73 (Eng. Abstr.) (Ger)
- [Hypothyroidism after fractionated radiolodine treatment (author's transl)] Reinwein D, et al.
Dtsch Med Wochenschr 98:1789-95, 28 Sep 73 (Eng. Abstr.) (Ger)
- [Diagnostic value of the radiolodine two-phase test in endemic goiter area] Gehring D, et al.
Hippokrat 44:160-76, Jun 73 (Ger)
- [TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al.
Nucl Med (Stuttg) 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)
- [Comparative studies on the accuracy of in-vitro tests for thyroid diagnosis] Schmid HA, et al.
Nucl Med (Stuttg) 12:91-6, 31 Aug 73 (Eng. Abstr.) (Ger)
- [Clinical and pathophysiological aspects of triiodothyronine (author's transl)] Burger A.
Ther Umsch 30:698-700, Oct 73 (Eng. Abstr.) (Ger)
- [Assessment of thyroid function by means of serum thyroid hormone concentration and protein binding capacity (author's transl)] Kohler H, et al.
Ther Umsch 30:701-7, Oct 73 (Eng. Abstr.) (Ger)
- [Determination of the effective thyroxine ratio (ETR) (author's transl)] Rudorff KH, et al.
Z Klin Chem Klin Biochem 11:259-62, Jun 73 (Ger)
- [Toxic adenoma and thyroid diseases. Scintigraphic and clinical observations] Squadrito G, et al.
Minerva Med 64:2978-82, 4 Aug 73 (Ita)
- [Polyuria-polydipsia caused by a diarrhea syndrome in early childhood] Grassi A.
Minerva Pediatr 25:1184-97, 14 Aug 73 (Ita)
- [Nephrogenic diabetes] Grassi A.
Minerva Pediatr 25:1155-83, 14 Aug 73 (Ita)
- [Total and free serum thyroxine and triiodothyronine levels and the effect of estrogen in a family with thyroxine-binding globulin deficiency] Sakurada T, et al.
Folia Endocrinol Jap 49:1198-206, 20 Sep 73 (Eng. Abstr.) (Jap)
- [Triosorb, tetrasorb and ETR-interpretation of the test results] Iino S.
Jap J Clin Med 31:1672-91, 1973 (92 ref.) (Jap)
- [Function of thyroid gland in pregnant women in the light of clinical and experimental studies] Boczkowski Z.
Ginek Pol 44:1077-9, 1973 (Pol)
- [Acid mucopolysaccharide excretion and thyroid function tests in girls with juvenile goiter] Gehala A, et al. Pediatr Pol 48:1101-5, 1973 (Eng. Abstr.) (Pol)
- [Results of water-salt tests in women with hyperthyroidism] Malolepszy E.
Wlad Lek 26:1687-91, 15 Sep 73 (Eng. Abstr.) (Pol)
- [Nonenzymatic fibrinolysis in toxic goiter] Panchenko VM, et al.
Klin Med (Mosk) 51:92-8, Mar 73 (Eng. Abstr.) (Rus)
- [Study of the epidemiology of breast tumors in the Estonian SSR] Purde MK, et al.
Sov Med 36:138-40, Jun 73 (Rus)
- [Indices of the functional state of the thyroid gland in Itsenko-Cushing's disease] Shtegeman NA, et al.
Sov Med 35:79-82, Jun 72 (Eng. Abstr.) (Rus)
- [Pathogenesis and treatment of vitiligo] Borisenko KK.
Vestn Dermatol Venerol 47:11-6, May 73 (Eng. Abstr.) (Rus)

INSTRUMENTATION

- 20-Min 99mTc thyroid uptake: a simplified method using the gamma camera. Higgin HP, et al.
J Nucl Med 14:907-11, Dec 73

VETERINARY

- Thyroid function tests in domesticated animals: free thyroxine index. Kalfelz FA, et al.
Am J Vet Res 34:1449-51, Nov 73
- In vitro thyroid function test: results during replacement therapy in hypothyroid Beagle dogs. Hightower D, et al.
Vet Med Small Anim Clin 68:1131-2, Oct 73

THYROIDECTOMY

- Postoperative hypoparathyroidism. Hazards from vitamin D therapy. Fähræus B, et al.
Acta Chir Scand 139:437-41, 1973
- Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radiolodine therapy. Gordlin A.
Acta Endocrinol (Kbh) 74:283-95, Oct 73
- The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al.
Acta Endocrinol (Kbh) 73:672-80, Aug 73
- Cretinism and the fetal-maternal relationship. Stanbury JB.
Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
- Effect of L-thyroxine on secretory response to histamine in ex vivo canine stomach perfused with homologous blood of thyroidectomized dog. Kowalewski K, et al. Am J Dig Dis 18:873-80, Oct 73
- Thyrotoxicosis in pregnancy. Ayromloo J, et al.
Am J Obstet Gynecol 117:818-23, 15 Nov 73
- Effects of thyroid status on electrolyte distribution in rat tissues. Ismail-Belgi F, et al.
Am J Physiol 225:1172-7, Nov 73
- Follicular carcinoma of the thyroid. Tollefsen HR, et al.
Am J Surg 126:523-8, Oct 73
- The role of inspiratory dynamic compression in upper airway obstruction. Gibson GJ, et al.
Am Rev Respir Dis 108:1352-60, Dec 73
- Neuronal and hormonal influences on the turnover of monoamine oxidase in salivary gland. Goridis C, et al.
Biochem Pharmacol 22:2501-10, 15 Oct 73
- The surgical management of thyrotoxicosis. Pegg CA, et al. Br J Surg 60:765-9, Oct 73
- Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats. Field FP, et al.
Can J Physiol Pharmacol 51:344-53, May 73
- Ability of thyrocalcitonin to protect against hypercalcemia in adult rats. Harper C, et al.
Endocrinology 93:1354-9, Dec 73
- Ultrastructural changes induced by pregnenolone-16 alpha-carbonitrile in the hepatocytes of thyro-parathyroidectomized and L-thyroxine-treated rats. Garg BD, et al. Horm Res 4:53-64, 1973
- Bioassay of human plasma calcitonin. Mazzuoli GF, et al.
Horm Res 4:190-6, 1973
- Measurement of 127I concentration in thyroid tissue by x-ray fluorescence. LeBlanc AD, et al.
J Nucl Med 14:816-9, Nov 73
- Use of human thyrotrophin radioimmunoassay in the management of patients with thyroid carcinoma. Stahl TJ, et al. J Nucl Med 14:900-2, Dec 73
- Growth responses in thyroidectomized, hypophysectomized and alloxan diabetic rats infected with perocercoids of the tapeworm, Spirometra mansonioides. Ruegamer WR, et al.
J Nutr 103:1496-501, Oct 73
- Lack of pituitary, adrenal, thyroid, gonadal, and pineal control of cyclic variation in antibacterial function of neutrophils. Alexander JW, et al.
J Reticuloendothel Soc 14:266-79, Sep 73
- Editorial: Calcitonin in search of a function. Lancet 2:771-2, 6 Oct 73
- The effect of fetal thyroidectomy on thyroid hormone metabolism in maternal and fetal sheep. Erenberg A, et al. Pediatr Res 7:870-7, Nov 73
- I-131 urinary excretion studies. Invalidity in thyroid carcinoma. Verdon TA Jr, et al.
Rocky Mt Med J 70:47-9, Aug 73
- [Analysis of the effectiveness of acupuncture

- anesthesia in thyroidectomy]
Chin Med J 2:74-7, 1973 (Eng. Ahstr.) (Chi)
 [Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)
 [Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Bouhnik J, et al.
Biochimie 55:323-8, 1973 (Eng. Ahstr.) (Fre)
 [Influence of thyroidectomy on the enzyme activities of hepatic mitochondria in rats] Clot JP, et al.
Biochimie 55:451-6, 1973 (Eng. Ahstr.) (Fre)
 [Papillary epithelioma of the thyroid gland. Apropos of 2 familial cases] Lacour J, et al.
Nouv Presse Med 2:2249-52, 29 Sep 73 (Eng. Ahstr.) (Fre)
 [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
 [Latero-vertical fixation in vocal cord palsies (author's transl)] Kressner A.
Z Laryngol Rhinol Otol 52:646-55, Sep 73 (Eng. Ahstr.) (Ger)
 [The surgery of adductor paralysis (median fixation) (author's transl)] Westhues M.
Z Laryngol Rhinol Otol 52:640-5, Sep 73 (Eng. Ahstr.) (Ger)
 [Calcitonin--Interpretation of the test results] Moril H.
Jap J Clin Med 31:1700-4, 1973 (23 ref.) (Jap)
 [Diagnostic and therapeutic procedures of thyroideal nodules] Ferraz AR, et al.
Rev Assoc Med Bras 19:179-84, May 73 (Eng. Ahstr.) (Por)
 [Surgical treatment of hyperthyroidism: analysis of 103 cases] Rosa JC da, et al.
Rev Hosp Clin Fac Med Sao Paulo 28:235-42, Sep-Oct 73 (Eng. Ahstr.) (Por)
 [Relation of lipolytic activity to thyroid gland function at different stages of ontogenesis] Nikitin VN, et al.
Dokl Akad Nauk SSSR 212:262-4, 1 Sep 73 (Rus)

- [Cancer of the thyroid gland] Ivanova MA.
Khirurgia (Mosk) 49:28-30, Mar 73 (Eng. Ahstr.) (Rus)
 [Participation of the thyroid gland in the mechanism of action of certain dissociative poisons] Medvedeva GI, et al.
Patol Fiziol Eksp Ter 17:47-52, May-Jun 73 (Eng. Ahstr.) (Rus)
 [Effect of iodine compounds on the accumulation of I 131 in the thyroid gland and on the level of thyrotropin in blood plasma] Rachev R, et al.
Probl Endokrinol (Mosk) 19:99-105, Sep-Oct 73 (Rus)

ADVERSE EFFECTS

- The role of surgery and 131-I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al. **South Med J** 66:1014-6, Sep 73
 [Functional risks of thyroid surgery. A study of a series of 1,000 operations. I. The recurrent nerve risk] Blondeau P, et al.
Ann Chir 27:771-80, Sep 73 (Eng. Ahstr.) (Fre)
 [King's operation in the treatment of paralysis of the dilators. Apropos of 5 cases] Haguenauer JP.
Ann Otolaryngol Chir Cervicofac 90:299-305, Apr-May 73 (Eng. Ahstr.) (Fre)
 [About the nonarteriosclerotic cerebral calcification (typ Fahr) strumectomy (author's transl)] Noetzel H.
Verh Dtsch Ges Kreislaufforsch 56:573-6, 1972 (Eng. Ahstr.) (Ger)

MORTALITY

- Factors minimizing mortality and morbidity rates in head and neck surgery. Hayes Martin lecture. Beahrs OH. **Am J Surg** 126:443-51, Oct 73

THYROID

11. Disorders of the Thyroid Gland

CRETINISM

CHEMICALLY INDUCED

Possible role of cyanide and thiocyanate in the etiology of endemic cretinism. Ermans AM, et al.
Adv Exp Med Biol 30:455-86, 1972 (89 ref.)

ETIOLOGY

Cretinism and the fetal-maternal relationship.
Stanbury JB.
Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
Letter: Hypothyroidism in endemic cretinism in Brazil.
Hetzel BS, et al. Lancet 2:1325, 8 Dec 73
[Current problems of endemic cretinism (author's transl)] König MP.
Ther Umsch 30:708-11, Oct 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

[Genetic aspects of the origin of certain thyroid gland diseases] Kallnin AP, et al.
Sov Med 35:35-41, Jun 72 (129 ref.) (Rus)

OCCURRENCE

[Current problems of endemic cretinism (author's transl)] König MP.
Ther Umsch 30:708-11, Oct 73 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

The results of prophylaxis of endemic cretinism with iodized oil in rural Andean Ecuador. Ramirez I, et al.
Adv Exp Med Biol 30:223-37, 1972

GOITER

Malnutrition, hunger, and behavior. I. Malnutrition and learning. Read MS.
J Am Diet Assoc 63:379-85, Oct 73 (46 ref.)

BLOOD

Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radiolodine therapy. Gordin A.
Acta Endocrinol (Kbh) 74:283-95, Oct 73
The metabolic significance of pantothenic acid as assessed by its levels in serum in various clinical and experimental conditions. Markkanen T.
Int J Vitam Nutr Res 43:302-17, 1973
Studies on the binding activity for the long-acting thyroid stimulator. Dirmikis S, et al.
J Endocrinol 58:577-90, Sep 73
[Clinical significance of serum triiodothyronine] Zurcher H, et al.
Schweiz Med Wochenschr 103:1710-3, 1 Dec 73 (Eng. Abstr.) (Fre)
[Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al.
Tidsskr Nor Laegeforen 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)

CHEMICALLY INDUCED

On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al.
Acta Endocrinol (Kbh) 74:296-306, Oct 73
[Iatrogenic strumata (author's transl)] Keminger K.
Verh Dtsch Ges Kreislaufforsch 56:373-6, 1972 (Eng. Abstr.) (Ger)
[Iatrogenic pathomorphosis (examples: chronic myelosis, aseptic necrosis of bone, therapy of goiter) (report) (author's transl)] Thurner J.
Verh Dtsch Ges Kreislaufforsch 56:57-72, 1972 (Eng. Abstr.) (Ger)

COMPLICATIONS

Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. Ramirez G, et al.
Ann Intern Med 79:500-4, Oct 73
Benign goiter as a cause of postintubation airway obstruction. Voegelé LD, et al.
South Med J 66:1304-5, Nov 73
[Wermer's syndrome or familial polyendocrine adenomatous hyperplasia (2 anatomic-clinical cases)] Murle N, et al.
Ann Endocrinol (Paris) 34:190-205, Mar-Apr 73 (Fre)
[Ascher's syndrome] Baldan N, et al.
Rev Med Chir Soc Med Nat Iasi 77:595-601, Jul-Sep 73 (Eng. Abstr.) (Rum)

CONGENITAL

Thyrotoxicosis in pregnancy. Ayromloo J, et al.
Am J Obstet Gynecol 117:818-23, 15 Nov 73

DRUG THERAPY

Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. Ramirez G, et al.
Ann Intern Med 79:500-4, Oct 73
Single dose, "block-replace" drug therapy in hyperthyroidism. Wise PH, et al.
Br Med J 4:143-5, 20 Oct 73
[Results obtained with a new beta-blocker, pindolol, in 40 patients with thyroid diseases] Laroche C, et al.
Ann Endocrinol (Paris) 34:236-8, Mar-Apr 73 (Eng. Abstr.) (Fre)
[Therapy of euthyroid struma using synthetic thyroid hormone] Ruhlmann Z, et al.
Med Welt 24:1225-7, 10 Aug 73 (Ger)

ETIOLOGY

The effect of feeding rapeseed meal on thyroid function and morphology in growing hulls. Iwarsson K, et al. Acta Vet Scand 14:610-29, 1973
Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. Iwarsson K, et al. Acta Vet Scand 14:595-609, 1973
Serum thyrotrophin level and goiter in relation to childhood exposure to atomic radiation. Parker LN, et al. J Clin Endocrinol Metab 37:797-804, Nov 73
[Goitrogenic activity of turnip: experimental study in rats (author's transl)] Muñoz-Rodríguez M, et al.
Rev Esp Fisiol 29:21-6, Mar 73 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. Deol MS.
J Oral Surg 10:235-42, Sep 73

IMMUNOLOGY

Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radiolodine therapy. Gordin A.
Acta Endocrinol (Kbh) 74:283-95, Oct 73

METABOLISM

A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. Gray HW, et al. J Endocrinol 59:1-5, Oct 73

OCCURRENCE

Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal

thyroidectomy or radiolodine therapy. Gordin A. *Acta Endocrinol (Kbh)* 74:283-95, Oct 73

Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al. *Int Surg* 58:623-7, Sep 73

[Goiter prevention] Scriba PC. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)

[The epidemic goiter of Las Hurdes. II. Parameters that indicate the existence of an iodine deficiency] Escobar del Rey F, et al. *Rev Clin Esp* 130:7-18, 15 Jun 73 (Eng. Abstr.) (Spa)

PATHOLOGY

The effect of feeding rapeseed meal on thyroid function and morphology in growing hulls. Iwarsson K, et al. *Acta Vet Scand* 14:610-29, 1973

Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. Iwarsson K, et al. *Acta Vet Scand* 14:595-609, 1973

Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al. *Int Surg* 58:623-7, Sep 73

[Iatrogenic pathomorphosis (examples: chronic myelosis, aseptic necrosis of bone, therapy of goiter) (report) (author's transl)] Thurner J. *Verh Dtsch Ges Kreislaufforsch* 56:57-72, 1972 (Eng. Abstr.) (Ger)

[Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al. *Tidsskr Nor Laegeforen* 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)

PREVENTION & CONTROL

[Goiter prevention] Scriba PC. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)

SURGERY

Factors minimizing mortality and morbidity rates in head and neck surgery. Hayes Martin lecture. Beahrs OH. *Am J Surg* 126:443-51, Oct 73

[Drug interferences induced with the association of propranolol and dextromoramide. Discussion of 2 cases] Cahanne F, et al. *Anesth Analg (Paris)* 30:369-75, Mar-Apr 73 (Fre)

[Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al. *Tidsskr Nor Laegeforen* 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)

THERAPY

Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radiolodine treatment for hyperthyroidism. Gordin A, et al. *Acta Med Scand* 194:335-40, Oct 73

VETERINARY

The effect of feeding rapeseed meal on thyroid function and morphology in growing hulls. Iwarsson K, et al. *Acta Vet Scand* 14:610-29, 1973

GOITER, ENDEMIC

BLOOD

Serum triiodothyronine, thyroxine and thyroid-stimulating hormone in endemic goiter: a comparison of goitrous and nongoitrous subjects in New Guinea. Patel YC, et al. *J Clin Endocrinol Metab* 37:783-9, Nov 73

DIAGNOSIS

[Evaluation of kinetics in the study of radiolodine metabolism] Gehring D, et al. *Dtsch Med Wochenschr* 98:1676-9, 7 Sep 73 (Ger)

DRUG THERAPY

The changing age incidence of jodbasedow in Tasmania. Connolly RJ. *Med J Aust* 2:171-4, 28 Jul 73

ETIOLOGY

A preliminary study on the action of cassava on thyroid iodine metabolism in rats. Van der Velden M, et al. *Br J Nutr* 30:511-7, Nov 73

FAMILIAL & GENETIC

[Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al. *Sov Med* 35:35-41, Jun 72 (129 ref.) (Rus)

METABOLISM

[Evaluation of kinetics in the study of radiolodine metabolism] Gehring D, et al. *Dtsch Med Wochenschr* 98:1676-9, 7 Sep 73 (Ger)

OCCURRENCE

[Characteristics of the structure and clinical course of thyroid gland tumors] Masumov SA, et al. *Khirurgia (Mosk)* 48:34-8, Dec 72 (Rus)

[Study of the epidemiology of breast tumors in the Estonian SSR] Purde MK, et al. *Sov Med* 36:138-40, Jun 73 (Rus)

PHYSIOPATHOLOGY

[Hypothalamic control of thyroid function] Medeiros-Neto GA. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)

PREVENTION & CONTROL

[Group prophylaxis of endemic goiter in children] Gandz AS. *Pediatrila* 51:45, May 73 (Rus)

GOITER, EXOPHTHALMIC

BLOOD

Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolodinated thyrotropin to reassociated cells. Fayet G, et al. *FEBS Lett* 32:299-302, 1 Jun 73

Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. *J Clin Endocrinol Metab* 37:955-67, Dec 73

Comparison of alterations in circulating thyroglobulin, triiodothyronine and thyroxine in response to exogenous (bovine) and endogenous (human) thyrotropin. Uller RP, et al. *J Clin Endocrinol Metab* 37:741-5, Nov 73

Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. *N Engl J Med* 289:1111-7, 22 Nov 73

[Clinical significance of serum triiodothyronine] Zurcher H, et al. *Schweiz Med Wochenschr* 103:1710-3, 1 Dec 73 (Eng. Abstr.) (Fre)

[Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al. *Tidsskr Nor Laegeforen* 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)

[Blood coagulation in patients with toxic goiter] Panchenko VM, et al. *Probl Endokrinol (Mosk)* 19:22-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

Some aspects of polyostotic fibrous dysplasia: possible hypothesis to account for the associated endocrinological changes. Warrick CK. *Clin Radiol* 24:125-38, Apr 73

Death from thyrotoxicosis. Parker JL, et al. *Lancet* 2:894-5, 20 Oct 73

[Hyperthyroidism and atrio-ventricular conduction disorders. Apropos of a case with His bundle recording] Lanfranchi JM, et al. *Coeur Med Interne* 12:371-7, Jul-Sep 73 (Eng. Abstr.) (Fre)

[Ocular complications in Basedow's disease] Auhert P, et al.

Nouv Presse Med 2:2467-72, 20 Oct 73 (Eng. Abstr.) (Fre)

DIAGNOSIS

Graves' ophthalmopathy following external neck irradiation for nonthyroidal neoplastic disease. Wasmich RD, et al.

J Clin Endocrinol Metab 37:703-13, Nov 73
Letter: Immunoglobulin deposits on thyroid-cell surface in Graves' disease. Khalid BA, et al. Lancet 2:1090, 10 Nov 73

[Results of water-salt tests in women with hyperthyroidism] Malolepszy E.
Wiad Lek 26:1687-91, 15 Sep 73 (Eng. Abstr.) (Pol)
[Scintillographic diagnosis] Medeiros Neto GA de, et al. Rev Assoc Med Bras 19:217-8, May 73 (Por)

DRUG THERAPY

Reflections on the Lugol treatment of Graves' disease. Kloes C.
Bull Soc Sci Med Grand Duche Luxemb 110:33-42, Jun 73

Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L. JAMA 226:1083-8, 26 Nov 73

Neonatal thyrotoxicosis. Roberts GJ, et al. Med J Aust 2:432-4, 1 Sep 73

Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 289:1111-7, 22 Nov 73
[Treatment of malignant exophthalmos with beta-1-24 corticotropin] Kolebinov N, et al. Vutr Boles 12:80-5, 1973 (Eng. Abstr.) (Bul)

[Letter: Cholestatic jaundice caused by carbimazole] Prost G, et al. Nouv Presse Med 2:2479, 20 Oct 73 (Fre)
[Drug therapy of hyperthyroidism (author's transl)] Baumann G.

Ther Umsch 30:734-9, Oct 73 (Eng. Abstr.) (Ger)
[Blood coagulation in patients with toxic goiter] Panchenko VM, et al.

Probl Endokrinol (Mosk) 19:22-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

ETIOLOGY

Graves' ophthalmopathy following external neck irradiation for nonthyroidal neoplastic disease. Wasmich RD, et al.

J Clin Endocrinol Metab 37:703-13, Nov 73

T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. Avruskin TW, et al. Pediatrics 52:649-52, Nov 73

FAMILIAL & GENETIC

[Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al.

Sov Med 35:35-41, Jun 72 (129 ref.) (Rus)

IMMUNOLOGY

Demonstration of the production of the long acting thyroid stimulator (LATS) by peripheral lymphocytes cultured in vitro. Wall JR, et al.

Clin Exp Immunol 14:555-61, Aug 73

Graves' ophthalmopathy following external neck irradiation for nonthyroidal neoplastic disease. Wasmich RD, et al.

J Clin Endocrinol Metab 37:703-13, Nov 73

Letter: Immunoglobulin deposits on thyroid-cell surface in Graves' disease. Khalid BA, et al. Lancet 2:1090, 10 Nov 73

Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 289:1111-7, 22 Nov 73
Letter: T-cell rosettes in thyrotoxic Grave's disease. Wara DW, et al. N Engl J Med 289:1145-6, 22 Nov 73

METABOLISM

Demonstration of the production of the long acting thyroid stimulator (LATS) by peripheral lymphocytes cultured in vitro. Wall JR, et al.

Clin Exp Immunol 14:555-61, Aug 73

Effects of long-acting thyroid stimulator on the

reorganization into follicles of isolated thyroid cells and on the binding of radiolabeled thyrotropin to reassociated cells. Fayet G, et al.

FEBS Lett 32:299-302, 1 Jun 73

Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L.

JAMA 226:1083-8, 26 Nov 73

PATHOLOGY

Ultrastructural alterations of the follicular basement membrane in Hashimoto's thyroiditis. Report of eight cases with basement deposits. Kalderon AE, et al. Am J Med 55:485-91, Oct 73

Demonstration by immunoperoxidase staining of hyperplasia of parafollicular cells in the thyroid gland in hyperparathyroidism. LiVoisi VA, et al. J Clin Endocrinol Metab 37:550-9, Oct 73

[Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al.

Tidsskr Nor Laegeforen 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)

PHYSIOPATHOLOGY

Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. J Clin Endocrinol Metab 37:955-67, Dec 73

Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al.

Metabolism 23:1357-65, Nov 73

[Acid mucopolysaccharide excretion and thyroid function tests in girls with juvenile goiter] Gębala A, et al. Pediatr Pol 48:1101-5, 1973 (Eng. Abstr.) (Pol)

RADIOTHERAPY

Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. N Engl J Med 289:1111-7, 22 Nov 73

[Radioiodine (I-131) treatment of Graves' disease (author's transl)] Rösler H, et al.

Ther Umsch 30:717-25, Oct 73 (Eng. Abstr.) (Ger)
[Surgery for Graves' disease (author's transl)] Saegesser M.

Ther Umsch 30:712-6, Oct 73 (Eng. Abstr.) (Ger)

SURGERY

[Surgery for Graves' disease (author's transl)]

Saegesser M.

Ther Umsch 30:712-6, Oct 73 (Eng. Abstr.) (Ger)
[Implantation of parathyroid glands in a severe case of tetany following strumectomy] Jesipowicz M, et al.

Wiad Lek 26:1543-5, 15 Aug 73 (Pol)

[Surgical treatment of hyperthyroidism: analysis of 103 cases] Rosa JC da, et al.

Rev Hosp Clin Fac Med Sao Paulo 28:235-42, Sep-Oct 73 (Eng. Abstr.) (Por)

URINE

[Acid mucopolysaccharide excretion and thyroid function tests in girls with juvenile goiter] Gębala A, et al. Pediatr Pol 48:1101-5, 1973 (Eng. Abstr.) (Pol)

GOITER, NODULAR

[Diagnostic and therapeutic procedures of thyroidal nodules] Ferraz AR, et al.

Rev Assoc Med Bras 19:179-84, May 73 (Eng. Abstr.) (Por)

BLOOD

Diagnostic value of serum thyroxine and free thyroxine index. Liewendahl K, et al.

Acta Med Scand 194:341-8, Oct 73

[Clinical significance of serum triiodothyronine]

Zurcher H, et al.

Schweiz Med Wochenschr 103:1710-3, 1 Dec 73 (Eng. Abstr.) (Fre)

DIAGNOSIS

The uptake of gallium-67 in euthyroid patients with

- multinodular goitre. Roos J, et al.
Acta Med Scand 194:225-8, 1973
- Comparison of 99m technetium pertechnetate and radioliodine (I-131) as thyroid scanning agents. Krishnamurthy GT, et al.
Nucl Med (Stuttg) 12:97-106, 31 Aug 73
- Clinicopathologic conference: Acute illness with elevated serum amylase.
NY State J Med 73:2461-72, 15 Oct 73
- [Results of water-salt tests in women with hyperthyroidism] Malolepszy E.
Wlad Lek 28:1687-91, 15 Sep 73 (Eng. Abstr.) (Pol)
- [Diagnostic and therapeutic procedures of thyroideal nodules] Ferraz AR, et al.
Rev Assoc Med Bras 19:179-84, May 73 (Eng. Abstr.) (Por)
- [Scintillographic diagnosis] Medeiros Neto GA.
Rev Assoc Med Bras 19:341-2, Aug 73 (Por)

DRUG THERAPY

- [Therapy of euthyroid struma using synthetic thyroid hormone] Ruhnjonl Z, et al.
Med Welt 24:1225-7, 10 Aug 73 (Ger)

METABOLISM

- Measurement of 127I concentration in thyroid tissue by x-ray fluorescence. LeBlanc AD, et al.
J Nucl Med 14:816-9, Nov 73

OCCURRENCE

- Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al.
Int Surg 58:623-7, Sep 73

PATHOLOGY

- Lymphoid tissue in the thyroid gland and thymus of patients with primary thyrotoxicosis. Beck JS, et al.
Br J Surg 60:769-71, Oct 73
- Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al.
Int Surg 58:623-7, Sep 73
- Demonstration by immunoperoxidase staining of hyperplasia of parafollicular cells in the thyroid gland in hyperparathyroidism. LiVolsi VA, et al.
J Clin Endocrinol Metab 37:550-9, Oct 73

SURGERY

- [Indications for surgery in thyroid diseases] Eckmann L. *Praxis* 62:1027-30, 21 Aug 73 (Ger)
- [Diagnostic and therapeutic procedures of thyroideal nodules] Ferraz AR, et al.
Rev Assoc Med Bras 19:179-84, May 73 (Eng. Abstr.) (Por)

THERAPY

- Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radioliodine treatment for hyperthyroidism. Gordin A, et al.
Acta Med Scand 194:335-40, Oct 73

HYPERTHYROIDISM

- Neonatal thyrotoxicosis. Rohards GJ, et al.
Med J Aust 2:432-4, 1 Sep 73
- Hyperthyroidism in pregnancy: a study of 37 pregnancies in 34 patients. Chew PC, et al.
Singapore Med J 14:95-8, Jun 73
- Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al.
South Med J 66:1247-9, Nov 73

BLOOD

- T3 thyrotoxicosis. Gharli H, et al.
Am Fam Physician 8:144-6, Nov 73
- Biochemical and clinical aspects of various lipoprotein patterns. Seidel D, et al.
Ann Biol Clin (Paris) 31:87-90, 1973
- Rapid radioimmunoassay of triiodothyronine. Sekadde CB, et al. *Clin Chem* 19:1016-21, Sep 73
- Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some

- laboratory factors affecting assay results. Seth J. *Clin Chim Acta* 46:431-41, 27 Jul 73
- Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradilová M, et al.
Int J Vitam Nutr Res 43:283-90, 1973
- Competitive ligand-binding assay for measurement of sex hormone-binding globulin (SHBG). Tulchinsky D, et al. *J Clin Endocrinol Metab* 37:873-81, Dec 73
- Pathogenesis of iodine-induced thyrotoxicosis: studies in northern Tasmania. Vidor GI, et al.
J Clin Endocrinol Metab 37:901-9, Dec 73
- Effect of propranolol on plasma growth hormone response in insulin-induced hypoglycemia in thyrotoxic patients. Yeung RT.
J Clin Endocrinol Metab 37:968-71, Dec 73
- Studies on the binding activity for the long-acting thyroid stimulator. Dirmikis S, et al.
J Endocrinol 58:577-90, Sep 73
- HGH radioimmunoassay. Glucagon and L-dopa stimulation tests. Troncone L, et al.
J Nucl Biol Med 17:84-91, Apr-Jun 73
- A single method for measuring total thyroxine and free thyroxine index in serum. Ahreau C, et al.
J Nucl Med 14:740-6, Oct 73
- Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. Fowler PB, et al.
Lancet 2:801, 6 Oct 73
- Neonatal thyrotoxicosis. Rohards GJ, et al.
Med J Aust 2:432-4, 1 Sep 73
- Changes in red cell carbonic anhydrase B and serum iodothyronines in hyperthyroid subjects following 131-I treatment. Staldecke De Alonso, et al.
Medicina (B Aires) 33:394-7, Jul-Aug 73
- [Clinical significance of serum triiodothyronine] Zurcher H, et al.
Schweiz Med Wochenschr 103:1710-3, 1 Dec 73 (Eng. Abstr.) (Fre)
- [Comparative studies on the accuracy of in-vitro tests for thyroid diagnosis] Schmid HA, et al.
Nucl Med (Stuttg) 12:91-6, 31 Aug 73 (Eng. Abstr.) (Ger)
- [Rapid radioimmunoassay for the measurement of triiodothyronine in serum without extraction (author's transl)] Hilger P, et al.
Z Klin Chem Klin Biochem 11:323-5, Aug 73 (Eng. Abstr.) (Ger)
- [Determination of the effective thyroxin ratio (ETR) (author's transl)] Rudorff KH, et al.
Z Klin Chem Klin Biochem 11:259-62, Jun 73 (Ger)
- [Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al.
Tidsskr Nor Laegeforen 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)
- [Nonenzymatic fibrinolysis in toxic goiter] Panchenko VM, et al.
Klin Med (Mosk) 51:92-8, Mar 73 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

- Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradilová M, et al.
Int J Vitam Nutr Res 43:283-90, 1973
- Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al.
J Neurochem 21:861-71, Oct 73
- The changing age incidence of jodhasedow in Tasmania. Connolly RJ. *Med J Aust* 2:171-4, 28 Jul 73
- [Letter: Hyperthyroidism and benzodiarone: regressive pyramidal syndrome of the lower limbs] Herne N, et al. *Nouv Presse Med* 2:2411, 13 Oct 73 (Fre)

COMPLICATIONS

- Thyrotoxicosis in pregnancy. Ayromlool J, et al.
Am J Obstet Gynecol 117:818-23, 15 Nov 73
- Myocardial infarction associated with thyrotoxicosis. Kotler MN, et al. *Arch Intern Med* 132:723-8, Nov 73
- Some aspects of polyostotic fibrous dysplasia: possible hypothesis to account for the associated endocrinological changes. Warrick CK.
Clin Radiol 24:125-38, Apr 73
- Death from thyrotoxicosis. Parker JL, et al.
Lancet 2:894-5, 20 Oct 73
- Wenckebach phenomenon in thyrotoxicosis with

- hypercalcemia. Kurnick JE, et al. *Rocky Mt Med J* 70:46-7, Oct 73
- [Results obtained with a new beta-blocker, pindolol, in 40 patients with thyroid diseases] Laroche C, et al. *Ann Endocrinol (Paris)* 34:236-8, Mar-Apr 73 (Eng. Ahstr.) (Fre)
- [Study of systolic intervals in hyperthyroidism without cardiac complications] Kartun P, et al. *Arch Mai Coeur* 66:877-89, Jul 73 (Eng. Ahstr.) (Fre)
- [Letter: Hyperthyroidism and benzodiarone: regressive pyramidal syndrome of the lower limbs] Herne N, et al. *Nouv Presse Med* 2:2411, 13 Oct 73 (Fre)
- [Motor diarrhea of humoral and nervous origin] Matuchansky C, et al. *Rev Prat* 23:3797-807, 1 Oct 73 (Eng. Ahstr.) (Fre)
- [Hyperthyroid thyroiditis and its relations to diabetes mellitus] Zahransky S. *Monatsschr Kinderheilkd* 121:405-7, Jul 73 (Ger)
- [Emergency surgery in cases with coexisting hyperthyroidism] Tolloczko A, et al. *Wiad Lek* 26:1681-5, 15 Sep 73 (Eng. Ahstr.) (Pol)

DIAGNOSIS

- Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Karlberg BE. *Acta Endocrinol (Kbh)* 73:689-99, Aug 73
- Diagnostic value of serum thyroxine and free thyroxine index. Liewendahl K, et al. *Acta Med Scand* 194:341-8, Oct 73
- T3 thyrotoxicosis. Gharib H, et al. *Am Fam Physician* 8:144-6, Nov 73
- Death from thyrotoxicosis. Parker JL, et al. *Lancet* 2:894-5, 20 Oct 73
- Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)
- Non-invasive techniques in the diagnosis and management of acute cardiac problems. Werthelmer L. *Med Clin North Am* 57:1491-501, Nov 73 (18 ref.)
- Hyperthyroidism presenting as acute shoulder pain. Weiss JJ, et al. *Mich Med* 72:771-4, Nov 73
- A comparison of the diagnostic value of several tests of thyroid function. Koutras DA, et al. *Nucl Med (Stuttg)* 12:107-19, 31 Aug 73
- Comparison of 99m technetium pertechnetate and radiolodine (I-131) as thyroid scanning agents. Krishnamurthy GT, et al. *Nucl Med (Stuttg)* 12:97-106, 31 Aug 73
- T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. AvRuskin TW, et al. *Pediatrics* 52:649-52, Nov 73
- Evaluation of Achilles reflex time as a test of thyroid function. Gupta SP, et al. *South Med J* 66:754-8, Jul 73
- [Evaluation of kinetics in the study of radiolodine metabolism] Gehring D, et al. *Dtsch Med Wochenschr* 98:1676-9, 7 Sep 73 (Ger)
- [Diagnostic value of the radiolodine two-phase test in emendemic goiter area] Gehring D, et al. *Hippokrates* 44:160-76, Jun 73 (Ger)
- [Data on the diagnosis of thyroid adenomas] Fényes G. *Orv Hetil* 49:2966-7, 9 Dec 73 (Hun)
- [Toxic adenoma and thyroid diseases. Scintigraphic and clinical observations] Squadrito G, et al. *Minerva Med* 64:2978-82, 4 Aug 73 (Ita)
- [TRH test—interpretation of the test results] Miyai K, et al. *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)
- [Scintillographic diagnosis] Medeiros Neto GA de, et al. *Rev Assoc Med Bras* 19:217-8, May 73 (Por)

DRUG THERAPY

- Adrenergic beta receptor inhibition and hyperthyroidism. Malcolm J. *Acta Cardiol (Brux) Suppl* 15:307-2, 1972
- Thyrotoxicosis in pregnancy. Ayromloo J, et al. *Am J Obstet Gynecol* 117:818-23, 15 Nov 73
- Myocardial infarction associated with thyrotoxicosis. Kotler MN, et al. *Arch Intern Med* 132:723-8, Nov 73
- Lymphoid tissue in the thyroid gland and thymus of patients with primary thyrotoxicosis. Beck JS, et al. *Br J Surg* 60:769-71, Oct 73
- The surgical management of thyrotoxicosis. Pegg CA, et al. *Br J Surg* 60:765-9, Oct 73
- Single dose, "block-replace" drug therapy in hyperthyroidism. Wise PH, et al. *Br Med J* 4:143-5, 20 Oct 73
- Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. Fowler PB, et al. *Lancet* 2:801, 6 Oct 73

- Death from thyrotoxicosis. Parker JL, et al. *Lancet* 2:894-5, 20 Oct 73
- Neonatal thyrotoxicosis. Robards GJ, et al. *Med J Aust* 2:432-4, 1 Sep 73
- Hyperthyroidism presenting as acute shoulder pain. Weiss JJ, et al. *Mich Med* 72:771-4, Nov 73
- T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. AvRuskin TW, et al. *Pediatrics* 52:649-52, Nov 73
- Wenckebach phenomenon in thyrotoxicosis with hypercalcemia. Kurnick JE, et al. *Rocky Mt Med J* 70:46-7, Oct 73
- Hyperthyroidism in pregnancy: a study of 37 pregnancies in 34 patients. Chew PC, et al. *Singapore Med J* 14:95-8, Jun 73
- [Dosage problems in initial thyrostatic therapy of diffuse hyperthyreosis with methylmercaptimidazole] Morgner KD, et al. *Med Klin* 68:1038-41, 10 Aug 73 (Eng. Ahstr.) (Ger)
- [Hyperthyroid thyroiditis and its relations to diabetes mellitus] Zahransky S. *Monatsschr Kinderheilkd* 121:405-7, Jul 73 (Ger)
- [Drug therapy of hyperthyroidism (author's transl)] Baumann G. *Ther Umsch* 30:734-9, Oct 73 (Eng. Abstr.) (Ger)

ENZYMOLGY

- Subcellular distribution of peroxidase activity in human thyroid tissue. Valenta LJ, et al. *J Clin Endocrinol Metab* 37:560-9, Oct 73

ETIOLOGY

- Pathogenesis of iodine-induced thyrotoxicosis: studies in northern Tasmania. Vidor GI, et al. *J Clin Endocrinol Metab* 37:r01-9, Dec 73
- Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. Fowler PB, et al. *Lancet* 2:801, 6 Oct 73
- Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)
- T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. AvRuskin TW, et al. *Pediatrics* 52:649-52, Nov 73
- Hydatidiform mole with overt hyperthyroidism. Case report. Naidoo PM, et al. *S Afr Med J* 47:1957-8, 20 Oct 73
- [Goiter prevention] Scriba PC. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)
- [Radiolodine therapy of toxic adenomas of the thyroid gland] Kinser J, et al. *Ther Umsch* 30:726-33, Oct 73 (Eng. Ahstr.) (Ger)

IMMUNOLGY

- Pathogenesis of iodine-induced thyrotoxicosis: studies in northern Tasmania. Vidor GI, et al. *J Clin Endocrinol Metab* 37:901-9, Dec 73
- Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. Fowler PB, et al. *Lancet* 2:801, 6 Oct 73
- Tolerance to an autoantigen-thyroglobulin. Antigen-binding lymphocytes in thymus and blood in health and autoimmune disease. Roberts IM, et al. *Lancet* 2:936-40, 27 Oct 73
- Editorial: Lymphocytes reactive to autoantigens. *Lancet* 2:949-50, 27 Oct 73
- Letter: T-cell rosettes in thyrotoxic Grave's disease. Wara DW, et al. *N Engl J Med* 289:1145-6, 22 Nov 73
- [Hypothyroidism after fractionated radiolodine treatment (author's transl)] Reinwein D, et al. *Dtsch Med Wochenschr* 98:1789-95, 28 Sep 73 (Eng. Ahstr.) (Ger)

METABOLISM

- Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradilová M, et al. *Int J Vitam Nutr Res* 43:283-90, 1973
- A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. Gray HW, et al. *J Endocrinol* 59:1-5, Oct 73
- Glycolytic and tricarboxylic acid cycle intermediates during cardiac arrest and recovery in eu-, hyper- and hypothyroid rats. Fath PA, et al. *J Mol Cell Cardiol* 5:359-73, Aug 73
- Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein

and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al.
J Neurochem 21:861-71, Oct 73

Hemodynamic and metabolic effects of activities of the adrenergic beta receptor in physical exercise. Hazeki T. *Jap Circ J* 37:141-61, Feb 73

[Cyclic AMP and some disease processes (author's transl)] Klenerová V, et al.
Cas Lek Cesk 112:1057-62, 31 Jul 73 (Eng. Abstr.) (Cze)

[Evaluation of kinetics in the study of radiolodine metabolism] Gehring D, et al.
Dtsch Med Wochenschr 98:1676-9, 7 Sep 73 (Ger)

[Dosage problems in initial thyrostatic therapy of diffuse hyperthyroidism with methylmercaptolimidazole] Morgner KD, et al.
Med Klin 68:1038-41, 10 Aug 73 (Eng. Abstr.) (Ger)

[Clinical and pathophysiological aspects of triiodothyronine (author's transl)] Burger A.
Ther Umsch 30:698-700, Oct 73 (Eng. Abstr.) (Ger)

[Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.) (Ger)

MORTALITY

Death from thyrotoxicosis. Parker JL, et al.
Lancet 2:894-5, 20 Oct 73

Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)

OCCURRENCE

The changing age incidence of jodhasedow in Tasmania. Connolly RJ. *Med J Aust* 2:171-4, 28 Jul 73

Hyperthyroidism in pregnancy: a study of 37 pregnancies in 34 patients. Chew PC, et al.
Singapore Med J 14:95-8, Jun 73

PATHOLOGY

Lymphoid tissue in the thyroid gland and thymus of patients with primary thyrotoxicosis. Beck JS, et al.
Br J Surg 60:769-71, Oct 73

Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al.
J Neurochem 21:861-71, Oct 73

[Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al.
Tidsskr Nor Laegeforen 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)

PHYSIOPATHOLOGY

Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats. Field FP, et al.
Can J Physiol Pharmacol 51:344-53, May 73

Effect of impairment of thyroid functions on intracranial bone tumours in AkR mice.
 Muranyi-Kovacs I, et al. *Horm Res* 4:122-8, 1973

Effect of preceding cycle length on left ventricular prejection period in a patient with thyrotoxicosis and atrial fibrillation. Study by a noninvasive photoplethysmographic technique. Sapoznikov D, et al. *Isr J Med Sci* 9:1003-8, Aug 73

Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Rldgway EC, et al. *J Clin Invest* 52:2783-92, Nov 73

20-Min 99mTc thyroid uptake: a simplified method using the gamma camera. Higgins HP, et al.
J Nucl Med 14:907-11, Dec 73

Hemodynamic and metabolic effects of activities of the adrenergic beta receptor in physical exercise. Hazeki T. *Jap Circ J* 37:141-61, Feb 73

Measurement of myocardial blood flow by means of external counting method using 86-ruhdium. Ishii Y. *Jap Circ J* 37:163-70, Feb 73

Hyperthyroidism presenting as acute shoulder pain. Weiss JJ, et al. *Mich Med* 72:771-4, Nov 73

[The Achilles reflex in thyroid gland disorders] Rooyen RJ van, et al.
S Afr Med J 47:1643-7, 15 Sep 73 (Eng. Abstr.) (Afr)

[Evolution of the fat-muscle ratio in hyperthyroidism] Vague J, et al.
Ann Endocrinol (Paris) 34:216-9, Mar-Apr 73 (Fre)

[Study of systolic intervals in hyperthyroidism without cardiac complications] Kartun P, et al.
Arch Mal Coeur 66:877-89, Jul 73 (Eng. Abstr.) (Fre)

[Role of thyroid gland and adrenal medullary hormones in thermoregulation reactions] Pevný SA, et al.
Fiziol Zh SSSR 59:600-5, Apr 73 (Eng. Abstr.) (Rus)

[Mechanism of the effect of disordered thyroid function on posthemorrhagic erythropoiesis] Lunina NV.
Patol Fiziol Eksp Ter 17:61-3, Jan-Feb 73 (Eng. Abstr.) (Rus)

[Hemodynamics in patients with thyrotoxicosis] Prudnikova RV.
Vrach Delo 6:66-9, Jun 73 (Eng. Abstr.) (Rus)

RADIOTHERAPY

Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radiolodine treatment for hyperthyroidism. Gordin A, et al.
Acta Med Scand 194:335-40, Oct 73

Long-term aftercare for patients treated for thyrotoxicosis. Hedley AJ. *Br J Surg* 60:771-4, Oct 73

Symposium on modern trends in the management of thyrotoxicosis. Opening address. Michle W.
Br J Surg 60:757-8, Oct 73

Treatment of thyrotoxicosis with iodine-125 in moderately low dosage. Gimlette TM, et al.
Clin Radiol 24:263-6, Apr 73

Treatment of hyperthyroidism with sodium I 131. Carcinoma of the thyroid after 20 years. Kreps EM, et al. *JAMA* 226:774-5, 12 Nov 73

Death from thyrotoxicosis. Parker JL, et al.
Lancet 2:894-5, 20 Oct 73

Changes in red cell carbonic anhydrase B and serum iodothyronines in hyperthyroid subjects following 131-I treatment. Stalderker De Alonso, et al.
Medicina (B Aires) 33:394-7, Jul-Aug 73

The role of surgery and 131-I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al. *South Med J* 66:1014-6, Sep 73

[Hypothyroidism after fractionated radiolodine treatment (author's transl)] Reinwein D, et al.
Dtsch Med Wochenschr 98:1789-95, 28 Sep 73 (Eng. Abstr.) (Ger)

[Nonenzymatic fibrinolysis in toxic goiter] Panchenko VM, et al.
Klin Med (Mosk) 51:92-8, Mar 73 (Eng. Abstr.) (Rus)

SURGERY

Lymphoid tissue in the thyroid gland and thymus of patients with primary thyrotoxicosis. Beck JS, et al.
Br J Surg 60:769-71, Oct 73

Long-term aftercare for patients treated for thyrotoxicosis. Hedley AJ. *Br J Surg* 60:771-4, Oct 73

Symposium on modern trends in the management of thyrotoxicosis. Opening address. Michle W.
Br J Surg 60:757-8, Oct 73

The surgical management of thyrotoxicosis. Pegg CA, et al. *Br J Surg* 60:765-9, Oct 73

Death from thyrotoxicosis. Parker JL, et al.
Lancet 2:894-5, 20 Oct 73

Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)

The role of surgery and 131-I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al. *South Med J* 66:1014-6, Sep 73

[Indications for surgery in thyroid diseases] Eckmann L. *Praxis* 62:1027-30, 21 Aug 73 (Ger)

[Follow-up study of patients treated surgically for non-toxic goiter and thyrotoxicosis. A 10 year material] Solem JH, et al.
Tidsskr Nor Laegeforen 93:1223-5, 10 Jun 73 (Eng. Abstr.) (Nor)

[Neuroleptoanalgesia in prevention of thyroid crisis] Schmatra O, et al.
Wlad Lek 26:1799-802, 1 Oct 73 (Eng. Abstr.) (Pol)

[Surgical treatment of hyperthyroidism: analysis of 103 cases] Rosa JC da, et al.
Rev Hosp Clin Fac Med Sao Paulo 28:235-42, Sep-Oct 73 (Eng. Abstr.) (Por)

THERAPY

Long-term aftercare for patients treated for thyrotoxicosis. Hedley AJ. *Br J Surg* 60:771-4, Oct 73

Symposium on modern trends in the management of

- thyrotoxicosis. Opening address. Michie W.
Br J Surg 60:757-8, Oct 73
 Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)
 Hydatidiform mole with overt hyperthyroidism. Case report. Naldoo PM, et al.
S Afr Med J 47:1957-8, 20 Oct 73
 The role of surgery and ¹³¹I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al. *South Med J* 66:1014-6, Sep 73
 [Evolution of the fat-muscle ratio in hyperthyroidism] Vague J, et al.
Ann Endocrinol (Paris) 34:216-9, Mar-Apr 73 (Fre)
 [Study of systolic intervals in hyperthyroidism without cardiac complications] Kartun P, et al.
Arch Mal Coeur 66:877-89, Jul 73 (Eng. Abstr.) (Fre)

HYPOTHYROIDISM

BLOOD

- Biochemical and clinical aspects of various lipoprotein patterns. Seidel D, et al.
Ann Biol Clin (Paris) 31:87-90, 1973
 Hypoinsulinemia of hypothyroidism. Shah JH, et al.
Arch Intern Med 132:657-61, Nov 73
 Grades of hypothyroidism. Hall R, et al.
Br Med J 3:695-6, 29 Sep 73
 Rapid radioimmunoassay of triiodothyronine. Sekadde CB, et al. *Clin Chem* 19:1016-21, Sep 73
 Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some laboratory factors affecting assay results. Seth J. *Clin Chim Acta* 46:431-41, 27 Jul 73
 Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradilová M, et al.
Int J Vitam Nutr Res 43:283-90, 1973
 Alpha chain of glycoprotein hormones: presence in human serum after thyroid stimulating hormone releasing hormone. Benveniste R, et al.
J Clin Endocrinol Metab 37:822-5, Nov 73
 Increase in the beta subunit of human TSH in hypothyroid serum after thyrotropin releasing hormone. Kourides IA, et al.
J Clin Endocrinol Metab 37:836-40, Nov 73
 Comparison of alterations in circulating thyroglobulin, triiodothyronine and thyroxine in response to exogenous (bovine) and endogenous (human) thyrotropin. Uller RP, et al.
J Clin Endocrinol Metab 37:741-5, Nov 73
 Effect of bovine thyroid-stimulating hormone (TSH) on human plasma TSH levels in primary hypothyroidism: evidence against the "short-feedback" of TSH in man. Toft AD, et al. *J Endocrinol* 59:189-90, Oct 73
 HGH radioimmunoassay. Glucagon and L-dopa stimulation tests. Troncone L, et al.
J Nucl Biol Med 17:84-91, Apr-Jun 73
 A single method for measuring total thyroxine and free thyroxine index in serum. Abreau C, et al.
J Nucl Med 14:740-6, Oct 73
 Prenatal hypothyroidism and brain composition in a primate. Holt AB, et al. *Nature* 243:413-5, 15 Jun 73
 [The thyroid and plasma lipids] Bastien PA.
Acta Cardiol (Brux) Suppl 15:49-56, 1972 (Eng. Abstr.) (Fre)
 [Clinical significance of serum triiodothyronine] Zurcher H, et al.
Schweiz Med Wochenschr 103:1710-3, 1 Dec 73 (Eng. Abstr.) (Fre)
 [Comparative studies on the accuracy of in-vitro tests for thyroid diagnosis] Schmidt HA, et al.
Nucl Med (Stuttg) 12:91-6, 31 Aug 73 (Eng. Abstr.) (Ger)
 [Rapid radioimmunoassay for the measurement of triiodothyronine in serum without extraction (author's transl)] Hilger P, et al.
Z Klin Chem Klin Biochem 11:323-5, Aug 73 (Eng. Abstr.) (Ger)
 [Determination of the effective thyroxine ratio (ETR) (author's transl)] Rudorff KH, et al.
Z Klin Chem Klin Biochem 11:259-62, Jun 73 (Ger)

CHEMICALLY INDUCED

- Iodine and lithium-induced hypothyroidism. Documentation of synergism. Shopsin B, et al.
Am J Med 55:895-9, Nov 73
 Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum

- and in some organs of the rat. Neradilová M, et al.
Int J Vitam Nutr Res 43:283-90, 1973
 Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al.
J Neurochem 21:861-71, Oct 73
 An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. Deol MS.
J Oral Surg 10:235-42, Sep 73
 Prenatal hypothyroidism and brain composition in a primate. Holt AB, et al. *Nature* 243:413-5, 15 Jun 73
 Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. 8. Effect of thioracil on R. tetragona infections. Nadakal AM, et al. *Poult Sci* 52:1068-74, May 73
 [Effect of ascorbic acid on hypercholesterinaemia in hypothyroidism (author's transl)] Scholz A.
Klin Wochenschr 51:518-9, 15 May 73 (Eng. Abstr.) (Ger)

- [Induced hypothyroidism, an adjuvant treatment in cardiopathies] Popovici D.
Stud Cercet Endocrinol 24:447-50, 1973 (Rum)

COMPLICATIONS

- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. *Arch Pathol* 96:217-28, Oct 73
 Psoriasis exacerbated by hypoparathyroidism with hypocalcaemia. Rsum G.
Br J Dermatol 89:309-12, Sep 73
 Letter: Association between hypothyroidism and abdominal aneurysm. Niarchos AP, et al.
Br Med J 4:110, 13 Oct 73
 Secondary hyperlipidaemia. Chait A.
J Clin Pathol [Suppl] 5:Suppl 5:68-71, 1973 (32 ref.)
 An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. Deol MS.
J Oral Surg 10:235-42, Sep 73
 Letter: Hypothyroidism in endemic cretinism in Brazil. Hetzel BS, et al. *Lancet* 2:1325, 8 Dec 73
 [Adiposa and Korsakoff's syndrome following hypothalamo-hypophyseal surgery for craniohypopharyngoma. Postoperative obesity and femoral osteonecrosis] Klotz HP, et al.
Ann Endocrinol (Paris) 34:158-63, Mar-Apr 73 (Fre)
 [The year in endocrinology] Albeaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)
 [18 p-syndrome and hypothyroidism] Battin J, et al. *Arch Fr Pediatr* 30:548, May 73 (Fre)
 [Effect of ascorbic acid on hypercholesterinaemia in hypothyroidism (author's transl)] Scholz A.
Klin Wochenschr 51:518-9, 15 May 73 (Eng. Abstr.) (Ger)

CONGENITAL

- Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates. Schenken JR, et al.
Am J Clin Pathol 60:499-501, Oct 73
 Proceedings: Screening for congenital hypothyroidism: a preliminary report. Dacou-Voutetakis C.
Arch Dis Child 48:826, Oct 73

DIAGNOSIS

- Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radioiodine therapy. Gordin A.
Acta Endocrinol (Kbh) 74:283-95, Oct 73
 Diagnostic value of serum thyroxine and free thyroxine index. Liewendahl K, et al.
Acta Med Scand 194:341-8, Oct 73
 Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates. Schenken JR, et al.
Am J Clin Pathol 60:499-501, Oct 73
 Proceedings: Screening for congenital hypothyroidism: a preliminary report. Dacou-Voutetakis C.
Arch Dis Child 48:826, Oct 73
 Grades of hypothyroidism. Hall R, et al.
Br Med J 3:695-6, 29 Sep 73
 A comparison of the diagnostic value of several tests of thyroid function. Koutras DA, et al.
Nucl Med (Stuttg) 12:107-19, 31 Aug 73

Evaluation of Achilles reflex time as a test of thyroid function. Gupta SP, et al. *South Med J* 66:754-8, Jul 73
 [TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al.
Nucl Med (Stuttg) 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)
 [TRH test-Interpretation of the test results] Miyai K, et al. *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)

DRUG THERAPY

Hypoinsulinemia of hypothyroidism. Shah JH, et al. *Arch Intern Med* 132:657-61, Nov 73
 Clinical note. Bioelectric brain development in hypothyroidism. A quantitative analysis with EEG power spectra. Lenard HG, et al.
Electroencephalogr Clin Neurophysiol 35:545-9, Nov 73
 In vitro thyroid function test: results during replacement therapy in hypothyroid Beagle dogs. Hightower D, et al.
Vet Med Small Anim Clin 68:1131-2, Oct 73
 [The thyroid and plasma lipids] Bastenle PA.
Acta Cardiol (Brux) Suppl 15:49-56, 1972 (Eng. Abstr.) (Fre)
 [Results obtained with a new beta-blocker, pindolol, in 40 patients with thyroid diseases] Laroche C, et al.
Ann Endocrinol (Paris) 34:236-8, Mar-Apr 73 (Eng. Abstr.) (Fre)

ENZYMOLGY

Subcellular distribution of peroxidase activity in human thyroid tissue. Valenta LJ, et al.
J Clin Endocrinol Metab 37:560-9, Oct 73

ETIOLOGY

Symposium on modern trends in the management of thyrotoxicosis. Opening address. Michle W.
Br J Surg 60:757-8, Oct 73
 The surgical management of thyrotoxicosis. Pegg CA, et al. *Br J Surg* 60:765-9, Oct 73
 Replacement therapy for induced hypothyroidism in dogs. Hightower D, et al.
J Am Vet Med Assoc 163:979-80, 15 Oct 73
 Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. Fowler PB, et al.
Lancet 2:801, 6 Oct 73
 The role of surgery and 131-I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al. *South Med J* 66:1014-6, Sep 73
 [Hypothyroidism after fractionated radiolodine treatment (author's transl)] Reinwein D, et al.
Dtsch Med Wochenschr 98:1789-95, 28 Sep 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Monosomy of a "G" autosome in a 22-year-old female. Cooksley WG, et al. *Med J Aust* 2:178-80, 28 Jul 73
 [48 XXXX syndrome in an infant] Walhaum R, et al.
J Genet Hum 21:43-56, Mar 73 (Fre)

IMMUNOLGY

Grades of hypothyroidism. Hall R, et al.
Br Med J 3:695-6, 29 Sep 73
 Letter: Association between hypothyroidism and abdominal aneurysm. Niarchos AP, et al.
Br Med J 4:110, 13 Oct 73
 The effects on rabbits of immunization with bovine thyroid-stimulating hormone and its subunits. Beall GN, et al. *J Clin Invest* 52:2986-92, Dec 73
 [Hypothyroidism after fractionated radiolodine treatment (author's transl)] Reinwein D, et al.
Dtsch Med Wochenschr 98:1789-95, 28 Sep 73 (Eng. Abstr.) (Ger)

METABOLISM

The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al.
Acta Endocrinol (Kbh) 73:672-80, Aug 73
 Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradilová M, et al.
Int J Vitam Nutr Res 43:283-90, 1973

Iodine concentration in nonthyroid tissues of cows. Miller JK, et al. *J Dairy Sci* 56:1344-6, Oct 73
 A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. Gray HW, et al. *J Endocrinol* 59:1-5, Oct 73
 Glycolytic and tricarboxylic acid cycle intermediates during cardiac arrest and recovery in eu-, hyper- and hypothyroid rats. Fath PA, et al.
J Mol Cell Cardiol 5:359-73, Aug 73
 Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al.
J Neurochem 21:861-71, Oct 73
 Prenatal hypothyroidism and brain composition in a primate. Holt AB, et al. *Nature* 243:413-5, 15 Jun 73
 [Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.) (Ger)

OCCURRENCE

Proceedings: Screening for congenital hypothyroidism: a preliminary report. Dacou-Voutetakis C.
Arch Dis Child 48:826, Oct 73

PATHOLOGY

Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al.
J Neurochem 21:861-71, Oct 73
 An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. Deol MS.
J Oral Surg 10:235-42, Sep 73
 Resistance potential of certain breeds of domestic fowl exposed to *Rallietina tetragona* infections. 8. Effect of thioracil on *R. tetragona* infections. Nadakal AM, et al. *Poult Sci* 52:1068-74, May 73

PHYSIOPATHOLOGY

Cretinism and the fetal-maternal relationship. Stanbury JB.
Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
 Hypoinsulinemia of hypothyroidism. Shah JH, et al.
Arch Intern Med 132:657-61, Nov 73
 Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats. Field FP, et al.
Can J Physiol Pharmacol 51:344-53, May 73
 Clinical note. Bioelectric brain development in hypothyroidism. A quantitative analysis with EEG power spectra. Lenard HG, et al.
Electroencephalogr Clin Neurophysiol 35:545-9, Nov 73
 20-Min 99mTc thyroid uptake: a simplified method using the gamma camera. Higgins HP, et al.
J Nucl Med 14:907-11, Dec 73
 Study of the pituitary-testicular axis in hypothyroid adult male rats. Vilchez-Martinez JA.
J Reprod Fertil 35:123-6, Oct 73
 [The Achilles reflex in thyroid gland disorders] Rooyen RJ van, et al.
S Afr Med J 47:1643-7, 15 Sep 73 (Eng. Abstr.) (Afr)
 [Role of thyroid gland and adrenal medullary hormones in thermoregulation reactions] Pevný SA, et al.
Fiziol Zh SSSR 59:600-5, Apr 73 (Eng. Abstr.) (Rus)
 [Mechanism of the effect of disordered thyroid function on posthemorrhagic erythropoiesis] Lunina NV.
Patol Fiziol Eksp Ter 17:61-3, Jan-Feb 73 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Long-term aftercare for patients treated for thyrotoxicosis. Hedley AJ. *Br J Surg* 60:771-4, Oct 73
 The surgical management of thyrotoxicosis. Pegg CA, et al. *Br J Surg* 60:765-9, Oct 73

RADIOGRAPHY

Ivory epiphyses of the hands. Kuhns LR, et al.
Radiology 109:643-8, Dec 73

HYPOTHYROIDISM

VETERINARY

- Replacement therapy for induced hypothyroidism in dogs. Hightower D, et al.
J Am Vet Med Assoc 163:979-80, 15 Oct 73
- Iodine concentration in nonthyroid tissues of cows. Miller JK, et al. *J Dairy Sci* 56:1344-6, Oct 73
- Resistance potential of certain breeds of domestic fowl exposed to Ralilietina tetragona infections. 8. Effect of thlouracil on R. tetragona infections. Nadakal AM, et al. *Poult Sci* 52:1068-74, May 73
- In vitro thyroid function test: results during replacement therapy in hypothyroid Beagle dogs. Hightower D, et al.
Vet Med Small Anim Clin 68:1131-2, Oct 73

MYXEDEMA

BLOOD

- Significance of large red blood cells. Chanarin I, et al.
Br J Haematol 25:351-8, Sep 73
- [Rapid radiolmmunological method of determination of insulin in the blood] Eganu C, et al.
Stud Cercet Endocrinol 24:435-45, 1973 (Rum)

COMPLICATIONS

- Cretinism and the fetal-maternal relationship. Stanbury JB.
Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
- Eczéma craquelé as the presenting feature of myxoedema. Warlin AP.
Br J Dermatol 89:289-91, Sep 73
- Mental disturbance in the ill old person. Dunn T, et al.
Br Med J 4:413-6, 17 Nov 73
- Dermatomyositis and lichen myxedematosus. A clinical, histopathological and electron microscopic study. Johnson BL, et al.
Dermatologica 147:109-22, Aug 73
- [Clinical study of 39 cases of accidental hypothermia in adults] Glinnoer D, et al.
Acta Clin Belg 28:40-55, 1973 (Fre)

DIAGNOSIS

- Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)
- [Circumscribed oedema of the skin (author's transl)] Frenk E.
Ther Umsch 30:605-10, Aug 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

- Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)

FAMILIAL & GENETIC

- [Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al.
Sov Med 35:35-41, Jun 72 (129 ref.) (Rus)

METABOLISM

- The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al.
Acta Endocrinol (Kbh) 73:672-80, Aug 73
- A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. Gray HW, et al. *J Endocrinol* 59:1-5, Oct 73

PATHOLOGY

- Dermatomyositis and lichen myxedematosus. A clinical, histopathological and electron microscopic study. Johnson BL, et al.
Dermatologica 147:109-22, Aug 73

PHYSIOPATHOLOGY

- [Static and dynamic study of thyrotropin function in a case of primary myxedema with lingual ectopia and suspected pituitary adenoma] Luton JP, et al.
Ann Endocrinol (Paris) 34:232-5, Mar-Apr 73 (Fre)

THYROID

THYROID CRISIS

COMPLICATIONS

- Death from thyrotoxicosis. Parker JL, et al.
Lancet 2:894-5, 20 Oct 73

DRUG THERAPY

- [Drug therapy of hyperthyroidism (author's transl)] Baumann G.
Ther Umsch 30:734-9, Oct 73 (Eng. Abstr.) (Ger)

ETIOLOGY

- Thyroid crisis: A case report and current treatment. Duncan G, et al. *J SC Med Assoc* 69:377-80, Oct 73

MORTALITY

- Thyroid crisis: A case report and current treatment. Duncan G, et al. *J SC Med Assoc* 69:377-80, Oct 73

PHYSIOPATHOLOGY

- Thyroid crisis: A case report and current treatment. Duncan G, et al. *J SC Med Assoc* 69:377-80, Oct 73

PREVENTION & CONTROL

- [Neuroleptoanalgia in prevention of thyroid crisis] Schmatra O, et al.
Wlad Lek 26:1799-802, 1 Oct 73 (Eng. Abstr.) (Pol)

SURGERY

- Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)

THERAPY

- Thyroid crisis: A case report and current treatment. Duncan G, et al. *J SC Med Assoc* 69:377-80, Oct 73

THYROID DISEASES

- [Editorial: Thyroid diseases] Fankhauser S.
Ther Umsch 30:685-6, Oct 73 (Ger)

BLOOD

- Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolodinated thyrotropin to reassociated cells. Fayet G, et al.
FEBS Lett 32:299-302, 1 Jun 73
- [Usefulness of plasma TSH determination and of the TRH test in thyroid pathology (author's transl)] Lemarchand-Béraud T.
Ther Umsch 30:692-7, Oct 73 (Eng. Abstr.) (Fre)
- [Assessment of thyroid function by means of serum thyroid hormone concentration and protein binding capacity (author's transl)] Kohler H, et al.
Ther Umsch 30:701-7, Oct 73 (Eng. Abstr.) (Ger)
- [Calcitonin--interpretation of the test results] Moril H.
Jap J Clin Med 31:1700-4, 1973 (23 ref.) (Jap)

CHEMICALLY INDUCED

- [Pseudocarcinomatous lesions of thyroid gland after treatment with antithyroid drugs (author's transl)] Schauer A, et al.
Verh Dtsch Ges Kreislauaufforsch 56:369-73, 1972 (Eng. Abstr.) (Ger)

CLASSIFICATION

- [Classification of thyroid diseases] Zdichynec B.
Cas Lek Cesk 112:1304-5, 19 Oct 73 (Cze)

COMPLICATIONS

- Granulomatous hepatitis. A review of 50 cases. Mir-Madjlessi SH, et al.
Am J Gastroenterol 60:122-34, Aug 73
- Immunological liver disease. Read AE.
J R Coll Physicians Lond 8:31-6, Oct 73 (18 ref.)
- A new look at recurrent nerve paralysis associated with thyroid disease. Holl-Allen RT.
Proc R Soc Med 66:753-4, Aug 73

THYROID

THYROID NEOPLASMS

CONGENITAL

Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates. Schenken JR, et al. *Am J Clin Pathol* 60:499-501, Oct 73

DIAGNOSIS

B-mode ultrasonography in assessment of thyroid gland lesions. Miskin M, et al. *Ann Intern Med* 79:505-10, Oct 73

Probabilistic information processing: implementation and evaluation of a Semi-PIP diagnostic system. Gustafson DH, et al. *Comput Biomed Res* 6:355-70, Aug 73

Distribution of thyroidal radiolodide uptake values (2, 6, 24 hours) in a referred population. Witke JT, et al. *Conn Med* 37:499-501, Oct 73

Cesium 131 as scanning agent in the evaluation of "cold" thyroid nodules. Bestagno M, et al. *J Nucl Biol Med* 17:111-2, Jul-Sep 73

The ankle-jerk half-relaxation time as a screening test for thyroid disease. Pincherle G. *J R Coll Gen Pract* 23:515-9, Jul 73

Comparison of 99m technetium pertechnetate and radiolodine (I-131) as thyroid scanning agents. Krishnamurthy GT, et al. *Nucl Med (Stuttg)* 12:97-106, 31 Aug 73

Letter: Thyroid function. Hirst DV. *Obstet Gynecol* 42:627-8, Oct 73

[Diagnosis of the "cold thyroid nodule"] Wildmelster W, et al. *Med Welt* 24:1123-6, 13 Jul 73 (Ger)

[Correlations between the radiographic image and the scintigram of the thyroid (author's transl)] Seyss R. *Radl Clin Biol* 42:455-9, 1973 (Eng. Abstr.) (Ger)

[Immunological aspects of thyroid diseases (author's transl)] Schädell J, et al. *Ther Umsch* 30:687-91, Oct 73 (Eng. Abstr.) (Ger)

[Triosorb, tetrasorb and ETR-interpretation of the test results] Ilno S. *Jap J Clin Med* 31:1672-91, 1973 (92 ref.) (Jap)

[Graphical approximation of curves of whole body and separate organs radioactivity] Matveenko EG, et al. *Med Radl (Mosk)* 18:29-35, Jun 73 (Eng. Abstr.) (Rus)

ETIOLOGY

[Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al. *Sov Med* 35:35-41, Jun 72 (129 ref.) (Rus)

FAMILIAL & GENETIC

[Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al. *Sov Med* 35:35-41, Jun 72 (129 ref.) (Rus)

IMMUNOLOGY

[Immunological aspects of thyroid diseases (author's transl)] Schädell J, et al. *Ther Umsch* 30:687-91, Oct 73 (Eng. Abstr.) (Ger)

METABOLISM

Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolodinated thyrotropin to reassociated cells. Fayet G, et al. *FEBS Lett* 32:299-302, 1 Jun 73

Simultaneous measurement of thyroidal trapping (99mTcO₄) and binding (131I-): clinical and experimental studies in man. Hays MT, et al. *J Nucl Med* 14:785-92, Nov 73

Measurement of 127I concentration in thyroid tissue by x-ray fluorescence. LeBlanc AD, et al. *J Nucl Med* 14:816-9, Nov 73

OCCURRENCE

Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al. *Int Surg* 58:623-7, Sep 73

Radiolodine uptake values in euthyroid, non-goltrous, prepubertal children in Greece. Anoussakis C, et al. *Nucl Med (Stuttg)* 12:14-25, 31 May 73

PATHOLOGY

[Pseudocarcinomatous lesions of thyroid gland after treatment with antithyroid drugs (author's transl)] Schauer A, et al. *Verh Dtsch Ges Kreislaufrorsch* 56:369-73, 1972 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[The Achilles reflex in thyroid gland disorders] Rooyen RJ van, et al. *S Afr Med J* 47:1643-7, 15 Sep 73 (Eng. Abstr.) (Afr)

[The year in endocrinology] Alheaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)

[Hypothalamic control of thyroid function] Medeiros-Neto GA. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)

RADIOGRAPHY

[Correlations between the radiographic image and the scintigram of the thyroid (author's transl)] Seyss R. *Radl Clin Biol* 42:455-9, 1973 (Eng. Abstr.) (Ger)

[Evaluation of intrathyroid lymphography] Adamus J. *Pol Przegl Radl* 37:527-31, Jul-Aug 73 (Eng. Abstr.) (Pol)

RADIOTHERAPY

Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. *Lancet* 2:963-4, 27 Oct 73

SURGERY

Factors minimizing mortality and morbidity rates in head and neck surgery. Hayes Martin lecture. Beahrs OH. *Am J Surg* 126:443-51, Oct 73

[Analysis of the effectiveness of acupuncture anesthesia in thyroidectomy] *Chin Med J* 2:74-7, 1973 (Eng. Abstr.) (Chi)

[Indications for surgery in thyroid diseases] Eckmann L. *Praxis* 62:1027-30, 21 Aug 73 (Ger)

THERAPY

B-mode ultrasonography in assessment of thyroid gland lesions. Miskin M, et al. *Ann Intern Med* 79:505-10, Oct 73

THYROID GLAND

ABNORMALITIES

Dislocations and malformations of the thyroid glands experimentally produced in 4-day-old chick embryos. Lemež L. *Folia Morphol (Praha)* 21:121-4, 1973

[Congenital athyreosis and favus (regression of mycosis, resistant to griseofulvin, under treatment with thyreoidine)] Araviškiš AN, et al. *Vestn Dermatol Venerol* 47:86-8, May 73 (Rus)

INJURIES

Management of penetrating wounds of the neck. Knightly JJ, et al. *Am J Surg* 126:575-80, Oct 73

[Cartilage embolism as an unusual expression of vital reaction] Brettel HF, et al. *Z Rechtsmed* 72:161-3, 30 Apr 73 (Eng. Abstr.) (Ger)

THYROID NEOPLASMS

Late effects of irradiation on the thyroid gland in mice. 3. Comparison between irradiation of foetuses and adults. Wallinder G, et al. *Acta Radl [Ther] (Stockh)* 12:201-8, Jun 73

[Cancer of the thyroid gland] Redon H. *Maroc Med* 52:602-8, Oct 72 (Fre)

[Malignant golter] Fischer M, et al. *Fortshr Med* 91:1159-64, 18 Oct 73 (Ger)

[Metastasizing in bladder carcinoma] Sulmoni A, et al. *Helv Chir Acta* 40:463-5, Sep 73 (Ger)

[Pulmonary manifestations of thyroid gland cancer] Dettlaff Z, et al. *Gruzlica* 41:889-94, Aug 73 (Eng. Abstr.) (Pol)

THYROID NEOPLASMS

THYROID

BLOOD

- Comparison of alterations in circulating thyroglobulin, triiodothyronine and thyroxine in response to exogenous (bovine) and endogenous (human) thyrotropin. Uller RP, et al.
J Clin Endocrinol Metab 37:741-5, Nov 73
 Alcohol-stimulated calcitonin release in medullary carcinoma of the thyroid. Cohen SL, et al.
Lancet 2:1172-3, 24 Nov 73
 [Radio-immunoassay of human thyrocalcitonin. Technic and results in plasma of healthy subjects (author's transl)] Argémi B.
Ann Endocrinol (Paris) 34:290-2, May-Jun 73 (Eng. Abstr.) (Fre)
 [Calcitonin--Interpretation of the test results] Morli H.
Jap J Clin Med 31:1700-4, 1973 (23 ref.) (Jap)
 [Calcitonin and its significance for the diagnosis of medullary carcinoma of the thyroid] Gautvik KM.
Tidsskr Nor Laegeforen 93:1143-8, 30 May 73 (27 ref.) (Eng. Abstr.) (Nor)

CLASSIFICATION

- Is the differentiation between papillary and follicular thyroid carcinoma valid? Franssila KO.
Cancer 32:853-64, Oct 73

COMPLICATIONS

- A new look at recurrent nerve paralysis associated with thyroid disease. Holl-Allen RT.
Proc R Soc Med 66:753-4, Aug 73
 [Motor diarrhea of humoral and nervous origin] Matuchansky C, et al.
Rev Prat 23:3797-807, 1 Oct 73 (Eng. Abstr.) (Fre)
 [Radioliodine therapy of toxic adenomas of the thyroid gland] Kinsler J, et al.
Ther Umsch 30:728-33, Oct 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

- Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Karlberg BE.
Acta Endocrinol (Kbh) 73:689-99, Aug 73
 The uptake of gallium-67 in euthyroid patients with multinodular goitre. Roos J, et al.
Acta Med Scand 194:225-8, 1973
 B-mode ultrasonography in assessment of thyroid gland lesions. Miskin M, et al.
Ann Intern Med 79:505-10, Oct 73
 The occult primary tumor. Winegar LK, et al.
Arch Otolaryngol 98:159-63, Sep 73
 Cesium 131 as scanning agent in the evaluation of "cold" thyroid nodules. Bestagno M, et al.
J Nucl Biol Med 17:111-2, Jul-Sep 73
 Alcohol-stimulated calcitonin release in medullary carcinoma of the thyroid. Cohen SL, et al.
Lancet 2:1172-3, 24 Nov 73
 Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al.
South Med J 66:1247-9, Nov 73
 [Cancer of the thyroid gland] Redon H.
Maroc Med 52:602-8, Oct 72 (Fre)
 [A case of cervical lymph-node tuberculosis] Traissac L, et al.
Rev Laryngol Otol Rhinol (Bord) 94:261-7, May-Jun 73 (Eng. Abstr.) (Fre)
 [Decompensation of autonomous thyroid adenoma after long-term iodine intake (author's transl)] Mahstedt J, et al.
Dtsch Med Wochenschr 98:1748-51, 21 Sep 73 (Eng. Abstr.) (Ger)
 [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
 [Diagnosis of the "cold thyroid nodule"] Wildmeister W, et al.
Med Welt 24:1123-6, 13 Jul 73 (Ger)
 [TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al.
Nucl Med (Stuttg) 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)
 [Data on the diagnosis of thyroid adenomas] Fényes G.
Orv Hetil 49:2966-7, 9 Dec 73 (Hun)
 [Toxic adenoma and thyroid diseases. Scintigraphic and clinical observations] Squadrino G, et al.
Minerva Med 64:2978-82, 4 Aug 73 (Ita)
 [Calcitonin and its significance for the diagnosis of medullary carcinoma of the thyroid] Gautvik KM.

- Tidsskr Nor Laegeforen* 93:1143-8, 30 May 73 (27 ref.) (Eng. Abstr.) (Nor)
 [Cancer of the thyroid gland] Ivanova MA.
Khirurgia (Mosk) 49:28-30, Mar 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

- [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
 [Calcitonin and the medullary thyroid carcinoma (author's transl)] Damhacher MA, et al.
Ther Umsch 30:740-6, Oct 73 (Eng. Abstr.) (Ger)

ENZYMOLGY

- Subcellular distribution of peroxidase activity in human thyroid tissue. Valenta LJ, et al.
J Clin Endocrinol Metab 37:560-9, Oct 73

ETIOLOGY

- Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al.
Arch Pathol 96:217-26, Oct 73
 Treatment of hyperthyroidism with sodium I 131. Carcinoma of the thyroid after 20 years. Kreps EM, et al.
JAMA 226:774-5, 12 Nov 73
 The role of surgery and 131-I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al.
South Med J 66:1014-6, Sep 73
 [The year in endocrinology] Alheaux-Fernet M, et al.
Annee Endocrinol 24:1-197, 1972 (9 ref.) (Fre)
 [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
 [Tumor metastases to the thyroid gland] Kalinin AP, et al.
Khirurgia (Mosk) 49:30-3, Mar 73 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

- [Papillary epithelioma of the thyroid gland. Apropos of 2 familial cases] Lacour J, et al.
Nouv Presse Med 2:2249-52, 29 Sep 73 (Eng. Abstr.) (Fre)
 [Calcitonin and its significance for the diagnosis of medullary carcinoma of the thyroid] Gautvik KM.
Tidsskr Nor Laegeforen 93:1143-8, 30 May 73 (27 ref.) (Eng. Abstr.) (Nor)
 [Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al.
Sov Med 35:35-41, Jun 72 (129 ref.) (Rus)

METABOLISM

- Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Karlberg BE.
Acta Endocrinol (Kbh) 73:689-99, Aug 73
 Measurement of 127I concentration in thyroid tissue by x-ray fluorescence. LeBlanc AD, et al.
J Nucl Med 14:816-9, Nov 73
 Letter: Ectopic production of calcitonin. Hansen HH, et al.
Lancet 2:915, 20 Oct 73
 Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al.
South Med J 66:1247-9, Nov 73
 Calcitonin- and ACTH-producing cells in a case of medullary carcinoma of the thyroid.
 Immunofluorescence investigations. Bussolati G, et al.
Virchows Arch [Pathol Anat] 360:123-7, 9 Aug 73

MORTALITY

- Follicular carcinoma of the thyroid. Tollefsen HR, et al.
Am J Surg 126:523-8, Oct 73
 Is the differentiation between papillary and follicular thyroid carcinoma valid? Franssila KO.
Cancer 32:853-64, Oct 73

OCCURRENCE

- Is the differentiation between papillary and follicular thyroid carcinoma valid? Franssila KO.
Cancer 32:853-64, Oct 73
 Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al.
Int Surg 58:623-7, Sep 73
 Predictive oncology. 2. Bierman HR.
Int Surg 58:763-7, Nov-Dec 73

THYROID

THYROIDITIS

- Factors affecting incidence of calcitonin-producing tumours in the rat. Triggs SM, et al.
J Pathol 110:p8, Jul 73
 [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
 [Characteristics of the structure and clinical course of thyroid gland tumors] Masumov SA, et al.
Khirurgia (Mosk) 48:34-8, Dec 72 (Rus)

PATHOLOGY

- Ultimobranchial thyroid neoplasms in bulls. A syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. **Cancer** 32:865-78, Oct 73
 Is the differentiation between papillary and follicular thyroid carcinoma valid? Franssila KO.
Cancer 32:853-64, Oct 73
 Carcinoma of the thyroid in a stillborn male child. Saigal RK, et al. **Indian J Pediatr** 40:224-6, Jun 73
 Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al.
Int Surg 58:623-7, Sep 73
 Demonstration by immunoperoxidase staining of hyperplasia of para-follicular cells in the thyroid gland in hyperparathyroidism. LiVolsi VA, et al.
J Clin Endocrinol Metab 37:550-9, Oct 73
 Treatment of hyperthyroidism with sodium I 131. Carcinoma of the thyroid after 20 years. Kreps EM, et al. **JAMA** 226:774-5, 12 Nov 73
 Letter: Ectopic production of calcitonin. Hansen HH, et al. **Lancet** 2:915, 20 Oct 73
 Ultrastructural organ-specificity and polymorphism of the cancer cells. Raikhlin NT.
Neoplasma 20:567-78, May 73
 Calcitonin- and ACTH-producing cells in a case of medullary carcinoma of the thyroid.
 Immunofluorescence investigations. Bussolati G, et al. **Virchows Arch [Pathol Anat]** 360:123-7, 9 Aug 73
 [Papillary epithelioma of the thyroid gland. Apropos of 2 familial cases] Lacour J, et al.
Nouv Presse Med 2:2249-52, 29 Sep 73 (Eng. Abstr.) (Fre)
 [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
 [Pseudocarcinomatous lesions of thyroid gland after treatment with antithyroid drugs (author's transl)] Schauer A, et al.
Verh Dtsch Ges Kreislaufforsch 56:369-73, 1972 (Eng. Abstr.) (Ger)
 [Pulmonary manifestations of thyroid gland cancer] Dettlaff Z, et al.
Gruzica 41:889-94, Aug 73 (Eng. Abstr.) (Pol)
 [Tumor metastases to the thyroid gland] Kalinin AP, et al.
Khirurgia (Mosk) 49:30-3, Mar 73 (Eng. Abstr.) (Rus)
 [Characteristics of the structure and clinical course of thyroid gland tumors] Masumov SA, et al.
Khirurgia (Mosk) 48:34-8, Dec 72 (Rus)

PHYSIOPATHOLOGY

- Common origin for all neuroendocrine tumors. Gammill SL, et al.
Acta Radiol [Ther] (Stockh) 12:321-6, Aug 73 (30 ref.)
 Ultimobranchial thyroid neoplasms in bulls. A syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. **Cancer** 32:865-78, Oct 73
 Effect of impairment of thyroid functions on intracranial bone tumours in AkR mice.
 Muranyi-Kovacs I, et al. **Horm Res** 4:122-8, 1973
 [Decompensation of autonomous thyroid adenoma after long-term iodine intake (author's transl)] Mahlstedt J, et al.
Dtsch Med Wochenschr 98:1748-51, 21 Sep 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

- [The year in endocrinology] Albeaux-Fernet M, et al. **Annee Endocrinol** 24:1-197, 1972 (9 ref.) (Fre)

RADIOTHERAPY

- Follicular carcinoma of the thyroid. Tollefsen HR, et al. **Am J Surg** 126:523-8, Oct 73
 Induction of leukemia by 131-I treatment of thyroid carcinoma. Brincker H, et al.
Br J Cancer 28:232-7, Sep 73
 [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)

- [Radioliodine therapy of toxic adenomas of the thyroid gland] Kinser J, et al.
Ther Umsch 30:726-33, Oct 73 (Eng. Abstr.) (Ger)
 [Late complications of the urinary bladder after iodineradiotherapy of malignant thyroid tumors (author's transl)] Schmuckl O, et al.
Urologe [A] 12:130-3, May 73 (Eng. Abstr.) (Ger)
 [Cancer of the thyroid gland] Ivanova MA.
Khirurgia (Mosk) 49:28-30, Mar 73 (Eng. Abstr.) (Rus)

SURGERY

- Factors minimizing mortality and morbidity rates in head and neck surgery. Hayes Martin lecture. Beahrs OH. **Am J Surg** 126:443-51, Oct 73
 Follicular carcinoma of the thyroid. Tollefsen HR, et al. **Am J Surg** 126:523-8, Oct 73
 Use of human thyrotropin radioimmunoassay in the management of patients with thyroid carcinoma. Stahl TJ, et al. **J Nucl Med** 14:900-2, Dec 73
 I-131 urinary excretion studies. Invalidity in thyroid carcinoma. Verdon TA Jr, et al.
Rocky Mt Med J 70:47-9, Aug 73
 Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al.
South Med J 66:1247-9, Nov 73
 [5-year check-up following cylindrical tracheal resection with end-to-end suture for thyroid cancer] Savy J, et al.
J Fr Otorhinolaryngol 22:456-9, May 73 (Fre)
 [Malignant goiter] Fischer M, et al.
Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
 [Indications for surgery in thyroid diseases] Eckmann L. **Praxis** 62:1027-30, 21 Aug 73 (Ger)
 [Malignant papilloma of the thyroid gland] Saegesser M. **Praxis** 62:1048-52, 21 Aug 73 (Eng. Abstr.) (Ger)
 [Cancer of the thyroid gland] Ivanova MA.
Khirurgia (Mosk) 49:28-30, Mar 73 (Eng. Abstr.) (Rus)
 [Characteristics of the structure and clinical course of thyroid gland tumors] Masumov SA, et al.
Khirurgia (Mosk) 48:34-8, Dec 72 (Rus)

THERAPY

- Postoperative hypoparathyroidism. Hazards from vitamin D therapy. Fähræus B, et al.
Acta Chir Scand 139:437-41, 1973
 Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radioliodine treatment for hyperthyroidism. Gordin A, et al.
Acta Med Scand 194:335-40, Oct 73
 [The year in endocrinology] Albeaux-Fernet M, et al. **Annee Endocrinol** 24:1-197, 1972 (9 ref.) (Fre)
 [Cancer of the thyroid gland] Redon H.
Maroc Med 52:602-8, Oct 72 (Fre)

URINE

- I-131 urinary excretion studies. Invalidity in thyroid carcinoma. Verdon TA Jr, et al.
Rocky Mt Med J 70:47-9, Aug 73

VETERINARY

- Ultimobranchial thyroid neoplasms in bulls. A syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. **Cancer** 32:865-78, Oct 73

THYROIDITIS

BLOOD

- Rapid radioimmunoassay of triiodothyronine. Sekadde CB, et al. **Clin Chem** 19:1016-21, Sep 73
 Serum thyrotropin and thyroid hormones in the course of subacute thyroiditis. Ogihara T, et al.
J Clin Endocrinol Metab 37:602-6, Oct 73
 [The thyroid and plasma lipids] Bastenle PA.
Acta Cardiol (Brux) Suppl 15:49-56, 1972 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

- [Relation between oral contraceptive agents and thyroiditis] Schindler AE.
Med Welt 24:1030, 15 Jun 73 (Ger)

THYROID

THYROIDITIS

COMPLICATIONS

Subacute thyroiditis appearing as cardiac emergency: report of case. Streffling MR Jr, et al. *J Am Osteopath Assoc* 73:63-6, Sep 73

DIAGNOSIS

B-mode ultrasonography in assessment of thyroid gland lesions. Miskin M, et al. *Ann Intern Med* 79:505-10, Oct 73
Subacute thyroiditis appearing as cardiac emergency: report of case. Streffling MR Jr, et al. *J Am Osteopath Assoc* 73:63-6, Sep 73
De Quervains acute non suppurative thyroiditis in Nigeria. Ekpechi OL. *Trop Geogr Med* 25:223-5, Sep 73
[Subacute nonpurulent thyroadenitis (de Quervain's disease) (author's transl)] Kędracki A, et al. *Przegl Lek* 30:690-2, 1973 (Pol)

DRUG THERAPY

[Subacute nonpurulent thyroadenitis (de Quervain's disease) (author's transl)] Kędracki A, et al. *Przegl Lek* 30:690-2, 1973 (Pol)

ETIOLOGY

[Thyroiditis as a manifestation of polyvalent allergy] Petruk AE, et al. *Vrach Delo* 6:69-71, Jun 73 (Rus)

FAMILIAL & GENETIC

Accumulation of radioliodine in thyroids of chicks of the obese strain with hereditary thyroiditis and of their parental strain. Newcomer WS. *Gen Comp Endocrinol* 21:322-30, Oct 73

IMMUNOLOGY

Letter: Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busselton population. Fowler PB, et al. *Lancet* 2:862, 13 Oct 73
Immunogenetic detection of B locus genotypes in chickens with autoimmune thyroiditis. Bacon LD, et al. *Transplantation* 16:591-8, Dec 73

METABOLISM

Accumulation of radioliodine in thyroids of chicks of the obese strain with hereditary thyroiditis and of their parental strain. Newcomer WS. *Gen Comp Endocrinol* 21:322-30, Oct 73
Measurement of 127I concentration in thyroid tissue by x-ray fluorescence. LeBlanc AD, et al. *J Nucl Med* 14:816-9, Nov 73

OCCURRENCE

De Quervains acute non suppurative thyroiditis in Nigeria. Ekpechi OL. *Trop Geogr Med* 25:223-5, Sep 73

SURGERY

Factors minimizing mortality and morbidity rates in head and neck surgery. Hayes Martin lecture. Beahrs OH. *Am J Surg* 126:443-51, Oct 73
[Indications for surgery in thyroid diseases] Eckmann L. *Praxis* 62:1027-30, 21 Aug 73 (Ger)

THYROIDITIS, LYMPHOMATOUS

BLOOD

Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. *N Engl J Med* 289:1111-7, 22 Nov 73

COMPLICATIONS

Electron microscope observation of viruslike particles in comedocarcinoma of the human breast. Seman G, et al. *Cancer* 32:822-9, Oct 73
[Hyperthyroid thyroiditis and its relations to diabetes mellitus] Zahransky S. *Monatsschr Kinderheilkd* 121:405-7, Jul 73 (Ger)

DIAGNOSIS

[A case of cervical lymph-node tuberculosis] Traissac L, et al. *Rev Laryngol Otol Rhinol (Bord)* 94:261-7, May-Jun 73 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Familial lymphocytic thyroiditis: analysis of linkage with histocompatibility and blood groups. Bode HH, et al. *J Clin Endocrinol Metab* 37:692-7, Nov 73
[Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al. *Sov Med* 35:35-41, Jun 72 (129 ref.) (Rus)

IMMUNOLOGY

Ultrastructural alterations of the follicular basement membrane in Hashimoto's thyroiditis. Report of eight cases with basement deposits. Kalderon AE, et al. *Am J Med* 55:485-91, Oct 73
Ultracentrifugal and immunological comparisons of succinylated human thyroglobulin and 27 S iodoprotein. Smith DJ, et al. *Immunol Commun* 2:371-82, 1973
Familial lymphocytic thyroiditis: analysis of linkage with histocompatibility and blood groups. Bode HH, et al. *J Clin Endocrinol Metab* 37:692-7, Nov 73
Tolerance to an autoantigen-thyroglobulin. Antigen-binding lymphocytes in thymus and blood in health and autoimmune disease. Roberts IM, et al. *Lancet* 2:936-40, 27 Oct 73
Editorial: Lymphocytes reactive to autoantigens. *Lancet* 2:949-50, 27 Oct 73
Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. *N Engl J Med* 289:1111-7, 22 Nov 73
[Iodine distribution (125I and 127I) of a thyroid tissue in a patient with Hashimoto's disease (author's transl)] Etling N. *Ann Endocrinol (Paris)* 34:295-302, May-Jun 73 (Eng. Abstr.) (Fre)

METABOLISM

A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. Gray HW, et al. *J Endocrinol* 59:1-5, Oct 73
[Iodine distribution (125I and 127I) of a thyroid tissue in a patient with Hashimoto's disease (author's transl)] Etling N. *Ann Endocrinol (Paris)* 34:295-302, May-Jun 73 (Eng. Abstr.) (Fre)

MICROBIOLOGY

Letter: Virus-like particles in Hashimoto's disease and a variety of other tissues. Kahn LB. *Lab Invest* 29:350-1, Sep 73

OCCURRENCE

Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al. *Int Surg* 58:623-7, Sep 73

PATHOLOGY

Ultrastructural alterations of the follicular basement membrane in Hashimoto's thyroiditis. Report of eight cases with basement deposits. Kalderon AE, et al. *Am J Med* 55:485-91, Oct 73
Surgical pathology of the thyroid gland in Iraq. A study of 200 cases. Al-Saleem T, et al. *Int Surg* 58:623-7, Sep 73
Demonstration by immunoperoxidase staining of hyperplasia of parafollicular cells in the thyroid gland in hyperparathyroidism. LiVolai VA, et al. *J Clin Endocrinol Metab* 37:550-9, Oct 73
Letter: Virus-like particles in Hashimoto's disease and a variety of other tissues. Kahn LB. *Lab Invest* 29:350-1, Sep 73

PHYSIOPATHOLOGY

20-Min 99mTc thyroid uptake: a simplified method using the gamma camera. Higgins HP, et al. *J Nucl Med* 14:907-11, Dec 73

THYROIDITIS,

THYROID

Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al.
Metabolism 23:1357-65, Nov 73

SURGERY

[Iodine distribution (^{125}I and ^{127}I) of a thyroid tissue in a patient with Hashimoto's disease (author's transl)] Etling N.
Ann Endocrinol (Paris) 34:295-302, May-Jun 73 (Eng. Abstr.) (Fre)

THYROID

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DEXTROTHYROXINE

THERAPEUTIC USE

- Therapy of lipid disorders. Krikler DM.
J Clin Pathol [Suppl] 5:Suppl 5:72-7, 1973 (24 ref.)
 Hyperlipoproteinemia. Some basic concepts on diagnosis and management. Levy RI.
JAMA 228:848-9, 5 Nov 73

DIODOTYROSINE

ANALYSIS

- Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. *Biochimie* 55:263-7, 1973

BLOOD

- Plasma thyrotropin levels in severe infantile malnutrition. Godard C, et al. *Horm Res* 4:43-52, 1973

METABOLISM

- Iodoaminoacids in normal and iodine-deficient rat thyroids: comparison between 125I and 127I distribution. Volpert EM.
Endocrinology 93:1241-50, Dec 73
 The response of hagfish thyroid tissue to thyroid inhibitors and to mammalian thyroid-stimulating hormone. Kerkof PR, et al.
Gen Comp Endocrinol 21:231-40, Oct 73
 Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on 131-I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al.
Proc Soc Exp Biol Med 143:1062-6, Sep 73
 [Experimental studies on biosynthesis of thyroxine from diiodotyrosine] Ito S, et al.
Folia Endocrinol Jap 49:1167-76, 20 Sep 73 (Eng. Abstr.) (Jap)

IODOTYROSINE

- Degradation of thyroxine by microsomal particles from rat liver. II. Purification of Fe²⁺-dependent particles and some of their properties. Ushijima Y, et al.
Biochim Biophys Acta 320:284-94, 14 Sep 73
 Tyrosine hydroxylase of sheep brain: some catalytic and chemical properties of the detergent-solubilized, partially purified enzyme. Pollon WN.
J Neurochem 21:729-41, Oct 73

ANALYSIS

- Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. *Biochimie* 55:263-7, 1973
 [Iodine distribution (125I and 127I) of a thyroid tissue in a patient with Hashimoto's disease (author's transl)] Etling N.
Ann Endocrinol (Paris) 34:295-302, May-Jun 73 (Eng. Abstr.) (Fre)

BLOOD

- Plasma thyrotropin levels in severe infantile malnutrition. Godard C, et al. *Horm Res* 4:43-52, 1973

METABOLISM

- Iodoaminoacids in normal and iodine-deficient rat thyroids: comparison between 125I and 127I distribution. Volpert EM.
Endocrinology 93:1241-50, Dec 73
 The response of hagfish thyroid tissue to thyroid inhibitors and to mammalian thyroid-stimulating hormone. Kerkof PR, et al.
Gen Comp Endocrinol 21:231-40, Oct 73

- Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on 131-I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al.
Proc Soc Exp Biol Med 143:1062-6, Sep 73

THYROGLOBULIN

- Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radiolodine therapy. Gordin A.
Acta Endocrinol (Kbh) 74:283-95, Oct 73
 Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radiolodine treatment for hyperthyroidism. Gordin A, et al.
Acta Med Scand 194:335-40, Oct 73
 Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. *Biochimie* 55:263-7, 1973
 Evaluation of a tanned red cell technique for thyroid microsomal antibodies. Bird T, et al.
J Clin Pathol 26:623-7, Aug 73
 Tolerance to an autoantigen-thyroglobulin. Antigen-binding lymphocytes in thymus and blood in health and autoimmune disease. Roberts IM, et al.
Lancet 2:936-40, 27 Oct 73
 Editorial: Lymphocytes reactive to autoantigens. *Lancet* 2:949-50, 27 Oct 73

ANALYSIS

- Sialic acid in thyroglobulin. Maresz Z.
Arch Immunol Ther Exp (Warsz) 21:583-8, 1973
 Gastric parietal cell antibodies in young men with alcoholism and with non-ulcer dyspepsia. Roberts DM, et al. *Digestion* 9:30-5, 1973
 Ultracentrifugal and immunological comparisons of succinylated human thyroglobulin and 27 S iodoprotein. Smith DJ, et al.
Immunol Commun 2:371-82, 1973

BIOSYNTHESIS

- Cyclic AMP and thyroid hormone synthesis. I. Stimulation of the biosynthesis of thyroglobulin-related polypeptides and proteins in bovine thyroid slices. Salahé H, et al.
Horm Res 4:274-87, 1973

BLOOD

- Serum triiodothyronine, thyroxine and thyroid-stimulating hormone in endemic goiter: a comparison of goitrous and nongoitrous subjects in New Guinea. Patel YC, et al.
J Clin Endocrinol Metab 37:783-9, Nov 73
 Comparison of alterations in circulating thyroglobulin, triiodothyronine and thyroxine in response to exogenous (bovine) and endogenous (human) thyrotrophin. Uller RP, et al.
J Clin Endocrinol Metab 37:741-5, Nov 73

METABOLISM

- Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. Otake M, et al.
Proc Soc Exp Biol Med 144:538-43, Nov 73

THYROID HORMONES

ADMINISTRATION & DOSAGE

- [Data on the diagnosis of thyroid adenomas] Fényes G.
Orv Hetil 49:2966-7, 9 Dec 73 (Hun)

ADVERSE EFFECTS

- Comparison of growth acceleration of pituitary dwarfs

treated with anabolic steroid and thyroid hormone with normal growth spurt. Harada Y, et al. *Acta Endocrinol (Khh)* 74:237-49, Oct 73

BIOSYNTHESIS

Thyroid iodine metabolism in vitro. I. Experimental technique. Männistö PT. *Ann Med Exp Biol Fenn* 51:34-41, 1973
Thyroid iodine metabolism in vitro. II. Effect of lithium ion. Männistö PT. *Ann Med Exp Biol Fenn* 51:42-5, 1973
[Assessment of thyroid function by means of serum thyroid hormone concentration and protein binding capacity (author's transl)] Kohler H, et al. *Ther Umsch* 30:701-7, Oct 73 (Eng. Abstr.) (Ger)
[Gonitrogenic activity of turnip: experimental study in rats (author's transl)] Muñoz-Rodríguez M, et al. *Rev Esp Fisiol* 29:21-6, Mar 73 (Eng. Abstr.) (Spa)

BLOOD

Iodine and lithium-induced hypothyroidism. Documentation of synergism. Shopsin B, et al. *Am J Med* 55:695-9, Nov 73
Prenatal hypothyroidism and brain composition in a primate. Holt AB, et al. *Nature* 243:413-5, 15 Jun 73
[Assessment of thyroid function by means of serum thyroid hormone concentration and protein binding capacity (author's transl)] Kohler H, et al. *Ther Umsch* 30:701-7, Oct 73 (Eng. Abstr.) (Ger)

METABOLISM

The effect of fetal thyroidectomy on thyroid hormone metabolism in maternal and fetal sheep. Erenberg A, et al. *Pediatr Res* 7:870-7, Nov 73
[Editorial: Hepatic control of the metabolism of thyroid hormones] Darnis F. *Acta Gastroenterol Belg* 36:335-44, Jul-Aug 73 (Fre)
[Complex biochemical studies of the metabolic processes in glaucoma] Kasavina BS, et al. *Vestn Oftalmol* 5:15-9, 1972 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Neuro-endocrine correlates of immune response. I. Effects of brain lesions on antibody production, Arthus reactivity and delayed hypersensitivity in the rat. Janković BD, et al. *Int Arch Allergy Appl Immunol* 45:360-72, 1973
Alterations induced by thyroidal hormones in the response to temperature by T-1 kidney cells. Siegel E. *Proc Soc Exp Biol Med* 144:455-9, Nov 73
The biosynthesis of bile acids. Percy-Robb IW, et al. *Scott Med J* 18:166-8 passim, Sep 73
[Trisorb, tetrasorb and ETR--interpretation of the test results] Iino S. *Jap J Clin Med* 31:1672-91, 1973 (92 ref.) (Jap)
[TRH test--interpretation of the test results] Miyai K, et al. *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)
[Mechanism of the effect of disordered thyroid function on posthemorrhagic erythropoiesis] Lunina NV. *Patol Fiziol Eksp Ter* 17:61-3, Jan-Feb 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

T3 thyrotoxicosis. Gharib H, et al. *Am Fam Physician* 8:144-6, Nov 73
Winter sleep in the black bear. A physiologic and metabolic marvel. Nelson RA. *Mayo Clin Proc* 48:733-7, Oct 73
The effect of parathyroid hormone on rabbit renal cortex adenyl cyclase during development. Linarelli LG, et al. *Pediatr Res* 7:878-82, Nov 73
The molecular and ionic basis of altered myocardial contractility. Kones KJ. *Res Commun Chem Pathol Pharmacol* 5:1-84, Jan 73 (796 ref.)
[Role of thyroid gland and adrenal medullary hormones in thermoregulation reactions] Pevny SA, et al. *Fiziol Zh SSSR* 59:600-5, Apr 73 (Eng. Abstr.) (Rus)

SECRETION

Thyrotropic tumor syndrome. A multiglandular disease induced by sustained deficiency of thyroid hormones. Furth J, et al. *Arch Pathol* 96:217-26, Oct 73
Studies on the mechanism of inhibitory action of excess

iodide on thyroid hormone secretion. Otake M, et al. *Proc Soc Exp Biol Med* 144:538-43, Nov 73

THERAPEUTIC USE

Observations on the use of clofibrate in common hyperlipoproteinemia. Strisower EH. *Acta Cardiol (Brux)* Suppl 15:139-4, 1972
Comparison of growth acceleration of pituitary dwarfs treated with anabolic steroid and thyroid hormone with normal growth spurt. Harada Y, et al. *Acta Endocrinol (Khh)* 74:237-49, Oct 73
Thyrotoxicosis in pregnancy. Ayromloo J, et al. *Am J Obstet Gynecol* 117:818-23, 15 Nov 73
Epidermolysis bullosa dystrophica et albo-papuloidea pasini in an Indian. A case report. Kumar K, et al. *Dermatologica* 147:137-43, Aug 73
Clinical note. Bioelectric brain development in hypothyroidism. A quantitative analysis with EEG power spectra. Lenard HG, et al. *Electroencephalogr Clin Neurophysiol* 35:545-9, Nov 73
[Results obtained with a new beta-blocker, pindolol, in 40 patients with thyroid diseases] Laroche C, et al. *Ann Endocrinol (Paris)* 34:236-8, Mar-Apr 73 (Eng. Abstr.) (Fre)
[Diagnosis and therapy of infertility in the male] Petres J, et al. *Munch Med Wochenschr* 115:1175-82, 22 Jun 73 (Eng. Abstr.) (Ger)
[Congenital atbyreosis and favus (regression of mycosis, resistant to griseofulvin, under treatment with thyreoidine)] Aravišklis AN, et al. *Vestn Dermatol Venerol* 47:86-8, May 73 (Rus)

THYRONINE

SECRETION

[Hypothalamic control of thyroid function] Medeiros-Neto GA. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)

THYROXINE

Effect of impairment of thyroid functions on intracranial bone tumours in AKR mice. Muranyi-Kovacs I, et al. *Horm Res* 4:122-8, 1973
Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradilová M, et al. *Int J Vitam Nutr Res* 43:283-90, 1973
[Ketosis induction by feeding measures including the administration of thyroxine in lactating cows] Drepper K, et al. *Berl Munch Tierarztl Wochenschr* 86:281-3, 1 Aug 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

The effect of thyroxine on the maturation of fetal rabbit lungs. Wu B, et al. *Biol Neonate* 22:161-8, 1973
Replacement therapy for induced hypothyroidism in dogs. Hightower D, et al. *J Am Vet Med Assoc* 163:979-80, 15 Oct 73
Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. *J Clin Invest* 52:2783-92, Nov 73
Quantitative variation in erythrocyte enzymes of the pig-tailed macaque, *Macaca nemestrina*. Headings VE. *J Med Primatol* 2:100-7, 1973
An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. Deol MS. *J Oral Surg* 10:235-42, Sep 73
[Extrathyroidal effect of methylmercaptolimidazol. I. Effect of methylmercaptolimidazol on the activity of some enzymes of the liver and kidney in guinea pigs after administration of thyroxine] Mitev IP, et al. *Prohl Endokrinol (Mosk)* 19:94-6, Sep-Oct 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Therapy of eutbyroid struma using synthetic thyroid hormone] Rubinjonl Z, et al. *Med Welt* 24:1225-7, 10 Aug 73 (Ger)

ANALYSIS

- Studies on thyroid function in the mouse: Interstrain differences in thyroxine secretion rates and organ content of thyroxine. England P, et al. *Acta Endocrinol (Kbh)* 73:681-8, Aug 73
 Radioimmunoassay data handling. Widman JC, et al. *Am J Clin Pathol* 60:480-6, Oct 73
 Total plasma thyroxine concentrations in horses, pigs, cattle, and sheep: anion exchange resin chromatography and ceric-arsenite colorimetry. Sutherland RL, et al. *Am J Vet Res* 34:1261-5, Oct 73

BIOSYNTHESIS

- On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. *Acta Endocrinol (Kbh)* 74:296-306, Oct 73
 Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on 131-I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al. *Proc Soc Exp Biol Med* 143:1062-6, Sep 73
 [Experimental studies on biosynthesis of thyroxine from diiodotyrosine] Ito S, et al. *Folia Endocrinol Jap* 49:1167-76, 20 Sep 73 (Eng. Abstr.) (Jap)
 [Clofibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al. *Rev Esp Fisiol* 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

BLOOD

- Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radiolodine therapy. Gordin A. *Acta Endocrinol (Kbh)* 74:283-95, Oct 73
 Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Karlberg BE. *Acta Endocrinol (Kbh)* 73:689-99, Aug 73
 Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radiolodine treatment for hyperthyroidism. Gordin A, et al. *Acta Med Scand* 194:335-40, Oct 73
 Diagnostic value of serum thyroxine and free thyroxine index. Llewendahl K, et al. *Acta Med Scand* 194:341-8, Oct 73
 A modification of radiocompetitive binding technique for serial measurements of total blood thyroxine level. Klimaszewski J, et al. *Acta Physiol Pol* 24:677-84, 1973
 Blood catecholamines and thyroxine in men exposed to high environmental temperatures. Kozłowski S, et al. *Acta Physiol Pol* 24:517-24, Jul-Aug 73
 Cretinism and the fetal-maternal relationship. Stanbury JB. *Adv Exp Med Biol* 30:487-505, 1972 (50 ref.)
 T3 thyrotoxicosis. Gharib H, et al. *Am Fam Physician* 8:144-6, Nov 73
 Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates. Schenken JR, et al. *Am J Clin Pathol* 60:499-501, Oct 73
 Thyroid function tests in domesticated animals: free thyroxine index. Kallfelz FA, et al. *Am J Vet Res* 34:1449-51, Nov 73
 Total plasma thyroxine concentrations in horses, pigs, cattle, and sheep: anion exchange resin chromatography and ceric-arsenite colorimetry. Sutherland RL, et al. *Am J Vet Res* 34:1261-5, Oct 73
 Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. Ramírez G, et al. *Ann Intern Med* 79:500-4, Oct 73
 Hypoinsulinemia of hypothyroidism. Shah JH, et al. *Arch Intern Med* 132:657-61, Nov 73
 Single dose, "block-replace" drug therapy in hyperthyroidism. Wise PH, et al. *Br Med J* 4:143-5, 20 Oct 73
 Radioimmunoassay of thyroxine in unextracted serum, by a single-antibody technique. Dunn RT, et al. *Clin Chem* 19:1063-6, Sep 73
 Saturation in the competitive protein-binding assay of serum thyroxine. Cook DB, et al. *Clin Chim Acta* 47:183-9, 30 Aug 73
 Work simplification of a competitive protein binding analysis for serum thyroxine. A study of some

- analytical variables affecting accuracy and precision. Seth J. *Clin Chim Acta* 46:443-53, 27 Jul 73
 Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some laboratory factors affecting assay results. Seth J. *Clin Chim Acta* 46:431-41, 27 Jul 73
 Clinical note. Bioelectric brain development in hypothyroidism. A quantitative analysis with EEG power spectra. Lenard HG, et al. *Electroencephalogr Clin Neurophysiol* 35:545-9, Nov 73
 Plasma thyrotrophin levels in severe infantile malnutrition. Godard C, et al. *Horm Res* 4:43-52, 1973
 Evaluation of the changes of in vitro thyroid function tests during pregnancy (binding capacity of triiodothyronine, dosage of total thyroxine, free thyroxine and its computed T7-index). Spiessens H, et al. *J Beige Radiol* 56:217-22, May-Jun 73
 Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. *J Clin Endocrinol Metab* 37:955-67, Dec 73
 Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al. *J Clin Endocrinol Metab* 37:540-9, Oct 73
 Serum thyrotrophin and thyroid hormones in the course of subacute thyroiditis. Ogihara T, et al. *J Clin Endocrinol Metab* 37:602-6, Oct 73
 Serum triiodothyronine, thyroxine and thyroid-stimulating hormone in endemic goiter: a comparison of goitrous and nongoitrous subjects in New Guinea. Patel YC, et al. *J Clin Endocrinol Metab* 37:783-9, Nov 73
 Competitive ligand-binding assay for measurement of sex hormone-binding globulin (SHBG). Tulchinsky D, et al. *J Clin Endocrinol Metab* 37:873-81, Dec 73
 Comparison of alterations in circulating thyroglobulin, triiodothyronine and thyroxine in response to exogenous (bovine) and endogenous (human) thyrotrophin. Uller RP, et al. *J Clin Endocrinol Metab* 37:741-5, Nov 73
 Increased serum thyroxine levels in euthyroid narcotic addicts. Webster JB, et al. *J Clin Endocrinol Metab* 37:928-34, Dec 73
 Thyroxine kinetics during prolonged estrogen administration. Zaninovich AA. *J Clin Endocrinol Metab* 37:949-54, Dec 73
 Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. *J Clin Invest* 52:2783-92, Nov 73
 Thyroid hormone secretion rates in growing Jersey cattle. Anderson RR, et al. *J Dairy Sci* 56:1159-63, Sep 73
 Iodine concentration in nonthyroid tissues of cows. Miller JK, et al. *J Dairy Sci* 56:1344-6, Oct 73
 Effects of extended lactation and 9 alpha-fluoroprednisolone acetate on serum thyroxine and lactational performance. Lorscheider FL, et al. *J Endocrinol* 58:393-403, Sep 73
 Thyroid function in the foetal lamb during the last third of gestation. Nathanielsz PW, et al. *J Endocrinol* 58:535-46, Sep 73
 Plasma tri-iodothyronine concentration in the foetal and newborn lamb. Nathanielsz PW, et al. *J Endocrinol* 58:683-4, Sep 73
 Quantitative variation in erythrocyte enzymes of the pig-tailed macaque, *Macaca nemestrina*. Headings VE. *J Med Primatol* 2:100-7, 1973
 Radioimmunoassay measurements of serum cortisol, thyroxine, growth hormone and luteinizing hormone with simultaneous electroencephalographic changes during continuous noise in man. Favino A, et al. *J Nucl Biol Med* 17:119-22, Jul-Sep 73
 A single method for measuring total thyroxine and free thyroxine index in serum. Abreau C, et al. *J Nucl Med* 14:740-6, Oct 73
 T4 extraction efficiencies of three alcohols. Brookeman VA. *J Nucl Med* 14:826-7, Nov 73
 Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L. *JAMA* 226:1083-8, 26 Nov 73
 Letter: Plasma-T3 assay in kwashiorkor. Van der Westhuizen JM. *Lancet* 2:965, 27 Oct 73
 Prenatal hypothyroidism and brain composition in a primate. Hoyt AB, et al. *Nature* 243:413-5, 15 Jun 73
 A comparison of the diagnostic value of several tests of thyroid function. Koutras DA, et al. *Nucl Med (Stuttg)* 12:107-19, 31 Aug 73

- The effect of fetal thyroidectomy on thyroid hormone metabolism in maternal and fetal sheep. Erenberg A, et al. *Pediatr Res* 7:870-7, Nov 73
- Effect of nicotinic-acid-induced variation of plasma free fatty acids on some hormones in starving subjects. Kagedal B, et al. *Scand J Clin Lab Invest* 31:331-6, May 73
- [Colter prevention] Scriba PC. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)
- [Comparative studies on the accuracy of in-vitro tests for thyroid diagnosis] Schmidt HA, et al. *Nucl Med (Stuttg)* 12:91-6, 31 Aug 73 (Eng. Abstr.) (Ger)
- [Assessment of thyroid function by means of serum thyroid hormone concentration and protein binding capacity (author's transl)] Kobler H, et al. *Ther Umsch* 30:701-7, Oct 73 (Eng. Abstr.) (Ger)
- [Determination of the effective thyroxine ratio (ETR) (author's transl)] Rudorff KH, et al. *Z Klin Chem Klin Biochem* 11:259-62, Jun 73 (Ger)
- [Total and free serum thyroxine and triiodothyronine levels and the effect of estrogen in a family with thyroxine-binding globulin deficiency] Sakurada T, et al. *Folia Endocrinol Jap* 49:1198-206, 20 Sep 73 (Eng. Abstr.) (Jap)
- [Significance of FBI determination in thyroid function test-Interpretation of the test results] Hiranol N. *Jap J Clin Med* 31:1657-71, 1973 (Jap)
- [Triosorb, tetrasorb and ETR-Interpretation of the test results] Iino S. *Jap J Clin Med* 31:1672-91, 1973 (92 ref.) (Jap)
- [Thyroxine binding protein, free thyroxine and triiodothyronine-Interpretation of the test results] Inada M. *Jap J Clin Med* 31:1692-9, 1973 (70 ref.) (Jap)
- [Measurement of thyroxine in blood of Indians of the Menkranoit and Kuben-Kran-Kegn] Vielra Filho JP, et al. *Rev Assoc Med Bras* 19:193-6, May 73 (Eng. Abstr.) (Por)
- [Clofibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al. *Rev Esp Fisiol* 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

METABOLISM

- Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Kariberg BE. *Acta Endocrinol (Kbh)* 73:689-99, Aug 73
- Degradation of thyroxine by microsomal particles from rat liver. II. Purification of Fe²⁺-dependent particles and some of their properties. Ushijima Y, et al. *Biochim Biophys Acta* 320:284-94, 14 Sep 73
- Proceedings: changes in thyroid status after experimental femur fractures in the rat. Richards JR, et al. *Br J Surg* 60:903, Nov 73
- Thyroid hormone binding in dog plasma. Davis PJ, et al. *Endocrinology* 93:1445-8, Dec 73
- Iodoaminoacids in normal and iodine-deficient rat thyroids: comparison between 125I and 127I distribution. Volpert EM. *Endocrinology* 93:1241-50, Dec 73
- The response of bagfish thyroid tissue to thyroid inhibitors and to mammalian thyroid-stimulating hormone. Kerkof PR, et al. *Gen Comp Endocrinol* 21:231-40, Oct 73
- Preferential association of thyroxine with mitochondrial fraction from control and oestrogenized rat adenohypophyses. Pfibyl T, et al. *Horm Res* 4:114-21, 1973
- Limited capacity binding sites for L-triiodothyronine in rat liver nuclei. Localization to the chromatin and partial characterization of the L-triiodothyronine-chromatin complex. Surks MI, et al. *J Biol Chem* 248:7066-72, 25 Oct 73
- Thyroxine kinetics during prolonged estrogen administration. Zaninovich AA. *J Clin Endocrinol Metab* 37:949-54, Dec 73
- Delodination of 131-I-labeled thyroxine in the fetal rat. Burman KD, et al. *Proc Soc Exp Biol Med* 143:1003-7, Sep 73
- [Editorial: Hepatic control of the metabolism of thyroid hormones] Darnis F. *Acta Gastroenterol Belg* 36:335-44, Jul-Aug 73 (Fre)
- [Intrathyroid iodine metabolism and biological half-life of T₄ in children] Kirsch W, et al. *Monatsschr Kinderheilkd* 121:408-9, Jul 73 (Ger)
- [TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et

- al. *Nucl Med (Stuttg)* 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)
- [Relationship between liver disorders and thyroid gland function in patients with diabetes mellitus] Shevchenko IB, et al. *Vrach Delo* 6:64-6, Jun 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

- Effect of L-thyroxine on secretory response to histamine in ex vivo canine stomach perfused with homologous blood of thyroidectomized dog. Kowalewski K, et al. *Am J Dig Dis* 18:873-80, Oct 73
- Effect of thyroid hormone on cerebral glucose metabolism in the infant rat. Moore TJ, et al. *Am J Physiol* 225:925-9, Oct 73
- The effect of low oxygen concentration on growth, glycolysis, and sulfate incorporation by articular chondrocytes in monolayer culture. Marcus RE. *Arthritis Rheum* 16:646-56, Sep-Oct 73
- The effect of thyroxine on the maturation of fetal rabbit lungs. Wu B, et al. *Biol Neonate* 22:161-8, 1973
- Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats. Field FP, et al. *Can J Physiol Pharmacol* 51:344-53, May 73
- The effects of thyroxine and isopropylnoradrenaline on cytochrome oxidase activity in brown adipose tissue. Helck HM, et al. *Can J Physiol Pharmacol* 51:751-8, Oct 73
- Action of human placental lactogen on second metamorphosis in the newt *Notophthalmus viridescens*. Gona O, et al. *Gen Comp Endocrinol* 21:377-80, Oct 73
- Ultrastructural changes induced by pregnenolone-16 alpha-carbonitrile in the hepatocytes of thyro-parathyroidectomized and L-thyroxine-treated rats. Garg BD, et al. *Horm Res* 4:53-64, 1973
- Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. *J Clin Invest* 52:2783-92, Nov 73
- Dopaminergic neurons in explants of substantia nigra in culture. Coyle JT, et al. *J Neurobiol* 4:461-70, 1973
- Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al. *J Neurochem* 21:861-71, Oct 73
- Growth responses in thyroidectomized, hypophysectomized and alloxan diabetic rats infected with plerocercoids of the tapeworm, *Spirometra mansonioides*. Ruegamer WR, et al. *J Nutr* 103:1496-501, Oct 73
- Comparison of degree of susceptibility of hyperthyroid and euthyroid animals to cardiac glycoside-induced arrhythmias. Thompson EB. *J Pharm Sci* 62:1638-43, Oct 73
- S-adenosylmethionine: guanidinoacetate N-methyltransferase activities in livers from rats with hormonal deficiencies or excesses. Carlson M, et al. *Proc Soc Exp Biol Med* 143:1256-9, Sep 73
- Alterations induced by thyroidal hormones in the response to temperature by T-1 kidney cells. Siegel E. *Proc Soc Exp Biol Med* 144:455-9, Nov 73
- Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al. *Proc Soc Exp Biol Med* 143:948-53, Sep 73
- Hyperfunctioning thyroid adenoma in a euthyroid adolescent. Rosenbloom AL, et al. *South Med J* 66:1247-9, Nov 73
- [Effect of treatment by thyroxine and propylthiouracil on the rate of formation of norepinephrine in eight peripheral organs of the rat] Beley A, et al. *Arch Int Physiol Biochim* 81:287-98, May 73 (Fre)
- [Influence of thyroidectomy on the enzyme activities of hepatic mitochondria in rats] Clot JP, et al. *Biochimie* 55:451-6, 1973 (Eng. Abstr.) (Fre)
- [Decompensation of autonomous thyroid adenoma after long-term iodine intake (author's transl)] Mahstedt J, et al. *Dtsch Med Wochenschr* 98:1748-51, 21 Sep 73 (Eng. Abstr.) (Ger)
- [Oxygen consumption in the newborn period under the effect of drugs. 1. Influence of thyroxine on oxygen consumption of newborn mice] Scigalla P, et al. *Paediatr Grenzgeb* 12:71-7, 1973 (Eng. Abstr.) (Ger)
- [Relation of lipolytic activity to thyroid gland function at different stages of ontogenesis] Nikitin VN, et al. *Dokl Akad Nauk SSSR* 212:262-4, 1 Sep 73 (Rus)

THYROXINE

- [Effect of hormones on water-electrolyte metabolism]
Dedov II, et al.
Izv Akad Nauk SSSR [Biol] 4:525-32, Jul-Aug 73 (Eng.
Abstr.) (Rus)
[Action of thyroxine on the reproduction of cells in
HeLa culture] Romanov IuA, et al.
Probl Endokrinol (Mosk) 19:90-4, Sep-Oct 73 (Eng.
Abstr.) (Rus)

PHYSIOLOGY

- Cretinism and the fetal-maternal relationship.
Stanbury JB.
Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
The hypothalamic areas involved in the control of
mammary and lactotrophic processes in sheep.
Domański E, et al.
Endocrinol Exp (Bratisl) 7:229-46, Sep 73
Hormonal regulation of cyclic AMP. Murad F, et al.
Semin Drug Treat 3:189-202, Autumn 73
[Stimulation of the hypophyso-thyroid system during
the perinatal period] Siebodziński AB.
Acta Physiol Pol [Suppl] 24:713-22, 1973 (Pol)

SECRETION

- Studies on thyroid function in the mouse: Interstrain
differences in thyroxine secretion rates and organ
content of thyroxine. England P, et al.
Acta Endocrinol (Kbh) 73:681-8, Aug 73
Thyroid hormone secretion rates in growing Jersey
cattle. Anderson RR, et al.
J Dairy Sci 56:1159-63, Sep 73
[Hypothalamic control of thyroid function]
Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct
73 (29 ref.) (Por)

STANDARDS

- Quality control in quantitative radioisotope
procedures. Ravel R, et al.
Am J Med Technol 38:487-90, Dec 72

THERAPEUTIC USE

- Eczéma craquelé as the presenting feature of
myxoedema. Warin AP.
Br J Dermatol 89:289-91, Sep 73
Replacement therapy for induced hypothyroidism in
dogs. Hightower D, et al.
J Am Vet Med Assoc 163:979-80, 15 Oct 73
Ectopic pinealoma: an unusual clinical presentation and
a histochemical comparison with a seminoma of the
testis. Beeley JM, et al.
J Neurol Neurosurg Psychiatry 36:864-73, Oct 73
A single method for measuring total thyroxine and free
thyroxine index in serum. Abreau C, et al.
J Nucl Med 14:740-6, Oct 73
An experimental approach to the understanding and
treatment of hereditary syndromes with congenital
deafness and hypothyroidism. Deol MS.
J Oral Surg 10:235-42, Sep 73
Hyperthyroidism in pregnancy: a study of 37
pregnancies in 34 patients. Chew PC, et al.
Singapore Med J 14:95-8, Jun 73
In vitro thyroid function test: results during
replacement therapy in hypothyroid Beagle dogs.
Hightower D, et al.
Vet Med Small Anim Clin 68:1131-2, Oct 73
[Goiter prevention] Scriba PC.
Internist (Berlin) 14:330-4, Jul 73 (Ger)
[Therapy of euthyroid struma using synthetic thyroid
hormone] Rubinjon Z, et al.
Med Welt 24:1225-7, 10 Aug 73 (Ger)

TRIODOXYRONE

- Letter: Conformation of thyrotropin-releasing
hormone: prediction from molecular orbital theory.
George JM, et al. J Theor Biol 40:393-6, 15 Aug 73
[Homotropic cooperative effects and rising B-F-curves
in hormone-antibody reactions (author's transl)]
Bartels HJ, et al.
Z Klin Chem Klin Biochem 11:311-8, Jul 73 (Eng.
Abstr.) (Ger)
[Triosorb, tetrasorb and ETR--interpretation of the
test results] Iino S.
Jap J Clin Med 31:1672-91, 1973 (92 ref.) (Jap)

THYROID

ADMINISTRATION & DOSAGE

- Single dose, "block-replace" drug therapy in
hyperthyroidism. Wise PH, et al.
Br Med J 4:143-5, 20 Oct 73
Replacement therapy for induced hypothyroidism in
dogs. Hightower D, et al.
J Am Vet Med Assoc 163:979-80, 15 Oct 73

ANALYSIS

- Free thyroxine index in maternal and cord sera:
coefficients of variation evaluated by the method of
differences of duplicates. Schenken JR, et al.
Am J Clin Pathol 60:499-501, Oct 73
Electron microscopic radioautography of
125I-triiodothyronine in rat posterior pituitary and
median eminence. Bar-Sella P, et al.
Endocrinology 93:1410-22, Dec 73
T3 toxicosis in adolescence: presentation as recurrent
hyperthyroidism. AvRuskin TW, et al.
Pediatrics 52:649-52, Nov 73

BIOSYNTHESIS

- On the mechanism of goitre formation during lithium
treatment in the rat. Leppäluoto J, et al.
Acta Endocrinol (Kbh) 74:296-306, Oct 73
Thyroidal particulate protein in the synthesis of
thyroid hormones: effect of iodide on 131-I
distribution among iodoamino acids in
iodine-deficient rat thyroids. Onaya T, et al.
Proc Soc Exp Biol Med 143:1062-6, Sep 73

BLOOD

- Serum thyrotropin and circulating thyroglobulin
antibodies in subjects with non-toxic goitre and in
euthyroid subjects who had undergone subtotal
thyroidectomy or radiolodine therapy. Gordin A.
Acta Endocrinol (Kbh) 74:283-95, Oct 73
Serum thyrotropin and response to
thyrotropin-releasing hormone in patients who are
euthyroid after radiolodine treatment for
hyperthyroidism. Gordin A, et al.
Acta Med Scand 194:335-40, Oct 73
Diagnostic value of serum thyroxine and free thyroxine
index. Llewendahl K, et al.
Acta Med Scand 194:341-8, Oct 73
T3 thyrotoxicosis. Gharib H, et al.
Am Fam Physician 8:144-6, Nov 73
Thyrotoxicosis in pregnancy. Ayromloo J, et al.
Am J Obstet Gynecol 117:818-23, 15 Nov 73
Thyroid function tests in domesticated animals: free
thyroxine index. Kallfelz FA, et al.
Am J Vet Res 34:1449-51, Nov 73
Total plasma thyroxine concentrations in horses, pigs,
cattle, and sheep: anion exchange resin
chromatography and ceric-arsenite colorimetry.
Sutherland RL, et al. Am J Vet Res 34:1261-5, Oct 73
Thyroid abnormalities in renal failure. A study of 53
patients on chronic hemodialysis. Ramfrez G, et al.
Ann Intern Med 79:500-4, Oct 73
Rapid radioimmunoassay of triiodothyronine. Sekadde
CB, et al. Clin Chem 19:1016-21, Sep 73
Evaluation of the changes of in vitro thyroid function
tests during pregnancy (binding capacity of
triiodothyronine, dosage of total thyroxine, free
thyroxine and its computed T7-index). Splensens H, et
al. J Belg Radiol 56:217-22, May-Jun 73
Abnormalities of hypothalamo-hypophyseal-thyroid
axis in patients with Graves' ophthalmopathy. Chopra
IJ, et al. J Clin Endocrinol Metab 37:955-67, Dec 73
Serum thyrotropin and thyroid hormones in the course
of subacute thyroiditis. Ogihara T, et al.
J Clin Endocrinol Metab 37:602-6, Oct 73
Serum triiodothyronine, thyroxine and
thyroid-stimulating hormone in endemic goiter: a
comparison of goitrous and nongoitrous subjects in
New Guinea. Patel YC, et al.
J Clin Endocrinol Metab 37:783-9, Nov 73
Solid-phase triiodothyronine radioimmunoassay. Siegel
SJ, et al. J Clin Endocrinol Metab 37:526-32, Oct 73
Competitive ligand-binding assay for measurement of
sex hormone-binding globulin (SHBG). Tulchinsky D,
et al. J Clin Endocrinol Metab 37:873-81, Dec 73
Comparison of alterations in circulating thyroglobulin,
triiodothyronine and thyroxine in response to
exogenous (bovine) and endogenous (human)

- thyrotropin. Uller RP, et al.
J Clin Endocrinol Metab 37:741-5, Nov 73
- Increased serum thyroxine levels in euthyroid narcotic addicts. Webster JB, et al.
J Clin Endocrinol Metab 37:928-34, Dec 73
- Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. *J Clin Invest* 52:2783-92, Nov 73
- Plasma tri-iodothyronine concentration in the foetal and newborn lamb. Nathanielsz PW, et al.
J Endocrinol 58:683-4, Sep 73
- Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L.
JAMA 226:1083-8, 26 Nov 73
- Letter: Plasma-T3 assay in kwashiorkor. Van der Westhuyzen JM. *Lancet* 2:965, 27 Oct 73
- Changes in red cell carbonic anhydrase B and serum iodothyronines in hyperthyroid subjects following 131-I treatment. Stalder De Alonso, et al.
Medicina (B Aires) 33:394-7, Jul-Aug 73
- [Clinical significance of serum triiodothyronine] Zurcher H, et al.
Schweiz Med Wochenschr 103:1710-3, 1 Dec 73 (Eng. Abstr.) (Fre)
- [Assessment of thyroid function by means of serum thyroid hormone concentration and protein binding capacity (author's transl)] Kohler H, et al.
Ther Umsch 30:701-7, Oct 73 (Eng. Abstr.) (Ger)
- [Rapid radioimmunoassay for the measurement of triiodothyronine in serum without extraction (author's transl)] Hilger P, et al.
Z Klin Chem Klin Biochem 11:323-5, Aug 73 (Eng. Abstr.) (Ger)
- [Total and free serum thyroxine and triiodothyronine levels and the effect of estrogen in a family with thyroxine-binding globulin deficiency] Sakurada T, et al.
Folia Endocrinol Jap 49:1198-206, 20 Sep 73 (Eng. Abstr.) (Jap)
- [Significance of PBI determination in thyroid function test--interpretation of the test results] Hiranol N. *Jap J Clin Med* 31:1657-71, 1973 (Jap)
- [Thyroxine binding protein, free thyroxine and triiodothyronine--interpretation of the test results] Inada M. *Jap J Clin Med* 31:1692-9, 1973 (70 ref.) (Jap)

DIAGNOSTIC USE

- Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al.
Metabolism 23:1357-65, Nov 73
- [Decompensation of autonomous thyroid adenoma after long-term iodine intake (author's transl)] Mahlstedt J, et al.
Dtsch Med Wochenschr 98:1748-51, 21 Sep 73 (Eng. Abstr.) (Ger)
- [Toxic adenoma and thyroid diseases. Scintigraphic and clinical observations] Squadrito G, et al.
Minerva Med 64:2978-82, 4 Aug 73 (Ita)

METABOLISM

- Thyroid nodule autonomy: Its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Karlberg BE.
Acta Endocrinol (Kbh) 73:689-99, Aug 73
- The effect of feeding rapeseed meal on thyroid function and morphology in growing bulls. Iwarsson K, et al. *Acta Vet Scand* 14:810-29, 1973
- Thyroid hormone binding in dog plasma. Davis PJ, et al.
Endocrinology 93:1445-8, Dec 73
- Iodoaminoacids in normal and iodine-deficient rat thyroids: comparison between 125I and 127I distribution. Volpert EM.
Endocrinology 93:1241-50, Dec 73
- Limited capacity binding sites for L-triiodothyronine in rat liver nuclei. Localization to the chromatin and partial characterization of the L-triiodothyronine-chromatin complex. Surks MI, et al. *J Biol Chem* 248:7066-72, 25 Oct 73
- Considerations on preliminary results from

- triiodothyronine (T3) catabolism and distribution studies in man. Vignier R, et al.
J Nucl Biol Med 17:113-6, Jul-Sep 73
- Selecting the optimum oral contraceptive. Nelson JH. *J Reprod Med* 11:135-41, Oct 73
- The effect of fetal thyroidectomy on thyroid hormone metabolism in maternal and fetal sheep. Erenberg A, et al. *Pediatr Res* 7:870-7, Nov 73
- Delodination of 131-I-labeled thyroxine in the fetal rat. Burman KD, et al.
Proc Soc Exp Biol Med 143:1003-7, Sep 73
- [Clinical and pathophysiological aspects of triiodothyronine (author's transl)] Burger A.
Ther Umsch 30:698-700, Oct 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al.
Acta Endocrinol (Kbh) 73:672-80, Aug 73
- Effects of thyroid status on electrolyte distribution in rat tissues. Ismail-Beigi F, et al.
Am J Physiol 225:1172-7, Nov 73
- Neuronal and hormonal influences on the turnover of monoamine oxidase in salivary gland. Goridis C, et al.
Biochem Pharmacol 22:2501-10, 15 Oct 73
- On the possibility that the prereplicative increases in ornithine decarboxylase activity are related to DNA synthesis in liver. Gaza DJ, et al.
FEBS Lett 32:251-3, 1 Jun 73
- Changes in cathepsin C activity during spontaneous and induced metamorphoses of the bullfrog. Wang VB, et al. *Gen Comp Endocrinol* 21:381-9, Oct 73
- An in-vivo stimulatory effect of 3,3',5-tri-iodo-L-thyronine on polyphenol oxidase activity in an ascidian. Tborndyke MC.
J Endocrinol 58:679-80, Sep 73
- Simultaneous measurement of thyroidal trapping (99mTcO₄) and binding (131I-): clinical and experimental studies in man. Hays MT, et al.
J Nucl Med 14:785-92, Nov 73
- Erythropoiesis and hyperoxia. Fletcher JW, et al.
Proc Soc Exp Biol Med 144:569-74, Nov 73
- Effects of thyroid hormone on adenine nucleotide content of rat liver. Ismail-Beigi F, et al.
Proc Soc Exp Biol Med 144:471-4, Nov 73
- Alterations induced by thyroidal hormones in the response to temperature by T-1 kidney cells. Siegel E.
Proc Soc Exp Biol Med 144:455-9, Nov 73

SECRETION

- T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. AvRuskin TW, et al.
Pediatrics 52:649-52, Nov 73

STANDARDS

- Quality control in quantitative radioisotope procedures. Ravel R, et al.
Am J Med Technol 38:487-90, Dec 72

THERAPEUTIC USE

- Thyrotoxicosis in pregnancy. Ayromloo J, et al.
Am J Obstet Gynecol 117:818-23, 15 Nov 73
- Replacement therapy for induced hypothyroidism in dogs. Hightower D, et al.
J Am Vet Med Assoc 163:979-80, 15 Oct 73
- Diet and obesity. Garrow JS.
Proc R Soc Med 66:642-4, Jul 73
- In vitro thyroid function test: results during replacement therapy in hypothyroid Beagle dogs. Hightower D, et al.
Vet Med Small Anim Clin 68:1131-2, Oct 73
- [Clinical aspects and treatment of pubertal-adolescent dysplutalism] Egart FM, et al.
Klin Med (Mosk) 51:117-23, Aug 73 (Eng. Abstr.) (Rus)

THYROID

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

Investigations of the relationship between thyroid function and alpha-tocopherol concentration of serum and in some organs of the rat. Neradilová M, et al. *Int J Vitam Nutr Res* 43:283-90, 1973

ADMINISTRATION & DOSAGE

Single dose, "block-replace" drug therapy in hyperthyroidism. Wise PH, et al. *Br Med J* 4:143-5, 20 Oct 73

ADVERSE EFFECTS

[Letter: Cholestatic jaundice caused by carbimazole] Prost G, et al. *Nouv Presse Med* 2:2479, 20 Oct 73 (Fre)

PHARMACODYNAMICS

On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. *Acta Endocrinol (Kbh)* 74:296-306, Oct 73

THERAPEUTIC USE

Lymphoid tissue in the thyroid gland and thymus of patients with primary thyrotoxicosis. Beck JS, et al. *Br J Surg* 60:769-71, Oct 73
The surgical management of thyrotoxicosis. Pegg CA, et al. *Br J Surg* 60:765-9, Oct 73
Neonatal thyrotoxicosis. Robards GJ, et al. *Med J Aust* 2:432-4, 1 Sep 73
[Letter: Cholestatic jaundice caused by carbimazole] Prost G, et al. *Nouv Presse Med* 2:2479, 20 Oct 73 (Fre)

METHIMAZOLE

ADMINISTRATION & DOSAGE

[Dosage problems in initial thyreostatic therapy of diffuse hyperthyreosis with methylmercaptolimidazole] Morgner KD, et al. *Med Klin* 68:1038-41, 10 Aug 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Effect of thyroid hormone on cerebral glucose metabolism in the infant rat. Moore TJ, et al. *Am J Physiol* 225:925-9, Oct 73
Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al. *Biochim Biophys Acta* 313:320-8, 28 Jul 73
Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. Otake M, et al. *Proc Soc Exp Biol Med* 144:538-43, Nov 73
[Participation of the thyroid gland in the mechanism of action of certain dissociative poisons] Medvedeva GI, et al. *Patol Fiziol Eksp Ter* 17:47-52, May-Jun 73 (Eng. Abstr.) (Rus)
[Extratthyroidal effect of methylmercaptolimidazol. I. Effect of methylmercaptolimidazol on the activity of some enzymes of the liver and kidney in guinea pigs after administration of thyroxine] Mitev IP, et al. *Probl Endokrinol (Mosk)* 19:94-8, Sep-Oct 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Thyrotoxicosis in pregnancy. Ayromlloo J, et al. *Am J Obstet Gynecol* 117:818-23, 15 Nov 73
Myocardial infarction associated with thyrotoxicosis. Kotler MN, et al. *Arch Intern Med* 132:723-8, Nov 73
Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L. *JAMA* 226:1083-8, 26 Nov 73
[Dosage problems in initial thyreostatic therapy of

diffuse hyperthyreosis with methylmercaptolimidazole] Morgner KD, et al. *Med Klin* 68:1038-41, 10 Aug 73 (Eng. Abstr.) (Ger)
[Hyperthyroid thyroiditis and its relations to diabetes mellitus] Zabransky S. *Monatsschr Kinderheilkd* 121:405-7, Jul 73 (Ger)
[Blood coagulation in patients with toxic goiter] Pancbenko VM, et al. *Probl Endokrinol (Mosk)* 19:22-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

METHYLTHIOURACIL

PHARMACODYNAMICS

Ultimobranchial follicles and cysts in the rat thyroid during postnatal development. Christov K, et al. *Beitr Pathol* 149:47-59, May 73
Proliferative and neoplastic changes in the ovaries of hamsters treated with 131-iodine and methylthiouracil. Christov K, et al. *Neoplasma* 20:511-6, May 73
[Effect of hormones on water-electrolyte metabolism] Dedov II, et al. *Izv Akad Nauk SSSR [Biol]* 4:525-32, Jul-Aug 73 (Eng. Abstr.) (Rus)
[Mechanism of the effect of disordered thyroid function on posthemorrhagic erythropoiesis] Lunina NV. *Patol Fiziol Eksp Ter* 17:61-3, Jan-Feb 73 (Eng. Abstr.) (Rus)

PROPYLTHIOURACIL

An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. Deol MS. *J Oral Surg* 10:235-42, Sep 73

PHARMACODYNAMICS

Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al. *Biochim Biophys Acta* 313:320-8, 28 Jul 73
Effects of pituitary hormones, melatonin, and thyroidal inhibitors on radioliodide uptake by the thyroid glands of larval and adult tiger salamanders, *Ambystoma tigrinum* (Amphibia: Caudata). Norris DO, et al. *Gen Comp Endocrinol* 21:368-76, Oct 73
Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. Gourdon J, et al. *J Neurochem* 21:861-71, Oct 73
Simultaneous measurement of thyroidal trapping (^{99m}TcO₄) and binding (131I-): clinical and experimental studies in man. Hays MT, et al. *J Nucl Med* 14:785-92, Nov 73
Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. Otake M, et al. *Proc Soc Exp Biol Med* 144:538-43, Nov 73
[Effect of treatment by thyroxine and propylthiouracil on the rate of formation of norepinephrine in eight peripheral organs of the rat] Beley A, et al. *Arch Int Physiol Biochim* 81:287-98, May 73 (Fre)
[Clofibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al. *Rev Esp Fisiol* 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

Thyrotoxicosis in pregnancy. Ayromlloo J, et al. *Am J Obstet Gynecol* 117:818-23, 15 Nov 73
Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L. *JAMA* 226:1083-8, 26 Nov 73
T3 toxicosis in adolescence: presentation as recurrent

hyperthyroidism. AvRuskin TW, et al.
Pediatrics 52:649-52, Nov 73
 Wenckebach phenomenon in thyrotoxicosis with hypercalcemia. Kurnick JE, et al.
Rocky Mt Med J 70:46-7, Oct 73

THIOURACIL

ADMINISTRATION & DOSAGE

Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. 8. Effect of thiouracil on R. tetragona infections. Nadakal AM, et al. *Poult Sci* 52:1068-74, May 73

ADVERSE EFFECTS

[Cytophotometric and autoradiographic studies of the proliferation of hemopoietic bone-marrow cells in medicamentous induced panmyelopathy (author's transl)] Milkuz G, et al.
Verh Dtsch Ges Kreislaufforsch 56:583-7, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

In vitro demonstration of peroxidase activity in the fish kidney soluble supernatant and its physiological importance. Kumar D, et al.
Experientia 29:1076-8, 15 Sep 73
 Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. 8. Effect of thiouracil on R. tetragona infections. Nadakal AM, et al. *Poult Sci* 52:1068-74, May 73

THYROID ANTAGONISTS

ADMINISTRATION & DOSAGE

[Dosage problems in initial thyreostatic therapy of diffuse hyperthyreosis with methylmercaptoimidazole] Morgner KD, et al.
Med Klin 68:1038-41, 10 Aug 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Iatrogenic strumata (author's transl)] Keminger K. *Verh Dtsch Ges Kreislaufforsch* 56:373-6, 1972 (Eng. Abstr.) (Ger)
 [Pseudocarcinomatous lesions of thyroid gland after

treatment with antithyroid drugs (author's transl)] Schauer A, et al.
Verh Dtsch Ges Kreislaufforsch 56:369-73, 1972 (Eng. Abstr.) (Ger)

METABOLISM

[Iatrogenic strumata (author's transl)] Keminger K. *Verh Dtsch Ges Kreislaufforsch* 56:373-6, 1972 (Eng. Abstr.) (Ger)
 [Transfer of drugs into mother's milk] Nordho K. *Tidsskr Nor Laegeforen* 93:1402-5, 30 Jun 73 (14 ref.) (Nor)

PHARMACODYNAMICS

Thyroid iodine metabolism in vitro. II. Effect of lithium ion. Männistö PT. *Ann Med Exp Biol Fenn* 51:42-5, 1973
 The response of hagfish thyroid tissue to thyroid inhibitors and to mammalian thyroid-stimulating hormone. Kerkof PR, et al.
Gen Comp Endocrinol 21:231-40, Oct 73
 [Participation of the thyroid gland in the mechanism of action of certain dissociative poisons] Medvedeva GI, et al.
Patol Fiziol Eksp Ter 17:47-52, May-Jun 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Symposium on modern trends in the management of thyrotoxicosis. Opening address. Michie W.
Br J Surg 60:757-8, Oct 73
 Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)
 Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. *N Engl J Med* 289:1111-7, 22 Nov 73
 Hyperthyroidism in pregnancy: a study of 37 pregnancies in 34 patients. Chew PC, et al.
Singapore Med J 14:95-8, Jun 73
 [Drug therapy of hyperthyroidism (author's transl)] Baumann G.
Ther Umsch 30:734-9, Oct 73 (Eng. Abstr.) (Ger)
 [Induced hypothyroidism, an adjuvant treatment in cardiopathies] Popovici D.
Stud Cercet Endocrinol 24:447-50, 1973 (Rum)

THYROID

V. Related Topics

EXOPHTHALMOS

EEG and behavioral effects of natural, synthetic and biosynthetic cannabinoids. Willinsky MD, et al. *Psychopharmacologia* 31:365-74, 3 Aug 73

CHEMICALLY INDUCED

Studies on the mechanism of the akinetic effects of gamma-hydroxybutyric acid and 1, 4-butanediol. Menon MK, et al. *Arch Int Pharmacodyn Ther* 203:232-42, Jun 73

COMPLICATIONS

Cloverleaf skull syndrome. Watters EC, et al. *Am J Ophthalmol* 76:716-20, Nov 73
Baggy eyelids—a true hernia. Putterman AM, et al. *Ann Ophthalmol* 5:1029-32, Sep 73
[Management of keratoconjunctivitis sicca using bromhexine-containing eye drops and bromhexine capsules] Neubauer O. *Wien Med Wochenschr* 123:719-22, 1 Dec 73 (Ger)
[On the "Kerben-Ohr" (Inherited slit-like indentations of ear-lobes) in the Exomphalos-Macroglossia-Gigantism Syndrome, on auricular fistulae and on the presence of analogous findings in other syndromes and in normal individuals (author's transl)] Wiedemann HR. *Z Kinderheilkd* 115:95-110, 31 Aug 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Ultrasound in diagnostic medicine. A report from the radiation Study Section of the National Institutes of Health. Gregg EC, et al. *Radiology* 109:732-42, Dec 73
[Ultrasonic diagnosis of tumors of the orbit and of underlying diseases] Fridman FE, et al. *Oftalmol Zh* 27:495-8, 1972 (Eng. Abstr.) (Rus)

ETIOLOGY

Experience with meningiomas in the Transvaal African. Froman C, et al. *Afr J Med Sci* 4:289-92, Jul 73
Choroidal hematoma and proptosis following cataract surgery. Hornblass A, et al. *Ann Ophthalmol* 5:1245-8, Nov 73
Osteoma of the frontal bone. Khalifa MC, et al. *J Laryngol Otol* 87:965-77, Oct 73
The role of surgery and 131-I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al. *South Med J* 66:1014-6, Sep 73
[Pyomucocoele of the sphenoid sinus with thrombosis of the cavernous sinuses and its ocular complications] Briones M, et al. *Bull Soc Ophtalmol Fr* 72:1083-9, Nov 72 (Fre)
[Possible causes of postoperative malignant exophthalmos] Grishina RA. *Vrach Delo* 6:123-4, Jun 73 (Rus)

RADIOGRAPHY

The radiology of the bone changes in histiocytosis X. Ennis JT, et al. *Clin Radiol* 24:212-20, Apr 73
[Indications and contraindications of cerebral angiography in ophthalmic-neurologic diseases (author's transl)] Roos W. *Klin Monatsbl Augenheilkd* 162:766-71, Jun 73 (Eng. Abstr.) (Ger)

SURGERY

[The dynamics of cerebrospinal fluid pressure under anesthesia with artificial pulmonary ventilation] Gruzdev IuK. *Vopr Nelrokhir* 36:7-11, Sep-Oct 72 (Eng. Abstr.) (Rus)

IODIDES

Aspirin disease, L-histidine and the sequential vascular response test. Fisherman EW, et al. *Ann Allergy* 31:555-60, Nov 73
Identification of the iodine-sensitive tyrosines in porcine pepsin. Mains G, et al. *Biochem Biophys Res Commun* 54:275-82, 5 Sep 73
Quenching of fluorescence by oxygen. A probe for structural fluctuations in macromolecules. Lakowicz JR, et al. *Biochemistry* 12:4161-70, 9 Oct 73
Experimentally observed effects of carriers on the electrical properties of bilayer membranes—equilibrium domain. With a contribution on the molecular basis of ion selectivity. Szabo G, et al. *Membranes* 2:179-328, 1973 (164 ref.)

ADMINISTRATION & DOSAGE

Treatment of hyperthyroidism with sodium I 131. Carcinoma of the thyroid after 20 years. Kreps EM, et al. *JAMA* 226:774-5, 12 Nov 73

DIAGNOSTIC USE

Modified polycystography in the evaluation of bladder carcinoma. Singh SM, et al. *J Urol* 110:524-5, Nov 73

METABOLISM

Studies on the mechanism of iodination supported by thyroidal NADPH-cytochrome c reductase. Hati RN, et al. *Acta Endocrinol (Kbh)* 74:271-82, Oct 73
On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. *Acta Endocrinol (Kbh)* 74:296-306, Oct 73
Thyroid iodine metabolism in vitro. II. Effect of lithium ion. Männistö PT. *Ann Med Exp Biol Fenn* 51:42-5, 1973
Role of sodium ion in active transport of iodide by cultured thyroid cells. Bagchi N, et al. *Biochim Biophys Acta* 318:235-51, 22 Aug 73
In vitro demonstration of peroxidase activity in the fish kidney soluble supernatant and its physiological importance. Kumar D, et al. *Experientia* 29:1076-8, 15 Sep 73
Iodide oxidation by a marine bacterium. Gozlan RS, et al. *J Appl Bacteriol* 36:407-17, Sep 73
Thyroid function in the foetal lamb during the last third of gestation. Nathanielsz PW, et al. *J Endocrinol* 58:535-46, Sep 73
The distribution of radioliodide in the genital tract of the ewe. Hovell GJ, et al. *J Reprod Fertil* 34:535-7, Sep 73
[Experimental studies on antelmintics. 20. Uptake and distribution of 4-iodothymol in *Ascaris lumbricoides* var suis] Tanizawa H. *Folia Pharmacol Jap* 69:397-402, May 73 (Eng. Abstr.) (Jap)

PHARMACODYNAMICS

Ascorbic acid homeostasis in the central nervous system. Spector R, et al. *Am J Physiol* 225:757-63, Oct 73
Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al. *Biochim Biophys Acta* 313:320-8, 28 Jul 73
On the interaction of para-hydroxybenzoate hydroxylase from *Pseudomonas fluorescens* with halogen ions. Steennis PJ, et al. *FEBS Lett* 36:177-80, 15 Oct 73
Purification and characterization of and (3H)ouabain binding to the transport adenosine triphosphatase from outer medulla of canine kidney. Lane LK, et al. *J Biol Chem* 248:7197-200, 25 Oct 73
Disruption of herpes virus nucleocapsids using lithium iodide, guanidine and mercaptoethanol. McCombs RM, et al. *J Gen Virol* 20:395-400, Sep 73

THERAPEUTIC USE

- Pediatric antimicrobial therapy. V. Marks MI, et al. *Can Med Assoc J* 109:395-6 contd, 1 Sep 73
- Treatment of hyperthyroidism with sodium I 131. Carcinoma of the thyroid after 20 years. Kreps EM, et al. *JAMA* 228:774-5, 12 Nov 73
- Thyrototoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)

IODINE

- Identification of the iodine-sensitive tyrosines in porcine pepsin. Mains G, et al.
- Biochem Biophys Res Commun 54:275-82, 5 Sep 73
- Effects of protein-modifying reagents on an isoenzyme of potato apyrase. Valenzuela MA, et al.
- Biochem J 133:755-63, Aug 73
- Binding of nonpolar molecules by crystalline concanavalin A. Hardman KD, et al.
- Biochemistry 12:4442-8, 23 Oct 73
- Isoelectric focusing of bovine serum albumin. Influence of binding of carrier ampholytes. Wallevik K. *Biochim Biophys Acta* 322:75-87, 21 Sep 73
- Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. *Biochimie* 55:263-7, 1973
- Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radiolabeled thyrotropin to reassociated cells. Fayet G, et al.
- FEBS Lett 32:299-302, 1 Jun 73
- Potential organ- or tumor-imaging agents. 13. 19-Radiolabeled steroids. Counsell RE, et al.
- J Med Chem 16:945-7, Aug 73
- Potential organ- or tumor-imaging agents. 14. Myocardial scanning agents. Counsell RE, et al.
- J Med Chem 16:1038-40, Sep 73
- Topography of the Escherichia coli 30 S ribosome revealed by the modification of ribosomal proteins. Miller RV, et al. *J Mol Biol* 78:539-50, 15 Aug 73
- The changing age incidence of iodine deficiency in Tasmania. Connolly RJ. *Med J Aust* 2:171-4, 28 Jul 73
- Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on 131-I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al.
- Proc Soc Exp Biol Med 143:1062-6, Sep 73
- Nutrition and brain function. Rajalakshmi R, et al. *World Rev Nutr Diet* 15:35-85, 1972 (192 ref.)

ADMINISTRATION & DOSAGE

- Iodine concentration in nonthyroid tissues of cows. Miller JK, et al. *J Dairy Sci* 56:1344-6, Oct 73

ADVERSE EFFECTS

- Iodine and lithium-induced hypothyroidism. Documentation of synergism. Shopsin B, et al. *Am J Med* 55:895-9, Nov 73
- Pathogenesis of iodine-induced thyrotoxicosis: studies in northern Tasmania. Vidor GI, et al.
- J Clin Endocrinol Metab 37:901-9, Dec 73
- The changing age incidence of iodine deficiency in Tasmania. Connolly RJ. *Med J Aust* 2:171-4, 28 Jul 73

ANALYSIS

- Rapeseed meal as a protein supplement for dairy cows. I. The influence on certain blood and milk parameters. Iwarsson K. *Acta Vet Scand* 14:570-94, 1973
- Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. *Biochimie* 55:263-7, 1973
- Iodine concentration in nonthyroid tissues of cows. Miller JK, et al. *J Dairy Sci* 56:1344-6, Oct 73
- [Iodine distribution (125I and 127I) of a thyroid tissue in a patient with Hashimoto's disease (author's transl)] Eiling N.
- Ann Endocrinol (Paris) 34:295-302, May-Jun 73 (Eng. Abstr.) (Fr)
- [Evaluation of iodine contents of contrast media by radiophysical methods (author's transl)] Lüthy H. *Radiol Clin Biol* 42:418-21, 1973 (Eng. Abstr.) (Ger)
- [Hygiene problems in the supply of drinking water from deep wells. Weber G, et al. *Zentralbl Bakt* 157:89-93, Apr 73 (Eng. Abstr.) (Ger)]
- [Interactions of iodine and bromine with some

- preparations with nitrogen content] Gulko RN, et al. *Farmatsia* 22:29-32, Sep-Oct 73 (Rus)
- [The epidemic goiter of Las Hurdes. II. Parameters that indicate the existence of an iodine deficiency] Escobar del Rey F, et al.
- Rev Clin Esp 130:7-18, 15 Jun 73 (Eng. Abstr.) (Spa)

BLOOD

- Premature ovarian failure. Starup J, et al. *Acta Obstet Gynecol Scand* 52:259-68, 1973
- Total plasma thyroxine concentrations in horses, pigs, cattle, and sheep: anion exchange resin chromatography and ceric-arsenite colorimetry. Sutherland RL, et al. *Am J Vet Res* 34:1261-5, Oct 73
- Hypoinsulinemia of hypothyroidism. Shah JH, et al. *Arch Intern Med* 132:657-61, Nov 73
- The surgical management of thyrotoxicosis. Pegg CA, et al. *Br J Surg* 60:765-9, Oct 73
- Autoantibodies directed against heart antigens and endocrine reactivity in patients with recent myocardial infarction. Kuch J.
- Cardiovasc Res 7:649-54, Sep 73
- Thyroid hormone secretion rates in growing Jersey cattle. Anderson RR, et al.
- J Dairy Sci 56:1159-63, Sep 73
- Iodine concentration in nonthyroid tissues of cows. Miller JK, et al. *J Dairy Sci* 56:1344-6, Oct 73
- Transient bactericidal defect of peripheral blood phagocytes from children with acute lymphoblastic leukemia receiving craniospinal irradiation. Baehner RL, et al. *N Engl J Med* 289:1209-13, 6 Dec 73
- Achilles reflex time and sympathetic tone. Furberg C, et al. *Ups J Med Sci* 78:89-92, 1973
- [Dosage problems in initial thyrostatic therapy of diffuse hyperthyreosis with methimercaptoimidazole] Morgner KD, et al.
- Med Klin 68:1038-41, 10 Aug 73 (Eng. Abstr.) (Ger)
- [Significance of PBI determination in thyroid function test—interpretation of the test results] Hiranol N. *Jap J Clin Med* 31:1657-71, 1973 (Jap)
- [Clofibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al.
- Rev Esp Fisiol 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

- [New views on the examination technic in lumbosacral myelography using the water-soluble contrast medium Dimer-X] Rittmeyer K, et al.
- Roentgenblaetter 26:456-64, Oct 73 (Eng. Abstr.) (Ger)
- [Adrenal gland scanning with 131I-19-iodocholesterol (author's transl)] Tragl KH, et al.
- Wien Klin Wochenschr 85:806-9, 7 Dec 73 (Eng. Abstr.) (Ger)

METABOLISM

- The effect of feeding rapeseed meal on thyroid function and morphology in growing bulls. Iwarsson K, et al. *Acta Vet Scand* 14:610-29, 1973
- Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. Iwarsson K, et al. *Acta Vet Scand* 14:595-609, 1973
- Possible role of cyanide and thiocyanate in the etiology of endemic cretinism. Ermans AM, et al.
- Adv Exp Med Biol 30:455-88, 1972 (89 ref.)
- Cretinism and the fetal-maternal relationship. Stanbury JB.
- Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
- Thyroid iodine metabolism in vitro. I. Experimental technique. Männistö PT.
- Ann Med Exp Biol Fenn 51:34-41, 1973
- Thyroid iodine metabolism in vitro. II. Effect of lithium ion. Männistö PT. *Ann Med Exp Biol Fenn* 51:42-5, 1973
- A preliminary study on the action of cassava on thyroid iodine metabolism in rats. Van der Velden M, et al.
- Br J Nutr 30:511-7, Nov 73
- Affinity labeling of E. coli ribosomes with a streptomycin-analogue. Pongs O, et al.
- FEBS Lett 37:47-50, 15 Nov 73
- Gonadal hormones and thyroid function in the spotted muntia, *Lonchura punctulata*. Chandola A, et al.
- Gen Comp Endocrinol 21:305-13, Oct 73
- Accumulation of radiolabeled iodine in thyroids of chicks of the obese strain with hereditary thyroiditis and of their parental strain. Newcomer WS.
- Gen Comp Endocrinol 21:322-30, Oct 73
- Effects of pituitary hormones, melatonin, and thyroidal

- inhibitors on radioiodide uptake by the thyroid glands of larval and adult tiger salamanders, *Amphystoma tigrinum* (Amphibia: Caudata). Norris DO, et al. *Gen Comp Endocrinol* 21:368-76, Oct 73
- Potential organ- or tumor-imaging agents. 14. Myocardial scanning agents. Counsell RE, et al. *J Med Chem* 16:1038-40, Sep 73
- Simultaneous measurement of thyroidal trapping ($^{99m}\text{TcO}_4^-$) and hindling (^{131}I): clinical and experimental studies in man. Hays MT, et al. *J Nucl Med* 14:785-92, Nov 73
- Measurement of ^{127}I concentration in thyroid tissue by x-ray fluorescence. LeBlanc AD, et al. *J Nucl Med* 14:816-9, Nov 73
- An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. Deol MS. *J Oral Surg* 10:235-42, Sep 73
- Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L. *JAMA* 226:1083-8, 26 Nov 73
- Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al. *Metabolism* 23:1357-65, Nov 73
- Radioiodine uptake values in euthyroid, non-goitrous, prepubertal children in Greece. Anoussakis C, et al. *Nucl Med (Stuttg)* 12:14-25, 31 May 73
- Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on ^{131}I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al. *Proc Soc Exp Biol Med* 143:1062-6, Sep 73
- Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Fregly MJ. *Toxicol Appl Pharmacol* 25:560-8, Aug 73
- [Resorption and distribution of aerosols of ^{131}I -albumin and ^{131}I in rat respiratory tract] Miksche L, et al. *Arch Int Pharmacodyn Ther* 204:132-42, Jul 73 (Ger)
- [Golter prevention] Scriha PC. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)
- [Intrathyroid iodine metabolism and biological half-life of T_4 in children] Kirsch W, et al. *Monatsschr Kinderheilkd* 121:408-9, Jul 73 (Ger)
- [TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al. *Nucl Med (Stuttg)* 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)
- [Prevention of iodine insufficiency in animals] Bagdasarjan AG, et al. *Veterinariia* 9:35-7, Sep 72 (Rus)
- [Goitrogenic activity of turnip: experimental study in rats (author's transl)] Muñoz-Rodríguez M, et al. *Rev Esp Fisiol* 29:21-6, Mar 73 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

- Effect of electron donors and acceptors on alcohol dehydrogenase activity during the growth of *Escherichia coli*. Raunio R, et al. *Acta Chem Scand* 27:990-4, 1973
- Glucagon structure and function. II. Increased activity of iodoglucagon. Bromer WW, et al. *Biochem Biophys Res Commun* 53:134-9, 2 Jul 73
- Effects of iodate on the blood-vitreous barrier. Davson H. *Exp Eye Res* 18:373-5, 24 Aug 73
- The survival of infectious bronchitis (IB) virus in an iodophor disinfectant and the influence of certain components. Jordan FT, et al. *J Appl Bacteriol* 36:335-41, Jun 73
- Chemical and enzymatic modification of proteins in the 30 S ribosome of *Escherichia coli*. Miller RV, et al. *J Mol Biol* 78:527-38, 15 Aug 73
- Iodination of estrogen receptors in rat uterine eosinophils. Tchernitchin A, et al. *J Steroid Biochem* 4:401-6, Jul 73
- Cleavage of poliovirus-specific polypeptide aggregates. Korant BD. *J Virol* 12:556-63, Sep 73
- Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on ^{131}I distribution among iodoamino acids in iodine-deficient rat thyroids. Onaya T, et al. *Proc Soc Exp Biol Med* 143:1062-6, Sep 73
- [Study of the bactericidal activity of an iodinated polyvinylpyrrolidone] German A. *Agressologie* 14:39-47, 1973 (Eng. Abstr.) (Fre)
- [Investigations into the action of skin disinfectants on

- bacterial spores (author's transl)] Adam W, et al. *Dtsch Med Wochenschr* 98:2003-4, Oct 73 (Eng. Abstr.) (Ger)
- [Effect of iodine compounds on the accumulation of ^{131}I in the thyroid gland and on the level of thyrotropin in blood plasma] Rachev R, et al. *Probl Endokrinol (Mosk)* 19:99-105, Sep-Oct 73 (Rus)

THERAPEUTIC USE

- Thyrotoxicosis in pregnancy. Ayromloo J, et al. *Am J Obstet Gynecol* 117:818-23, 15 Nov 73
- Reflections on the Lugol treatment of Graves' disease. Kloes C. *Bull Soc Sci Med Grand Duche Luxemb* 110:33-42, Jun 73
- [Golter prevention] Scriha PC. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)
- [Experience with the treatment of infectious nonspecific polyarthritis with Krasnodar iodine-bromine baths] Lysenko VV. *Vopr Kurortol Fizioter Lech Fiz Kult* 38:277-8, May-Jun 73 (Rus)
- [Characteristics of iodine electrophoresis in an ultrasonic field] Tarasenko VD, et al. *Vopr Kurortol Fizioter Lech Fiz Kult* 37:432-4, Sep-Oct 72 (Rus)

URINE

- Automated measurement of urinary iodine. Garry PJ, et al. *Clin Chem* 19:950-3, Sep 73
- Iodine concentration in nonthyroid tissues of cows. Miller JK, et al. *J Dairy Sci* 56:1344-6, Oct 73
- Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. Wartofsky L. *JAMA* 226:1083-8, 26 Nov 73
- [The epidemic golter of Las Hurdes. II. Parameters that indicate the existence of an iodine deficiency] Escobar del Rey F, et al. *Rev Clin Esp* 130:7-18, 15 Jun 73 (Eng. Abstr.) (Spa)

IODOPROTEINS

- Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. *Biochimie* 55:263-7, 1973

ANALYSIS

- Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Pommier J, et al. *Biochimie* 55:263-7, 1973
- Ultracentrifugal and immunological comparisons of succinylated human thyroglobulin and 27 S iodoprotein. Smith DJ, et al. *Immunol Commun* 2:371-82, 1973

BLOOD

- [Toxic adenoma and thyroid diseases. Scintigraphic and clinical observations] Squadrito G, et al. *Minerva Med* 64:2978-82, 4 Aug 73 (Ita)

LONG-ACTING THYROID STIMULATOR

- Neutralization of human thyrotropin by antisera to subunits of glycoprotein hormones. Nisula BC, et al. *J Clin Endocrinol Metab* 37:664-9, Nov 73
- Neutralizing and non-neutralizing antihodies to hovine thyroid-stimulating hormone and its subunits. Beall GN, et al. *J Clin Invest* 52:2979-85, Dec 73
- Rosette inhibition test for the demonstration of thymus-dependent lymphocyte sensitization in Grave's disease and Hashimoto's thyroiditis. Farid NR, et al. *N Engl J Med* 289:1111-7, 22 Nov 73
- The role of surgery and ^{131}I therapy for hyperthyroidism in the etiology of thyroid carcinoma. Ashkar FS, et al. *South Med J* 66:1014-6, Sep 73

BIOSYNTHESIS

- Demonstration of the production of the long acting thyroid stimulator (LATS) hyperperipheral lymphocytes cultured in vitro. Wall JR, et al. *Clin Exp Immunol* 14:555-61, Aug 73

BLOOD

- Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. *J Clin Endocrinol Metab* 37:955-67, Dec 73
- Pathogenesis of iodine-induced thyrotoxicosis: studies in northern Tasmania. Vidor GI, et al. *J Clin Endocrinol Metab* 37:901-9, Dec 73
- Graves' ophthalmopathy following external neck irradiation for nonthyroidal neoplastic disease. Wasnich RD, et al.
- J Clin Endocrinol Metab* 37:703-13, Nov 73
- Neonatal thyrotoxicosis. Robards GJ, et al. *Med J Aust* 2:432-4, 1 Sep 73

ISOLATION & PURIFICATION

- Studies on the binding activity for the long-acting thyroid stimulator. Dirmlikis S, et al. *J Endocrinol* 58:577-90, Sep 73

METABOLISM

- Studies on the binding activity for the long-acting thyroid stimulator. Dirmlikis S, et al. *J Endocrinol* 58:577-90, Sep 73

PHARMACODYNAMICS

- Effects of long-acting thyroid stimulator on the reorganization into follicles of isolated thyroid cells and on the binding of radioiodinated thyrotropin to reassociated cells. Fayet G, et al. *FEBS Lett* 32:299-302, 1 Jun 73
- [Effects of guanyl nucleotide on adenyl cyclase activity of human thyroid gland] Sato S, et al. *Folia Endocrinol Jap* 49:1207-14, 20 Sep 73 (Eng. Abstr.) (Jap)

PROTEIN-BOUND IODINE TEST

- Studies on thyroid function in the mouse: interstrain differences in thyroxine secretion rates and organ content of thyroxine. England P, et al. *Acta Endocrinol (Kbh)* 73:681-8, Aug 73
- Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radioiodine therapy. Gordin A. *Acta Endocrinol (Kbh)* 74:283-95, Oct 73
- Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Karlberg BE. *Acta Endocrinol (Kbh)* 73:689-99, Aug 73
- On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. *Acta Endocrinol (Kbh)* 74:296-306, Oct 73
- Endocrine studies on sclerosomiasis and malnutrition in children. Aboul-Dahab YK, et al. *Acta Hepatogastroenterol (Stuttg)* 20:102-15, Mar-Apr 73
- Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radioiodine treatment for hyperthyroidism. Gordin A, et al. *Acta Med Scand* 194:335-40, Oct 73
- Diagnostic value of serum thyroxine and free thyroxine index. Liewendahl K, et al. *Acta Med Scand* 194:341-8, Oct 73
- The permeability of the blood-brain barrier to ⁵¹Cr-EDTA in rabbits with experimental allergic encephalomyelitis. Amtorp O, et al. *Acta Neurol Scand* 49:327-30, 1973
- Rapeseed meal as a protein supplement for dairy cows. I. The influence on certain blood and milk parameters. Iwarsson K. *Acta Vet Scand* 14:570-94, 1973
- The effect of feeding rapeseed meal on thyroid function and morphology in growing bulls. Iwarsson K, et al. *Acta Vet Scand* 14:610-29, 1973
- Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. Iwarsson K, et al. *Acta Vet Scand* 14:595-609, 1973
- Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates. Schenken JR, et al. *Am J Clin Pathol* 60:499-501, Oct 73
- A preliminary study on the action of cassava on thyroid iodine metabolism in rats. Van der Velden M, et al. *Br J Nutr* 30:511-7, Nov 73

- Letter: Effect of thyrotrophin-releasing hormone on the serum cholesterol. Vis-Melsen MJ van der, et al. *Br Med J* 4:419, 17 Nov 73
- Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some laboratory factors affecting assay results. Seth J. *Clin Chim Acta* 46:431-41, 27 Jul 73
- Clinical note. Bioelectric brain development in hypothyroidism. A quantitative analysis with EEG power spectra. Lenard HG, et al. *Electroencephalogr Clin Neurophysiol* 35:545-9, Nov 73
- Gonadal hormones and thyroid function in the spotted muntia, *Lonchura punctulata*. Chandola A, et al. *Gen Comp Endocrinol* 21:305-13, Oct 73
- Accumulation of radiolodine in thyroids of chicks of the obese strain with hereditary thyroiditis and of their parental strain. Newcomer WS. *Gen Comp Endocrinol* 21:322-30, Oct 73
- Serum thyrotrophin and thyroid hormones in the course of subacute thyroiditis. Ogihara T, et al. *J Clin Endocrinol Metab* 37:602-6, Oct 73
- Influence of sex phase of the menstrual cycle on thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH). Sanchez-Franco F, et al. *J Clin Endocrinol Metab* 37:736-40, Nov 73
- Considerations on preliminary results from triiodothyronine (T3) catahollism and distribution studies in man. Vigneri R, et al. *J Nucl Biol Med* 17:113-6, Jul-Sep 73
- Radiolodine uptake values in euthyroid, non-goitrous, prepubertal children in Greece. Anoussakis C, et al. *Nucl Med (Stuttg)* 12:14-25, 31 May 73
- A comparison of the diagnostic value of several tests of thyroid function. Koutras DA, et al. *Nucl Med (Stuttg)* 12:107-19, 31 Aug 73
- T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. Avruskin TW, et al. *Pediatrics* 52:649-52, Nov 73
- Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al. *Proc Soc Exp Biol Med* 143:948-53, Sep 73
- I-131 urinary excretion studies. Invalidity in thyroid carcinoma. Verdon TA Jr, et al. *Rocky Mt Med J* 70:47-9, Aug 73
- Evaluation of Achilles reflex time as a test of thyroid function. Gupta SP, et al. *South Med J* 66:754-8, Jul 73
- [Senile macular degeneration and disorders of lipid metabolism] Scouras J, et al. *Ophthalmologica* 166:450-9, 1973 (Fre)
- [Clinical significance of serum triiodothyronine] Zurcher H, et al. *Schweiz Med Wochenschr* 103:1710-3, 1 Dec 73 (Eng. Abstr.) (Fre)
- [Evaluation of kinetics in the study of radiolodine metabolism] Gehring D, et al. *Dtsch Med Wochenschr* 98:1676-9, 7 Sep 73 (Ger)
- [Hypothyroidism after fractionated radiolodine treatment (author's transl)] Reinwein D, et al. *Dtsch Med Wochenschr* 98:1789-95, 28 Sep 73 (Eng. Abstr.) (Ger)
- [Dosage problems in initial thyreostatic therapy of diffuse hyperthyreosis with methylmercaptimidazole] Morgner KD, et al. *Med Klin* 68:1038-41, 10 Aug 73 (Eng. Abstr.) (Ger)
- [TSH stimulation of the thyroid gland. Increase of hormone level and radio-iodine uptake] Heinze HG, et al. *Nucl Med (Stuttg)* 12:1-13, 31 May 73 (Eng. Abstr.) (Ger)
- [Comparative studies on the accuracy of in-vitro tests for thyroid diagnosis] Schmidt HA, et al. *Nucl Med (Stuttg)* 12:91-6, 31 Aug 73 (Eng. Abstr.) (Ger)
- [Assessment of thyroid function by means of serum thyroid hormone concentration and protein binding capacity (author's transl)] Kohler H, et al. *Ther Umsch* 30:701-7, Oct 73 (Eng. Abstr.) (Ger)
- [Data on the diagnosis of thyroid adenomas] Fényes G. *Orv Hetil* 49:2966-7, 9 Dec 73 (Hun)
- [Significance of PBI determination in thyroid function test—interpretation of the test results] Hirano N. *Jap J Clin Med* 31:1657-71, 1973 (Jap)
- [Triosorb, tetrasorb and ETR—interpretation of the test results] Iino S. *Jap J Clin Med* 31:1672-91, 1973 (92 ref.) (Jap)
- [Indices of the functional state of the thyroid gland in Itsenko-Cushing's disease] Shtegeman NA, et al. *Sov Med* 35:79-82, Jun 72 (Eng. Abstr.) (Rus)
- [Relationship between liver disorders and thyroid

- gland function in patients with diabetes mellitus] Shevchenko IB, et al.
 Vrach Delo 6:64-6, Jun 73 (Eng. Abstr.) (Rus)
 [Clofibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al.
 Rev Esp Fisiol 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

STANDARDS

- [Triosorb, tetrasorb and ETR--interpretation of the test results] Iino S.
 Jap J Clin Med 31:1672-91, 1973 (92 ref.) (Jap)

THYROXINE-BINDING PROTEIN

- Polymorphism of Rhesus monkey serum prealbumin. Purification and partial structure. Van Jaarsveld P, et al. J Biol Chem 248:7898-903, 25 Nov 73
 Considerations on preliminary results from triiodothyronine (T3) catabolism and distribution studies in man. Vigneri R, et al.
 J Nucl Biol Med 17:113-6, Jul-Sep 73
 A single method for measuring total thyroxine and free thyroxine index in serum. Abreau C, et al.
 J Nucl Med 14:740-6, Oct 73
 [Total and free serum thyroxine and triiodothyronine levels and the effect of estrogen in a family with thyroxine-binding globulin deficiency] Sakurada T, et al.
 Folia Endocrinol Jap 49:1198-206, 20 Sep 73 (Eng. Abstr.) (Jap)
 [Triosorb, tetrasorb and ETR--interpretation of the test results] Iino S.
 Jap J Clin Med 31:1672-91, 1973 (92 ref.) (Jap)
 [Clofibrate effect on thyroid function (author's transl)] Muñoz-Rodríguez M, et al.
 Rev Esp Fisiol 29:17-20, Mar 73 (Eng. Abstr.) (Spa)

ANALYSIS

- Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. Ramírez G, et al. Ann Intern Med 79:500-4, Oct 73
 Saturation in the competitive protein-binding assay of serum thyroxine. Cook DB, et al.
 Clin Chim Acta 47:183-9, 30 Aug 73
 Plasma thyrotropin levels in severe infantile malnutrition. Godard C, et al. Horm Res 4:43-52, 1973
 Increased serum thyroxine levels in euthyroid narcotic addicts. Webster JB, et al.
 J Clin Endocrinol Metab 37:928-34, Dec 73
 T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. Avruskin TW, et al.
 Pediatrics 52:649-52, Nov 73
 [Determination of the effective thyroxin ratio (ETR) (author's transl)] Rudorff KH, et al.
 Z Klin Chem Klin Biochem 11:259-62, Jun 73 (Ger)
 [Thyroxine binding protein, free thyroxine and triiodothyronine--interpretation of the test results] Inada M. Jap J Clin Med 31:1692-9, 1973 (70 ref.) (Jap)

PHYSIOLOGY

- T3 thyrotoxicosis. Gharib H, et al.
 Am Fam Physician 8:144-6, Nov 73

ADRENAL

1. Physical and Functional Aspects

ADRENAL GLANDS

- Therapeutic effects of melengestrol acetate, cyclophosphamide and palmitoyl cytarabine in established experimental allergic encephalomyelitis of rats. Elliott GA, et al.
Arch Int Pharmacodyn Ther 204:62-76, Jul 73
- Influence of nicotine on experimental atherosclerosis and its determinants. Fisher ER, et al.
Arch Pathol 96:298-304, Nov 73
- Occurrence and biosynthesis of adenosine 3',5'-cyclic monophosphate in isolated *Avena* etioplasts. Welburn AR, et al.
Biochim Biophys Acta 320:363-71, 14 Sep 73
- Potential organ- or tumor-imaging agents. 13. 19-Radiolabeled sterols. Counsell RE, et al.
J Med Chem 16:945-7, Aug 73
- Constitutional hirsutism: endocrinopathy or genetic curse. Greenblatt RB, et al.
J Reprod Med 11:96-8, Sep 73
- [Adrenal gland scanning with ¹³¹I-19-iodocholesterol (author's transl)] Tragi KH, et al.
Wien Klin Wochenschr 85:806-9, 7 Dec 73 (Eng. Abstr.) (Ger)

ABNORMALITIES

- Unconjugated estrogens in the perinatal period. Kenny FM, et al. *Pediatr Res* 7:826-31, Oct 73
- [A case of non-hypertensive chronic renal insufficiency of malformative origin (abdominal aortic hypoplasia, right renal and adrenal agenesis, left renal hypoplasia)] Tatò L, et al.
Minerva Pediatr 25:1219-21, Aug 73 (Ita)

ANALYSIS

- Observations on the adrenal glands of normal swine and swine affected with arthritis. Benson RO, et al.
Am J Vet Res 34:1247-51, Oct 73
- Mass fragmentographic analysis of steroids, catecholamines, and amino acids in biological materials. Maume BF, et al.
Anal Chem 46:1073-82, Jun 73
- Biochemical studies of the chromaffin granule. 3. Redistribution of lipid phosphate, dopamine-beta-hydroxylase and chromogranin A after freezing and thawing of the isolated granule membranes. Helle KB.
Biochim Biophys Acta 318:167-80, 22 Aug 73
- Effect of perinatal administration of sex hormones on lipid metabolism in adult rats. Hájek T, et al.
Endocrinol Exp (Bratisl) 7:221-6, Sep 73
- Effect of neonatal 6-hydroxydopamine treatment on the blood pressure response to noradrenaline and tyramine in rats. Provoost AP, et al.
Eur J Pharmacol 23:297-301, Sep 73
- Aspects of adrenal function in neonatally estrogenized male mice. Simmons JE, et al.
J Exp Zool 188:123-6, Nov 73
- Adrenal lipids in pregnancy. Sharma DP, et al.
J Reprod Fertil 35:195-8, Oct 73
- Participation of the sympathetic nervous system in spontaneously hypertensive rats. Mori K.
Jap Circ J 37:609-18, Jun 73
- Electron microscopic studies on various types of inclusions found in autopsy cases. II. Spironolactone inclusion body in autopsy cases and its experimental studies on rhesus monkey. Okano K, et al.
Med J Osaka Univ 23:111-20, Dec 72

- Effects of chloroquine on the adrenocortical function. I. Concentration of chloroquine and morphological changes in the suprarenal gland of rats on long-term administration of chloroquine. Grundmann M, et al.
Z Rheumaforsch 32:306-12, Jul-Aug 73
- [Cyclic nucleotide-dependent protein kinases--the enzymological aspects and roles in the biological system (author's transl)] Miyamoto E.
Protein Nucleic Acid Enzyme (Tokyo) 18:321-32, May 73 (130 ref.) (Jap)
- [The effect of the working environment of the coke processing chemical plant HIL on the level of ascorbic acid in blood and tissues of experimental animals] Duńska E, et al.
Czas Stomatol 26:1141-4, 1973 (Eng. Abstr.) (Pol)

ANATOMY & HISTOLOGY

- Observations on the adrenal glands of normal swine and swine affected with arthritis. Benson RO, et al.
Am J Vet Res 34:1247-51, Oct 73
- Canine reproduction: reproductive organs and related structures of the nonparous, parous, and postpartum bitch. Sokolowski JH, et al.
Am J Vet Res 34:1001-13, Aug 73
- Effects of isolation and grouping on guinea pigs. Hull EM, et al. *Behav Biol* 9:493-7, Oct 73
- Maternal influence on the response of wild and domestic Norway rats to a novel environment. Price EO, et al. *Dev Psychobiol* 6:203-8, May 73
- Azure B-RNA changes in the adrenal and cerebral cortex of rats exposed to intense noise. Anthony A.
Fed Proc 32:2093-7, Nov 73
- The maintenance of pregnancy, and parturition, in guinea-pigs hypophysectomized within 4 days of mating. Illingworth DV, et al.
J Endocrinol 59:163-9, Oct 73
- Changes in concentration of prolactin and adrenal corticosteroids in rat plasma during pregnancy and lactation. Simpson AA, et al.
J Endocrinol 58:675-6, Sep 73
- Deficits in learning tasks following chronic overcrowding in rats. Goeckner DJ, et al.
J Pers Soc Psychol 28:256-61, Nov 73
- Grouping and ovulation in *Microtus pennsylvanicus*. Pasley JN, et al. *J Reprod Fertil* 34:527-30, Sep 73
- The effect of Ketalar on the adrenal gland of young White Leghorn cockerels. Chiasson RB, et al.
Poult Sci 52:1014-8, May 73
- Effects of chloroquine on the adrenocortical function. I. Concentration of chloroquine and morphological changes in the suprarenal gland of rats on long-term administration of chloroquine. Grundmann M, et al.
Z Rheumaforsch 32:306-12, Jul-Aug 73

BLOOD SUPPLY

- Relationship between organ weight and blood flow in rats adapted to simulated high altitude. Tucker A, et al. *Aerosp Med* 44:1036-9, Sep 73
- The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al.
Can J Physiol Pharmacol 51:313-8, May 73
- Experimentally influenced microcirculatory bed of the adrenal gland. Dollshny NV.
Folia Morphol (Praha) 21:186-7, 1973
- [Macroscopic study of adrenal gland innervation and blood supply in cattle] Patea E.
Anat Anz 134:120-6, 1973 (Fre)

- [Acute fatal incident following anticoagulant therapy]
 Simma W, et al.
Wien Med Wochenschr 123:705-6, 24 Nov 73 (Ger)
 [Simple quantitative method for determination of
 aldosterone in the blood from adrenal glands in rats]
 Golikov PP, et al.
Probl Endokrinol (Mosk) 19:109-14, Sep-Oct 73 (Eng.
 Ahstr.) (Rus)

CYTOLOGY

- Effects of mammalian corticotrophin on the
 ultrastructure of presumptive interrenal cells in the
 opisthonephros of the lamprey, *Petromyzon marinus*
 L. Youson JH. *Am J Anat* 138:235-51, Oct 73
 Angiotensin binding to rat adrenal capsular cell
 suspensions. Brecher P, et al.
Biochem Biophys Res Commun 54:1511-7, 15 Oct 73
 Effect of ACTH on biosynthesis of aldosterone and
 corticosterone by monolayer cultures of rat adrenal
 zona glomerulosa cells. Hornsby PJ, et al.
Biochem Biophys Res Commun 54:1554-9, 15 Oct 73
 Factors affecting the adrenocorticotrophic hormone
 stimulation of rabbit adrenal 17 α -hydroxylase
 activity. Fevold HR, et al.
Biochim Biophys Acta 313:211-20, 20 Jun 73
 Transport of anions in stored bovine adrenal cortical
 mitochondria. Tsang D, et al.
Biochim Biophys Acta 318:217-24, 22 Aug 73
 ACTH and cAMP stimulation of adrenal ribosomal
 protein phosphorylation. Roos BA.
Endocrinology 93:1287-93, Dec 73
 Influence of plasma on ACTH stimulated
 corticosterone production of isolated adrenal cells.
 Fehm HL, et al. *FEBS Lett* 36:109-12, 1 Oct 73
 Azure B-RNA changes in the adrenal and cerebral
 cortex of rats exposed to intense noise. Anthony A.
Fed Proc 32:2093-7, Nov 73
 Adrenal mitochondrial cytochrome P-450 and
 cholesterol side chain cleavage activity. Differences
 in the response of the zona glomerulosa and zona
 fasciculata-reticularis to adrenocorticotrophic
 hormone and its withdrawal. Alfano J, et al.
J Biol Chem 248:7860-4, 25 Nov 73
 Comparison of the effects of adrenocorticotrophic
 hormone on the steroidogenic activity and
 ultrastructure of adrenal cortex. Kuo TH, et al.
J Biol Chem 248:6679-83, 10 Oct 73
 Mitochondrial 11 beta hydroxylation and adrenal
 morphology in rats bearing a mammatropic,
 ACTH-secreting pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:407-16, Jul 73
 Electron microscopic studies on various types of
 inclusions found in autopsy cases. II. Spironolactone
 inclusion body in autopsy cases and its experimental
 studies on rhesus monkey. Okano K, et al.
Med J Osaka Univ 23:111-20, Dec 72
 In vitro effects of ACTH on uridine incorporation into
 rapidly labelled adrenal RNA of normal and
 dexamethasone-suppressed rats. Castells S, et al.
Steroids 22:171-83, Aug 73

DRUG EFFECTS

- Analysis of the inhibition of the ACTH release by
 hypothalamic implants of atropine. Kaplanski J, et al.
Acta Endocrinol (Kbh) 73:651-9, Aug 73
 On the mechanism of goitre formation during lithium
 treatment in the rat. Leppäluoto J, et al.
Acta Endocrinol (Kbh) 74:296-306, Oct 73
 Effect of imidazole on the adrenal response to ACTH
 and to stress. Marton J, et al.
Acta Physiol Acad Sci Hung 42:225-30, 1972
 Effect of neonatal corticosterone administration on
 behavioural and pituitary-adrenocortical responses in
 the rat. Nyakas C, et al.
Acta Physiol Acad Sci Hung 42:231-41, 1972
 Possible role of serotonin in the monoamines-induced
 inhibition of the stress mechanism in the rat. Vermes
 I, et al. *Acta Physiol Acad Sci Hung* 42:219-23, 1972
 Effect of immunotropic drugs on adrenocortical
 functions. Patkowski J, et al.
Acta Physiol Pol 24:561-70, Jul-Aug 73
 Effects of mammalian corticotrophin on the
 ultrastructure of presumptive interrenal cells in the
 opisthonephros of the lamprey, *Petromyzon marinus*
 L. Youson JH. *Am J Anat* 138:235-51, Oct 73
 Endocrine studies in an arrhenohlastoma responsive to
 dexamethasone, ACTH and human chorionic

- gonadotropin. Tucci JR, et al.
Am J Med 55:687-94, Nov 73
 Increased aldosterone secretion during sodium
 depletion with inhibition of renin release. Blair-West
 Jr, et al. *Am J Physiol* 224:1409-14, Jun 73
 Indirect sympathomimetic actions of
 epsilon-aminocaproic acid (EACA): role of the
 adrenal medulla. Garrett J, et al.
Arch Int Pharmacodyn Ther 204:252-9, Aug 73
 Influence of thiol reagents on the metal activation of
 phosphorylase phosphatase from bovine adrenal
 cortex. Rosemont JL, et al.
Arch Int Physiol Biochim 81:594, Sep 73
 Therapeutic grand rounds number 5. The differential
 diagnosis of hirsutism and virilism.
Arch Intern Med 132:616-9, Oct 73
 Circadian rhythms in the concentrations of protein and
 the main electrolytes in human unstimulated parotid
 saliva. Dawes C, et al. *Arch Oral Biol* 18:1233-42, Oct 73
 Suppression of acute and chronic inflammation in
 adrenalectomized rats by pharmacologic amounts of
 prostaglandins. Zurier RB, et al.
Arthritis Rheum 16:606-18, Sep-Oct 73
 Factors affecting the adrenocorticotrophic hormone
 stimulation of rabbit adrenal 17 α -hydroxylase
 activity. Fevold HR, et al.
Biochim Biophys Acta 313:211-20, 20 Jun 73
 The role of calcium in the steroidogenic response of rat
 adrenal cells to adrenocorticotrophic hormone. Haksar
 A, et al. *Biochim Biophys Acta* 313:363-71, 28 Jul 73
 Relationship between aortic reactivity and blood
 pressure of renal hypertensive, hyperthyroid, and
 hypothyroid rats. Field FP, et al.
Can J Physiol Pharmacol 51:344-53, May 73
 Chronic propranolol treatment in young spontaneously
 hypertensive and normotensive rats. Vávra I, et al.
Can J Physiol Pharmacol 51:727-32, Oct 73
 Prophylaxis of spontaneously developing mammary
 carcinoma in C3H-HeJ female mice by suppression of
 prolactin. Welsch CW, et al.
Cancer Res 33:2939-46, Nov 73
 Beclomethasone dipropionate corticosteroid inhaler: a
 preliminary report of its pharmacological properties
 and therapeutic efficacy in asthma. Wilcox JB, et al.
Drugs 6:84-93, 1973
 Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin on the
 immune system of laboratory animals. Vos JG, et al.
Environ Health Perspect 5:149-62, Sep 73
 Function of adrenal gland-zona fasciculata in rats
 receiving polychlorinated biphenyls. Wassermann D,
 et al. *Environ Res* 6:334-8, Sep 73
 Adrenal mitochondrial cytochrome P-450 and
 cholesterol side chain cleavage activity. Differences
 in the response of the zona glomerulosa and zona
 fasciculata-reticularis to adrenocorticotrophic
 hormone and its withdrawal. Alfano J, et al.
J Biol Chem 248:7860-4, 25 Nov 73
 Comparison of the effects of adrenocorticotrophic
 hormone on the steroidogenic activity and
 ultrastructure of adrenal cortex. Kuo TH, et al.
J Biol Chem 248:6679-83, 10 Oct 73
 Capacity for steroidogenesis of adrenals in
 hypophysectomized and adrenocorticotrophic
 hormone-treated hypophysectomized rats.
 Implication of a ribonucleic acid for hormone-induced
 steroidogenesis. Mostafapour MK, et al.
J Biol Chem 248:6674-8, 10 Oct 73
 The episodic nature of changes in ovine plasma cortisol
 levels and their response to adrenalin during
 adaptation to a new environment. McNatty KP, et al.
J Endocrinol 59:171-80, Oct 73
 Aspects of adrenal function in neonatally estrogenized
 male mice. Simmons JE, et al.
J Exp Zool 186:123-6, Nov 73
 Studies on the physical dependence liability of
 analgesics. 3. Electron microscopic study on
 intramitochondrial structure of zona fasciculata cells
 in adrenal cortex in a new analgesic, CG-315 chronically
 administered rats. Yano I, et al.
Jap J Pharmacol 23:227-31, Apr 73
 Biological effects of autoxidized safflower oils.
 Nakamura M, et al. *Lipids* 8:566-72, Oct 73
 Prostaglandins. Horton EW.
Monogr Endocrinol 7:1-197, 1972 (286 ref.)
 Effect of feeding chlorpromazine, metyrapone and
 pargyline to chicks on plasma corticoid levels and the
 effect of stress on their relationship to body weight.
 Buckland RB, et al. *Poult Sci* 52:1215-7, May 73
 The effect of Ketalar on the adrenal gland of young

- White Leghorn cockerels. Chlasson RB, et al. *Poult Sci* 52:1014-8, May 73
- Effects of urethane on pituitary-adrenal function in the rat. Ondo JG, et al. *Proc Soc Exp Biol Med* 143:894-8, Sep 73
- Glucocorticoid properties of progestogens. Briggs MH, et al. *Steroids* 22:555-9, Oct 73
- In vitro effects of ACTH on uridine incorporation into rapidly labelled adrenal RNA of normal and dexamethasone-suppressed rats. Castells S, et al. *Steroids* 22:171-83, Aug 73
- Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al. *Steroids* 22:337-50, Sep 73
- Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Fregly MJ. *Toxicol Appl Pharmacol* 25:560-8, Aug 73
- Tannic acid-induced alterations in mouse growth and pituitary melanocyte-stimulating hormone activity. Peaslee MH, et al. *Toxicol Appl Pharmacol* 25:507-14, Aug 73
- Effects of chloroquine on the adrenocortical function. I. Concentration of chloroquine and morphological changes in the suprarenal gland of rats on long-term administration of chloroquine. Grundmann M, et al. *Z Rheumaforsch* 32:306-12, Jul-Aug 73
- [Evolution of the activity of several endocrine glands in cholesterol fed rabbits (author's transl)] Marqué G, et al. *Ann Endocrinol (Paris)* 34:271-81, May-Jun 73 (Fre)
- [Metapirone test after treatment with slow-acting tetracosactide (slow-acting syntactene)] Murie N, et al. *Ann Endocrinol (Paris)* 34:164-73, Mar-Apr 73 (Fre)
- [Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Bouhnik J, et al. *Biochimie* 55:323-8, 1973 (Eng. Abstr.) (Fre)
- [Clinical research on a histological preparation with stimulating effect on the adrenocortical secretion] Mascaretti L. *Minerva Med* 64:2365-70, 1973 (Ita)
- [State of the sympatho-adrenal system in patients with mitral stenosis operated on under different types of inhalation anesthesia] Chepkif LP, et al. *Klin Khir* 1:28-9, Jan 73 (Rus)
- [Effect of ACTH on some aspects of cholesterol and cholesterol ester metabolism in the rat's adrenal glands] Iudaev NA, et al. *Probl Endokrinol (Mosk)* 19:67-72, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Secretion of aldosterone in dogs after administration of o,p'-dichlorodiphenyldichloroethane (o,p'-DDD)] Komissarenko VP, et al. *Probl Endokrinol (Mosk)* 19:72-6, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Effect of o,p'-DDD on biosynthesis of corticosteroids in the adrenal tissue in vitro] Kravchenko VI. *Probl Endokrinol (Mosk)* 19:76-9, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Effect of melatonin on the hypothalamo-hypophyseal-adrenal system of rats] Maslova LN, et al. *Probl Endokrinol (Mosk)* 19:55-9, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [State of the sympathoadrenal system in syphilis before and after penicillin treatment] Kalantavskaya KA, et al. *Vrach Delo* 7:111-4, Jul 73 (Eng. Abstr.) (Rus)
- [Gibberellic acid—a substance with multiple biologic activity?] Schwartz E. *Bratisl Lek Listy* 59:360-72, Sep 73 (Slo)
- stimulation of rabbit adrenal 17alpha-hydroxylase activity. Fevold HR, et al. *Biochim Biophys Acta* 313:211-20, 20 Jun 73
- Properties of purified quinolone dihydropterin reductase. Cheema S, et al. *Can J Biochem* 51:1229-39, Sep 73
- The levels of superoxide dismutase and catalase in human tissues as determined immunochemically. Hartz JW, et al. *Clin Chim Acta* 46:125-32, 28 Jun 73
- The effect of stress induced by ether anaesthesia on cholesterol content and cholesteryl-esterase activity in rat-adrenal cortex. Trzeciak WH, et al. *Eur J Biochem* 37:327-33, 17 Aug 73
- Phosphorylase phosphatase: molecular configuration and activity. Kalala LR, et al. *FEBS Lett* 32:284-8, 1 Jun 73
- Hypertensive effects of prolonged auditory, visual, and motion stimulation. Smookler HH, et al. *Fed Proc* 32:2105-10, Nov 73
- Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. Murthy AS, et al. *Horm Res* 4:219-23, 1973
- Corticosterone metabolism by rat adrenocortical cell suspensions and monolayer cultures: the effect of damage on 11-dehydrogenase activity. O'Hare MJ. *J Endocrinol* 59:141-50, Oct 73
- The cytochemical application of new potent inhibitors of alkaline phosphatases. Borgers M. *J Histochem Cytochem* 21:812-24, Sep 73
- [Inhibition in vitro of steroid 17-alpha hydroxylase from adrenal cortex of heef] Krémers P. *Arch Int Physiol Biochim* 81:379, May 73 (Fre)
- [Biochemical study of adrenal cortex 17-alpha-hydroxylase] Krémers P. *Arch Int Physiol Biochim* 81:377-8, May 73 (Fre)
- [Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Bouhnik J, et al. *Biochimie* 55:323-8, 1973 (Eng. Abstr.) (Fre)

GROWTH & DEVELOPMENT

- The effect of age, growth retardation and asphyxia on ascorbic acid concentrations in developing brain. Adlard BP, et al. *J Neurochem* 21:877-81, Oct 73
- Maturity of the pituitary-adrenal axis in the newborn dog. Muelhelms GH, et al. *Proc Soc Exp Biol Med* 143:1197-200, Sep 73
- [Age-dependent autoradiographic study on adrenal cortex proliferation in male rats following continuous 3H-thymidine infusion] Stöcker E, et al. *Virchows Arch [Zellpathol]* 13:247-57, 22 Jul 73 (Eng. Abstr.) (Ger)

IMMUNOLOGY

- Improved purification of rat brain choline acetyltransferase by using an immunoadsorbent. Rossler J, et al. *FEBS Lett* 32:231-4, 1 Jun 73

INJURIES

- Adrenocortical function after major gastric surgery. Blichert-Toft M, et al. *Am J Surg* 126:595-7, Nov 73

INNERVATION

- [Macroscopic study of adrenal gland innervation and blood supply in cattle] Patea E. *Anat Anz* 134:120-6, 1973 (Fre)

METABOLISM

- Metabolism and distribution of digitoxin in the rat. Castle MC, et al. *Arch Int Pharmacodyn Ther* 203:323-34, Jun 73
- Studies on the turnover and synthesis of epinephrine from norepinephrine in the adrenal gland. Pendleton RG, et al. *Arch Int Pharmacodyn Ther* 203:368-75, Jun 73
- Angiotensin binding to rat adrenal capsular cell suspensions. Brecher P, et al. *Biochem Biophys Res Commun* 54:1511-7, 15 Oct 73
- Effect of ACTH on biosynthesis of aldosterone and corticosterone by monolayer cultures of rat adrenal zona glomerulosa cells. Hornsby PJ, et al. *Biochem Biophys Res Commun* 54:1554-9, 15 Oct 73
- The role of calcium in the steroidogenic response of rat adrenal cells to adrenocorticotrophic hormone. Haksar A, et al. *Biochim Biophys Acta* 313:363-71, 28 Jul 73

EMBRYOLOGY

- [Macroscopic study of adrenal gland innervation and blood supply in cattle] Patea E. *Anat Anz* 134:120-6, 1973 (Fre)

ENZYMOLGY

- Pathology of intracortical nodules in rat adrenal glands, especially on their fine-structure. Sugihara H, et al. *Acta Pathol Jap* 23:253-60, May 73
- Influence of thiol reagents on the metal activation of phosphorylase phosphatase from bovine adrenal cortex. Rosemont JL, et al. *Arch Int Physiol Biochim* 81:594, Sep 73
- Activation of phosphorylase phosphatase from bovine adrenal cortex by bivalent metal ions. Rosemont JL, et al. *Arch Int Physiol Biochim* 80:981-3, Dec 72
- Factors affecting the adrenocorticotrophic hormone

- Transport of anions in stored bovine adrenal cortical mitochondria. Teang D, et al.
Biochim Biophys Acta 318:217-24, 22 Aug 73
- Population density and social pathology in mice. Differences in catecholamine metabolism associated with differences in behavior. Ng LK, et al.
Brain Res 59:323-30, 14 Sep 73
- The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al.
Can J Physiol Pharmacol 51:313-8, May 73
- ACTH and cAMP stimulation of adrenal ribosomal protein phosphorylation. Roos BA.
Endocrinology 93:1287-93, Dec 73
- The effect of stress induced by ether anaesthesia on cholesterol content and cholesteryl-esterase activity in rat-adrenal cortex. Trzeciak WH, et al.
Eur J Biochem 37:327-33, 17 Aug 73
- Influence of plasma on ACTH stimulated corticosterone production of isolated adrenal cells. Fehm HL, et al. *FEBS Lett* 36:109-12, 1 Oct 73
- Azure B-RNA changes in the adrenal and cerebral cortex of rats exposed to intense noise. Anthony A.
Fed Proc 32:2093-7, Nov 73
- Copper levels in tissues of rhesus monkeys bearing intrauterine or intra-abdominal copper devices. Moo-Young AJ, et al. *Fertil Steril* 24:848-53, Nov 73
- Steroid hiosynthesis by phalarope (*Steganopus tricolor* and *Lobipes lobatus*) adrenal tissue. Fevold HR, et al.
Gen Comp Endocrinol 21:353-7, Oct 73
- Hormone: receptor interactions. Biological activities of (phenylalanine, norvaline)-adrenocorticotropin-(1-24)-tetracosapeptide and its 4,5-dehydro-4,5-ditritio-norvaline analogue in isolated rat lipocytes and adrenal cortex cells: lipolysis, corticosterone and cyclic adenosine-3',5'-monophosphate production. Lang U, et al. *Helv Chim Acta* 56:1069-72, 1973
- Adrenal mitochondrial cytochrome P-450 and cholesterol side chain cleavage activity. Differences in the response of the zona glomerulosa and zona fasciculata-reticularis to adrenocorticotrophic hormone and its withdrawal. Alfano J, et al.
J Biol Chem 248:7860-4, 25 Nov 73
- Substrate-induced effects of spectral, electron paramagnetic resonance, and enzymatic properties of cholesterol-depleted mitochondrial cytochrome P-450 of bovine adrenal cortex. Cheng SC, et al.
J Biol Chem 248:7263-71, 25 Oct 73
- Comparison of the effects of adrenocorticotrophic hormone on the steroidogenic activity and ultrastructure of adrenal cortex. Kuo TH, et al.
J Biol Chem 248:8679-83, 10 Oct 73
- Capacity for steroidogenesis of adrenals in hypophysectomized and adrenocorticotrophic hormone-treated hypophysectomized rats. Implication of a ribonucleic acid for hormone-induced steroidogenesis. Mostafapour MK, et al.
J Biol Chem 248:8674-8, 10 Oct 73
- Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al.
J Endocrinol 58:485-91, Sep 73
- Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73
- Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al.
J Endocrinol 58:463-75, Sep 73
- Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al.
J Endocrinol 59:43-55, Oct 73
- Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 58:447-62, Sep 73
- The traditional oriental medicine and acupuncture therapy. Toyama PM, et al.
J Miss State Med Assoc 14:488-95, Nov 73 (101 ref.)
- The effect of age, growth retardation and asphyxia on ascorbic acid concentrations in developing brain. Adlard BP, et al. *J Neurochem* 21:877-81, Oct 73
- Metabolism of Mercurascan-203Hg by rats and dogs. Dreyfuss J, et al. *J Nucl Biol Med* 17:43-50, Apr-Jun 73
- Potential organ or tumor-imaging agents. 12. Esters of 19-radiolabeled cholesterol. Counsell RE, et al.
J Nucl Med 14:777-80, Nov 73
- Synthesis and preliminary evaluation in animals of carrier-free 11C-1-dopamine hydrochloride: X. Fowler JS, et al. *J Nucl Med* 14:887-9, Nov 73
- Uptake and accumulation of 3H-6,7-dihydroxytetrahydroisoquinoline by peripheral sympathetic nerves in vivo. Locke S, et al.
J Pharmacol Exp Ther 187:56-67, Oct 73
- Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammatropic, ACTH-secreting pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:407-16, Jul 73
- Studies on pharmacodynamic action of N-ethylmaleimide (NEM). 3. NEM induced hyperglycemia in rats. Yamamoto H, et al.
Jap J Pharmacol 23:167-75, Apr 73
- Letter: Ectopic production of calcitonin. Keynes M, et al. *Lancet* 2:1090, 10 Nov 73
- Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Daniels-Severs A, et al. *Pharmacology* 9:348-56, 1973
- Binding of nerve growth factor receptor in sympathetic ganglia. Banerjee SP, et al.
Proc Natl Acad Sci USA 70:2519-23, Sep 73
- Maturity of the pituitary-adrenal axis in the newborn dog. Muelhelms GH, et al.
Proc Soc Exp Biol Med 143:1197-200, Sep 73
- Aldosterone biosynthesis from 4-14C-pregnenolone and 4-14C-progesterone, in the rat and rabbit. Slaga TJ, et al. *Proc Soc Exp Biol Med* 143:1201-6, Sep 73
- Cardiovascular profile of BR750 (2,6-dichloro-henzylideneamino-guanidine acetate). Marmo E, et al.
Res Commun Chem Pathol Pharmacol 6:391-406, Sep 73
- In vitro effects of ACTH on uridine incorporation into rapidly labelled adrenal RNA of normal and dexamethasone-suppressed rats. Castells S, et al.
Steroids 22:171-83, Aug 73
- The hiosynthesis of 23,24-dinor-5-choleone-3beta,20-diol and 23,24-dinor-5-choleone-3beta,21-diol. Tait AD.
Steroids 22:239-45, Aug 73
- 11-dehydrocorticosterone (compd. A) formation by the Microtus adrenal. Ungar F, et al.
Steroids 22:503-14, Oct 73
- [Measure of 17-alpha hydroxylase of the intermediate substrate labeled with carbon 14C] Krémers P. *Arch Int Physiol Biochim* 81:376-7, May 73 (Fre)
- [Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Bouhnik J, et al.
Biochimie 55:323-8, 1973 (Eng. Abstr.) (Fre)
- [Effect of bioflavonoids on the utilization of the vitamin C activity of crystalline L-dehydroascorbic acid] Zloch Z.
Int J Vitam Nutr Res 43:378-86, 1973 (Eng. Abstr.) (Ger)
- [Adrenal gland scanning with 131I-19-iodocholesterol (author's transl)] Tragl KH, et al.
Wien Klin Wochenschr 85:808-9, 7 Dec 73 (Eng. Abstr.) (Ger)
- [A study on the role of brain for the establishment of adaptation to the repeated immobilization stress. II. A role of the limbic-midbrain system in the repeated immobilization stress] Yanase M.
J Physiol Soc Jap 35:171-8, Apr 73 (Eng. Abstr.) (Jap)
- [Annual rhythm of ribonucleic acid (RNA) in the adrenal glands of white rats] Nicolau G, et al.
Stud Cercet Endocrinol 24:387-91, 1973 (Rum)
- [Aldosteronuria in patients with diabetes mellitus] Bezverkhala TP.
Probl Endokrinol (Mosk) 19:10-3, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Simple quantitative method for determination of aldosterone in the blood from adrenal glands in rats] Gollkov PP, et al.
Probl Endokrinol (Mosk) 19:109-14, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Effect of ACTH on some aspects of cholesterol and cholesterol ester metabolism in the rat's adrenal glands] Iudaev NA, et al.
Probl Endokrinol (Mosk) 19:67-72, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Effect of o,p'-DDD on biosynthesis of corticosteroids in the adrenal tissue in vitro] Kravchenko VI.
Probl Endokrinol (Mosk) 19:76-9, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Content of nucleic acids in the cardiac and skeletal muscles during changes adrenal function] Khmelko AG. *Vrach Delo* 6:47-9, Jun 73 (Eng. Abstr.) (Rus)
- [Neuro-humoral changes in transitory disorders of the

ADRENAL

ADRENAL GLANDS

cerebral blood circulation] Vesel'skiĭ ISh.
Vrach Delo 6:41-3, Jun 73 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Addison's disease due to *Histoplasma capsulatum*.
Rooyen RJ van, et al. S Afr Med J 47:1953-5, 20 Oct 73

PATHOLOGY

Wasting disease and tetany following neonatal
pinelectomy. Csaba G, et al.
Acta Med Acad Sci Hung 29:231-40, 1973
Liver damage induced by lanthanum trichloride. Kádás
I, et al. Acta Morphol Acad Sci Hung 21:27-37, 1973
Pathology of intracortical nodules in rat adrenal glands,
especially on their fine-structure. Sugihara H, et al.
Acta Pathol Jap 23:253-60, May 73
Effect of immunotropic drugs on adrenocortical
functions. Patkowski J, et al.
Acta Physiol Pol 24:561-70, Jul-Aug 73
Adrenal involvement in cryptococcosis. Salyer WR, et
al. Am J Clin Pathol 60:559-61, Oct 73
Wolman disease with jaundice and subarachnoid
hemorrhage. Kamalian N, et al.
Am J Dis Child 126:871-5, Nov 73
Observations on the adrenal glands of normal swine and
swine affected with arthritis. Benson RO, et al.
Am J Vet Res 34:1247-51, Oct 73
The adrenal cortex in adrenoleukodystrophy. Powers
JM, et al. Arch Pathol 98:305-10, Nov 73
Protective effects of propranolol on
isoproterenol-induced myocardial infarction in
arteriosclerotic and non-arteriosclerotic rats. Wexler
BC. Atherosclerosis 18:11-42, Jul-Aug 73
Experimental colibacillosis in gnotobiotic body plgs. II.
Pathology. Christie BR, et al.
Can J Comp Med 37:271-80, Jul 73
Pathologic effects of
2,3,7,8-tetrachlorodibenzo-p-dioxin in laboratory
animals. Gupta BN, et al.
Environ Health Perspect 5:125-40, Sep 73
Dynamics of development of late pathomorphologic
changes in the endocrine glands (hypophysis, thyroid,
adrenals) after X-irradiation of newborn mice with
sublethal doses. Chomiczewski K.
Folia Biol (Krakow) 21:153-67, 1973
Ultrastructural basis of biochemical effects in a series
of lethal alleles in the mouse. Neonatal and
developmental studies. Trigg MJ, et al.
J Cell Biol 58:549-63, Sep 73
Aspects of adrenal function in neonatally estrogenized
male mice. Simmons JE, et al.
J Exp Zool 186:123-6, Nov 73
Mitochondrial 11 beta hydroxylation and adrenal
morphology in rats bearing a mammatropic,
ACTH-secreting pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:407-16, Jul 73
Studies on the physical dependence liability of
analgesics. 2. Relationship between transformation of
intramitochondrial structures in adrenocortical cells
and corticosterone biosynthesis in morphine addicted
rats. Yamamoto H, et al.
Jap J Pharmacol 23:217-25, Apr 73
Studies on the physical dependence liability of
analgesics. 1. Electron microscopic studies on the
ultra-structural transformation of mitochondria in
the cells of zona fasciculata of the adrenal cortex in
morphine addicted rats. Yano I, et al.
Jap J Pharmacol 23:201-15, Apr 73
Letter: Pathological changes in fetal rhesus monkey
induced by oral chenodeoxycholic acid. Heywood R, et
al. Lancet 2:1021, 3 Nov 73
Clinical conference: The coed with mysterious mono.
Med Times 101:47-57, Oct 73
Left upper quadrant pain. Campaigne RJ, et al.
Min Med 56:897-8, Oct 73
Chronic administration of cocaine: effects on
defaecation and adrenal hypertrophy in the rat.
Kirkby RJ, et al. Neuropharmacology 12:1001-3, Oct 73
Male pseudohermaphroditism in the laboratory Norway
rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973
Addison's disease due to *Histoplasma capsulatum*.
Rooyen RJ van, et al. S Afr Med J 47:1953-5, 20 Oct 73
Adrenocortical cells in rats bearing a corticosterone
secreting tumor. Nickerson PA.
Virchows Arch [Zellpathol] 13:297-305, 21 Aug 73
[Extra-medullary megakaryocytes] Oberling F, et al.
Nouv Rev Fr Hematol 13:522-9, Jul-Aug 73 (Fre)

[Death after delivery under the general clinical
symptoms of consumption coagulopathy (eclampsia
sine eclampsia) (author's transl)] Ryvarden G.
Z Rechtsmed 72:174-9, 24 May 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Analysis of the inhibition of the ACTH release by
hypothalamic implants of atropine. Kaplanski J, et al.
Acta Endocrinol (Kbh) 73:651-9, Aug 73
"In vivo radioimmunoassay" of aldosterone. Vecsel P,
et al. Acta Endocrinol (Kbh) 74:307-15, Oct 73
Relationship between organ weight and blood flow in
rats adapted to simulated high altitude. Tucker A, et
al. Aerosp Med 44:1036-9, Sep 73
Adrenocortical function after major gastric surgery.
Blichert-Toft M, et al. Am J Surg 126:595-7, Nov 73
Effect of bee venom on experimental arthritis. Zurler
RB, et al. Ann Rheum Dis 32:466-70, Sep 73
The diurnal variation of peptidyl proline hydroxylase
activity in different tissues of the rat. Cutroneo KR, et
al. Biochim Biophys Acta 320:227-31, 14 Sep 73
A common component involved in the induction of
hepatic tyrosine transaminase by hydrocortisone and
glucagon. McNamara DJ, et al.
Biochim Biophys Acta 313:356-62, 28 Jul 73
Specific changes in the activity of tyrosine
aminotransferase isoenzymes in rat liver after
cortisol treatment and partial hepatectomy.
Mertvetsov NP, et al.
Biochim Biophys Acta 315:61-5, 5 Jul 73
Effects of artificial mothers and visual experience on
adrenal responsiveness of infant monkeys. Hill SD, et
al. Dev Psychobiol 6:421-9, Sep 73
Epinephrine deficiency potentiates cortisol elevation
of glucose turnover in the dog. Rathgeb I, et al.
Endocrinology 93:1336-41, Dec 73
On the possibility that the prereplicative increases in
ornithine decarboxylase activity are related to DNA
synthesis in liver. Gaza DJ, et al.
FEBS Lett 32:251-3, 1 Jun 73
Histochemical evidence for the specific functioning of
an intrasplenic adrenal graft. Murthy AS, et al.
Horm Res 4:219-23, 1973
The isolation of a new hypotensive peptide,
neurotensin, from bovine hypothalamus. Carraway R, et
al. J Biol Chem 248:6854-61, 10 Oct 73
Capacity for steroidogenesis of adrenals in
hypophysectomized and adrenocorticotrophic
hormone-treated hypophysectomized rats.
Implication of a ribonucleic acid for hormone-induced
steroidogenesis. Mostafapour MK, et al.
J Biol Chem 248:6674-8, 10 Oct 73
Role of the adrenal cortex in the adaptation of the
monotreme *Tachyglossus aculeatus* to low
environmental temperature. Augée ML, et al.
J Endocrinol 58:513-23, Sep 73
Fetoplacental contribution to the maternal
corticosteroid pool in Long-Evans rats. Petropoulos
EA, et al. J Endocrinol 59:183-4, Oct 73
Aspects of adrenal function in neonatally estrogenized
male mice. Simmons JE, et al.
J Exp Zool 186:123-6, Nov 73
Functional development of the
hypothalamo-hypophyseal-adrenal cortex axis in the
chick embryo, *Gallus domesticus*. Wise PM, et al.
J Exp Zool 185:277-92, Sep 73
Adrenocortical response to captivity in *Microtus
pennsylvanicus*. Olsen DE, et al.
J Mammal 54:779-81, Aug 73
Cordycepin and alpha-amanitin: inhibitors of
transcription as probes of aldosterone action. Chu LL,
et al. J Membr Biol 10:291-310, 29 Dec 72
The role of the sympathetic innervation in the control
of plasma glucagon concentration in the calf. Bloom
SR, et al. J Physiol (Lond) 233:457-66, Sep 73
Lack of pituitary, adrenal, thyroid, gonadal, and pineal
control of cyclic variation in antibacterial function of
neutrophils. Alexander JW, et al.
J Reticuloendothel Soc 14:266-79, Sep 73
Isolation and characterization of cortisol metabolites
from liver of adrenalectomized rats. Tsong YY, et al.
J Steroid Biochem 4:239-48, May 73
Commentary on "The epidermal chalone and
keratinizing epithelia" by E. B. Laurence. Hennings H.
Natl Cancer Inst Monogr 38:69-70, Jul 73
Delta 9-THC: selective impairment of corticosterone
uptake by limbic structures of the rat. Drew WG, et al.
Neuropharmacology 12:909-14, Sep 73
Reading 'riting, 'rithmic--and rhythms: a new

- "relevant" "R" in the educative process. Halberg F, et al. *Perspect Biol Med* 17:128-41, Autumn 73
- Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Daniels-Severs A, et al. *Pharmacology* 9:348-56, 1973
- Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Leshner AI, et al. *Physiol Behav* 11:705-11, Nov 73
- The mechanism of initiation of parturition in the ewe. Liggins GC, et al.
- Recent Prog Horm Res* 29:111-59, 1973
- Effects of acute and subacute cadmium administration on carbohydrate metabolism in mice. Ghafghazi T, et al. *Toxicol Appl Pharmacol* 26:231-40, Oct 73
- [Clinical importance of the circadian rhythm of some physiological functions of child's body] Tabolin VA, et al. *Cesk Pediatr* 28:396-8, Aug 73 (Cze)
- [Role of maternal adrenal glands in production of estrogens in the pregnant sow] Fèvre J, et al. *Ann Biol Anim Biochim Biophys* 12:559-67, 1972 (Eng. Abstr.) (Fre)
- [The year in endocrinology] Alheaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)
- [Influence of adrenalectomy on emotional behavior and brain methamphetamine concentration in rats—effect of chronic administrations of ACTH] Kohayashi M, et al.
- Folia Pharmacol Jap* 69:403-8, May 73 (Eng. Abstr.) (Jap)
- [Changes in the adrenal cortex during formation of conditioned reflexes, differentiation and reconditioning in the rat] Trofimova GA, et al. *Fiziol Zh SSSR* 59:957-9, Jun 73 (Rus)
- [Secretion of aldosterone in dogs after administration of o,p'-dichlorodiphenyldichloroethane (o,p'-DDD)] Komissarenko VP, et al.
- Probl Endokrinol (Mosk)* 19:72-6, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [State of the sympathoadrenal system in sailors during long cruises] Polozhentsev SD, et al.
- Voen Med Zh* 6:56-7, Jun 73 (Rus)
- [Content of nucleic acids in the cardiac and skeletal muscles during changes adrenal function] Khmelko AG. *Vrach Delo* 6:47-9, Jun 73 (Eng. Abstr.) (Rus)
- [Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al.
- Rev Iber Endocrinol* 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)
- PHYSIOPATHOLOGY**
- Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
- Hyperacute allergic encephalomyelitis. A localized form produced by passive transfer and pertussis vaccine. Levine S, et al. *Am J Pathol* 73:247-60, Oct 73
- Effect of bilateral adrenalectomy on production of restraint ulcers in the stomach of albino rats. Ganguly AK, et al. *Can J Physiol Pharmacol* 51:748-50, Oct 73
- Role of the adrenal glands in the development of severe hypertension. Carretero OA, et al.
- Circ Res* 33:516-20, Nov 73
- Function of adrenal gland-zona fasciculata in rats receiving polychlorinated biphenyls. Wassermann D, et al. *Environ Res* 6:334-8, Sep 73
- Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. *Invest Urol* 11:194-7, Nov 73
- Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction. Argüelles AE, et al. *J Steroid Biochem* 4:427-32, Jul 73
- Insulin secretion, adrenal activity and glucose tolerance in acute myocardial infarction. Cejka V, et al. *Netb J Med* 16:189-99, 1973
- Effects of chloroquine on the adrenocortical function. I. Concentration of chloroquine and morphological changes in the suprarenal gland of rats on long-term administration of chloroquine. Grundmann M, et al.
- Z Rheumaforsch* 32:306-12, Jul-Aug 73
- [Glucocorticoid function in head injuries] Fossati P, et al.
- Ann Endocrinol (Paris)* 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Evolution of the activity of several endocrine glands in cholesterol fed rabbits (author's transl)] Marqué G, et al.
- Ann Endocrinol (Paris)* 34:271-81, May-Jun 73 (Fre)
- [48 XXXX syndrome in an infant] Walhaum R, et al. *J Genet Hum* 21:43-56, Mar 73 (Fre)
- [State of the sympatho-adrenal system in patients with mitral stenosis operated on under different types of inhalation anesthesia] Chepkli LP, et al.
- Klin Khir* 1:26-9, Jan 73 (Rus)
- [Certain problems of surgical treatment of hormonally active tumors of the adrenal cortex] Komissarenko IV, et al. *Klin Khir* 1:41-5, Jan 73 (Rus)
- [Viral hepatitis in children] Nisevich NI.
- Pediatrics* 51:3-9, May 73 (Rus)
- [Glucocorticoid function of the adrenal cortex in the pre- and postoperative period in congenital infundibuliform deformation of the chest and mitral stenosis in children] Voskan'ants OK.
- Pediatrics* 51:79-80, May 73 (Rus)
- [Functional state of the sympathetic-adrenal system in patients with myocardial infarct during the early stage of post-hospitalization rehabilitation by means of physical factors] Efendieva AT.
- Vopr Kurortol Fizioter Lech Fiz Kult* 38:329-36, Jul-Aug 73 (Rus)
- [Effect of decimetric waves on the activity of sympathico-adrenal system in patients with parkinsonism] Zefalov RK, et al.
- Vopr Kurortol Fizioter Lech Fiz Kult* 38:343-6, Jul-Aug 73 (Rus)
- [Adrenal glucocorticoid function during removal of tumors of the cerebral hemispheres] Khomeitskaya LF.
- Vopr Neirokhir* 36:27-32, Sep-Oct 72 (Eng. Abstr.) (Rus)
- [Functional state of the adrenal cortex in chronic gastritis with secretory insufficiency] Cherniavskaya GF. *Vrach Delo* 7:69-72, Jul 73 (Eng. Abstr.) (Rus)
- [Significance of serotonin and the sympathico-adrenal system in the pathogenesis of the hypertensive disease] Tokarenko AI.
- Vrach Delo* 6:20-6, Jun 73 (Eng. Abstr.) (Rus)
- [An electrophysiologic study of functional features of the adaptive-accommodative system in schizophrenia] Faivsheski VA.
- Zh Nevropatol Psikhiatr* 73:83-91, 1973 (Eng. Abstr.) (Rus)
- [The glucocorticoid and androgenic functions of the adrenal cortex in lumbosacral radiculitis] Isachenko MM, et al.
- Zh Nevropatol Psikhiatr* 73:324-7, 1973 (Eng. Abstr.) (Rus)
- [The state of adrenal cortical function in chronic alcoholism] Shisbov VI.
- Zh Nevropatol Psikhiatr* 73:235-8, 1973 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

- Dynamics of development of late pathomorphologic changes in the endocrine glands (hypophysis, thyroid, adrenals) after X-irradiation of newborn mice with sublethal doses. Chomiczewski K.
- Folia Biol (Krakow)* 21:153-67, 1973
- Postnatal growth in prenatally irradiated rats. II. Exposure rate effects on the adrenal, pituitary, lung, heart and testes. Martin PG. *Growth* 37:165-75, Jun 73

SECRETION

- Effect of imidazole on the adrenal response to ACTH and to stress. Marton J, et al.
- Acta Physiol Acad Sci Hung* 42:225-30, 1972
- Increased aldosterone secretion during sodium depletion with inhibition of renin release. Blair-West Jr, et al. *Am J Physiol* 224:1409-14, Jun 73
- Clinical conference: Essential hypertension: new concepts about mechanisms.
- Ann Intern Med* 79:411-24, Sep 73
- Biological evidence for androgen secretion by the early fetal pig testes in organ culture. Moon YS, et al.
- Biol Reprod* 9:330-7, Nov 73
- Endogenous ACTH induced remission in myasthenia gravis. Arborea NJ, et al.
- Bull Los Angeles Neurol Soc* 38:183-7, Oct 73
- Radioimmunoassay of aldosterone in adrenal venous effluent in a case of Conn's syndrome. Frölich M, et al.
- Clin Chim Acta* 47:277-81, 30 Aug 73
- Circadian rhythms of drug effectiveness and toxicity. Ede MC.
- Clin Pharmacol Ther* 14:925-35, Nov-Dec 73 (77 ref.)
- Role of adrenal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). Silver R, et al.
- J Comp Physiol Psychol* 84:453-63, Sep 73

- [Clinical research on a biological preparation with stimulating effect on the adrenocortical secretion] Mascaretti L. *Minerva Med* 64:2365-70, 1973 (Ita)
- [Mineralocorticoid function of the adrenal cortex in intracranial neoplasms] Martirosian VV, et al. *Vopr Neirokhir* 36:32-5, Sep-Oct 72 (Eng. Abstr.) (Rus)

SURGERY

- Letter: Ectopic production of calcitonin. Keynes M, et al. *Lancet* 2:1090, 10 Nov 73
- [Wermer's syndrome or familial polyendocrine adenomatous hyperplasia (2 anatomic-clinical cases)] Murie N, et al. *Ann Endocrinol (Paris)* 34:190-205, Mar-Apr 73 (Fre)

TRANSPLANTATION

- Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica. Alvarez-Buylla R, et al. *Acta Physiol Lat Am* 23:75-82, 1973
- Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. Murthy AS, et al. *Horm Res* 4:219-23, 1973
- [Adrenal gland transplantation--yesterday and today] Lie TS, et al. *Med Welt* 24:937-9, 1 Jun 73 (Ger)

ADRENALECTOMY

- Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al. *Acta Endocrinol (Kbh)* 73:851-9, Aug 73
- "In vivo radioimmunoassay" of aldosterone. Vecsel P, et al. *Acta Endocrinol (Kbh)* 74:307-15, Oct 73
- Hyperacute allergic encephalomyelitis. A localized form produced by passive transfer and pertussis vaccine. Levine S, et al. *Am J Pathol* 73:247-60, Oct 73
- Effect of bee venom on experimental arthritis. Zurier RB, et al. *Ann Rheum Dis* 32:466-70, Sep 73
- Conversion of hydrocortisone to estrogen in carcinoma of the breast after oophorectomy and adrenalectomy. Stonesifer GL Jr, et al. *Ann Surg* 178:563-4, Nov 73
- Suppression of acute and chronic inflammation in adrenalectomized rats by pharmacologic amounts of prostaglandins. Zurier RB, et al. *Arthritis Rheum* 16:606-18, Sep-Oct 73
- The diurnal variation of peptidyl proline hydroxylase activity in different tissues of the rat. Cutroneo KR, et al. *Biochim Biophys Acta* 320:227-31, 14 Sep 73
- A common component involved in the induction of hepatic tyrosine transaminase by hydrocortisone and glucagon. McNamara DJ, et al. *Biochim Biophys Acta* 313:356-62, 28 Jul 73
- Specific changes in the activity of tyrosine aminotransferase isoenzymes in rat liver after cortisol treatment and partial hepatectomy. Mertvetsov NP, et al. *Biochim Biophys Acta* 315:61-5, 5 Jul 73
- The aetiology of hypertension after renal transplantation in man. Sampson D, et al. *Br J Surg* 60:819-24, Oct 73
- Editorial: Hidden adrenocortical insufficiency. *Br Med J* 4:5-6, 6 Oct 73
- Effect of bilateral adrenalectomy on production of restraint ulcers in the stomach of albino rats. Ganguly AK, et al. *Can J Physiol Pharmacol* 51:748-50, Oct 73
- Role of the adrenal glands in the development of severe hypertension. Carretero OA, et al. *Circ Res* 33:516-20, Nov 73
- Epinephrine deficiency potentiates cortisol elevation of glucose turnover in the dog. Ratgeb I, et al. *Endocrinology* 93:1336-41, Dec 73
- Effect of neonatal 6-hydroxydopamine treatment on the blood pressure response to noradrenaline and tyramine in rats. Provost AP, et al. *Eur J Pharmacol* 23:297-301, Sep 73
- On the possibility that the prereplicative increases in ornithine decarboxylase activity are related to DNA synthesis in liver. Giza DJ, et al. *FEBS Lett* 32:251-3, 1 Jun 73
- Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. Murthy AS, et al. *Horm Res* 4:219-23, 1973
- The isolation of a new hypotensive peptide, neurotensin, from bovine hypothalamus. Carraway R, et al. *J Biol Chem* 248:6854-61, 10 Oct 73
- Serum steroid levels during the menstrual cycle in a

- bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73
- Role of the adrenal cortex in the adaptation of the monotreme *Tachyglossus aculeatus* to low environmental temperature. Augée ML, et al. *J Endocrinol* 58:513-23, Sep 73
- Foetoplacental contribution to the maternal corticosteroid pool in Long-Evans rats. Petropoulos EA, et al. *J Endocrinol* 59:183-4, Oct 73
- Cordycepin and alpha-amanitin: inhibitors of transcription as probes of aldosterone action. Cbu LL, et al. *J Membr Biol* 10:291-310, 29 Dec 72
- The role of the sympathetic innervation in the control of plasma glucagon concentration in the calf. Bloom SR, et al. *J Physiol (Lond)* 233:457-66, Sep 73
- Lack of pituitary, adrenal, thyroid, gonadal, and pineal control of cyclic variation in antibacterial function of neutrophils. Alexander JW, et al. *J Reticuloendothel Soc* 14:266-79, Sep 73
- Isolation and characterization of cortisol metabolites from liver of adrenalectomized rats. Tsong YY, et al. *J Steroid Biochem* 4:239-48, May 73
- Letter: Pituitary ablation for leucoerythroblastosis in carcinoma of breast. Bolton PM, et al. *Lancet* 2:1206, 24 Nov 73
- Commentary on "The epidermal chalone and keratinizing epithelia" by E. B. Laurence. Hennings H. *Natl Cancer Inst Monogr* 38:69-70, Jul 73
- Delta 9-THC: selective impairment of corticosterone uptake by limbic structures of the rat. Drew WG, et al. *Neuropharmacology* 12:909-14, Sep 73
- Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Leshner AI, et al. *Physiol Behav* 11:705-11, Nov 73
- Effects of acute and subacute cadmium administration on carbohydrate metabolism in mice. Ghafghazi T, et al. *Toxicol Appl Pharmacol* 26:231-40, Oct 73
- [Current status of the treatment of Cushing's syndrome in adults] Bricaire H, et al. *Acquis Med Recent* 33:47, 1972 (Fre)
- [Role of maternal adrenal glands in production of estrogens in the pregnant sow] Fèvre J, et al. *Ann Biol Anim Biochim Biophys* 12:559-67, 1972 (Eng. Abstr.) (Fre)
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)
- [Experiences in the surgical treatment of Cushing's disease and Conn's syndrome] Rosdy E, et al. *Acta Chir Acad Sci Hung* 14:183-93, 1973 (Ger)
- [Cushing's syndrome in childhood] Miletic D, et al. *Monatsschr Kinderheilkd* 121:413-4, Jul 73 (Ger)
- [Pathological aspects of adrenalectomy in hypothalamic-pituitary Cushing's syndrome (author's transl)] Kracht J, et al. *Verh Dtsch Ges Kreislaufforsch* 56:376-81, 1972 (Eng. Abstr.) (Ger)
- [Influence of adrenalectomy on emotional behavior and brain methamphetamine concentration in rats--effect of chronic administrations of ACTH] Kobayashi M, et al. *Folia Pharmacol Jap* 69:403-8, May 73 (Eng. Abstr.) (Jap)
- [Content of nucleic acids in the cardiac and skeletal muscles during changes adrenal function] Khmelko AG. *Vrach Delo* 6:47-9, Jun 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

- Hypercalcemia complicating breast cancer. Clinical features and management. Davis HL Jr, et al. *Oncology* 28:126-37, 1973

PITUITARY-ADRENAL FUNCTION TESTS

- Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
- Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al. *Cornell Vet* 63:646-65, Oct 73
- Quantitative relations of fetal and maternal pituitary-adrenal systems. Jackson BT, et al. *J Clin Invest* 52:3154-60, Dec 73
- Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. *J Urol* 110:410-2, Oct 73
- [Editorial: Anatomical and physiopathological diagnosis of pituitary adenoma. Contribution of

- current anterior pituitary functions tests] Mornex R, et al. *Nouv Presse Med* 2:2169-72, 22 Sep 73 (Fre)
- [Results of the LH-RH-hypophyseal function test in women with secondary amenorrhea (author's transl)] Schneider WH, et al. *Wien Klin Wochenschr* 85:588-90, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Nephrogenic diabetes] Grassi A. *Minerva Pediatr* 25:1155-83, 14 Aug 73 (Ita)
- [Glucocorticoid function of the adrenal cortex in the pre- and postoperative period in congenital infundibuliform deformation of the chest and mitral stenosis in children] Voskan'iants OK. *Pediatrila* 51:79-80, May 73 (Rus)
- [Effect of corticosteroid hormones on erythropoiesis in toxic lead anemia] Makotchenko VM. *Probi Gematoi Pereliv Krovi* 17:57-60, Nov 72 (Eng. Abstr.) (Rus)
- [Pathogenesis and treatment of vitiligo] Borisenko KK. *Vestn Dermatol Venerol* 47:11-6, May 73 (Eng. Abstr.) (Rus)
- [Study of the pathogenesis of juvenile uterine hemorrhages] Dobrotina AF, et al. *Vopr Okhr Materin Det* 18:74-8, Mar 73 (Eng. Abstr.) (Rus)
- [Functional state of the adrenal cortex in chronic gastritis with secretory insufficiency] Cherniavskaya GF. *Vrach Delo* 7:69-72, Jul 73 (Eng. Abstr.) (Rus)
- [Clinical adenohipophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E. *Rev Iber Endocrinol* 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

ADRENAL

11. Disorders of the Adrenal Glands

ADDISON'S DISEASE

COMPLICATIONS

Systemic lupus erythematosus with adrenal insufficiency. Eichner HL, et al.
Am J Med 55:700-5, Nov 73
[Multiglandular insufficiency syndrome. Hypoparathyroidism--Addison's disease--moniliasis] Mitschke H, et al.
Dtsch Med Wochenschr 98:1666-9, 7 Sep 73 (Eng. Abstr.) (Ger)
[Alpha 1-antitrypsin deficiency with liver disease and iron overload] Kroner T.
Schweiz Med Wochenschr 103:1192-5, 25 Aug 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

Editorial: Hidden adrenocortical insufficiency.
Br Med J 4:5-6, 6 Oct 73
Munchausen's syndrome featuring hemarthrosis. McMillen JL, et al. Pa Med 76:65-9, Nov 73

DRUG THERAPY

Systemic lupus erythematosus with adrenal insufficiency. Eichner HL, et al.
Am J Med 55:700-5, Nov 73
Addison's disease due to Histoplasma capsulatum. Rooyen RJ van, et al. S Afr Med J 47:1953-5, 20 Oct 73

ETIOLOGY

Addison's disease due to Histoplasma capsulatum. Rooyen RJ van, et al. S Afr Med J 47:1953-5, 20 Oct 73

FAMILIAL & GENETIC

Diffuse sclerosis and Addison's disease: histochemical studies on gray matter, white matter, and myelin. Eviatar L, et al. Biochem Med 8:268-79, Oct 73

HISTORY

R.F. Loeh. (Loeh RF), Br Med J 4:303, 3 Nov 73
Robert Frederick Loeh. (Loeh RF),
Lancet 2:1038, 3 Nov 73

METABOLISM

Diffuse sclerosis and Addison's disease: histochemical studies on gray matter, white matter, and myelin. Eviatar L, et al. Biochem Med 8:268-79, Oct 73

MICROBIOLOGY

Addison's disease due to Histoplasma capsulatum. Rooyen RJ van, et al. S Afr Med J 47:1953-5, 20 Oct 73

PATHOLOGY

Addison's disease due to Histoplasma capsulatum. Rooyen RJ van, et al. S Afr Med J 47:1953-5, 20 Oct 73
[Multiglandular insufficiency syndrome. Hypoparathyroidism--Addison's disease--moniliasis] Mitschke H, et al.
Dtsch Med Wochenschr 98:1666-9, 7 Sep 73 (Eng. Abstr.) (Ger)

SURGERY

[Adrenal gland transplantation--yesterday and today] Lie TS, et al. Med Welt 24:937-9, 1 Jun 73 (Ger)

ADENOMA, VIRILIZING

METABOLISM

17(OH) corticosteroid and estrogen excretion with

virilizing adrenal tumors. Danowski TS, et al.
Horm Res 4:34-42, 1973

PATHOLOGY

17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al.
Horm Res 4:34-42, 1973

ADRENAL CORTICAL REST TUMOR

An adrenal cortical rest within the fetal ovary: report of a case. Symonds DA, et al.
Am J Clin Pathol 60:562-4, Oct 73

PATHOLOGY

Primary hepatic tumors in infancy and childhood. Pollce L. Am J Clin Pathol 60:512-21, Oct 73
An adrenal cortical rest within the fetal ovary: report of a case. Symonds DA, et al.
Am J Clin Pathol 60:562-4, Oct 73

ADRENAL GLAND DISEASES

Adrenal involvement in cryptococcosis. Salyer WR, et al. Am J Clin Pathol 60:559-61, Oct 73
Letter: Pseudo-Beckwith-Wiedemann syndrome: Interaction with maternal diabetes. Gardner LI. Lancet 2:911-2, 20 Oct 73
[On the "Kerhen-Ohr" (Inherited slit-like indentations of ear-lohes) in the Exomphalos-Macroglossia-Gigantism Syndrome, on auricular fistulae and on the presence of analogous findings in other syndromes and in normal individuals (author's transl)] Wiedemann HR.
Z Kinderheilkd 115:95-110, 31 Aug 73 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Letter: Adrenal failure in bronchial asthma. Cooke NJ, et al. Br Med J 4:49, 6 Oct 73
Preventive effect of flavin adinine dinucleotide on induction of adrenal atrophy in rat by dexamethasone. Ono S, et al.
J Nutr Sci Vitamlnol (Tokyo) 19:287-8, 1973

COMPLICATIONS

The adrenal cortex in adreno-leukodystrophy. Powers JM, et al. Arch Pathol 96:305-10, Nov 73
[Current status of the treatment of Cushing syndromes in adults] Bricaire H, et al.
Acquis Med Recent 33:47, 1972 (Fre)
[Cushing's syndrome in childhood] Miletic D, et al. Monatsschr Kinderheilkd 121:413-4, Jul 73 (Ger)
[Research on the pathogenesis of hypertension in primary hyperaldosteronism] Distler A, et al. Minerva Med 64:3021-7, 18 Aug 73 (Ita)

CONGENITAL

Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al. Acta Paediatr Scand 62:513-9, Sep 73
Isolation of 20 alpha and 20 beta 5 beta-pregnane-3 alpha,17 alpha,20,21-tetrol (hexahydro-Relchstein's compound-S) in a case of congenital adrenal hyperplasia. Halperin G, et al. Steroids 22:581-8, Oct 73

DIAGNOSIS

[Diagnostic importance of free urinary corticoids in obesity and in disorders of adrenal cortex function] Köbberling J, et al.
Schweiz Med Wochenschr 103:1347-54, 29 Sep 73 (Ger)
[Androgen fractionation obtained by means of thin-layer chromatography in cases of adrenocortical

diseases] Baranowska B.
Pol Tyg Lek 28:1347-50, 27 Sep 73 (Eng. Abstr.) (Pol)
 [Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al.
Rev Iber Endocrinol 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al.
Acta Paediatr Scand 62:513-9, Sep 73
 Adrenal medullary exhaustion from tropical winds and its management. Sulman FG, et al.
Isr J Med Sci 9:1022-7, Aug 73

ENZYMOLGY

[Recent data concerning the corticosteroid hormones] Legrand JC, et al. *Acquis Med Recent* 21-32, 1972 (Fre)

ETIOLOGY

Adrenal medullary exhaustion from tropical winds and its management. Sulman FG, et al.
Isr J Med Sci 9:1022-7, Aug 73

METABOLISM

Isolation of 20 alpha and 20 beta 5 beta-pregnane-3 alpha,17 alpha,20,21-tetrol (hexahydro-Reichstein's compound-S) in a case of congenital adrenal hyperplasia. Halperin G, et al. *Steroids* 22:581-8, Oct 73

PATHOLOGY

The adrenal cortex in adreno-leukodystrophy. Powers JM, et al. *Arch Pathol* 96:305-10, Nov 73
 Visceral lesions in lepromatous leprosy. Study of sixty necropsies. Bernard JC, et al.
Int J Lepr 41:94-101, Jan-Mar 73
 Massive adrenal hemorrhage in the newborn: 2 surviving cases by surgical treatment. Nakamura J, et al. *J Urol* 110:467-9, Oct 73

PHYSIOPATHOLOGY

Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al.
Acta Paediatr Scand 62:513-9, Sep 73
 [Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al.
Rev Iber Endocrinol 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)
 [Clinical adenohipophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E.
Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

Preventive effect of flavin adinine dinucleotide on induction of adrenal atrophy in rat by dexamethasone. Ono S, et al.
J Nutr Sci Vitaminol (Tokyo) 19:287-8, 1973

RADIOGRAPHY

Massive adrenal hemorrhage in the newborn: 2 surviving cases by surgical treatment. Nakamura J, et al. *J Urol* 110:467-9, Oct 73

SURGERY

Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73
 Massive adrenal hemorrhage in the newborn: 2 surviving cases by surgical treatment. Nakamura J, et al. *J Urol* 110:467-9, Oct 73

URINE

Adrenal medullary exhaustion from tropical winds and its management. Sulman FG, et al.
Isr J Med Sci 9:1022-7, Aug 73

ADRENAL GLAND HYPERFUNCTION

BLOOD

The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia. Pham-Huu-Trung MT, et al.
Acta Endocrinol (Kbh) 74:316-30, Oct 73
 Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Bidlingmaier F, et al. *Pediatr Res* 7:901-7, Nov 73
 [Serum testosterone-interpretation of the test results] Ibayashi H, et al.
Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)

CHEMICALLY INDUCED

Chronic administration of cocaine: effects on defaecation and adrenal hypertrophy in the rat. Kirkby RJ, et al. *Neuropharmacology* 12:1001-3, Oct 73

CONGENITAL

Proceedings: Linear and skeletal growth in congenital adrenal hyperplasia. Balley CC.
Arch Dis Child 48:828, Oct 73
 Proceedings: Parameters for monitoring growth in children with congenital adrenal hyperplasia. Robinson A. *Arch Dis Child* 48:828, Oct 73
 Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Bidlingmaier F, et al. *Pediatr Res* 7:901-7, Nov 73
 [3 cases of congenital hyperplasia of the adrenal glands] Maherzi H, et al.
Tunis Med 50:421-8, Nov-Dec 72 (Fre)

DIAGNOSIS

Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al.
Cornell Vet 63:646-65, Oct 73
 [Genesis and prognostic significance of juvenile hypercorticism] Vasilukova EA, et al.
Vopr Okhr Materin Det 18:48-52, Jun 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia. Pham-Huu-Trung MT, et al.
Acta Endocrinol (Kbh) 74:316-30, Oct 73
 Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al.
Cornell Vet 63:646-65, Oct 73

ENZYMOLGY

The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia. Pham-Huu-Trung MT, et al.
Acta Endocrinol (Kbh) 74:316-30, Oct 73

ETIOLOGY

[Certain problems of surgical treatment of hormonally active tumors of the adrenal cortex] Komissarenko IV, et al. *Klin Khir* 1:41-5, Jan 73 (Rus)
 [Genesis and prognostic significance of juvenile hypercorticism] Vasilukova EA, et al.
Vopr Okhr Materin Det 18:48-52, Jun 73 (Eng. Abstr.) (Rus)

METABOLISM

Chronic administration of cocaine: effects on defaecation and adrenal hypertrophy in the rat. Kirkby RJ, et al. *Neuropharmacology* 12:1001-3, Oct 73

PATHOLOGY

Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al.
Cornell Vet 63:646-65, Oct 73
 Chronic administration of cocaine: effects on defaecation and adrenal hypertrophy in the rat. Kirkby RJ, et al. *Neuropharmacology* 12:1001-3, Oct 73

SURGERY

Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al.
Cornell Vet 63:646-65, Oct 73

VETERINARY

Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al.
Cornell Vet 63:646-65, Oct 73

ADRENAL GLAND HYPOFUNCTION

COMPLICATIONS

Letter: Hypotension in tetanus. Festein B.
Br Med J 3:635-6, 22 Sep 73
A mechanism for stress-susceptibility in swine. Marple DN, et al. J Anim Sci 37:546-50, Aug 73 (41 ref.)
Fasting hypoglycemia. Baruh S, et al.
Med Clin North Am 57:1441-62, Nov 73 (30 ref.)
Chronic mucocutaneous candidiasis: a clinical classification. Wells RS.
Proc R Soc Med 66:801-2, Aug 73

DIAGNOSIS

Editorial: Hidden adrenocortical insufficiency.
Br Med J 4:5-6, 6 Oct 73

ETIOLOGY

Letter: Adrenal failure in bronchial asthma. Dalglish J, et al. Br Med J 4:422-3, 17 Nov 73

PHYSIOPATHOLOGY

[Chronic adrenal insufficiency in rheumatism]
Nikolaichuk LV. Sov Med 35:133-4, Jun 72 (Rus)

VETERINARY

A mechanism for stress-susceptibility in swine. Marple DN, et al. J Anim Sci 37:546-50, Aug 73 (41 ref.)

ADRENAL GLAND NEOPLASMS

Phaeochromocytoma and pregnancy. Smith AM.
J Obstet Gynaecol Br Commonw 80:848-51, Sep 73
[Metastasizing in bladder carcinoma] Sulmon A, et al.
Helv Chir Acta 40:463-5, Sep 73 (Ger)
[On a case of active hormonal adrenal neoplasm] Jekell W, et al.
Pediatrics (Bucur) 22:55-62, Jan-Feb 73 (Eng. Abstr.) (Rum)

BLOOD

Radioimmunoassay of aldosterone in adrenal venous effluent in a case of Conn's syndrome. Frölich M, et al.
Clin Chim Acta 47:277-81, 30 Aug 73

CHEMICALLY INDUCED

Production of urinary bladder carcinomas in male hamsters by
N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide,
N-(4-(5-nitro-2-furyl)-2-thiazolyl)-acetamide, or
formic acid
2-(4-(5-nitro-2-furyl)-2-thiazolyl)hydrazide. Croft WA, et al. J Natl Cancer Inst 51:941-9, Sep 73

COMPLICATIONS

Evaluation of the hypertensive patient. Gifford RW Jr.
Chest 64:336-40, Sep 73
Primary hyperaldosteronism. Case presentation.
J Tenn Med Assoc 66:937-9, Oct 73
Fasting hypoglycemia. Baruh S, et al.
Med Clin North Am 57:1441-62, Nov 73 (30 ref.)
Cushing's syndrome and pregnancy. Grimes EM, et al.
Obstet Gynecol 42:550-9, Oct 73
Pheochromocytoma simulating toxemia of pregnancy.
Cleveland BR, et al. Tex Med 69:70-3, Sep 73
[Current status of the treatment of Cushing syndromes in adults] Briccalre H, et al.
Acquis Med Recent 33:47, 1972 (Fre)
[Adrenal cortex polymicroadenomatosis in Cushing's

syndrome] Huguenin A, et al.
Ann Endocrinol (Paris) 34:206-15, Mar-Apr 73 (Fre)
[Treatment of the hypertensive crisis] Perret C, et al.
Schweiz Med Wochenschr 103:1692-8, 24 Nov 73 (24 ref.) (Eng. Abstr.) (Fre)
[Conn's syndrome due to duplex adenoma of the adrenal glands. Surgical ablation and recovery]
Bertolissi F, et al.
Minerva Med 64:2945-9, 28 Jul 73 (Ita)
[Certain problems of surgical treatment of hormonally active tumors of the adrenal cortex] Komissarenko IV, et al. Klin Khir 1:41-5, Jan 73 (Rus)

DIAGNOSIS

Pheochromocytoma simulating toxemia of pregnancy.
Cleveland BR, et al. Tex Med 69:70-3, Sep 73
[Complementary examinations in the hypertensive patient] Muller AF.
Schweiz Med Wochenschr 103:1675-7, 24 Nov 73 (Eng. Abstr.) (Fre)
[Adrenal gland scanning with 131I-19-iodocholesterol (author's trans)] Tragl KH, et al.
Wien Klin Wochenschr 85:806-9, 7 Dec 73 (Eng. Abstr.) (Ger)
[Androgen fractionation obtained by means of thin-layer chromatography in cases of adrenocortical diseases] Baranowska B.
Pol Tyg Lek 28:1347-50, 27 Sep 73 (Eng. Abstr.) (Pol)
[Mixed tumor of the cortical layer of the adrenals] Alekseev BV, et al.
Khirurgiya (Mosk) 49:112-3, Mar 73 (Rus)

ENZYMOLGY

Stimulation of steroid secretion in adrenal tumor cells by choleragen. Wolff J, et al.
Proc Natl Acad Sci USA 70:2741-4, Oct 73

METABOLISM

Insulin and insulinlike activity in extracts of tumors associated with hypoglycemia. Ahhasi A, et al.
Diabetes 22:762-7, Oct 73
17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al.
Horm Res 4:34-42, 1973
Stimulation of steroid secretion in adrenal tumor cells by choleragen. Wolff J, et al.
Proc Natl Acad Sci USA 70:2741-4, Oct 73
Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al.
Steroids 22:337-50, Sep 73
Adrenocortical cells in rats bearing a corticosterone secreting tumor. Nickerson PA.
Virchows Arch [Zellpathol] 13:297-305, 21 Aug 73
[Symptoms and treatment of para-neoplastic endocrine diseases] Raith L.
Munch Med Wochenschr 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)

OCCURRENCE

Spontaneous tumors in Sprague-Dawley rats and Swiss mice. Prejean JD, et al. Cancer Res 33:2768-73, Nov 73
Predictive oncology. 2. Blerman HR.
Int Surg 58:763-7, Nov-Dec 73

PATHOLOGY

Carcinomatous optic neuropathy. Susac JO, et al.
Am J Ophthalmol 76:672-9, Nov 73
17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al.
Horm Res 4:34-42, 1973
Primary hyperaldosteronism. Case presentation.
J Tenn Med Assoc 66:937-9, Oct 73
Left upper quadrant pain. Campaigne RJ, et al.
Minn Med 56:897-8, Oct 73
Cushing's syndrome and pregnancy. Grimes EM, et al.
Obstet Gynecol 42:550-9, Oct 73
Adrenal hemangioma. Ruehel AA.
Urology 2:289-91, Sep 73
Adrenocortical cells in rats bearing a corticosterone secreting tumor. Nickerson PA.
Virchows Arch [Zellpathol] 13:297-305, 21 Aug 73
[Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al.
Ann Endocrinol (Paris) 34:206-15, Mar-Apr 73 (Fre)
[Ultrastructural study of the adrenal tumours in

ADRENAL GLAND

- Cushing's syndrome (author's transl)] Mitschke H, et al.
Virchows Arch [Pathol Anat] 360:253-64, 4 Sep 73 (Eng. Abstr.) (Ger)
 [Conn's syndrome due to duplex adenoma of the adrenal glands. Surgical ablation and recovery] Bertolissi F, et al.
Minerva Med 64:2945-9, 28 Jul 73 (Ita)

PHYSIOPATHOLOGY

- Common origin for all neuroendocrine tumors. Gammill SL, et al.
Acta Radiol [Ther] (Stockh) 12:321-6, Aug 73 (30 ref.)
 Circulating corticotrophin levels in severe hypopituitarism and in the neonate. Holdaway IM, et al.
Lancet 2:1170-1, 24 Nov 73
 Letter: Testosterone-secreting adrenal tumors. Burr IM. *N Engl J Med* 289:1373-4, 20 Dec 73
 [Certain problems of surgical treatment of hormonally active tumors of the adrenal cortex] Komissarenko IV, et al. *Klin Khir* 1:41-5, Jan 73 (Rus)

RADIOGRAPHY

- Adrenal hemangioma. Ruebel AA.
Urology 2:289-91, Sep 73
 [Vascular nephrotomography in renal tumors during intravenous urography] Girard J.
J Radiol Electrol Med Nucl 54:474-7, Jun-Jul 73 (Fre)
 [Angiography in kidney and adrenal gland neoplasms] Reschke H, et al. *Med Welt* 24:1148-9, 13 Jul 73 (Ger)

SURGERY

- Radiolimmunoassay of aldosterone in adrenal venous effluent in a case of Conn's syndrome. Frölich M, et al.
Clin Chim Acta 47:277-81, 30 Aug 73
 Pheochromocytoma and pregnancy. Smith AM.
J Obstet Gynaecol Br Commonw 80:848-51, Sep 73
 Hemodynamic characteristics of primary aldosteronism. Tarazi RC, et al.
N Engl J Med 289:1330-5, 20 Dec 73
 Cushing's syndrome and pregnancy. Grimes EM, et al.
Obstet Gynecol 42:550-9, Oct 73
 Adrenal hemangioma. Ruebel AA.
Urology 2:289-91, Sep 73
 [Experiences in the surgical treatment of Cushing's disease and Conn's syndrome] Rosdy E, et al.
Acta Chir Acad Sci Hung 14:183-93, 1973 (Ger)
 [Conn's syndrome due to duplex adenoma of the adrenal glands. Surgical ablation and recovery] Bertolissi F, et al.
Minerva Med 64:2945-9, 28 Jul 73 (Ita)
 [Certain problems of surgical treatment of hormonally active tumors of the adrenal cortex] Komissarenko IV, et al. *Klin Khir* 1:41-5, Jan 73 (Rus)

VETERINARY

- Spontaneous tumors in Sprague-Dawley rats and Swiss mice. Prejean JD, et al. *Cancer Res* 33:2768-73, Nov 73
 Age-related decline in response to phytohemagglutinin and pokeweed mitogen by spleen cells from hamsters and a long-lived mouse strain. Mathies M, et al.
J Gerontol 28:425-30, Oct 73

ADRENAL GLANDS

ABNORMALITIES

- Unconjugated estrogens in the perinatal period. Kenny FM, et al. *Pediatr Res* 7:826-31, Oct 73
 [A case of non-hypertensive chronic renal insufficiency of malformative origin (abdominal aortic hypoplasia, right renal and adrenal agenesis, left renal hypoplasia)] Tatò L, et al.
Minerva Pediatr 25:1219-21, Aug 73 (Ita)

INJURIES

- Adrenocortical function after major gastric surgery. Blichert-Toft M, et al. *Am J Surg* 126:595-7, Nov 73

ADRENOGENITAL SYNDROME

COMPLICATIONS

- Intersexual problems. Money J.
Clin Obstet Gynecol 16:169-91, Sep 73

ADRENAL

- [Pregnancy with adrenogenital syndrome causing working incapacity (author's transl)] Sládek M. *Cesk Gynecol* 38:525-6, Jul 73 (Cze)
 [Congenital adrenal cortex hyperplasia (AGS). Clinical courses following diagnostic and therapeutic omissions] Stolecke H, et al.
Monatsschr Kinderheilkd 121:409-10, Jul 73 (Ger)
 [Glant uterine myoma in a congenital adrenogenital syndrome] Sege D, et al.
Schweiz Med Wochenschr 103:1743-9, 8 Dec 73 (Eng. Abstr.) (Ger)

CONGENITAL

- [Glant uterine myoma in a congenital adrenogenital syndrome] Sege D, et al.
Schweiz Med Wochenschr 103:1743-9, 8 Dec 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

- [Congenital adrenal cortex hyperplasia (AGS). Clinical courses following diagnostic and therapeutic omissions] Stolecke H, et al.
Monatsschr Kinderheilkd 121:409-10, Jul 73 (Ger)
 [Glant uterine myoma in a congenital adrenogenital syndrome] Sege D, et al.
Schweiz Med Wochenschr 103:1743-9, 8 Dec 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

- Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al.
Acta Paediatr Scand 62:513-9, Sep 73
 [Hydrocortisone therapy of the AGS (adrenogenital syndrome)] Rager K, et al.
Monatsschr Kinderheilkd 121:411-2, Jul 73 (Ger)
 [Congenital adrenal cortex hyperplasia (AGS). Clinical courses following diagnostic and therapeutic omissions] Stolecke H, et al.
Monatsschr Kinderheilkd 121:409-10, Jul 73 (Ger)

ENZYMOLGY

- The physician and the biochemist. Hall PF.
Med J Aust 2:153-9, 28 Jul 73

FAMILIAL & GENETIC

- Intersexual problems. Money J.
Clin Obstet Gynecol 16:169-91, Sep 73

PHYSIOPATHOLOGY

- Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al.
Acta Paediatr Scand 62:513-9, Sep 73

CUSHING'S SYNDROME

BLOOD

- [Serum lipoprotein lipase activity in patients with Itsenko-Cushing syndrome] Stankusheva T.
Vutr Boles 12:75-9, 1973 (Eng. Abstr.) (Bul)
 [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al.
Ann Endocrinol (Paris) 34:206-15, Mar-Apr 73 (Fre)
 [The year in endocrinology] Albeaux-Fernet M, et al.
Annee Endocrinol 24:1-197, 1972 (9 ref.) (Fre)
 [Serum testosterone-interpretation of the test results] Ibayashi H, et al.
Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)
 [Rapid radiolimmunological method of determination of insulin in the blood] Eşanu C, et al.
Stud Cercet Endocrinol 24:435-45, 1973 (Rum)

CHEMICALLY INDUCED

- Periocular injection of steroids. Nozlk RA.
Trans Am Acad Ophthalmol Otolaryngol 76:695-705, May-Jun 72
 [Posteroid panniculitis (author's transl)] Mau G.
Klin Paediatr 185:222-4, May 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

- Evaluation of the hypertensive patient. Gifford RW Jr. *Chest* 64:336-40, Sep 73
- Some aspects of polyostotic fibrous dysplasia: possible hypothesis to account for the associated endocrinological changes. Warrick CK. *Clin Radiol* 24:125-38, Apr 73
- Teenage obesity. Heald FP, et al. *Pediatr Clin North Am* 20:807-17, Nov 73 (63 ref.)
- Calcitonin- and ACTH-producing cells in a case of medullary carcinoma of the thyroid. Immunofluorescence investigations. Bussolati G, et al. *Virchows Arch [Pathol Anat]* 360:123-7, 9 Aug 73
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)

DIAGNOSIS

- Cushing's syndrome: a prospective study of diagnostic methods. Eddy RL, et al. *Am J Med* 55:621-30, Nov 73
- Islet cell tumors: current concepts and management. Schein PS. *Ann Intern Med* 79:239-57, Aug 73
- Cushing's syndrome and pregnancy. Grimes EM, et al. *Obstet Gynecol* 42:550-9, Oct 73
- [The year in endocrinology] Albeaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)
- [Experiences in the surgical treatment of Cushing's disease and Conn's syndrome] Rosdy E, et al. *Acta Chir Acad Sci Hung* 14:183-93, 1973 (Ger)
- [Cushing's syndrome in childhood] Miletic D, et al. *Monatsschr Kinderheilkd* 121:413-4, Jul 73 (Ger)
- [Clinical aspects and treatment of pubertal-adolescent dyspituitarism] Egart FM, et al. *Klin Med (Mosk)* 51:117-23, Aug 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

- Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome. Schmitt KW, et al. *Clin Chem* 19:1067-8, Sep 73
- Cushing's syndrome and pregnancy. Grimes EM, et al. *Obstet Gynecol* 42:550-9, Oct 73
- [Current status of the treatment of Cushing syndromes in adults] Bricalre H, et al. *Acquis Med Recent* 33-47, 1972 (Fre)
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)

ENZYMOLGY

- [Serum lipoprotein lipase activity in patients with Itsenko-Cushing syndrome] Stankusheva T. *Vutr Boles* 12:75-9, 1973 (Eng. Abstr.) (Bul)

ETIOLOGY

- Cushing's syndrome caused by recurrent malignant bronchial carcinoid. Case report with 12 years' observation. Isawa T, et al. *Am Rev Respir Dis* 108:1200-4, Nov 73
- [Current status of the treatment of Cushing syndromes in adults] Bricalre H, et al. *Acquis Med Recent* 33-47, 1972 (Fre)
- [Cushing's syndrome in childhood] Miletic D, et al. *Monatsschr Kinderheilkd* 121:413-4, Jul 73 (Ger)

PATHOLOGY

- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)
- [Ultrastructural study of the adrenal tumours in Cushing's syndrome (author's trans)] Mitschke H, et al. *Virchows Arch [Pathol Anat]* 360:253-64, 4 Sep 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Influence of glucocorticoids on glucagon secretion and plasma amino acid concentrations in man. Wise JK, et al. *J Clin Invest* 52:2774-82, Nov 73
- [Indices of the functional state of the thyroid gland in Itsenko-Cushing's disease] Shtegeman NA, et al. *Sov Med* 35:79-82, Jun 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

- Cushing's syndrome and pregnancy. Grimes EM, et al. *Obstet Gynecol* 42:550-9, Oct 73

SURGERY

- Cushing's syndrome and pregnancy. Grimes EM, et al. *Obstet Gynecol* 42:550-9, Oct 73
- [Current status of the treatment of Cushing syndromes in adults] Bricalre H, et al. *Acquis Med Recent* 33-47, 1972 (Fre)
- [Experiences in the surgical treatment of Cushing's disease and Conn's syndrome] Rosdy E, et al. *Acta Chir Acad Sci Hung* 14:183-93, 1973 (Ger)
- [Adrenal gland transplantation--yesterday and today] Lie TS, et al. *Med Welt* 24:937-9, 1 Jun 73 (Ger)
- [Cushing's syndrome in childhood] Miletic D, et al. *Monatsschr Kinderheilkd* 121:413-4, Jul 73 (Ger)
- [Pathological aspects of adrenalectomy in hypothalamic-pituitary Cushing's syndrome (author's trans)] Kracht J, et al. *Verh Dtsch Ges Kreislaufforsch* 56:376-81, 1972 (Eng. Abstr.) (Ger)

THERAPY

- The management of Cushing's syndrome. Munro DS, et al. *Nurs Mirror* 137:12-5, 21 Sep 73
- [Current status of the treatment of Cushing syndromes in adults] Bricalre H, et al. *Acquis Med Recent* 33-47, 1972 (Fre)
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)

URINE

- Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome. Schmitt KW, et al. *Clin Chem* 19:1067-8, Sep 73
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)
- [The year in endocrinology] Albeaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)

HYPERALDOSTERONISM

BLOOD

- Radioimmunoassay of aldosterone in adrenal venous effluent in a case of Conn's syndrome. Frölich M, et al. *Clin Chim Acta* 47:277-81, 30 Aug 73
- Primary aldosteronism: observations on water and electrolyte changes during partial immersion. Crane MG, et al. *J Clin Endocrinol Metab* 37:790-6, Nov 73
- Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. Ganguly A, et al. *J Clin Endocrinol Metab* 37:765-75, Nov 73
- Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al. *N Engl J Med* 289:1022-4, 8 Nov 73
- [Plasma renin activity in primary hyperaldosteronism] Németh M, et al. *Orv Hetil* 114:2469-72, 14 Oct 73 (Hun)

COMPLICATIONS

- Bartter's syndrome and erythrocytosis. Erkelens DW, et al. *Am J Med* 55:711-9, Nov 73
- Vasoconstriction-volume analysis for understanding and treating hypertension: the use of renin and aldosterone profiles. Laragh JH. *Am J Med* 55:261-74, Sep 73
- Evaluation of the hypertensive patient. Gifford RW Jr. *Chest* 64:336-40, Sep 73
- Clinical significance of plasma renin activity. Hollifield JW. *J Tenn Med Assoc* 66:947-8, Oct 73
- Hypokalemia and hyperkalemia. Lowenstein J. *Med Clin North Am* 57:1435-9, Nov 73 (14 ref.)
- [Research on the pathogenesis of hypertension in primary hyperaldosteronism] Distler A, et al. *Minerva Med* 64:3021-7, 18 Aug 73 (Ita)

DIAGNOSIS

- Letter: mineralocorticoids and rectal potential difference. Richards P. *Lancet* 2:798-9, 6 Oct 73
- [New methods of clinical exploration of aldosterone

- metabolism] Corvol P, et al.
Acquis Med Recent 183:91, 1972 (Fre)
 [Complementary examinations in the hypertensive patient] Muller AF.
Schweiz Med Wochenschr 103:1675-7, 24 Nov 73 (Eng. Abstr.) (Fre)
 [Experiences in the surgical treatment of Cushing's disease and Conn's syndrome] Rosdy E, et al.
Acta Chir Acad Sci Hung 14:183-93, 1973 (Ger)

DRUG THERAPY

- Primary hyperaldosteronism. Case presentation.
J Tenn Med Assoc 66:937-9, Oct 73
 Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al.
N Engl J Med 289:1022-4, 8 Nov 73

ETIOLOGY

- Primary hyperaldosteronism. Case presentation.
J Tenn Med Assoc 66:937-9, Oct 73
 [Conn's syndrome due to duplex adenoma of the adrenal glands. Surgical ablation and recovery] Bertollssi F, et al.
Minerva Med 64:2945-9, 28 Jul 73 (Ita)

METABOLISM

- Primary aldosteronism: observations on water and electrolyte changes during partial immersion. Crane MG, et al. *J Clin Endocrinol Metab* 37:790-6, Nov 73
 Editorial: Sodium and the pressor role of angiotensin. *Lancet* 2:1065-6, 10 Nov 73

PATHOLOGY

- Primary hyperaldosteronism. Case presentation.
J Tenn Med Assoc 66:937-9, Oct 73
 [Conn's syndrome due to duplex adenoma of the adrenal glands. Surgical ablation and recovery] Bertollssi F, et al.
Minerva Med 64:2945-9, 28 Jul 73 (Ita)

PHYSIOPATHOLOGY

- Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al.
N Engl J Med 289:1022-4, 8 Nov 73

- Hemodynamic characteristics of primary aldosteronism. Tarazi RC, et al.
N Engl J Med 289:1330-5, 20 Dec 73
 [Clinical physiopathology of certain forms of secondary arterial hypertension] Veyrat R.
Schweiz Med Wochenschr 103:1653-62, 24 Nov 73 (27 ref.) (Eng. Abstr.) (Fre)

SURGERY

- Surgically correctable hypertension. Diagnosis and treatment. Morton JR, et al.
J Maine Med Assoc 64:196-200 passim, Sep 73
 Hemodynamic characteristics of primary aldosteronism. Tarazi RC, et al.
N Engl J Med 289:1330-5, 20 Dec 73
 [Experiences in the surgical treatment of Cushing's disease and Conn's syndrome] Rosdy E, et al.
Acta Chir Acad Sci Hung 14:183-93, 1973 (Ger)
 [Conn's syndrome due to duplex adenoma of the adrenal glands. Surgical ablation and recovery] Bertollssi F, et al.
Minerva Med 64:2945-9, 28 Jul 73 (Ita)

URINE

- Primary aldosteronism: observations on water and electrolyte changes during partial immersion. Crane MG, et al. *J Clin Endocrinol Metab* 37:790-6, Nov 73
 Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al.
N Engl J Med 289:1022-4, 8 Nov 73

WATERHOUSE-FRIDERICHSEN SYNDROME

BLOOD

- [The dynamics of electrolytes (potassium, sodium and calcium) in the blood of patients with meningococcal infections] Karapetian RG, et al.
Zh Nevropatol Psikhiatr 73:175-7, 1973 (Eng. Abstr.) (Rus)

ADRENAL

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

ADRENAL CORTEX HORMONES

[Recent data concerning the corticosteroid hormones] Legrand JC, et al. *Acquis Med Recent* 21:32, 1972 (Fre)
[Corticoid and ACTH therapy of neurologic diseases] Hallen O. *Med Welt* 24:951-4, 8 Jun 73 (Ger)

ADMINISTRATION & DOSAGE

Psychopathology in systemic lupus erythematosus. II. Relation to clinical observations, corticosteroid administration, and cerebrospinal fluid C4. Baker M, et al. *Semin Arthritis Rheum* 3:111-26, 1973
[Inhalation therapy (author's transl)] Bopp KP. *Munch Med Wochenschr* 115:1453-6, 24 Aug 73 (Eng. Abstr.) (Ger)
[Therapy of plasmacytoma] Fateh-Moghadam A. *Munch Med Wochenschr* 115:861-4, 4 May 73 (Eng. Abstr.) (Ger)
[Therapy of acne-like skin diseases using a corticoid-containing special preparation] Schmidt R. *Munch Med Wochenschr* 115:1569-70, 14 Sep 73 (Ger)
[Pustulosis palmaris et plantaris as a therapeutic problem] Seferowicz E, et al. *Przegl Dermatol* 60:391-6, May-Jun 73 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

An autopsy case of pemphigus vulgaris complicating a fatal strongyloidiasis. Takagi M, et al. *Acta Pathol Jap* 23:173-81, Feb 73
Disseminated strongyloidiasis with cerebral involvement. A complication of corticosteroid therapy. Neefe LI, et al. *Am J Med* 55:832-8, Dec 73
Systemic candidiasis-symptomatology and cause. Weber G, et al. *Australas J Dermatol* 14:11-20, Apr 73
Editorial: Extra-articular lesions of rheumatoid arthritis. *Br Med J* 3:651, 29 Sep 73
Total hip joint replacement in osteoarthritis and polyarthritis. A statistical study of the results. Freeman PA, et al. *Clin Orthop* 95:224-30, Sep 73
Electron microscopic studies on the trabecular meshwork in two cases of corticosteroid-glaucoma. Rohen JW, et al. *Exp Eye Res* 17:19-31, 10 Oct 73
Chronic hepatitis B antigen disease. Sherlock S. *J R Coll Physicians Lond* 8:24-30, Oct 73 (19 ref.)
Correction of corticosteroid-induced defects of polymorphonuclear neutrophil function by ascorbic acid. Chretien JH, et al. *J Reticuloendothel Soc* 14:280-6, Sep 73
Psychopathology in systemic lupus erythematosus. II. Relation to clinical observations, corticosteroid administration, and cerebrospinal fluid C4. Baker M, et al. *Semin Arthritis Rheum* 3:111-26, 1973
[Corticoid and ACTH therapy of neurologic diseases] Hallen O. *Med Welt* 24:951-4, 8 Jun 73 (Ger)
[Corticoid-induced psychovegetative disorders and their therapy using Sinquan] Ewert EG. *Ther Ggw* 112:1152-4 passim, Jul 73 (Ger)

ANALYSIS

Trimethyl silyl ether-enol-trimethyl silyl ether--a new type of derivative for the gas phase study of hormonal steroids. Chambaz EM, et al. *Anal Chem* 46:1090-8, Jun 73
Diurnal variations in excretion of corticosteroid metabolites in bile from male and female rats. Begue RJ, et al. *J Steroid Biochem* 4:393-400, Jul 73

ANTAGONISTS & INHIBITORS

Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. *J Steroid Biochem* 4:341-7, Jul 73
Drugs and depression of lymphocyte blastogenesis in children. Trials with phenibutazone, Thiamphenicol, sulfamethopryazine, diazepam and the antilastic platinum diammine dichloride. Burgio GR, et al. *Z Kinderheilkd* 115:131-9, 31 Aug 73

BIOSYNTHESIS

Comparison of the effects of adrenocorticotrophic hormone on the steroidogenic activity and ultrastructure of adrenal cortex. Kuo TH, et al. *J Biol Chem* 248:6679-83, 10 Oct 73
Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al. *J Endocrinol* 59:43-55, Oct 73
The traditional oriental medicine and acupuncture therapy. Toyama PM, et al. *J Miss State Med Assoc* 14:488-95, Nov 73 (101 ref.)
The physician and the biochemist. Hall PF. *Med J Aust* 2:153-9, 28 Jul 73
[Recent data concerning the corticosteroid hormones] Legrand JC, et al. *Acquis Med Recent* 21:32, 1972 (Fre)
[Effect of o,p'-DDD on biosynthesis of corticosteroids in the adrenal tissue in vitro] Kravchenko VI. *Probl Endocrinol (Mosk)* 19:76-9, Sep-Oct 73 (Eng. Abstr.) (Rus)

BLOOD

Editorial: Sleep and metabolism. *Br Med J* 3:650, 29 Sep 73
Editorial: Hidden adrenocortical insufficiency. *Br Med J* 4:5-6, 6 Oct 73
Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin on the immune system of laboratory animals. Vos JG, et al. *Environ Health Perspect* 5:149-62, Sep 73
Electric stimulation of the olfactory mucosa: a new test for the study of the hypothalamic functionality. Orlandi F, et al. *Horm Res* 4:141-52, 1973
Changes in concentration of prolactin and adrenal corticosteroids in rat plasma during pregnancy and lactation. Simpson AA, et al. *J Endocrinol* 58:675-6, Sep 73
Relationships between some psychological assessments, body-build, and physiological stress responses. Bridges PK, et al. *J Neurol Neurosurg Psychiatry* 36:839-45, Oct 73
Effect of feeding chlorpromazine, metyrapone and pargyline to chicks on plasma corticoid levels and the effect of stress on their relationship to body weight. Buckland RB, et al. *Poult Sci* 52:1215-7, May 73
Methods of assessing patients for psychosurgery and their outcome after operation. Bridges PK. *Psychiatr Neurol Neurochir* 76:335-44, Sep-Oct 73

CHEMICAL SYNTHESIS

Synthesis of 21-3H-corticosteroids. Willingham AK, et al. *Steroids* 22:539-46, Oct 73

METABOLISM

Circadian rhythms of drug effectiveness and toxicity. Ede MC. *Clin Pharmacol Ther* 14:925-35, Nov-Dec 73 (77 ref.)
Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. Murthy AS, et al. *Horm Res* 4:219-23, 1973
Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73
Diurnal variations in excretion of corticosteroid metabolites in bile from male and female rats. Begue RJ, et al. *J Steroid Biochem* 4:393-400, Jul 73
Dam, reservoir of filter. Vickers CF. *Trans St Johns Hosp Dermatol Soc* 59:10-29, 1973 (44 ref.)

PHARMACODYNAMICS

Plasma hippuryl-L-lysine hydrolase in tourniquet shock. Nakahara M. *Experientia* 29:999-1000, 15 Aug 73
Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. *J Steroid Biochem* 4:341-7, Jul 73
A study on the intracellular digestion metabolism of

- granulocytes from children. Miyata H.
Med J Osaka Univ 23:153-77, Dec 72
- Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al.
Steroids 22:337-50, Sep 73
- Symposium: microsurgery of the outflow channels. Clinical research. Becker B, et al.
Trans Am Acad Ophthalmol Otolaryngol 76:405-10, Mar-Apr 72
- [Recent data concerning the corticosteroid hormones] Legrand JC, et al. *Acquis Med Recent* 21-32, 1972 (Fre)
- [Hematopoietic tissue in the fetal rat liver at the end of pregnancy. V. Level of action of corticosteroids] Nagel J, et al.
Arch Anat Microsc Morphol Exp 61:313-24, Jul-Sep 72 (Eng. Abstr.) (Fre)
- [Clinical analysis of 59 cases of septicemia] Mierzejewska I, et al.
Wiad Lek 26:1611-5, 1 Sep 73 (Eng. Abstr.) (Pol)

PHYSIOLOGY

- Control of fetal lung development in the rabbit. Chlswick ML, et al. *Arch Dis Child* 48:709-13, Sep 73
- Role of adrenal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). Silver R, et al.
J Comp Physiol Psychol 84:453-63, Sep 73
- Periodicity of susceptibility to pneumococcal infection: Influence of light and adrenocortical secretions. Shackelford PG, et al.
Science 182:285-7, 19 Oct 73
- Adaptations of the digestive tract during reproduction in the mammal. Fell BF.
World Rev Nutr Diet 14:180-256, 1972 (388 ref.)
- [Recent data concerning the corticosteroid hormones] Legrand JC, et al. *Acquis Med Recent* 21-32, 1972 (Fre)
- [Hematopoietic tissue in the fetal rat liver at the end of pregnancy. V. Level of action of corticosteroids] Nagel J, et al.
Arch Anat Microsc Morphol Exp 61:313-24, Jul-Sep 72 (Eng. Abstr.) (Fre)

SECRETION

- Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al.
Acta Endocrinol (Kbh) 73:651-9, Aug 73
- Clinical conference: Essential hypertension: new concepts about mechanisms.
Ann Intern Med 79:411-24, Sep 73
- Endocrine spotlights on brain and behaviour. Cleghorn JM. *Can Psychiatr Assoc J* 18:449-51, Oct 73
- Quantitative relations of fetal and maternal pituitary-adrenal systems. Jackson BT, et al.
J Clin Invest 52:3154-60, Dec 73
- Circulating corticotrophin levels in severe hypopituitarism and in the neonate. Holdaway IM, et al. *Lancet* 2:1170-1, 24 Nov 73
- [Certain problems of surgical treatment of hormonally active tumors of the adrenal cortex] Komissarenko IV, et al. *Klin Khir* 1:41-5, Jan 73 (Rus)

THERAPEUTIC USE

- An autopsy case of pemphigus vulgaris complicating a fatal strongyloidiasis. Takagi M, et al.
Acta Pathol Jap 23:173-81, Feb 73
- Systemic lupus erythematosus with adrenal insufficiency. Elchner HL, et al.
Am J Med 55:700-5, Nov 73
- Factors affecting survival in nocardiosis. Presant CA, et al. *Am Rev Respir Dis* 108:1444-8, Dec 73
- Hepatic granulomatosis and sarcoidosis. Israel HL, et al. *Ann Intern Med* 79:669-78, Nov 73
- Editorial: Alcoholic hepatitis and corticosteroids. Leevy CM, et al. *Ann Intern Med* 79:739-40, Nov 73
- Hyperplastic rhinosinusitis. A twenty year review. Davison FW.
Ann Otol Rhinol Laryngol 82:703-8, Sep-Oct 73
- Beclomethasone dipropionate aerosol in childhood asthma. Dickson W, et al.
Arch Dis Child 48:671-5, Sep 73
- Beclomethasone aerosol in childhood asthma. Godfrey S, et al. *Arch Dis Child* 48:665-70, Sep 73
- Letter: Amyloidosis in rheumatoid disease. Jennings GH. *Br Med J* 4:173, 20 Oct 73
- Editorial: Corticosteroids in asthma. Dwyer JM.
Drugs 6:81-3, 1973
- The treatment of asthma. Pain MC. *Drugs* 6:118-26, 1973
- Acute rupture of the heart after blunt trauma: report

- of a successful operation. Geiran O, et al.
Injury 5:54-8, Aug 73
- Serum IgE in patients with minimal-change nephrotic syndrome. Groshong T, et al.
J Pediatr 83:767-71, Nov 73
- Chronic hepatitis B antigen disease. Sherlock S. *J R Coll Physicians Lond* 8:24-30, Oct 73 (19 ref.)
- Correction of corticosteroid-induced defects of polymorphonuclear neutrophil function by ascorbic acid. Chretien JH, et al.
J Reticuloendothel Soc 14:280-6, Sep 73
- The treatment of acute bronchial asthma in the adult. Banov CH. *J SC Med Assoc* 69:424-6, Nov 73
- Treatment of chronic bronchial asthma in the adult. Banov CH. *J SC Med Assoc* 69:426-31, Nov 73
- Thrombotic thrombocytopenic purpura. A ten-year survey. Goldenfarb PB, et al. *JAMA* 226:644-7, 5 Nov 73
- Thyrototoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)
- Drug therapy. Immunosuppressive agents. I. Kaplan SR, et al. *N Engl J Med* 289:952-5, 1 Nov 73 (11 ref.)
- Usefulness of serum lysozyme measurement in diagnosis and evaluation of sarcoidosis. Pascual RS, et al. *N Engl J Med* 289:1074-6, 15 Nov 73
- Quartan malarial nephrotic syndrome. White RH. *Nephron* 11:147-62, 1973
- Editorial: Sarcoidosis. *NZ Med J* 78:77, 25 Jul 73
- Inflammatory bowel disease in the adolescent patient. Daum F, et al.
Pediatr Clin North Am 20:933-44, Nov 73 (18 ref.)
- Acne vulgaris. Reisner RM.
Pediatr Clin North Am 20:851-64, Nov 73 (27 ref.)
- Sarcoidosis of the nose. Black JL.
Proc R Soc Med 66:669-75, Jul 73
- Peculiar forms of monoclonal gammopathies. Berceanu S, et al. *Rev Roum Med Intern* 10:249-52, 1973
- Reflex dystrophy (algoneurodystrophy): results of treatment by corticosteroids. Glick EN.
Rheumatol Phys Med 12:84-8, May 73
- Treatment of septicemic shock in gynaecology and obstetrics. Mokgokong ET.
S Afr Med J 47:2013-6, 27 Oct 73
- Farmer's lung disease. Blyth W.
Soc Appl Bacteriol Symp Ser 2:261-76, Jan 73 (76 ref.)
- [Therapy of tularemia] Cerný Z.
Vnitř Lek 19:836-40, Sep 73 (Eng. Abstr.) (Cze)
- [Clinical analytical study of 28 cases of disseminated lupus erythematosus] Hendrix R.
Acta Clin Belg 28:69-91, 1973 (Eng. Abstr.) (Dut)
- [A case of Lambert-Eaton syndrome due to a laryngeal epithelioma] Fontanel JP, et al.
Ann Otolaryngol Chir Cervicofac 90:314-7, Apr-May 73 (Fre)
- [Thrombolytic urokinase treatment of very severe pulmonary embolism. Apropos of 6 cases] Brochier M, et al.
Sem Hop Paris 49:1825-36, 26 May 73 (Eng. Abstr.) (Fre)
- [Determination of plasma renin activity in edematous cirrhosis. Influence of various depletive treatments] Cottin S, et al.
Sem Hop Paris 49:1357-63, 20 Apr 73 (Fre)
- [Lupic polyarthritides with gangrene of the fingers due to arterial thrombosis. A case with arteriographic and anatomical study] Lemaire V, et al.
Sem Hop Paris 49:1375-8, 20 Apr 73 (Fre)
- [Therapy and prevention of epidemic keratoconjunctivitis] Müller-Jensen K.
Ber Dtsch Ophthalmol Ges 71:270-3, 1972 (Ger)
- [Drug therapy of corneal herpes simplex] Neubauer H.
Ber Dtsch Ophthalmol Ges 71:273-8, 1972 (Ger)
- [Clinical experience with a new vasoconstrictive agent in diseases of the fundus (author's transl)] Feilner R, et al.
Klin Monatsbl Augenheilkd 162:811-7, Jun 73 (Eng. Abstr.) (Ger)
- [Treatment of myeloproliferative diseases] Burkhardt R.
Munch Med Wochenschr 115:878-91, 11 May 73 (Eng. Abstr.) (Ger)
- [Therapy of plasmacytoma] Fateh-Moghadam A.
Munch Med Wochenschr 115:861-4, 4 May 73 (Eng. Abstr.) (Ger)
- [Therapy of acne-like skin diseases using a corticoid-containing special preparation] Schmidt R.
Munch Med Wochenschr 115:1569-70, 14 Sep 73 (Ger)
- [Treatment of scleroderma] Wüthrich B.
Praxis 62:1149-55, 18 Sep 73 (Ger)
- [Symptomatic acute autoimmune haemolytic anaemia with incomplete thermo-auto-antibodies in acute

- hepatitis (author's transl)] Wagner K, et al.
Wien Klin Wochenschr 85:584-6, 17 Aug 73 (Eng. Abstr.) (Ger)
- [Esophageal erosions in children] Biesin A, et al.
Zentralbl Chir 98:1009-12, 13 Jul 73 (Ger)
- [Treatment of rheumatoid arthritis with immunosuppressive agents] Inzoli MR, et al.
Minerva Med 64:2987-91, 4 Aug 73 (Ita)
- [Therapy of polyneuritis] Kaeser HE.
Minerva Med 64:3046-8, 18 Aug 73 (Ita)
- [Clinical research on a biological preparation with stimulating effect on the adrenocortical secretion] Mascaretti L. *Minerva Med* 64:2365-70, 1973 (Ita)
- [Immunosuppressive agents in treatment of inflammation of the connective tissue] Schiavetti L, et al. *Minerva Med* 64:2983-6, 4 Aug 73 (Ita)
- [Immunosuppressive treatment in neurological disorders] Aarli JA.
Tidsskr Nor Laegeforen 93:1395-7, 30 Jun 73 (Eng. Abstr.) (Nor)
- [Pustulosis palmaris et plantaris as a therapeutic problem] Seferowicz E, et al.
Przegl Dermatol 60:391-6, May-Jun 73 (Eng. Abstr.) (Pol)
- [Subacute nonpurulent thyroiditis (de Quervain's disease) (author's transl)] Kędracki A, et al.
Przegl Lek 30:690-2, 1973 (Pol)
- [Clinical course and prognosis in pemphigus in connection with pemphigus antihodies titer (author's transl)] Pelsert E.
Przegl Lek 30:583-6, 1973 (Eng. Abstr.) (Pol)
- [Use of immunosuppressive drugs in bronchial asthma (author's transl)] Szulczyńska K.
Przegl Lek 30:578-82, 1973 (Eng. Abstr.) (Pol)
- [Action of corticoid therapy on the dimensions of the tuberculin reaction] Sibila S, et al.
Fiziologia 22:523-8, Sep-Oct 73 (Eng. Abstr.) (Rum)
- [Diffuse intrapulmonary coagulation, a rare cause of death in acute tuberculous pleurisy] Turcu E, et al.
Fiziologia 22:539-44, Sep-Oct 73 (Eng. Abstr.) (Rum)
- [Changes in renal function during corticosteroid therapy of glomerulonephritis] Plutto IA.
Klin Med (Mosk) 51:44-8, Aug 73 (Rus)
- [Therapy in systemic lupus erythematosus in children] Ermakova TM. *Pediatrila* 52:24-6, Jun 73 (Rus)
- [Clinical morphological parallels in the exudative form of psoriasis complicated by erythroderma and treated with corticosteroids] Vedrova IN, et al.
Vestn Dermatol Venerol 47:54-7, May 73 (Eng. Abstr.) (Rus)
- [Characteristics of the manifestations and treatment of shock in patients with open cranio-cerebral trauma] Biriuchkov IuV.
Vopr Neirokhir 37:16-20, May-Jun 73 (Eng. Abstr.) (Rus)
- [Functional state of the adrenal cortex in chronic gastritis with secretory insufficiency] Cherniavskaja GF. *Vrach Delo* 7:69-72, Jul 73 (Eng. Abstr.) (Rus)

URINE

- Relationships between some psychological assessments, body-build, and physiological stress responses. Bridges PK, et al.
J Neurol Neurosurg Psychiatry 36:839-45, Oct 73
- Base-catalyzed silylation. A quantitative procedure for the gas chromatographic-mass spectrometric analysis of neutral steroids. Nicolsa SZ, et al.
J Steroid Biochem 4:417-25, Jul 73
- [The year in endocrinology] Albeaux-Fernet M, et al.
Annec Endocrinol 24:1-197, 1972 (9 ref.) (Fre)

ALDOSTERONE

ADMINISTRATION & DOSAGE

- Altered ion transport in vascular smooth muscle from spontaneously hypertensive rats. Influences of aldosterone, norepinephrine, and angiotensin. Jones AW. *Circ Res* 33:563-72, Nov 73

ANALYSIS

- [New methods of clinical exploration of aldosterone metabolism] Corvol P, et al.
Aequil Med Recent 183-91, 1972. (Fre)

ANTAGONISTS & INHIBITORS

- New aspects of the effects of aldosterone antagonists

- on respiration and pulmonary circulation in chronic cor pulmonale. Huettemann U, et al.
Bull Physiother Resplr (Nancy) 9:702-8, May-Jun 73
- Hyponatremic syndromes. Taclosh LT, et al.
Med Clin North Am 57:1425-33, Nov 73 (31 ref.)
- Extrarenal effects of aldosterone antagonists in guinea pigs. I. Enhanced transport of potassium into the cells. Mattern HR, et al.
Naunyn Schmiedeberg Arch Pharmacol 279:1-8, 24 Aug 73
- Extrarenal actions of aldosterone antagonists in guinea pigs. II. Reduction of the toxicity of beta-methyl-digoxin. Schaumann W, et al.
Naunyn Schmiedeberg Arch Pharmacol 279:9-18, 24 Aug 73
- [Determination of plasma renin activity in edematous cirrhosis. Influence of various depletive treatments] Cottin S, et al.
Sem Hop Paris 49:1357-63, 20 Apr 73 (Fre)
- [Therapy of heart insufficiency using aldosterone antagonists] Krauss J.
Z Allgemeinmed 49:989-91, 31 Jul 73 (Ger)
- [Treatment of arterial hypertension. Clinico-therapeutical aspects of a new association: potassium canrenoate of altizide-rescinnamine] Restivo O, et al.
Minerva Cardioangiol 21:585-604, Sep 73 (Eng. Abstr.) (Ita)

BIOSYNTHESIS

- Effect of ACTH on biosynthesis of aldosterone and corticosterone by monolayer cultures of rat adrenal zona glomerulosa cells. Hornshy PJ, et al.
Biochem Biophys Res Commun 54:1554-9, 15 Oct 73
- Aldosterone biosynthesis from 4-14C-pregnenolone and 4-14C-progesterone, in the rat and rabbit. Slaga TJ, et al. *Proc Soc Exp Biol Med* 143:1201-6, Sep 73

BLOOD

- "In vivo radiolimmunoassay" of aldosterone. Vecsel P, et al. *Acta Endocrinol (Kbh)* 74:307-15, Oct 73
- Vasoconstriction-volume analysis for understanding and treating hypertension: the use of renin and aldosterone profiles. Laragh JH.
Am J Med 55:261-74, Sep 73
- The physiology of renin secretion in essential hypertension. Estimation of renin secretion rate and renal plasma flow from peripheral and renal vein renin levels. Sealey JE, et al.
Am J Med 55:391-401, Sep 73
- Increased aldosterone secretion during sodium depletion with inhibition of renin release. Blair-West Jr, et al. *Am J Physiol* 224:1409-14, Jun 73
- Clinical conference: Essential hypertension: new concepts about mechanisms.
Ann Intern Med 79:411-24, Sep 73
- Relative influence of acute sodium and volume depletion on aldosterone secretion in nephrectomized man. McCaa RE, et al. *Circ Res* 33:555-62, Nov 73
- Influence of acute stimuli on plasma aldosterone concentration in anephric man and kidney allograft recipients. McCaa RE, et al. *Circ Res* 33:313-22, Sep 73
- Radiolimmunoassay of aldosterone in adrenal venous effluent in a case of Conn's syndrome. Fröllich M, et al.
Clin Chim Acta 47:277-81, 30 Aug 73
- Quantitative determination of corticosteroids from plasma by high-pressure liquid chromatography. Wortmann W, et al. *J Chromatogr* 84:396-401, 26 Sep 73
- Primary aldosteronism: observations on water and electrolyte changes during partial immersion. Crane MG, et al. *J Clin Endocrinol Metab* 37:790-6, Nov 73
- Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. Ganguly A, et al.
J Clin Endocrinol Metab 37:765-75, Nov 73
- Modulation of plasma aldosterone concentration by plasma potassium in anephric man in the absence of a change in potassium balance. Cooke CR, et al.
J Clin Invest 52:3028-32, Dec 73
- Renal function and serum aldosterone levels in infants with respiratory distress syndrome. Siegel SR, et al.
J Pediatr 83:854-8, Nov 73
- Dynamic studies of aldosterone in anephric man. Weldmann P, et al. *Kidney Int* 4:289-98, Oct 73
- Studies on the metabolism of aldosterone in chronic renal failure and anephric man. Williams GH, et al. *Kidney Int* 4:280-8, Oct 73
- [New methods of clinical exploration of aldosterone

ALDOSTERONE

ADRENAL

- metabolism] Corvol P, et al.
Acquis Med Recent 183-91, 1972 (Fre)
 [Serum and dialysate levels of corticosteroids in long-term haemodialysis (author's transl)] Asbach HW, et al.
Dtsch Med Wochenschr 98:1758-62, 21 Sep 73 (Eng. Abstr.) (Ger)
 [The radioimmunological determination of plasma aldosterone] Bartorelli A, et al.
Boll Ist Sieroter Milan 52:127-41, Mar-Apr 73 (Eng. Abstr.) (Ita)
 [Aldosterone (including urinary analysis)-interpretation of the test results] Sblimzu N. *Jap J Clin Med* 31:1522-31, 1973 (Jap)
 [Simple quantitative method for determination of aldosterone in the blood from adrenal glands in rats] Golikov PP, et al.
Probl Endokrinol (Mosk) 19:109-14, Sep-Oct 73 (Eng. Abstr.) (Rus)

METABOLISM

- Clinical conference: Essential hypertension: new concepts about mechanisms.
Ann Intern Med 79:411-24, Sep 73
 Cardiac glucocorticoid receptors: the binding of tritiated dexamethasone in rat and dog heart. Funder JW, et al. *Endocrinology* 93:1300-8, Dec 73
 Dynamic studies of aldosterone in anephric man. Weldmann P, et al. *Kidney Int* 4:289-98, Oct 73
 Studies on the metabolism of aldosterone in chronic renal failure and anephric man. Williams GH, et al. *Kidney Int* 4:280-8, Oct 73
 The renin axis in causation, prognosis and treatment of hypertensive disease. Laragh JH.
Trans Stud Coll Physicians Phila 41:131-40, Oct 73
 [New methods of clinical exploration of aldosterone metabolism] Corvol P, et al.
Acquis Med Recent 183-91, 1972 (Fre)
 [Metabolism of water and sodium during normal pregnancy and pregnancy toxemia] Ménard J, et al.
Acquis Med Recent 171-81, 1972 (Fre)

PHARMACODYNAMICS

- Effects of hyperosmolality on transmural sodium transport in the toad bladder. Bentley PJ, et al.
Am J Physiol 225:818-24, Oct 73
 Effects of aldosterone on the isolated substrate-depleted turtle bladder. LeFevre ME.
Am J Physiol 225:1252-6, Nov 73
 Studies on the biochemical basis of oxygen toxicity. Allen JE, et al.
Biochim Biophys Acta 320:708-28, 5 Oct 73
 Altered ion transport in vascular smooth muscle from spontaneously hypertensive rats. Influences of aldosterone, norepinephrine, and angiotensin. Jones AW. *Circ Res* 33:563-72, Nov 73
 Effect of aldosterone on cyclic-AMP metabolism in the urinary bladder of the toad. Handler JS, et al.
Exp Eye Res 16:235-40, 10 Aug 73
 Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al.
J Biol Chem 248:7425-30, 25 Nov 73
 Effects of aldosterone and cortisol on the renal concentrating mechanism. Cooke CR, et al.
J Lab Clin Med 82:784-92, Nov 73
 Cordycepin and alpha-amanitin: inhibitors of transcription as probes of aldosterone action. Chu LL, et al. *J Membr Biol* 10:291-310, 29 Dec 72
 Effect of aldosterone on active and passive conductance and ENA in the toad bladder. Salto T, et al. *J Membr Biol* 13:1-18, 30 Aug 73
 Positive inotropic effect of cardiotonic steroids: differential antagonism by aldosterone. Appel WC, et al. *J Pharmacol Exp Ther* 187:112-20, Oct 73
 Effect of adrenal cortical steroids on liver regeneration. Gershbain LL.
J Surg Oncol 5:491-508, May 73
 Extrarenal effects of aldosterone antagonists in guinea pigs. I. Enhanced transport of potassium into the cells. Mattern HR, et al.
Naunyn Schmiedebergs Arch Pharmacol 279:1-8, 24 Aug 73

PHYSIOLOGY

- View of human problems to be addressed for long-duration space flights. Berry CA.
Aerosp Med 44:1136-46, Oct 73

- [Clinical physiopathology of certain forms of secondary arterial hypertension] Veyrat R.
Schweiz Med Wochenschr 103:1653-62, 24 Nov 73 (27 ref.) (Eng. Abstr.) (Fre)
 [Neurohumoral regulation of kidney activity] Pytasz M.
Acta Physiol Pol [Suppl] 24:735-45, 1973 (Pol)

SECRETION

- Relation of age, diastolic pressure and known duration of hypertension to presence of low renin essential hypertension. Tuck ML, et al.
Am J Cardiol 32:637-42, Oct 73
 Systemic lupus erythematosus with adrenal insufficiency. Elchner HL, et al.
Am J Med 55:700-5, Nov 73
 Increased aldosterone secretion during sodium depletion with inhibition of renin release. Blair-West Jr, et al. *Am J Physiol* 224:1409-14, Jun 73
 The aetiology of hypertension after renal transplantation in man. Sampson D, et al.
Br J Surg 60:819-24, Oct 73
 Relative influence of acute sodium and volume depletion on aldosterone secretion in nephrectomized man. McCaa RE, et al. *Circ Res* 33:555-62, Nov 73
 Radioimmunoassay of aldosterone in adrenal venous effluent in a case of Conn's syndrome. Frölich M, et al.
Clin Chim Acta 47:277-81, 30 Aug 73
 Modulation of plasma aldosterone concentration by plasma potassium in anephric man in the absence of a change in potassium balance. Cooke CR, et al.
J Clin Invest 52:3028-32, Dec 73
 The role of Na-K-activated adenosine triphosphatase in potassium adaptation. Stimulation of enzymatic activity by potassium loading. Silva P, et al.
J Clin Invest 52:2665-71, Nov 73
 Studies on the metabolism of aldosterone in chronic renal failure and anephric man. Williams GH, et al.
Kidney Int 4:280-8, Oct 73
 Editorial: Sodium and the pressor role of angiotensin. *Lancet* 2:1065-6, 10 Nov 73
 Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al.
N Engl J Med 289:1022-4, 8 Nov 73
 [Secretion of aldosterone in dogs after administration of o,p'-dichlorodiphenyldichloroethane (o,p'-DDD)] Komissarenko VP, et al.
Probl Endokrinol (Mosk) 19:72-8, Sep-Oct 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

- [Determination of plasma renin activity in edematous cirrhosis. Influence of various depletive treatments] Cottin S, et al.
Sem Hop Paris 49:1357-63, 20 Apr 73 (Fre)

URINE

- Editorial: New knowledge of benign essential hypertension. Laidlaw JC.
Can Med Assoc J 109:453 passim, 15 Sep 73
 Primary aldosteronism: observations on water and electrolyte changes during partial immersion. Crane MG, et al. *J Clin Endocrinol Metab* 37:790-6, Nov 73
 Simplification of urinary aldosterone measurement by radioimmunoassay. Cope CL, et al.
J Clin Pathol 26:828-34, Aug 73
 [New methods of clinical exploration of aldosterone metabolism] Corvol P, et al.
Acquis Med Recent 183-91, 1972 (Fre)
 [Clinical physiopathology of certain forms of secondary arterial hypertension] Veyrat R.
Schweiz Med Wochenschr 103:1653-62, 24 Nov 73 (27 ref.) (Eng. Abstr.) (Fre)
 [A disturbing factor in the radioimmunoassay of urinary aldosterone] Schnurr E.
J Chromatogr 84:165-6, 12 Sep 73 (Eng. Abstr.) (Ger)
 [An uncomplicated method for the determination of aldosterone excretion] Schnurr E, et al.
Med Welt 24:689-91, 27 Apr 73 (Ger)
 [Aldosterone (including urinary analysis)-interpretation of the test results] Sblimzu N. *Jap J Clin Med* 31:1522-31, 1973 (Jap)
 [Effect of hypodynamics and other factors of space flight on the excretion of 17-hydroxycorticosteroids and aldosterone] Dluska IG, et al.
Kosm Biol Med 7:43-8, May-Jun 73 (Eng. Abstr.) (Rus)
 [Aldosteronuria in patients with diabetes mellitus] Bezverkhala TP.

- Probl Endokrinol (Mosk) 19:10-3, Sep-Oct 73 (Eng. Abstr.) (Rus)
 [The state of adrenal cortical function in chronic alcoholism] Shishov VI.
 Zh Nevropatol Psikhiatr 73:235-8, 1973 (Eng. Abstr.) (Rus)

ANDROSTERONE

- Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. Blochim Biophys Acta 318:225-34, 22 Aug 73
 Fine structural localization of 3beta-hydroxysteroid dehydrogenase in rat corpus luteum. Bara G, et al. Histochem J 5:437-49, Sep 73

BIOSYNTHESIS

- Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al. J Endocrinol 59:7-16, Oct 73
 Conversion of (4-14C)5 alpha-pregnane-3, 20-dione to 5 alpha-C19-steroids by the prepubertal rat testis. Richards G, et al. J Endocrinol 59:185-8, Oct 73
 Evaluation of the specific activity of biochemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. Morfin RF, et al. J Steroid Biochem 4:381-91, Jul 73
 Steroid metabolism by mouse submaxillary glands. I. In vitro metabolism of testosterone and 4-androstene-3,17-dione. Coffey JC. Steroids 22:247-57, Aug 73

BLOOD

- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. Am J Med 55:687-94, Nov 73

METABOLISM

- Leydig cell differentiation, steroid metabolism by the interstitium in vitro and the growth of the accessory sex organs in the rat. Tsang WN, et al. J Reprod Fertil 34:351-5, Aug 73

PHARMACODYNAMICS

- Biodynamic studies of hamster flank organ growth: hormonal influences. Frost P, et al. J Invest Dermatol 61:159-67, Sep 73
 [Neuro-hormonal control of the secretion of the p.i.f. (author's transl)] Marchandise B.
 Ann Endocrinol (Paris) 34:308-10, May-Jun 73 (Fre)

URINE

- The treatment of precocious puberty with cyproterone acetate. Rager K, et al. Acta Endocrinol (Kbh) 74:399-408, Oct 73
 The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. Clin Chim Acta 47:381-8, 14 Sep 73

BETAMETHASONE

ADMINISTRATION & DOSAGE

- Effect of progesteroids on the cellular response to inflammation in the monkey. Kung TT, et al. J Reticuloendothel Soc 14:59-67, Jul 73
 Amino acid naphthylamidases in the synovial fluid of patients with rheumatoid arthritis. The effect of intra-articular corticosteroid treatment. Lemperg R, et al. Scand J Rheumatol 2:17-20, 1973

ADVERSE EFFECTS

- Induction of acne by topical steroids. Plewig G, et al. Arch Dermatol Forsch 247:29-52, 1973
 [Celestoderm in the therapy of certain skin diseases] Trofimova LJa, et al.
 Vestn Dermatol Venerol 47:74-7, May 73 (Eng. Abstr.) (Rus)

ANALYSIS

- High-efficiency liquid chromatography in

- pharmaceutical analysis. Bailey F, et al. J Chromatogr 83:431-7, 29 Aug 73
 Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. Steroids 22:445-50, Sep 73

PHARMACODYNAMICS

- Factors affecting plasma ceruloplasmin activity in Gallus domesticus. Freeman BM, et al. Comp Biochem Physiol [A] 45:689-98, 1 Jul 73
 Effect of progesteroids on the cellular response to inflammation in the monkey. Kung TT, et al. J Reticuloendothel Soc 14:59-67, Jul 73

THERAPEUTIC USE

- Pansteatitis in a cat. Watson AD, et al. Aust Vet J 49:388-92, Aug 73
 A preliminary clinical trial of hydrocortisone-17-butyrate. Alexander S, et al. Br J Clin Pract 27:177-9, May 73
 Treatment of vitiligo by local application of betamethasone 17-valerate in a dimethyl sulfoxide cream base. Koopmans-van Dorp B, et al. Dermatologica 146:310-4, 1973
 Amino acid naphthylamidases in the synovial fluid of patients with rheumatoid arthritis. The effect of intra-articular corticosteroid treatment. Lemperg R, et al. Scand J Rheumatol 2:17-20, 1973
 [Letter: Therapy and prognosis of lichen ruber mucosae oris] Kortling GW.
 Hautarzt 24:367, Aug 73 (Ger)
 [Celestoderm in the therapy of certain skin diseases] Trofimova LJa, et al.
 Vestn Dermatol Venerol 47:74-7, May 73 (Eng. Abstr.) (Rus)

CORTICOSTERONE

- The molecular structure of porphyrin complexes in solution: the interaction of metal porphyrins with various steroids. Hill HA, et al. Ann NY Acad Sci 206:247-67, 1973
 A modified competitive protein-binding determination for cortisol. Cox RA, et al. J Clin Endocrinol Metab 37:870-3, Nov 73
 Circadian rhythm of plasma testosterone, cortisol and gonadotropins in normal male subjects. Piro C, et al. J Steroid Biochem 4:321-9, May 73

ADMINISTRATION & DOSAGE

- Altered ion transport in vascular smooth muscle from spontaneously hypertensive rats. Influences of aldosterone, norepinephrine, and angiotensin. Jones AW. Circ Res 33:563-72, Nov 73
 Increased reactivity and impaired adaptability in operant behavior of adult mice given corticosterone in infancy. Howard E. J Comp Physiol Psychol 85:211-20, Oct 73

ANALYSIS

- Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. Murtby AS, et al. Horm Res 4:219-23, 1973
 Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al. J Endocrinol 59:43-55, Oct 73

BIOSYNTHESIS

- Effect of ACTH on biosynthesis of aldosterone and corticosterone by monolayer cultures of rat adrenal zona glomerulosa cells. Hornsby PJ, et al. Blochim Biophys Res Commun 54:1554-9, 15 Oct 73
 Factors affecting the adrenocorticotrophic hormone stimulation of rabbit adrenal 17alpha-hydroxylase activity. Fevold HR, et al. Blochim Biophys Acta 313:211-20, 20 Jun 73
 The role of calcium in the steroidogenic response of rat adrenal cells to adrenocorticotrophic hormone. Haksar A, et al. Blochim Biophys Acta 313:363-71, 28 Jul 73
 Influence of plasma on ACTH stimulated corticosterone production of isolated adrenal cells. Fehm HL, et al. FEBS Lett 36:109-12, 1 Oct 73
 Steroid biosynthesis by phalarope (Steganopus tricolor

- and Lobipes lobatus) adrenal tissue. Fevold HR, et al. *Gen Comp Endocrinol* 21:353-7, Oct 73
- Hormone: receptor interactions. Biological activities of (phenylalanine, norvaline)-adrenocorticotropin-(1-24)-tetracosapeptide and its 4,5-dehydro-4,5-dinitro-norvaline analogue in isolated rat lipocytes and adrenal cortex cells: lipolysis, corticosterone and cyclic adenosine-3',5'-monophosphate production. Lang U, et al. *Helv Chim Acta* 56:1089-72, 1973
- Effect of acute neurogenic stress on hypothalamic corticotropin-releasing factor content. Chowers I, et al. *Isr J Med Sci* 9:1056-8, Aug 73
- Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al. *J Endocrinol* 58:485-91, Sep 73
- Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73
- Studies on the physical dependence liability of analgesics. 2. Relationship between transformation of intramitochondrial structures in adrenocortical cells and corticosterone biosynthesis in morphine addicted rats. Yamamoto H, et al. *Jap J Pharmacol* 23:217-25, Apr 73
- 11-dehydrocorticosterone (compd. A) formation by the *Microtus* adrenal. Ungar F, et al. *Steroids* 22:503-14, Oct 73
- [Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Bouhnik J, et al. *Biochimie* 55:323-8, 1973 (Eng. Abstr.) (Fre)
- [A study on the role of brain for the establishment of adaptation to the repeated immobilization stress. II. A role of the limbic-midbrain system in the repeated immobilization stress] Yanase M. *J Physiol Soc Jap* 35:171-8, Apr 73 (Eng. Abstr.) (Jap)
- BLOOD**
- Effect of dexamethasone on adrenocortical responses in intact and hypothalamic deafferented rats. Feldman S, et al. *Acta Endocrinol (Kbh)* 73:660-4, Aug 73
- Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al. *Acta Endocrinol (Kbh)* 73:651-9, Aug 73
- On the mechanism of goitre formation during lithium treatment in the rat. Leppäluoto J, et al. *Acta Endocrinol (Kbh)* 74:298-306, Oct 73
- "In vivo radioimmunoassay" of aldosterone. Vecsei P, et al. *Acta Endocrinol (Kbh)* 74:307-15, Oct 73
- Effect of imidazole on the adrenal response to ACTH and to stress. Marton J, et al. *Acta Physiol Acad Sci Hung* 42:225-30, 1972
- Effect of neonatal corticosterone administration on behavioural and pituitary-adrenocortical responses in the rat. Nyakas C, et al. *Acta Physiol Acad Sci Hung* 42:231-41, 1972
- Possible role of serotonin in the monoamines-induced inhibition of the stress mechanism in the rat. Vermes I, et al. *Acta Physiol Acad Sci Hung* 42:219-23, 1972
- Mass fragmentographic analysis of steroids, catecholamines, and amino acids in biological materials. Maume BF, et al. *Anal Chem* 46:1073-82, Jun 73
- Effect of hepatic injury on adjuvant arthritis. Pinals RS. *Ann Rheum Dis* 32:471-4, Sep 73
- Effect of bee venom on experimental arthritis. Zurier RB, et al. *Ann Rheum Dis* 32:466-70, Sep 73
- Effect of prolonged exercise on levels of plasma glucose, free fatty acids and corticosterone and muscle free fatty acids in the pigeon. John TM, et al. *Arch Int Physiol Biochim* 81:421-5, Sep 73
- Plasma corticosterone levels during pregnancy in the mouse. Barlow SM, et al. *Br J Pharmacol* 48:346P, Jun 73
- Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels. Dafny N, et al. *Brain Res* 59:257-72, 14 Sep 73
- The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al. *Can J Physiol Pharmacol* 51:313-8, May 73
- Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:737-42, Oct 73
- Diurnal rhythm of corticotropin-releasing factor activity in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:743-7, Oct 73
- The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73
- Rate of disappearance of plasma corticosterone in traumatized rats with special respect to the effect of adaptation. Németh S, et al. *Endocrinol Exp (Bratisl)* 7:171-6, Sep 73
- Corticosteroid levels in the mother and fetus of the rabbit during gestation. Mulay S, et al. *Endocrinology* 93:1342-8, Dec 73
- Function of adrenal gland-zona fasciculata in rats receiving polychlorinated biphenyls. Wassermann D, et al. *Environ Res* 6:334-8, Sep 73
- Hypertensive effects of prolonged auditory, visual, and motion stimulation. Smookler HH, et al. *Fed Proc* 32:2105-10, Nov 73
- Tolerance of cold-acclimated and unacclimated rats to hypoxia at 1.7 degrees C. Altland PD, et al. *Int J Biometeorol* 17:59-71, Mar 73
- Adrenal mitochondrial cytochrome P-450 and cholesterol side chain cleavage activity. Differences in the response of the zona glomerulosa and zona fasciculata-reticularis to adrenocorticotrophic hormone and its withdrawal. Alfano J, et al. *J Biol Chem* 248:7860-4, 25 Nov 73
- Corticosterone and avoidance in rats with basolateral amygdala lesions. Coover G, et al. *J Comp Physiol Psychol* 85:111-22, Oct 73
- Increased reactivity and impaired adaptability in operant behavior of adult mice given corticosterone in infancy. Howard E. *J Comp Physiol Psychol* 85:211-20, Oct 73
- Foetoplacental contribution to the maternal corticosteroid pool in Long-Evans rats. Petropoulos EA, et al. *J Endocrinol* 59:183-4, Oct 73
- Aspects of adrenal function in neonatally estrogenized male mice. Simmons JE, et al. *J Exp Zool* 186:123-6, Nov 73
- Functional development of the hypothalamo-hypophyseal-adrenal cortex axis in the chick embryo, *Gallus domesticus*. Wise PM, et al. *J Exp Zool* 185:277-92, Sep 73
- Studies on the metabolism of aldosterone in chronic renal failure and anephric man. Williams GH, et al. *Kidney Int* 4:280-8, Oct 73
- Mode of killing and plasma corticosterone concentrations in the rat. Carney JA, et al. *Lab Anim Sci* 23:675-6, Oct 73
- Unconjugated estrogens in the perinatal period. Kenny FM, et al. *Pediatr Res* 7:826-31, Oct 73
- Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Lesbner AI, et al. *Physiol Behav* 11:705-11, Nov 73
- Effects of urethane on pituitary-adrenal function in the rat. Ondo JG, et al. *Proc Soc Exp Biol Med* 143:894-8, Sep 73
- Inhibition of morphine-induced pituitary-adrenal activation by dexamethasone in the female rat. Zimmermann E, et al. *Proc Soc Exp Biol Med* 143:1224-6, Sep 73
- Periodicity of susceptibility to pneumococcal infection: influence of light and adrenocortical secretions. Shackelford PG, et al. *Science* 182:285-7, 19 Oct 73
- Effect of administered 20 beta-hydroxysteroid dehydrogenase on serum progesterone in the rat. Chatterton RT Jr, et al. *Steroids* 22:485-92, Oct 73
- Demonstration of a specific binding protein for testosterone and 5alpha-dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al. *Steroids* 22:185-92, Aug 73
- [Glucocorticoid function in head injuries] Fossati P, et al. *Ann Endocrinol (Paris)* 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Determination of micro quantities of corticosterone in rat blood by the method of saturation analysis] Volchek AG. *Biol Nauki* 10:124-9, 1973 (Rus)
- [Effect of melatonin on the hypothalamo-hypophyseal-adrenal system of rats] Maslova LN, et al. *Probl Endocrinol (Mosk)* 19:55-9, Sep-Oct 73 (Eng. Abstr.) (Rus)
- METABOLISM**
- Effect of prolonged exercise on levels of plasma

glucose, free fatty acids and corticosterone and muscle free fatty acids in the pigeon. John TM, et al. *Arch Int Physiol Biochim* 81:421-5, Sep 73

On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA. *Biochim Biophys Acta* 322:68-74, 21 Sep 73

Rate of disappearance of plasma corticosterone in traumatized rats with special respect to the effect of adaptation. Németh S, et al. *Endocrinol Exp (Bratisl)* 7:171-6, Sep 73

Cardiac glucocorticoid receptors: the binding of tritiated dexamethasone in rat and dog heart. Funder JW, et al. *Endocrinology* 93:1300-8, Dec 73

Corticosterone metabolism by rat adrenocortical cell suspensions and monolayer cultures: the effect of damage on 11-dehydrogenase activity. O'Hare MJ. *J Endocrinol* 59:141-50, Oct 73

Delta 9-THC: selective impairment of corticosterone uptake by limbic structures of the rat. Drew WG, et al. *Neuropharmacology* 12:909-14, Sep 73

Uptake of (3H) corticosterone and the immune response in growth-retarded rats. Adlard BP, et al. *Pediatr Res* 7:883-7, Nov 73

Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Daniels-Severs A, et al. *Pharmacology* 9:348-56, 1973

In vitro effects of ACTH on uridine incorporation into rapidly labelled adrenal RNA of normal and dexamethasone-suppressed rats. Castells S, et al. *Steroids* 22:171-83, Aug 73

PHARMACODYNAMICS

Effect of neonatal corticosterone administration on behavioural and pituitary-adrenocortical responses in the rat. Nyakas C, et al. *Acta Physiol Acad Sci Hung* 42:231-41, 1972

Binding of progesterone by rat uterus in vitro. Saffran J, et al. *Biochem Biophys Res Commun* 53:202-9, 2 Jul 73

Metabolism of adrenalin in the isolated perfused liver of the rat. Lightman SL, et al. *Biochem Pharmacol* 22:2419-23, 1 Oct 73

Studies on the biochemical basis of oxygen toxicity. Allen JE, et al. *Biochim Biophys Acta* 320:708-28, 5 Oct 73

Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylate cyclase and adenosine triphosphatase in pharmacologic regulation. Coffey RG, et al. *Int Arch Allergy Appl Immunol* 45:593-611, 1973

Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al. *J Biol Chem* 248:7625-30, 25 Nov 73

Increased reactivity and impaired adaptability in operant behavior of adult mice given corticosterone in infancy. Howard E. *J Comp Physiol Psychol* 85:211-20, Oct 73

Dopaminergic neurons in explants of substantia nigra in culture. Coyle JT, et al. *J Neurobiol* 4:461-70, 1973

Hypertensive action of 18-hydroxydeoxycorticosterone. Oliver JT, et al. *Science* 182:1249-51, 21 Dec 73

PHYSIOLOGY

Role of the adrenal cortex in the adaptation of the monotreme *Tachyglossus aculeatus* to low environmental temperature. Augée ML, et al. *J Endocrinol* 58:513-23, Sep 73

SECRETION

Effect of imidazole on the adrenal response to ACTH and to stress. Marton J, et al. *Acta Physiol Acad Sci Hung* 42:225-30, 1972

Endocrine spotlights on brain and behaviour. Cleghorn JM. *Can Psychiatr Assoc J* 18:449-51, Oct 73

Quantitative relations of fetal and maternal pituitary-adrenal systems. Jackson BT, et al. *J Clin Invest* 52:3154-60, Dec 73

Neurovascular regulation of the anterior hypophysis. Porter JC, et al. *Recent Prog Horm Res* 29:161-98, 1973

Adrenocortical cells in rats bearing a corticosterone secreting tumor. Nickerson PA. *Virchows Arch [Zellpathol]* 13:297-305, 21 Aug 73

THERAPEUTIC USE

Wegener's granulomatosis appearing initially as otitis media. Linthicum FH Jr, et al. *Trans Am Acad Ophthalmol Otolaryngol* 76:301-7, Mar-Apr 72

[Therapy of idiopathic diffuse pulmonary fibrosis] Schlehe H, et al. *Schweiz Med Wochenschr* 103:1543-7, 3 Nov 73 (Eng. Abstr.) (Ger)

URINE

The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73

CORTISONE

Attempts at prophylaxis for murine *Pneumocystis carinii* pneumonitis. Hughes WT, et al. *Curr Ther Res* 15:581-7, Aug 73

Stimulation of DNA synthesis in mouse lymphoid cells by polyanions in vitro. I. Target cells and possible mode of action. Diamantstein T, et al. *Eur J Immunol* 3:488-93, Aug 73

In vitro induction of tumor specific immunity: requirements for T lymphocytes and tumor growth inhibition in vivo. Rölinghoff M, et al. *Eur J Immunol* 3:471-6, Aug 73

17,21-Dihydroxy-5 β -pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schnelder JJ. *J Chem Soc [Perkin I]* 13:1361-5, 1973

A modified competitive protein-binding determination for cortisol. Cox RA, et al. *J Clin Endocrinol Metab* 37:670-3, Nov 73

Histological observations with respect to the immune mechanism in *Elmeria acervulina* infection in the domestic fowl. Kouwenhoven B, et al. *Z Parasitenkd* 42:11-21, 3 Aug 73

ADMINISTRATION & DOSAGE

Pathogenicity of *Allescheria boydii* for mice. Lupan DM, et al. *Infect Immun* 8:743-51, Nov 73

[Hypouricaemia after renal transplantation (author's transl)] Schmidt P, et al. *Wien Klin Wochenschr* 85:793-5, 30 Nov 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Letter: Chelating agents and teratogenesis. Marsh L, et al. *Lancet* 2:846, 13 Oct 73

[Improvement of corneal regeneration during steroid therapy (author's transl)] Bencsik R, et al. *Klin Monatsbl Augenheilkd* 162:796-8, Jun 73 (Eng. Abstr.) (Ger)

[Hypouricaemia after renal transplantation (author's transl)] Schmidt P, et al. *Wien Klin Wochenschr* 85:793-5, 30 Nov 73 (Eng. Abstr.) (Ger)

ANALYSIS

Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. *Steroids* 22:445-50, Sep 73

[Quantitative estimation of unconjugated cortisol, cortisone, corticosterone, cortexone and cortexolone by thin-layer chromatography (author's transl)] Hartmann F, et al. *Res Exp Med (Berl)* 161:165-74, 22 Aug 73 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Factors affecting the adrenocorticotrophic hormone stimulation of rabbit adrenal 17 α -hydroxylase activity. Fevold HR, et al. *Biochim Biophys Acta* 313:211-20, 20 Jun 73

BLOOD

The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73

Spirolactone and plasma cortisol. Dumlao JS, et al. *Clin Pharmacol Ther* 14:992-4, Nov-Dec 73

Quantitative determination of corticosteroids from plasma by high-pressure liquid chromatography. Wortmann W, et al. *J Chromatogr* 84:396-401, 26 Sep 73

CHEMICAL SYNTHESIS

Yam--a valuable source of food and drugs. Oke OL. *World Rev Nutr Diet* 15:156-84, 1972 (59 ref.)

DIAGNOSTIC USE

The outcome of treatment and changes in presentation of primary hyperparathyroidism. Britton DC, et al. *Br J Surg* 60:782-5, Oct 73

METABOLISM

Effect of triton X-100 on the conjugation of tetrahydrocortisone, in vitro. Miller KW, et al. *Biochem Pharmacol* 22:2319-27, 15 Sep 73

The aetiology of hypertension after renal transplantation in man. Sampson D, et al. *Br J Surg* 60:819-24, Oct 73

Electric stimulation of the olfactory mucosa: a new test for the study of the hypothalamic functionality. Orlandi F, et al. *Horm Res* 4:141-52, 1973

The growth promoting effect of cortisol on human fetal lung cells. Smith BT, et al. *Steroids* 22:515-24, Oct 73

PHARMACODYNAMICS

Glucagon structure and function. II. Increased activity of iodoglucagon. Bromer WW, et al. *Biochem Biophys Res Commun* 53:134-9, 2 Jul 73

The effect of adjuvant arthritis and drugs on the ability of rat plasma to inhibit the triton X-100 induced lysis of rabbit polymorphonuclear leucocyte granules. Lowe JS, et al.

Biochem Pharmacol 22:2069-78, 1 Sep 73

Loss of graft-versus-host reactivity of mouse lymphocytes during serial passage through irradiated allogeneic hosts. Blomgren H, et al.

Cell Immunol 9:76-83, Oct 73

Differential suppressive effects of antiserum to thymus ribosomal fraction on mitogen responsiveness of thymus cells. Nagaya H.

Cell Immunol 9:324-7, Nov 73

In vitro studies of 'antigenic competition'. II. Reconstitution of the immune defect and the relationship between antigen-induced suppression and non-specific enhancement. Pross H, et al. *Immunology* 25:269-81, Aug 73

Selective stimulation of mouse lymphocyte populations by lectins. Schumann G, et al.

Int Arch Allergy Appl Immunol 45:331-40, 1973

Effects of immunosuppressive treatment on the in vitro activity of mouse lymphoid cells after stimulation by PHA and allogeneic cells. Snippe H, et al. *Int Arch Allergy Appl Immunol* 45:731-43, 1973

The maintenance of pregnancy, and parturition, in guinea-pigs hypophysectomized within 4 days of mating. Illingworth DV, et al.

J Endocrinol 59:163-9, Oct 73

Effect of adrenal cortical steroids on liver regeneration. Gershbein LL.

J Surg Oncol 5:491-508, May 73

Reival of isolated hearts stopped with alcohol and glucocorticoids by nicotine and acetylcholine. Pathak CL. *Jap Heart J* 14:296-305, Jul 73

Studies on pharmacodynamic action of

N-ethylmaleimide (NEM). 2. An inflammatory property of NEM in rats. Yamamoto H, et al. *Jap J Pharmacol* 23:161-6, Apr 73

Letter: Hypouricemia after renal transplantation. Schmidt P, et al. *N Engl J Med* 289:1373, 20 Dec 73

Effects of locally applied cortisone acetate on delayed hypersensitivity reactions in cancer patients.

al-Sarraf M, et al. *Oncology* 28:97-103, 1973

The effects of perfusion, amino acids and hormones on the free and endoplasmic reticulum-bound ribosomes of rat liver. Kelman L, et al.

S Afr Med J 47:1751-3, 29 Sep 73

Peculiarities of the differentiation of antibody-synthesizing cells during the immunization of animals with several antigens or the injection of phytohemagglutinin. Lebedev KA, et al.

Sov J Dev Biol 3:124-32, Mar-Apr 72

[Hepatic fibrosis--the site of fibrogenesis and attempts to repress the process of fibrosis] Kubo S.

Jap J Gastroenterol 70:917-33, Sep 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73

Letter: Antibiotics and endotoxic shock. Hopkin DA. *Br Med J* 4:111-2, 13 Oct 73

Cushing's syndrome and pregnancy. Grimes EM, et al. *Obstet Gynecol* 42:550-9, Oct 73

Polymyalgia rheumatica: a review of recent literature. Kanter SF. *Ohio State Med J* 69:669-71, Sep 73

In vitro studies of human tumor and embryonic tissue. Allen A, et al.

Trans Pac Coast Obstet Gynecol Soc 40:8-14, 1973 [Basic treatment of rheumatoid polyarthritides] Saudan Y.

Schweiz Med Wochenschr 103:1148-53, 18 Aug 73 (Eng. Abstr.) (Fre)

[Characteristics of acute meningitis in aged patients] Pirvu C, et al.

Sem Hop Paris 49:2143-9, 20 Jun 73 (Eng. Abstr.) (Fre)

[Experiences in the surgical treatment of Cushing's disease and Conn's syndrome] Rosdy E, et al.

Acta Chir Acad Sci Hung 14:183-93, 1973 (Ger)

[Immunosuppressive therapy of myasthenias] Mertens HG, et al. *Med Welt* 24:955-63, 8 Jun 73 (Ger)

[Treatment of prostatic carcinoma from the urological viewpoint] Burchardt P.

Roentgenblätter 26:432-4, Oct 73 (Ger)

TOXICITY

Spatial relations in the oral cavity of cortisone-treated mouse fetuses during the time of secondary palate closure. Greene RM, et al. *Teratology* 8:153-61, Oct 73

URINE

Metabolites of cortisol excreted in urine of healthy infants in the course of development. Raczynska B.

Mater Med Pol 5:190-3, Jul-Sep 73

[Glucocorticoid function in head injuries] Fossati P, et al.

Ann Endocrinol (Paris) 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)

DEHYDROEPIANDROSTERONE

Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. *Biochim Biophys Acta* 318:225-34, 22 Aug 73

ADMINISTRATION & DOSAGE

The comparative efficacy of testosterone, progesterone, and dehydroepiandrosterone for the maintenance of fertilizing capacity in castrated hamsters. Lubicz-Nawrocki CM, et al.

Biol Reprod 9:295-9, Oct 73

[Therapy of psoriasis with dehydroepiandrosterone-enanthate. II.

Intramuscular depot application of 300 mg weekly (author's transl)] Holzmann H, et al.

Arch Dermatol Forsch 247:23-8, 1973 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73

Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al.

J Endocrinol 58:485-91, Sep 73

Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al.

J Endocrinol 59:7-16, Oct 73

Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al.

Steroids 22:337-50, Sep 73

[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al.

Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

BLOOD

Physical and chemical factors influencing the reliability of the assay of androgens by competitive

ADRENAL

- protein binding. Rudd BT, et al.
Clin Chim Acta 47:261-8, 30 Aug 73
 Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73
 [Therapy of psoriasis with dehydroepiandrosterone-enanthate. II. Intramuscular depot application of 300 mg weekly (author's transl)] Holzmann H, et al.
Arch Dermatol Forsch 247:23-8, 1973 (Eng. Abstr.) (Ger)

METABOLISM

- In vitro conversion of (4-14C) dehydroepiandrosterone and androstenedione to oestrogens by the microsomes of placentas from normal, toxemic, diabetic and postmature pregnancies. Lehmann WD, et al. *Acta Endocrinol (Kbh)* 73:771-89, Aug 73
 In vitro steroidogenesis in feline testes. O R, et al. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
 Stimulation of 16alpha-hydroxylation of dehydroisoandrosterone sulfate by diethylstilbestrol. Gurpide E, et al.
J Clin Endocrinol Metab 37:867-72, Dec 73
 A study of the androgen receptors in a variety of androgen-sensitive tissues. Mainwaring WI, et al. *J Endocrinol* 59:121-39, Oct 73
 Studies in porphyria. II. Evidence for a deficiency of steroid delta-4-5-alpha-reductase activity in acute intermittent porphyria. Bradlow HL, et al.
J Exp Med 138:754-63, 1 Oct 73
 Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al.
J Steroid Biochem 4:389-79, Jul 73
 Steroid hormone production by pig blastocysts. Perry JS, et al. *Nature* 245:45-7, 7 Sep 73
 Androgen metabolism in rat interstitial tissue and seminiferous tubules. Richards G, et al.
Nature 244:359-61, 10 Aug 73
 Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. *Obstet Gynecol* 42:718-24, Nov 73
 [Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. *Urol Int* 28:360-3, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- The comparative efficacy of testosterone, progesterone, and dehydroepiandrosterone for the maintenance of fertilizing capacity in castrated hamsters. Lubicz-Nawrocki CM, et al.
Biol Reprod 9:295-9, Oct 73
 Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73
 Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. *Obstet Gynecol* 42:718-24, Nov 73

THERAPEUTIC USE

- [Therapy of psoriasis with dehydroepiandrosterone-enanthate. II. Intramuscular depot application of 300 mg weekly (author's transl)] Holzmann H, et al.
Arch Dermatol Forsch 247:23-8, 1973 (Eng. Abstr.) (Ger)

URINE

- The treatment of precocious puberty with cyproterone acetate. Rager K, et al.
Acta Endocrinol (Kbh) 74:399-408, Oct 73
 Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.
Clin Chim Acta 47:261-8, 30 Aug 73
 Stimulation of 16alpha-hydroxylation of dehydroisoandrosterone sulfate by diethylstilbestrol. Gurpide E, et al.
J Clin Endocrinol Metab 37:867-72, Dec 73
 Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction. Argüelles AE, et al. *J Steroid Biochem* 4:427-32, Jul 73
 [The relationship between placental morphology and biochemical parameters in EPH-gestosis (toxemia) and diabetes mellitus. Dehydroepiandrosterone-test, in vitro conversion-rate of

- 4-14C-dehydroepiandrosterone to estrogens, maternal 24 h-urinary estrogen excretion (author's transl)] Schuhmann R, et al.
Arch Gynaecol 215:72-84, 25 May 73 (Eng. Abstr.) (Ger)

DESOXYCORTICOSTERONE

- Studies of animal models of "toxemia" with respect of fibrinogen and platelet survival and selectivity of proteinuria. Wardle EN. *Angiologica* 10:173-81, 1973

ADMINISTRATION & DOSAGE

- Role of the adrenal glands in the development of severe hypertension. Carretero OA, et al.
Circ Res 33:516-20, Nov 73
 Effect of desoxycorticosterone on potassium concentration in enterotoxin-stimulated small intestinal secretions. Johnson J, et al.
Johns Hopkins Med J 133:201-6, Oct 73

ANALYSIS

- Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. Murtby AS, et al.
Horm Res 4:219-23, 1973
 [Quantitative estimation of unconjugated cortisol, cortisone, corticosterone, cortexone and cortexolone by thin-layer chromatography (author's transl)] Hartmann F, et al.
Res Exp Med (Berl) 161:165-74, 22 Aug 73 (Eng. Abstr.) (Ger)

ANTAGONISTS & INHIBITORS

- Negative sodium balance in lithium carbonate toxicity. Evidence of mineralocorticoid blockade. Baer L, et al.
Arch Gen Psychiatry 29:823-7, Dec 73

BIOSYNTHESIS

- Steroid biosynthesis by phalarope (*Steganopus tricolor* and *Lobipes lobatus*) adrenal tissue. Fevold HR, et al.
Gen Comp Endocrinol 21:353-7, Oct 73

DIAGNOSTIC USE

- [Mineralocorticoid function of the adrenal cortex in intracranial neoplasms] Martirosian VV, et al.
Vopr Neirokhir 36:32-5, Sep-Oct 72 (Eng. Abstr.) (Rus)

METABOLISM

- On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA.
Biochim Biophys Acta 322:68-74, 21 Sep 73
 Mitochondrial 11 beta hydroxylation and adrenal morphology in rats bearing a mammatropic, ACTH-secreting pituitary tumor. De Nicola AF, et al.
J Steroid Biochem 4:407-16, Jul 73
 [Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Bouhnik J, et al.
Biochimie 55:323-8, 1973 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

- Negative sodium balance in lithium carbonate toxicity. Evidence of mineralocorticoid blockade. Baer L, et al.
Arch Gen Psychiatry 29:823-7, Dec 73
 Binding of progesterone by rat uterus in vitro. Saffran J, et al.
Biochem Biophys Res Commun 53:202-9, 2 Jul 73
 The protective effect of estradiol-17 beta against polycyclic hydrocarbon cytotoxicity. Schwartz AG.
Cancer Res 33:2431-6, Oct 73
 Role of the adrenal glands in the development of severe hypertension. Carretero OA, et al.
Circ Res 33:516-20, Nov 73
 Hypertensive effects of prolonged auditory, visual, and motion stimulation. Smookler HH, et al.
Fed Proc 32:2105-10, Nov 73
 Substrate-induced difference spectral, electron paramagnetic resonance, and enzymatic properties of cholesterol-depleted mitochondrial cytochrome P-450 of bovine adrenal cortex. Cbeng SC, et al.
J Biol Chem 248:7263-71, 25 Oct 73
 Glucocorticoid receptors in pituitary tumor cells. I.

ADRENAL

- Cytosol receptors. Watanabe H, et al.
J Biol Chem 248:7625-30, 25 Nov 73
 Effect of actinomycin D, mltomycin C, puromycin, and cycloheximide on desoxycorticosterone-induced in vitro maturation in oocytes of the catfish, *Heteropneustes fossilis* (Bloch). Goswami SV, et al.
J Exp Zool 185:327-32, Sep 73
 Glycerol-induced acute renal failure after acute plasma renin activity suppression. Flamenbaum W, et al.
J Lab Clin Med 82:587-96, Oct 73
 Effect of desoxycorticosterone on potassium concentration in enterotoxin-stimulated small intestinal secretions. Johnson J, et al.
Johns Hopkins Med J 133:201-6, Oct 73
 Hypertensive action of 18-hydroxydeoxycorticosterone. Oliver JT, et al.
Science 182:1249-51, 21 Dec 73
 [Role of maternal adrenal glands in production of estrogens in the pregnant sow] Fèvre J, et al.
Ann Biol Anim Biochim Biophys 12:559-67, 1972 (Eng. Abstr.) (Fre)

PHYSIOLOGY

- [Recent data concerning the corticosteroid hormones]
 Legrand JC, et al. *Acquis Med Recent* 21-32, 1972 (Fre)

THERAPEUTIC USE

- Letter: Correction of hyponatremia. Yudis M, et al.
Ann Intern Med 79:764-5, Nov 73

DEXAMETHASONE

ADMINISTRATION & DOSAGE

- Effect of dexamethasone on adrenocortical responses in intact and hypothalamic deafferented rats. Feldman S, et al.
Acta Endocrinol (Kbh) 73:660-4, Aug 73
 Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
 Twin study on ocular pressure following topically applied dexamethasone. II. Inheritance of variation in pressure response. Schwartz JT, et al.
Arch Ophthalmol 90:281-6, Oct 73
 Occupational, accidental, explorational carbon dioxide inhalation poisonings, and prevention. LaVerne AA, et al. *Behav Neuropsychiatry* 4:33-48, Feb-Sep 73
 Estrogen pre-treatment of corticoid induced parturition in cattle. LaVole VA, et al.
J Anim Sci 37:770-5, Sep 73
 Influence of glucocorticoids on glucagon secretion and plasma amino acid concentrations in man. Wise JK, et al. *J Clin Invest* 52:2774-82, Nov 73
 Dose dependency of decadron in patients with partially excised brain tumors. Renaudin J, et al.
J Neurosurg 39:302-5, Sep 73
 Specific suppression of immune response to a given antigen by emulsified oil droplets containing a mixture of antigen and dexamethasone phosphate. Matuhasi T, et al.
Nature [New Biol] 245:213-5, 17 Oct 73
 Bacterial meningitis. A symposium. IV. Neurological aspects: their diagnosis and treatment. Bresnan MJ. *Pediatrics* 52:594-7, Oct 73
 Inhibition of morphine-induced pituitary-adrenal activation by dexamethasone in the female rat. Zimmermann E, et al.
Proc Soc Exp Biol Med 143:1224-6, Sep 73
 A plasma dexamethasone radioimmunoassay. Meikle AW, et al. *Steroids* 22:193-202, Aug 73
 [Long-term therapy in bronchial asthma with corticoid dosage aerosol (author's transl)] Schindl R, et al. *Respiration* 30:443-57, 1973 (Eng. Abstr.) (Ger)
 [Whole-body plethysmography studies on the effect of various inhalable corticosteroids in obstructive respiratory tract diseases] Günthner W. *Ther Ggw* 112:1143-4 passim, Jul 73 (Ger)
 [Use--abuse of anti-inflammatory drugs in athletic injuries] Mäkelä T.
Tidsskr Nor Lægeforen 93:1160-2, 30 May 73 (Nor)

ADVERSE EFFECTS

- Induction of acne by topical steroids. Plewig G, et al.
Arch Dermatol Forsch 247:29-52, 1973
 Twin study on ocular pressure following topically applied dexamethasone. II. Inheritance of variation in

- pressure response. Schwartz JT, et al.
Arch Ophthalmol 90:281-6, Oct 73
 Respiratory complications in traumatic quadriplegia. Analysis of 20 years' experience. Bellamy R, et al.
J Neurosurg 39:596-600, Nov 73
 Preventive effect of flavin adinine dinucleotide on induction of adrenal atrophy in rat by dexamethasone. Ono S, et al.
J Nutr Sci Vitaminol (Tokyo) 19:287-8, 1973
 Potential therapeutic pitfalls in Reye's syndrome. Brown RE, et al. *Pediatrics* 52:491-3, Oct 73
 [Posteroil panniculitis (author's transl)] Mau G.
Klin Paediatr 185:222-4, May 73 (Eng. Abstr.) (Ger)

ANALYSIS

- Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. *Steroids* 22:445-50, Sep 73

BLOOD

- Methods of assessing patients for psychosurgery and their outcome after operation. Bridges PK. *Psychiatr Neurol Neurochir* 76:335-44, Sep-Oct 73
 A plasma dexamethasone radioimmunoassay. Meikle AW, et al. *Steroids* 22:193-202, Aug 73

DIAGNOSTIC USE

- Cushing's syndrome: a prospective study of diagnostic methods. Eddy RL, et al. *Am J Med* 55:621-30, Nov 73
 Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
 Endogenous ACTH induced remission in myasthenia gravis. Arhona NJ, et al.
Bull Los Angeles Neurol Soc 38:183-7, Oct 73
 Increased sensitivity to theophylline associated with primary open-angle glaucoma. Zink HA, et al.
Invest Ophthalmol 12:603-7, Aug 73
 Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. *J Clin Endocrinol Metab* 37:955-67, Dec 73
 Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. Ganguly A, et al.
J Clin Endocrinol Metab 37:765-75, Nov 73
 Methods of assessing patients for psychosurgery and their outcome after operation. Bridges PK. *Psychiatr Neurol Neurochir* 76:335-44, Sep-Oct 73
 Correlation of the clinical response to ACTH treatment with the endocrine status in myasthenia gravis. Cape CA, et al. *South Med J* 66:1011-3, Sep 73

METABOLISM

- Cytoplasmic binding of dexamethasone and induction of tyrosine aminotransferase in neonatal rat liver. Cake MH, et al.
Biochem Biophys Res Commun 54:983-90, 1 Oct 73
 Cardiac glucocorticoid receptors: the binding of tritiated dexamethasone in rat and dog heart. Funder JW, et al. *Endocrinology* 93:1300-8, Dec 73

PHARMACODYNAMICS

- Peripheral plasma levels of oestrogen and progesterone in pregnant rhesus monkeys treated with dexamethasone. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:338-47, Oct 73
 Effect of dexamethasone on adrenocortical responses in intact and hypothalamic deafferented rats. Feldman S, et al.
Acta Endocrinol (Kbh) 73:660-4, Aug 73
 Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al.
Am J Med 55:687-94, Nov 73
 Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism. *Arch Intern Med* 132:616-9, Oct 73
 Twin study on ocular pressure following topically applied dexamethasone. II. Inheritance of variation in pressure response. Schwartz JT, et al.
Arch Ophthalmol 90:281-6, Oct 73
 Circadian rhythms in the concentrations of protein and the main electrolytes in human unstimulated parotid saliva. Dawes C, et al. *Arch Oral Biol* 18:1233-42, Oct 73
 Estrogen pre-treatment of corticoid induced

- parturition in cattle. LaVole VA, et al.
J Anim Sci 37:770-5, Sep 73
- Regulation of glutamine synthetase activity of hepatoma tissue culture cells by glutamine and dexamethasone. Kulka RG, et al.
J Biol Chem 248:6738-43, 10 Oct 73
- An effect of insulin on cyclic adenosine 3':5'-monophosphate phosphodiesterase activity in fat cells. Manganelli V, et al.
J Biol Chem 248:7164-70, 25 Oct 73
- Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al.
J Biol Chem 248:7625-30, 25 Nov 73
- Influence of glucocorticoids on glucagon secretion and plasma amino acid concentrations in man. Wise JK, et al.
J Clin Invest 52:2774-82, Nov 73
- Role of adrenal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). Silver R, et al.
J Comp Physiol Psychol 84:453-63, Sep 73
- The episodic nature of changes in ovine plasma cortisol levels and their response to adrenaline during adaptation to a new environment. McNatty KP, et al.
J Endocrinol 59:171-80, Oct 73
- Effect of adrenal cortical steroids on liver regeneration. Gershbein LL.
J Surg Oncol 5:491-508, May 73
- Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Leshner AI, et al.
Physiol Behav 11:705-11, Nov 73
- Maturity of the pituitary-adrenal axis in the newborn dog. Muelheims GH, et al.
Proc Soc Exp Biol Med 143:1197-200, Sep 73
- Effects of urethane on pituitary-adrenal function in the rat. Ondo JG, et al.
Proc Soc Exp Biol Med 143:894-8, Sep 73
- Inhibition of morphine-induced pituitary-adrenal activation by dexamethasone in the female rat. Zimmermann E, et al.
Proc Soc Exp Biol Med 143:1224-6, Sep 73
- In vitro effects of ACTH on uridine incorporation into rapidly labelled adrenal RNA of normal and dexamethasone-suppressed rats. Castells S, et al.
Steroids 22:171-83, Aug 73
- Proceedings: Some observations on the use of dexamethasone T.M.A. for the induction of premature calving. O'Farrell KJ, et al. *Vet Rec* 93:75, 21 Jul 73
- [Effect of dexamethasone on the 5-methylcytosine content and degree of pyrimidine blocking in rat liver DNA] Galfalan VT, et al.
Dokl Akad Nauk SSSR 212:992-5, 1 Oct 73 (Rus)

THERAPEUTIC USE

- The treatment of terminal metamorphosis of chronic granulocytic leukaemia with corticosteroids and vincristine. Marmont AM, et al.
Acta Haematol (Basel) 50:1-8, 1973
- Mydriasis of unusual cause in a thrombocytopenic, anemic woman with temporary amaurosis. Aberg H, et al. *Acta Med Scand* 194:151-5, 1973
- Malignant hyperpyrexia during general anesthesia. Successful management of a case. Maisel RH, et al. *Ann Otol Rhinol Laryngol* 82:729-33, Sep-Oct 73
- Pituitary gigantism. A case report and review. Hargler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
- Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism.
Arch Intern Med 132:616-9, Oct 73
- Propoxyphene hydrochloride (Darvon) a report of two cases. Feinberg A. *Clin Pediatr (Phila)* 12:402-4, Jul 73
- Role of cell-mediated immunity in the recovery of cattle from primary and recurrent infections with infectious bovine rhinotracheitis virus. Davies DH, et al. *Infect Immun* 8:510-8, Oct 73
- Respiratory complications in traumatic quadriplegia. Analysis of 20 years' experience. Bellamy R, et al. *J Neurosurg* 39:596-600, Nov 73
- Dose dependency of decadron in patients with partially excised brain tumors. Renaudin J, et al.
J Neurosurg 39:302-5, Sep 73
- Quantitative effect of topically applied anti-inflammatory agents on external ocular inflammation in rats. Malstrello I, et al.
J Pharm Sci 62:1455-60, Sep 73
- Interactions of aspirin, indomethacin and other drugs in adjuvant-induced arthritis in the rat. Van Arman CG, et al. *J Pharmacol Exp Ther* 187:400-14, Nov 73
- Letter: An anti-inflammatory peptide from bee venom. Bilingham ME, et al. *Nature* 245:163-4, 21 Sep 73

- [Prevention of postoperative peritoneal adhesions] Kaneyuki T, et al. *Med Welt* 24:1220-2, 10 Aug 73 (Ger)
- [Experimental and clinical findings on new eye drops (Corti-Bicron, Oxy-Bicron and Dexa-Bicron)] Rüger K. *Med Welt* 24:1145-7, 13 Jul 73 (Ger)
- [Long-term therapy in bronchial asthma with corticoid dosage aerosol (author's transl)] Schindl R, et al. *Respiration* 30:443-57, 1973 (Eng. Abstr.) (Ger)
- [Use-abuse of anti-inflammatory drugs in athletic injuries] Mäkelä T.
Tidsskr Nor Lægeforen 93:1160-2, 30 May 73 (Nor)
- [The basis for various methods of rehabilitative therapy in the early and initial residual stages of juvenile cerebral palsy] Semenova KA, et al.
Zh Nevropatol Psikhiatr 73:371-7, 1973 (Eng. Abstr.) (Rus)
- [Role of the inflammatory response in the genesis of peritoneal adhesions] Salva JA, et al.
Rev Esp Enferm Apar Dig 41:115-30, Aug-Sep 73 (Spa)

TOXICITY

- A survey of the embryotoxic effects of TCDD in mammalian species. Neubert D, et al.
Environ Health Perspect 5:67-79, Sep 73

ETIOCHOLANOLONE

- Theophylline suppression of delta-aminolevulinic acid synthetase induction in chick embryo and rat livers. Korinek J, et al.
Biochem Biophys Res Commun 53:1246-52, 21 Aug 73

BLOOD

- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al.
Am J Med 55:687-94, Nov 73
- Periodic fever and menses. Golden RL, et al.
Am J Obstet Gynecol 117:855-6, 15 Nov 73

DIAGNOSTIC USE

- [The etiocholanolone test in the functional evaluation of partial and total medullary insufficiencies] Giralt M, et al.
Sangre (Barc) 18:170-7, 1973 (Eng. Abstr.) (Spa)

METABOLISM

- Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al.
J Endocrinol 59:7-16, Oct 73

PHARMACODYNAMICS

- Studies on the control of hemoglobin synthesis: a model of erythroid differentiation based upon the in vitro effect of erythropoietin and 5 beta-H steroids. Necbeles TF. *Haematol Bluttransfus* 10:53-9, 1972
- [The etiocholanolone test in the functional evaluation of partial and total medullary insufficiencies] Giralt M, et al.
Sangre (Barc) 18:170-7, 1973 (Eng. Abstr.) (Spa)

URINE

- The treatment of precocious puberty with cyproterone acetate. Rager K, et al.
Acta Endocrinol (Khh) 74:399-408, Oct 73
- The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73

FLUDROCORTISONE

- Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. *Steroids* 22:445-50, Sep 73

PHARMACODYNAMICS

- Effect of adrenal cortical steroids on liver regeneration. Gershbein LL.
J Surg Oncol 5:491-508, May 73

FLUMETHASONE

ADMINISTRATION & DOSAGE

Proceedings: The pharmacological control of the time of parturition in the ewe. Emadi M, et al.
Vet Rec 93:76, 21 Jul 73

PHARMACODYNAMICS

Proceedings: The pharmacological control of the time of parturition in the ewe. Emadi M, et al.
Vet Rec 93:76, 21 Jul 73

FLUCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

[Treatment of 2d degree burns with Oxycort-aerosol and Synalar ointment under occlusive dressings] Lańcucki J, et al.
Przegl Dermatol 60:537-42, Jul-Aug 73 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

Induction of acne by topical steroids. Plewig G, et al.
Arch Dermatol Forsch 247:29-52, 1973

ANALYSIS

High-efficiency liquid chromatography in pharmaceutical analysis. Bailey F, et al.
J Chromatogr 83:431-7, 29 Aug 73

THERAPEUTIC USE

Procedures for the clinical investigation of a topical corticosteroid. Craps L, et al.
Acta Derm Venereol [Suppl] (Stockh) 53:13-23, 1973
Controlled evaluation of a new topical corticosteroid in psoriasis. Rex IH Jr. Curr Ther Res 15:833-8, Nov 73
Quantitative effect of topically applied anti-inflammatory agents on external ocular inflammation in rats. Maistrello I, et al.
J Pharm Sci 62:1455-60, Sep 73
[Our experience with Acépreval a new topical non-fluorinated cortisone in dermatological therapy] Dumitriu R, et al. Praxis 62:970-2, 31 Jul 73 (Fre)
[Clinical experiences with flucloxonide FAPG] Reiffenstuhl B, et al.
Wien Med Wochenschr 123:555-6, 22 Sep 73 (Ger)
[Treatment of 2d degree burns with Oxycort-aerosol and Synalar ointment under occlusive dressings] Lańcucki J, et al.
Przegl Dermatol 60:537-42, Jul-Aug 73 (Eng. Abstr.) (Pol)

FLUPREDNISOLONE

PHARMACODYNAMICS

Effects of extended lactation and 9 alpha-fluoroprednisolone acetate on serum thyroxine and lactational performance. Lorscheider FL, et al.
J Endocrinol 58:393-403, Sep 73

GLUCOCORTICOIDS

ADMINISTRATION & DOSAGE

External otitis, acute diffuse. Evaluation of therapy. Senturia BH.
Ann Otol Rhinol Laryngol 82:1-23, Sep-Oct 73
Nuchal infiltrations as an office procedure. Toupin HM.
Can Med Assoc J 109:891 passim, 3 Nov 73
Changes in corticosteroid usage by chronic asthma patients during a year of cromoglycate treatment. Toogood JH, et al.
J Allergy Clin Immunol 52:334-45, Dec 73
XXVII Wherry Memorial Lecture. Steroid therapy in otolaryngology. Baker DC Jr.
Trans Am Acad Ophthalmol Otolaryngol 76:297-300, Mar-Apr 72
II. Medical treatment of inflammatory bowel disease. Gray GM. West J Med 119:21-4, Nov 73
[Glucocorticoids in virus hepatitis] Kaiser H.
Dtsch Med Wochenschr 98:1684, 7 Sep 73 (Ger)

ADVERSE EFFECTS

Destructive polyarthritis secondary to Mycobacterium kansasii. Girard DE, et al.
Arthritis Rheum 16:865-9, Sep-Oct 73
Value and toxicity of therapy for idiopathic nephrotic syndrome in the child. Murphy AV.
Nephron 11:163-73, 1973
XXVII Wherry Memorial Lecture. Steroid therapy in otolaryngology. Baker DC Jr.
Trans Am Acad Ophthalmol Otolaryngol 76:297-300, Mar-Apr 72
[Papilledema during corticoid therapy] Constantinides G, et al.
Bull Soc Ophthalmol Fr 72:1139-40, Nov 72 (Eng. Abstr.) (Fre)
[Pyoderma gangrenosum, trichophytosis superficialis, eczema herpeticatum, lupus vulgaris, acne urticaria, hypertrichosis faciei due to glucocorticoids, malignant reticulosis, dyskeratosis follicularis] Braun-Falco O, et al. Hautarzt 24:359-60, Aug 73 (Ger)
[Diabetogenic side effects of drug therapy] Jahnecke J. Med Klin 68:1046-52, 10 Aug 73 (Ger)
[Prophylaxis of various experimental cardiovascular diseases by catatoxic steroids (report) (author's transl)] Selye H.
Verh Dtsch Ges Kreislaufforsch 56:215-7, 1972 (Eng. Abstr.) (Ger)

ANALYSIS

Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. Steroids 22:445-50, Sep 73
[Quantitative estimation of unconjugated cortisol, cortisone, corticosterone, cortexone and cortexolone by thin-layer chromatography (author's transl)] Hartmann F, et al.
Res Exp Med (Berl) 161:165-74, 22 Aug 73 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Capacity for steroidogenesis of adrenals in hypophysectomized and adrenocorticotrophic hormone-treated hypophysectomized rats. Implication of a ribonucleic acid for hormone-induced steroidogenesis. Mostafapour MK, et al.
J Biol Chem 248:6674-8, 10 Oct 73
Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al.
J Endocrinol 58:485-91, Sep 73

BLOOD

Modulation of plasma aldosterone concentration by plasma potassium in anephric man in the absence of a change in potassium balance. Cooke CR, et al.
J Clin Invest 52:3028-32, Dec 73
[Types of the dynamics of plasma glucocorticoid content in posthypoxic states] Volkov AV.
Patol Fiziol Eksp Ter 17:15-20, May-Jun 73 (Eng. Abstr.) (Rus)

METABOLISM

Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al.
J Biol Chem 248:7625-30, 25 Nov 73
[Complex biochemical studies of the metabolic processes in glaucoma] Kasavina BS, et al.
Vestn Oftalmol 5:15-9, 1972 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylate cyclase and adenosine triphosphatase in pharmacologic regulation. Coffey RG, et al.
Int Arch Allergy Appl Immunol 45:593-611, 1973
Effect of corticosteroids on seasonal increases in IgE antibody. Henderson LL, et al.
J Allergy Clin Immunol 52:352-7, Dec 73
Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al.
J Biol Chem 248:7625-30, 25 Nov 73
Influence of glucocorticoids on glucagon secretion and plasma amino acid concentrations in man. Wise JK, et al. J Clin Invest 52:2774-82, Nov 73
Effect of adrenal cortical steroids on liver

- regeneration. Gershbein LL.
J Surg Oncol 5:491-508, May 73
- Revival of isolated hearts stopped with alcohol and glucocorticoids by nicotine and acetylcholine. Pathak CL. *Jap Heart J* 14:296-305, Jul 73
- Glucocorticoid properties of progestogens. Briggs MH, et al. *Steroids* 22:555-9, Oct 73
- XXVII Wherry Memorial Lecture. Steroid therapy in otolaryngology. Baker DC Jr.
Trans Am Acad Ophthalmol Otolaryngol 76:297-300, Mar-Apr 72
- [Von Zumbusch's generalized pustulous psoriasis and iodine hypersensitivity] Gutzwiller P.
Dermatologica 146:323-8, 1973 (Eng. Abstr.) (Ger)
- [Participation of steroids in the genesis of drug-induced morphologic changes (report) (author's transl)] Selye H.
Verh Dtsch Ges Kreislauvforsch 56:191-4, 1972 (Eng. Abstr.) (Ger)
- [Effect of glucocorticoids and cocarboxylase on the activity of alkaline phosphatase, peroxidase and m-peroxidases in neutrophils of the peripheral blood in the newborn with pneumonia] Bassalygo GA.
Pediatrilia 51:37-8, May 73 (Rus)

PHYSIOLOGY

- The pituitary and the development of surfactant in rabbit foetal lung. Ahmed A, et al.
J Pathol 110:p8, Jul 73
- The chalcones: a review. Bullough WS.
Natl Cancer Inst Monogr 38:5-16, Jul 73 (65 ref.)
- What is new in our understanding of perinatal pulmonary problems? Presidential address to the Society for Pediatric Research, May 19, 1973. Avery ME. *Pediatr Res* 7:842-5, Oct 73
- Effect of cold stress on mast cell formation in tissue culture. Török O, et al.
Z Mikrosk Anat Forsch 86:465-71, 1972

SECRETION

- [Glucocorticoid function in head injuries] Fossati P, et al.
Ann Endocrinol (Paris) 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [On a case of active hormonal adrenal neoplasm] Jekeli W, et al.
Pediatrilia (Bucur) 22:55-62, Jan-Feb 73 (Eng. Abstr.) (Rum)
- [Glucocorticoid function of the adrenal cortex in the pre- and postoperative period in congenital infundibuliform deformation of the chest and mitral stenosis in children] Voskan'iants OK.
Pediatrilia 51:79-80, May 73 (Rus)

THERAPEUTIC USE

- The treatment of terminal metamorphosis of chronic granulocytic leukaemia with corticosteroids and vincristine. Marmont AM, et al.
Acta Haematol (Basel) 50:1-8, 1973
- Multiple myeloma in childhood: report of a case with breast tumors as a presenting manifestation. Maeda K, et al. *Am J Clin Pathol* 60:552-8, Oct 73
- Carcinomatous optic neuropathy. Susac JO, et al. *Am J Ophthalmol* 76:672-9, Nov 73
- External otitis, acute diffuse. Evaluation of therapy. Senturia BH.
Ann Otol Rhinol Laryngol 82:1-23, Sep-Oct 73
- Control of fetal lung development in the rabbit. Chiswick ML, et al. *Arch Dis Child* 48:709-13, Sep 73
- Destructive polyarthritis secondary to *Mycobacterium kansasii*. Girard DE, et al.
Arthritis Rheum 16:665-9, Sep-Oct 73
- Treatment of asthma with beclomethasone dipropionate aerosol (preliminary observations). Kennedy MC, et al.
Bull Physiopathol Respir (Nancy) 9:816-9, May-Jun 73
- Fat embolism: a rational approach to treatment. Scott AA, et al. *Can Med Assoc J* 109:867-71, 3 Nov 73
- Walldius arthroplasty. A review of 80 cases. Freeman PA. *Clin Orthop* 94:85-91, Jul-Aug 73
- Management of the acute attack of migraine. Edmeads J. *Headache* 13:91-5, Oct 73
- Role of cell-mediated immunity in the recovery of cattle from primary and recurrent infections with infectious bovine rhinotracheitis virus. Davies DH, et al. *Infect Immun* 8:510-8, Oct 73
- Subjective symptoms of acute asthma within a

- heterogeneous sample of asthmatics. Kinsman RA, et al. *J Allergy Clin Immunol* 52:284-96, Nov 73
- Changes in corticosteroid usage by chronic asthma patients during a year of cromoglycate treatment. Toogood JH, et al.
J Allergy Clin Immunol 52:334-45, Dec 73
- Mediastinal and retropharyngeal hemorrhage. A complication of cardiac catheterization. Eshagby B, et al. *JAMA* 226:427-31, 22 Oct 73
- Aplastic anaemia in childhood: a reappraisal. II. Idiopathic and acquired aplastic anaemia. Hughes DW. *Med J Aust* 2:361-6, 25 Aug 73
- Value and toxicity of therapy for idiopathic nephrotic syndrome in the child. Murphy AV.
Nephron 11:163-73, 1973
- XXVII Wherry Memorial Lecture. Steroid therapy in otolaryngology. Baker DC Jr.
Trans Am Acad Ophthalmol Otolaryngol 76:297-300, Mar-Apr 72
- Treatment of shock caused by bacterial infections. Well MH, et al. *West J Med* 119:7-13, Nov 73
- [Comparison of stimulation therapy with glucocorticoid therapy in optic nerve inflammation] Beran V, et al.
Cesk Oftalmol 29:372-4, Sep 73 (Eng. Abstr.) (Cze)
- [Results obtained with a new beta-blocker, pindolol, in 40 patients with thyroid diseases] Laroche C, et al. *Ann Endocrinol (Paris)* 34:236-8, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Metapron test after treatment with slow-acting tetracosactide (slow-acting synactene)] Murie N, et al. *Ann Endocrinol (Paris)* 34:164-73, Mar-Apr 73 (Fre)
- [Viral hepatitis and medullary aplasia. Apropos of a case] Blanchon P, et al.
Ann Med Interne (Paris) 124:521-34, Jun-Jul 73 (Fre)
- [Papilledema during corticoid therapy] Constantinides G, et al.
Bull Soc Ophthalmol Fr 72:1139-40, Nov 72 (Eng. Abstr.) (Fre)
- [Acute epidermal necrolysis (Lyell's syndrome)] Hayat JC, et al.
Nouv Presse Med 2:2389-91, 13 Oct 73 (Eng. Abstr.) (Fre)
- [The methods and practical possibilities of obtaining complete control of trachoma] Blagojević M, et al. *Rev Int Trach* 50:1-174, May 73 (Eng. Abstr.) (Fre)
- [Hormonal (vasopressin-corticoid) treatment of 16 cases of inoperable cerebral tumors with little or no malignant potential] Bernard-Well E, et al.
Sem Hop Paris 49:1687-97, 14 May 73 (Eng. Abstr.) (Fre)
- [Treatment and surveillance of severe chronic respiratory insufficiency] Paramelle B, et al.
Sem Hop Paris 49:2155-8, 20 Jun 73 (Fre)
- [Diabetogenic side effects of drug therapy] Jahnecke J. *Med Klin* 68:1046-52, 10 Aug 73 (Ger)
- [Specific therapy of neurosyphilis] Goerz G, et al. *Med Welt* 24:980-2, 8 Jun 73 (Ger)
- [Treatment of periarthritis nodosa using immunosuppressants and glucocorticoids] Lühtrath H, et al. *Med Welt* 24:1129-32, 13 Jul 73 (Ger)
- [Prophylaxis of various experimental cardiovascular diseases by catatoxic steroids (report) (author's transl)] Selye H.
Verh Dtsch Ges Kreislauvforsch 56:215-7, 1972 (Eng. Abstr.) (Ger)
- [Toxoplasmosis and generalized mycosis after treatment of chronic myelosis (author's transl)] Musil A, et al.
Zentralbl Allg Pathol 117:110-7, 1973 (Eng. Abstr.) (Ger)
- [Clinical evaluation of the action of Lysocorticone associated with Lysoarthrosis] Mascaretti L. *Minerva Med* 64:3127-34, 1 Sep 73 (Eng. Abstr.) (Ita)
- [Glucocorticoids and infectious diseases] Laake H, et al. *Tidsskr Nor Laegeforen* 93:942-3, 10 May 73 (Nor)
- [Hemophilia A complicated by the presence of a circulating anticoagulant] Zawilska K, et al.
Acta Haematol Pol 4:265-8, Jul-Sep 73 (Eng. Abstr.) (Pol)
- [2 cases of thrombocytopenic purpura in children diagnosed as acute leukemia] Armata J, et al. *Wlad Lek* 26:1861-4, 1 Oct 73 (Eng. Abstr.) (Pol)
- [Resection of the lung with suboperative irradiation for cancer in patients after long-term treatment with glucocorticoids] Shevchenko IT, et al.
Klin Khir 1:65-6, Jan 73 (Rus)
- [Treatment of Botkin's disease with heparin] Pateluk VG, et al. *Klin Med (Mosk)* 51:113-7, Mar 73 (Rus)
- [State of the pancreas in chronic nonspecific infectious

polyarthritis in relation to glucocorticoid treatment] Mitropol'skii AN.

Sov Med 35:86-9, Jun 72 (Eng. Abstr.) (Rus)

[The glucocorticoid and androgenic functions of the adrenal cortex in lumbosacral radiculitis] Ishchenko MM, et al.

Zh Nevropatol Psikhiatr 73:324-7, 1973 (Eng. Abstr.) (Rus)

[Pulmonary alveolar fibrosis caused by Myleran (busulfan)] Etcheberry R, et al.

Rev Med Chli 101:42-6, Jan 73 (Eng. Abstr.) (Spa)

URINE

Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H.

Acta Obstet Gynecol Scand [Suppl] 1-78, 1973

Effect of immunotropic drugs on adrenocortical functions. Patkowski J, et al.

Acta Physiol Pol 24:561-70, Jul-Aug 73

[Clinical importance of the circadian rhythm of some physiological functions of child's body] Tabolin VA, et al. Cesk Pediatr 28:396-8, Aug 73 (Cze)

[The glucocorticoid and androgenic functions of the adrenal cortex in lumbosacral radiculitis] Ishchenko MM, et al.

Zh Nevropatol Psikhiatr 73:324-7, 1973 (Eng. Abstr.) (Rus)

[Paramethasone in rheumatoid arthritis. Comparison of its clinical aspects using the oral and intramuscular route of administration] Badia Flores J, et al. Prensa Med Mex 38:57-60, Jan-Feb 73 (Spa)

HYDROCORTISONE

Rosette inhibition test in severely burned patients. Chapel HM, et al. Br Med J 4:385-8, 17 Nov 73

Effect of cortisone upon serial passage with the human hookworm, Necator americanus in golden hamsters, Mesocricetus auratus. Sen HG, et al.

Indian J Med Res 61:486-94, Apr 73

Nonsink dissolution rate equation. Pothisiri P, et al. J Pharm Sci 62:1468-70, Sep 73

Synthesis of 21-3H-corticosteroids. Willingham AK, et al. Steroids 22:539-46, Oct 73

[Conservation of donated kidneys by machine] Dreikorn K, et al.

Helv Chir Acta 40:489-95, Sep 73 (Ger)

ADMINISTRATION & DOSAGE

Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al.

Acta Paediatr Scand 62:513-9, Sep 73

Distribution of 3H-hydrocortisone in dogs with hemorrhagic shock. Corwin DS, et al.

Am J Vet Res 34:1015-9, Aug 73

Postoperative endophthalmitis following cataract surgery. Effects on subconjunctival antibiotics and other factors. Christy NE, et al.

Arch Ophthalmol 90:361-6, Nov 73

Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels. Dafny N, et al. Brain Res 59:257-72, 14 Sep 73

Role of the adrenal glands in the development of severe hypertension. Carretero OA, et al.

Circ Res 33:516-20, Nov 73

Anti-shock action of steroids other than cortisone. Novelli GP, et al. Eur Surg Res 5:169-74, 1973

Effects of microelectrophoretically administered cortisol on single cell activity in the tuberous hypothalamus of the rat. Mandelbrod I, et al.

Isr J Med Sci 9:1058-61, Aug 73

Induced LH release in spayed cows. Short RE, et al. J Anim Sci 37:551-7, Aug 73

Experimental maduromycosis. I. Infection of mice with Phialophora jeanselmei. Rao VK, et al.

Mycopathol Mycol Appl 51:119-26, 28 Sep 73

Amino acid naphthylamidases in the synovial fluid of patients with rheumatoid arthritis. The effect of intra-articular corticosteroid treatment. Lemperg R, et al. Scand J Rheumatol 2:17-20, 1973

Estimation of hydrocortisone dose and optimal gestation period for cleft palate induction in golden hamsters. Chaudhry AP, et al.

Teratology 8:139-42, Oct 73

[Hydrocortisone therapy of the AGS (adrenogenital

syndrome)] Rager K, et al.

Monatsschr Kinderheilkd 121:411-2, Jul 73 (Ger)

[Treatment of severe forms of alopecia areata by means of intralesional subcutaneous injections of hydrocortisone acetate suspension] Machofko T.

Przegl Dermatol 60:531-6, Jul-Aug 73 (Eng. Abstr.) (Pol)

ANALYSIS

Distribution of 3H-hydrocortisone in dogs with hemorrhagic shock. Corwin DS, et al.

Am J Vet Res 34:1015-9, Aug 73

Determination of amniotic fluid lecithin with a gas phase thin-layer chromatographic detector.

Laatikainen T, et al.

Scand J Clin Lab Invest 31:347-51, May 73

Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al.

Steroids 22:445-50, Sep 73

[Quantitative estimation of unconjugated cortisol, cortisone, corticosterone, cortexone and cortexolone by thin-layer chromatography (author's transl)] Hartmann F, et al.

Res Exp Med (Berl) 161:165-74, 22 Aug 73 (Eng. Abstr.) (Ger)

[Diagnostic importance of free urinary corticoids in obesity and in disorders of adrenal cortex function] Köbberling J, et al.

Schweiz Med Wochenschr 103:1347-54, 29 Sep 73 (Ger)

[Genesis and prognostic significance of juvenile hypercorticism] Vasiukova EA, et al.

Vopr Okhr Materin Det 18:48-52, Jun 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

Vitamin A: adjuvant and steroid antagonist in the immune response. Cohen BE, et al.

J Immunol 111:1376-80, Nov 73

BIOSYNTHESIS

The role of cortisol in human parturition. Pokoly TB.

Am J Obstet Gynecol 117:549-53, 15 Oct 73

Factors affecting the adrenocorticotrophic hormone stimulation of rabbit adrenal 17alpha-hydroxylase activity. Fevold HR, et al.

Biochim Biophys Acta 313:211-20, 20 Jun 73

In vitro steroidogenesis in feline testes. O R, et al. Biochim Biophys Acta 316:395-402, 25 Sep 73

Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al.

J Endocrinol 58:485-91, Sep 73

BLOOD

Paradoxical response of plasma cortisol to pulse intravenous injection of synthetic corticotrophin and dibutyryl cyclic adenosine 3',5'-monophosphate in adult panhypopituitarism. Angell A, et al.

Acta Endocrinol (Kbh) 74:250-62, Oct 73

Adrenergic control mechanism for ACTH secretion in man. Nakai Y, et al.

Acta Endocrinol (Kbh) 74:263-70, Oct 73

The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia.

Pham-Huu-Trung MT, et al.

Acta Endocrinol (Kbh) 74:316-30, Oct 73

Factors affecting peripheral cortisol levels in unrestricted ewes. Thurley DC, et al.

Acta Endocrinol (Kbh) 74:331-7, Oct 73

Susceptibility of mice to airborne Klebsiella pneumoniae infection in helium-oxygen atmospheres.

Ross HC, et al. Aerosp Med 44:1009-12, Sep 73

Objective evaluation of hydroxyzine as preanesthetic medication. Matsuki A, et al.

Agressologie 14:67-72, 1973

The levodopa test of growth hormone reserve in children. Porter BA, et al.

Am J Dis Child 126:589-92, Nov 73

Cushing's syndrome: a prospective study of diagnostic methods. Eddy RL, et al. Am J Med 55:621-30, Nov 73

The role of cortisol in human parturition. Pokoly TB.

Am J Obstet Gynecol 117:549-53, 15 Oct 73

Increased aldosterone secretion during sodium depletion with inhibition of renin release. Blair-West Jr, et al. Am J Physiol 224:1409-14, Jun 73

Distribution of 3H-hydrocortisone in dogs with

- hemorrhagic shock. Corwin DS, et al. *Am J Vet Res* 34:1015-9, Aug 73
- Beciomethasone dipropionate aerosol in childhood asthma. Dickson W, et al. *Arch Dis Child* 48:671-5, Sep 73
- Beciomethasone aerosol in childhood asthma. Godfrey S, et al. *Arch Dis Child* 48:665-70, Sep 73
- Plasma cortisol levels in malnourished children with and without superimposed acute stress. Paisley RB, et al. *Arch Dis Child* 48:714-8, Sep 73
- Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
- Circadian rhythms in the concentrations of protein and the main electrolytes in human unstimulated parotid saliva. Dawes C, et al. *Arch Oral Biol* 18:1233-42, Oct 73
- Letter: Adrenal failure in bronchial asthma. Cooke NJ, et al. *Br Med J* 4:49, 6 Oct 73
- Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels. Dafny N, et al. *Brain Res* 59:257-72, 14 Sep 73
- Relative influence of acute sodium and volume depletion on aldosterone secretion in nephrectomized man. McCaa RE, et al. *Circ Res* 33:555-62, Nov 73
- Influence of acute stimuli on plasma aldosterone concentration in anephric man and kidney allograft recipients. McCaa RE, et al. *Circ Res* 33:313-22, Sep 73
- Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome. Schmitt KW, et al. *Clin Chem* 19:1067-8, Sep 73
- 125I-labelled cortisol-TME for competitive protein binding. Maivano R, et al. *Clin Chim Acta* 47:167-73, 30 Aug 73
- The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73
- Relationship between plasma cortisol and peak expiratory flow rate in exercise-induced asthma and the effect of sodium cromoglycate. Jaffe P, et al. *Clin Sci Mol Med* 45:533-41, Oct 73
- Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al. *Cornell Vet* 63:646-65, Oct 73
- Effects of artificial mothers and visual experience on adrenal responsiveness of infant monkeys. Hill SD, et al. *Dev Psychobiol* 6:421-9, Sep 73
- Corticosteroid levels in the mother and fetus of the rabbit during gestation. Mulay S, et al. *Endocrinology* 93:1342-8, Dec 73
- Vitamin C: plasma and taste threshold circadian rhythms, their relationship to plasma cortisol. Loh HS, et al. *Int J Vitam Nutr Res* 43:355-62, 1973
- Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. *Invest Urol* 11:194-7, Nov 73
- Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73
- Quantitative determination of corticosteroids from plasma by high-pressure liquid chromatography. Wortmann W, et al. *J Chromatogr* 84:396-401, 26 Sep 73
- Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73
- Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. I. Thyroid-stimulating hormone, growth hormone and cortisol. Alford FP, et al. *J Clin Endocrinol Metab* 37:841-7, Dec 73
- A modified competitive protein-binding determination for cortisol. Cox RA, et al. *J Clin Endocrinol Metab* 37:670-3, Nov 73
- Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. Ganguly A, et al. *J Clin Endocrinol Metab* 37:765-75, Nov 73
- Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH. Hashimoto T, et al. *J Clin Endocrinol Metab* 37:910-6, Dec 73
- Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al. *J Clin Endocrinol Metab* 37:540-9, Oct 73
- A simple precipitin test for corticosteroid-binding globulin: use in a search for the absence of corticosteroid-binding globulin in 10,000 subjects. Rosner W, et al. *J Clin Endocrinol Metab* 37:983-5, Dec 73
- Alpha-MSH stimulation of growth hormone release. Strauch G, et al. *J Clin Endocrinol Metab* 37:990-3, Dec 73
- Effect of propranolol on plasma growth hormone response in insulin-induced hypoglycemia in thyrotoxic patients. Yeung RT. *J Clin Endocrinol Metab* 37:968-71, Dec 73
- The episodic nature of changes in ovine plasma cortisol levels and their response to adrenaline during adaptation to a new environment. McNatty KP, et al. *J Endocrinol* 59:171-80, Oct 73
- Radioimmunoassay measurements of serum cortisol, thyroxine, growth hormone and luteinizing hormone with simultaneous electroencephalographic changes during continuous noise in man. Favino A, et al. *J Nucl Biol Med* 17:119-22, Jul-Sep 73
- Rate of uptake of endogenous cortisol by the left ventricle of the anaesthetized dog during ventilation with ambient air and during hypoxia. Kolanowski J, et al. *J Physiol (Lond)* 233:519-27, Sep 73
- Circadian rhythm of plasma testosterone, cortisol and gonadotropins in normal male subjects. Piro C, et al. *J Steroid Biochem* 4:321-9, May 73
- Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. *J Urol* 110:410-2, Oct 73
- Dynamic studies of aldosterone in anephric man. Weldmann P, et al. *Kidney Int* 4:289-98, Oct 73
- Studies on the metabolism of aldosterone in chronic renal failure and anephric man. Williams GH, et al. *Kidney Int* 4:280-8, Oct 73
- Cortisol metabolism in glucose-6-phosphate dehydrogenase deficiency. So PL, et al. *Metabolism* 23:1443-8, Nov 73
- Letter: Uterine activity following intravenous administration of oxytocin to foetal sheep. Nathanielsz PW, et al. *Nature* 243:471-2, 22 Jun 73
- Unconjugated estrogens in the perinatal period. Kenny FM, et al. *Pediatr Res* 7:826-31, Oct 73
- Response to 2-deoxy-D-glucose and to glucagon in "ketotic hypoglycemia" of childhood: evidence for epinephrine deficiency and altered alanine availability. Sizonenko PC, et al. *Pediatr Res* 7:983-93, Dec 73
- The mechanism of initiation of parturition in the ewe. Liggins GC, et al. *Recent Prog Horm Res* 29:111-59, 1973
- Effect of nicotinic-acid-induced variation of plasma free fatty acids on some hormones in starving subjects. Kagedal B, et al. *Scand J Clin Lab Invest* 31:331-6, May 73
- A plasma dexamethasone radioimmunoassay. Melkile AW, et al. *Steroids* 22:193-202, Aug 73
- [Glucocorticoid function in head injuries] Fossati P, et al. *Ann Endocrinol (Paris)* 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)
- [The year in endocrinology] Albeaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)
- [Serum and dialysate levels of corticosteroids in long-term haemodialysis (author's transl)] Asbach HW, et al. *Dtsch Med Wochenschr* 98:1758-62, 21 Sep 73 (Eng. Abstr.) (Ger)
- [Oral contraceptives and glaucoma (author's transl)] Weinstein P, et al. *Klin Monatsbl Augenheilkd* 162:798-800, Jun 73 (Eng. Abstr.) (Ger)
- [Endocrine dwarfism and diabetes insipidus as sequelae of meningeal tuberculosis] Andler W. *Klin Paediatr* 185:213-6, May 73 (Ger)
- [Methodological difficulties in the determination of steroid hormones by protein binding methods (author's transl)] Breuer H. *Z Klin Chem Klin Biochem* 11:357-61, Aug 73 (Eng. Abstr.) (Ger)
- [The hyperinsulinic syndrome with diabetes mellitus in the development of human obesity] Egan C, et al. *Stud Cercet Endocrinol* 24:373-85, 1973 (Rum)

DIAGNOSTIC USE

- [Transfusions of normal granulocytes collected with the I.B.M. separator cell. Technical and clinical results (author's transl)] Benbunan M, et al. *Nouv Rev Fr Hematol* 13:469-85, Jul-Aug 73 (Eng. Abstr.) (Fre)

METABOLISM

- The effect of substrates and products of steroid bioconversion on microorganism metabolism. Sedlacek L, et al. *Acta Microbiol Pol [B]* 5:163-70, 1973
- Distribution of 3H-hydrocortisone in dogs with hemorrhagic shock. Corwin DS, et al. *Am J Vet Res* 34:1015-9, Aug 73
- Conversion of hydrocortisone to estrogen in carcinoma of the breast after oophorectomy and adrenalectomy. Stonesifer GL Jr, et al. *Ann Surg* 178:563-4, Nov 73
- Accelerated catabolism of hydrocortisone in isolated perfused liver of tumor-bearing rats. Bartosiek I, et al. *Biochem Pharmacol* 22:2429-31, 1 Oct 73
- On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA. *Biochim Biophys Acta* 322:68-74, 21 Sep 73
- Testosterone-binding globulin in stump-tailed macaque monkeys (*Macaca speciosa*). Gauthier-Wright F, et al. *Endocrinology* 93:1277-86, Dec 73
- Letter: Presence of steroid-binding macromolecule in the retina. Ono S, et al. *Exp Eye Res* 16:517-8, Sep 73
- Isolation and identification of four new carboxylic acid metabolites of cortisol in man. Bradlow HL, et al. *J Clin Endocrinol Metab* 37:811-8, Nov 73
- C-21 oxidation of cortisol in man. Bradlow HL, et al. *J Clin Endocrinol Metab* 37:805-10, Nov 73
- Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:463-75, Sep 73
- Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73
- Transport of cortisol, progesterone and cholesterol across isolated mesentery. Effect of metyrapone. Couturier E, et al. *J Membr Biol* 13:89-96, 30 Aug 73
- Rate of uptake of endogenous cortisol by the left ventricle of the anaesthetized dog during ventilation with ambient air and during hypoxia. Kolanowski J, et al. *J Physiol (Lond)* 233:519-27, Sep 73
- Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction. Argüelles AE, et al. *J Steroid Biochem* 4:427-32, Jul 73
- Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al. *J Steroid Biochem* 4:369-79, Jul 73
- The kinetics of cortisol dissociation from purified human corticosteroid-binding globulin: studies in a flowing system. Rosner W, et al. *J Steroid Biochem* 4:249-55, May 73
- Isolation and characterization of cortisol metabolites from liver of adrenalectomized rats. Tsong YY, et al. *J Steroid Biochem* 4:239-48, May 73
- Viral hepatitis: metabolic studies during acute and convalescent phase. Vieweg WV, et al. *Med Ann DC* 42:480-5, Oct 73
- Steroid hormone production by pig blastocysts. Perry JS, et al. *Nature* 245:45-7, 7 Sep 73
- Maturity of the pituitary-adrenal axis in the newborn dog. Muelhelms GH, et al. *Proc Soc Exp Biol Med* 143:1197-200, Sep 73
- Some properties of cortisol-receptor complex isolated from cytoplasm of rat liver and its effect on biosynthesis of nuclear RNA. Ribarac-Stepic N, et al. *Steroids* 22:155-69, Aug 73
- The growth promoting effect of cortisol on human fetal lung cells. Smith BT, et al. *Steroids* 22:515-24, Oct 73

PHARMACODYNAMICS

- The effect of substrates and products of steroid bioconversion on microorganism metabolism. Sedlacek L, et al. *Acta Microbiol Pol [B]* 5:163-70, 1973
- Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al. *Acta Paediatr Scand* 62:513-9, Sep 73
- Molecular properties and metabolic control of the "ureotelic" arginase from chicken liver. Grazi E. *Acta Vitaminol Enzymol (Milano)* 27:37-50, 1973
- The involvement of repletive DNA in the antibody response. Cohen EP, et al. *Ann NY Acad Sci* 207:83-103, 31 May 73
- The nature of antigen-ribonucleoprotein complexes.

- Gottlieb AA, et al. *Ann NY Acad Sci* 207:279-87, 31 May 73
- The mechanism of inhibition of rat liver tryptophan pyrrolase activity by 4-hydroxypyrazolo(3,4-d)pyrimidine (Allopurinol). Badawy AA, et al. *Biochem J* 133:585-91, Jul 73
- Studies on the biochemical basis of oxygen toxicity. Allen JE, et al. *Biochim Biophys Acta* 320:708-28, 5 Oct 73
- The diurnal variation of peptidyl proline hydroxylase activity in different tissues of the rat. Cutroneo KR, et al. *Biochim Biophys Acta* 320:227-31, 14 Sep 73
- Characterization of a distinct glucocorticoid-binding protein in the lactating mammary gland of the rat. Gardner DG, et al. *Biochim Biophys Acta* 320:617-27, 5 Oct 73
- A common component involved in the induction of hepatic tyrosine transaminase by hydrocortisone and glucagon. McNamara DJ, et al. *Biochim Biophys Acta* 313:356-62, 28 Jul 73
- Specific changes in the activity of tyrosine aminotransferase isoenzymes in rat liver after cortisol treatment and partial hepatectomy. Mertvetsov NP, et al. *Biochim Biophys Acta* 315:61-5, 5 Jul 73
- Heterogeneity of the hydrocortisone-resistant cell subpopulation in the mouse thymus. Dumont F, et al. *Biomedicine [Express]* 19:257-60, 20 Jun 73
- Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels. Dafny N, et al. *Brain Res* 59:257-72, 14 Sep 73
- Changes in acidic chromatin proteins during mammary cell differentiation. Kadohama N, et al. *Can J Biochem* 51:1167-76, Aug 73
- The effect of 18-hydroxycorticosterone on the salt-secreting gland of the duck (*Anas platyrhynchos*). Lanthier A, et al. *Can J Physiol Pharmacol* 51:776-8, Oct 73
- Effect of various steroids on the hepatic glucuronidation and biliary excretion of bilirubin. Solymoss B, et al. *Can J Physiol Pharmacol* 51:319-23, May 73
- Specific glucocorticoid binding in human hemopoietic cell lines and neoplastic tissue. Gallani S, et al. *Cancer Res* 33:2653-7, Nov 73
- The protective effect of estradiol-17 beta against polycyclic hydrocarbon cytotoxicity. Schwartz AG. *Cancer Res* 33:2431-6, Oct 73
- Role of the adrenal glands in the development of severe hypertension. Carretero OA, et al. *Circ Res* 33:516-20, Nov 73
- Lymphocyte activation. V. Quantitation of the proliferative responses to mitogens using defined T and B cell populations. Janossy G, et al. *Clin Exp Immunol* 14:581-96, Aug 73
- Epinephrine deficiency potentiates cortisol elevation of glucose turnover in the dog. Rathgeb I, et al. *Endocrinology* 93:1336-41, Dec 73
- Hypertrophy of the ACTH-producing cell following adrenalectomy: a quantitative electron microscopic study. Siperstein ER, et al. *Endocrinology* 93:1257-68, Dec 73
- Accumulation of amylase by chick pancreas in organ culture. Effect of hydrocortisone. Yalovsky U, et al. *Exp Cell Res* 80:322-8, Aug 73
- Plasma hippuryl-L-lysine hydrolase in tourniquet shock. Nakahara M. *Experientia* 29:999-1000, 15 Aug 73
- Correlation of physicochemical parameters and biological activity in steroids. 9Alpha-substituted corticoid derivatives. Wolff ME, et al. *Experientia* 29:1111-3, 15 Sep 73
- The mechanisms of choleresis. Erlinger S. *Helv Med Acta* 37:153-60, Sep 73
- Histochemically demonstrable increase in the catecholamine content of the carotid body in adult rats treated with methylprednisolone or hydrocortisone. Korkala O, et al. *Histochem J* 5:479-85, Sep 73
- Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylate cyclase and adenosine triphosphatase in pharmacologic regulation. Coffey RG, et al. *Int Arch Allergy Appl Immunol* 45:593-611, 1973
- Effects of microelectrophoretically administered cortisol on single cell activity in the tuberal hypothalamus of the rat. Mandelbrod I, et al. *Isr J Med Sci* 9:1058-61, Aug 73
- Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73

Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al. *J Biol Chem* 248:7625-30, 25 Nov 73

Role of the adrenal cortex in the adaptation of the monotreme *Tachyglossus aculeatus* to low environmental temperature. Augée ML, et al. *J Endocrinol* 58:513-23, Sep 73

Effect of cortisol treatment on free amino acid levels in rats. De Loecker W, et al. *J Endocrinol* 59:57-63, Oct 73

Effects of various additives on in vitro survival time of human fibroblasts. Hochschild R. *J Gerontol* 28:450-1, Oct 73

Effects of aldosterone and cortisol on the renal concentrating mechanism. Cooke CR, et al. *J Lab Clin Med* 82:784-92, Nov 73

Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. *J Steroid Biochem* 4:341-7, Jul 73

Effect of adrenal cortical steroids on liver regeneration. Gershline LL. *J Surg Oncol* 5:491-508, May 73

Revival of isolated hearts stopped with alcohol and glucocorticoids by nicotine and acetylcholine. Pathak CL. *Jap Heart J* 14:296-305, Jul 73

Regulation of mitosis in the embryonic kidney (*Xenopus laevis*) by kidney growth inhibitor (chalone). Chopra DP. *Natl Cancer Inst Monogr* 38:189-96, Jul 73

The melanocyte chalone. Dewey DL. *Natl Cancer Inst Monogr* 38:213-6, Jul 73

The epidermal chalone and keratinizing epithelia. Laurence EB. *Natl Cancer Inst Monogr* 38:61-8, Jul 73

The hepatic chalone. Verly WG. *Natl Cancer Inst Monogr* 38:175-84, Jul 73

Influence of cell-free ascites fluid and adenosine 3'5'-cyclic monophosphate upon the cell kinetics of Ehrlich's ascites carcinoma. Cooper PR, et al. *Nature* 241:457-8, 16 Feb 73

Pituitary extracts and steroid hormones in the control of 3T3 cell growth. Armelin HA. *Proc Natl Acad Sci USA* 70:2702-6, Sep 73

Maximal concanavalin A-specific agglutinability without loss of density-dependent growth control. Glynn RD, et al. *Proc Natl Acad Sci USA* 70:2676-7, Sep 73

S-adenosylmethionine: guanidinoacetate N-methyltransferase activities in livers from rats with hormonal deficiencies or excesses. Carlson M, et al. *Proc Soc Exp Biol Med* 143:1256-9, Sep 73

Functional and morphological alterations produced in target cells by anti-inflammatory steroids. Dougherty TF, et al. *Recent Prog Horm Res* 29:287-328, 1973

Induction of hepatic tyrosine aminotransferase by tyrosine-copper(II)-complex. Misra CH, et al. *Res Commun Chem Pathol Pharmacol* 6:783-6, Sep 73

Permeability of lysosomes and mitochondria in cultured rat heart muscle and endothelial cells as affected by vitamin A, chlorpromazine, amphotericin B, and clofibrate. Wenzel DG, et al. *Res Commun Chem Pathol Pharmacol* 6:689-700, Sep 73

Neurons of the hypothalamus concentrate (3H)progesterone or its metabolites. Sar M, et al. *Science* 182:1266-8, 21 Dec 73

Retinyl acetate: effect on cellular content of RNA in epidermis in cell culture in chemically defined medium. Sporn MB, et al. *Science* 182:722-3, 16 Nov 73

Effect of hormones on puffing in *Chironomus thummi thummi* Kleffer. Korochkina LS, et al. *Sov J Dev Biol* 3:139-46, Mar-Apr 72

Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73

Some properties of cortisol-receptor complex isolated from cytoplasm of rat liver and its effect on biosynthesis of nuclear RNA. Ribarac-Stépán N, et al. *Steroids* 22:155-69, Aug 73

The growth promoting effect of cortisol on human fetal lung cells. Smith BT, et al. *Steroids* 22:515-24, Oct 73

[Early effect of cortisol on glucose phosphatase activity in the rat liver] Angelov E. *Eksp Med Morfol* 11:124-8, 1972 (Eng. Abstr.) (Bul)

[Neuro-hormonal control of the secretion of the p.i.f. (author's transl)] Marchandise B. *Ann Endocrinol (Paris)* 34:308-10, May-Jun 73 (Fre)

[Methods and application of the organ culture technique in clinical and experimental cancer research (author's transl)] Matthias M. *Arch Geschwulstforsch* 41:382-97, 1973 (150 ref.) (Eng. Abstr.) (Ger)

[Effect of hormones on water-electrolyte metabolism] Dedov II, et al.

Izv Akad Nauk SSSR [Biol] 4:525-32, Jul-Aug 73 (Eng. Abstr.) (Rus)

[Effect of hydrocortisone on the incorporation of glycine-1-C 14 into liver glycogen and exhaled carbon dioxide] Kendysh IN. *Probl Endokrinol (Mosk)* 19:79-82, Sep-Oct 73 (Eng. Abstr.) (Rus)

SECRETION

Systemic lupus erythematosus with adrenal insufficiency. Elcbner HL, et al. *Am J Med* 55:700-5, Nov 73

Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73

Quantitative relations of fetal and maternal pituitary-adrenal systems. Jackson BT, et al. *J Clin Invest* 52:3154-60, Dec 73

[Recent data concerning the corticosteroid hormones] Legrand JC, et al. *Acquis Med Recent* 21-32, 1972 (Fre)

[Diagnostic importance of free urinary corticoids in obesity and in disorders of adrenal cortex function] Köhberling J, et al. *Schweiz Med Wochenschr* 103:1347-54, 29 Sep 73 (Ger)

THERAPEUTIC USE

The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia. Pham-Huu-Trung MT, et al. *Acta Endocrinol (Kbh)* 74:316-30, Oct 73

Pseudocroup with stridor. Flisberg K, et al. *Acta Otolaryngol (Stockh)* 76:295-9, Oct 73

Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al. *Acta Paediatr Scand* 62:513-9, Sep 73

Experimental intestinal ischemia shock in dogs. Manohar M, et al. *Am J Physiol* 225:887-92, Oct 73

Conversion of hydrocortisone to estrogen in carcinoma of the breast after oophorectomy and adrenalectomy. Stonesifer GL Jr, et al. *Ann Surg* 178:563-4, Nov 73

Heparin therapy in meningococcal septicemia. Smith AD. *Arch Dis Child* 48:748, Sep 73

Letter: Anaphylactic reaction induced by infusion of haemacel. Lund N. *Br J Anaesth* 45:929, Aug 73

A trial of hydrocortisone butyrate in the treatment of rosacea and perioral dermatitis. Sneddon I. *Br J Dermatol* 89:505-8, Nov 73

Letter: Hypotension in tetanus. Festein B. *Br Med J* 3:635-6, 22 Sep 73

Systemic lupus erythematosus and acute myocardial infarction. Jensen G, et al. *Chest* 64:653-4, Nov 73

Simplified physiologic management of status asthmaticus in children. Kampschulte S, et al. *Crit Care Med* 1:69-74, Mar-Apr 73

Combined steroid-antinflective topical therapy in common dermatoses: a double-blind, multi-center study of iodochlorhydroxyquin-hydrocortisone in 277 patients. Carpenter CL Jr, et al. *Curr Ther Res* 15:650-9, Sep 73

A double-blind, comparative study of benzoyl peroxide, benzoyl peroxide-chlorhydroxyquinoline, benzoyl peroxide-chlorhydroxyquinoline-hydrocortisone, and placebo lotions in acne. Ede M. *Curr Ther Res* 15:624-9, Sep 73

Anti-shock action of steroids other than cortisone. Novelli GP, et al. *Eur Surg Res* 5:169-74, 1973

Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al. *J Neurol Neurosurg Psychiatry* 36:864-73, Oct 73

Snake bites in children. Henderson BM, et al. *J Pediatr Surg* 8:729-33, Oct 73

Quantitative effect of topically applied anti-inflammatory agents on external ocular inflammation in rats. Malstrello I, et al. *J Pharm Sci* 62:1455-60, Sep 73

Interactions of aspirin, indomethacin and other drugs in adjuvant-induced arthritis in the rat. Van Arman CG, et al. *J Pharmacol Exp Ther* 187:400-14, Nov 73

Endotoxin shock in infants and children. Sonnenschein H. *Med Trial Tech Q* 134-43, 1973

Pasteurella meningitis. Cooper A, et al. *Neurology (Minneap)* 23:1097-100, Oct 73

Hypercalcemia complicating breast cancer. Clinical features and management. Davis HL Jr, et al. *Oncology* 28:126-37, 1973

- Thrombotic thrombocytopenic purpura. Burr WA. *Proc R Soc Med* 66:650-2, Jul 73
- Use and abuse of remedial therapy--methods of evaluation. Wright V. *Proc R Soc Med* 66:787-90, Aug 73
- Addison's disease due to *Histoplasma capsulatum*. Rooyen RJ van, et al. *S Afr Med J* 47:1953-5, 20 Oct 73
- Amino acid naphthylamidases in the synovial fluid of patients with rheumatoid arthritis. The effect of intra-articular corticosteroid treatment. Lemperg R, et al. *Scand J Rheumatol* 2:17-20, 1973
- Dupuytren's contracture: a review. Vijanto JA. *Semin Arthritis Rheum* 3:155-76, 1973 (69 ref.)
- II. Medical treatment of inflammatory bowel disease. Gray GM. *West J Med* 119:21-4, Nov 73
- [Initial experience in application of a combination of Chinese and Western medicine to treat acute myocardial infarct] *Chin Med J* 1:29-32, 1973 (Eng. Abstr.) (Chl)
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al. *Ann Endocrinol (Paris)* 34:206-15, Mar-Apr 73 (Fre)
- [Adipsia and Korsakoff's syndrome following hypophysectomy] Klotz HP, et al. *Ann Endocrinol (Paris)* 34:156-63, Mar-Apr 73 (Fre)
- [Thrombopenic purpura with cyclic megakaryocytopenia] Caen J, et al. *Nouv Rev Fr Hematol* 13:576-80, Jul-Aug 73 (Fre)
- [Hydrocortisone therapy of the AGS (adrenogenital syndrome)] Rager K, et al. *Monatsschr Kinderheilkd* 121:411-2, Jul 73 (Ger)
- [Congenital adrenal cortex hyperplasia (AGS). Clinical courses following diagnostic and therapeutic omissions] Stolecke H, et al. *Monatsschr Kinderheilkd* 121:409-10, Jul 73 (Ger)
- [Possibilities and limitations of intensive therapy of apoplexy] Zaffiri O, et al. *Minerva Anestesiol* 39:360-3, Jul-Aug 73 (Ita)
- [Treatment of severe forms of alopecia areata by means of intralesional subcutaneous injections of hydrocortisone acetate suspension] Machonko T. *Przegl Dermatol* 60:531-6, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Treatment of tubal diseases] Sarafoleanu D. *Otorinolaringologie* 18:339-52, Sep-Oct 73 (Eng. Abstr.) (Rum)
- [Experience with the intravenous use of hydrocortisone in the therapy of hyperpyretic states in young children] Titov MB, et al. *Pediatrilia* 51:75-8, Nov 72 (Rus)
- [Effect of corticosteroid hormones on erythropoiesis in toxic lead anemia] Makotchenko VM. *Probl Gematol Pereliv Krovi* 17:57-60, Nov 72 (Eng. Abstr.) (Rus)
- [Vasomotor monochorditis in persons whose occupation requires the use of voice] Vasilenko IuS. *Vestn Otorinolaringol* 35:77-80, Sep-Oct 73 (Eng. Abstr.) (Rus)

URINE

- Urinary 17-hydroxycorticosteroid determination with p-hydrazinobenzenesulfonic acid-phosphoric acid. Sanghvi A, et al. *Am J Clin Pathol* 60:684-90, Nov 73
- Cushing's syndrome: a prospective study of diagnostic methods. Eddy RL, et al. *Am J Med* 55:621-30, Nov 73
- Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
- Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome. Schmitt KW, et al. *Clin Chem* 19:1067-8, Sep 73
- The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73
- Metabolites of cortisol excreted in urine of healthy infants in the course of development. Raczynska B. *Mater Med Pol* 5:190-3, Jul-Sep 73
- [Glucocorticoid function in head injuries] Fossati P, et al. *Ann Endocrinol (Paris)* 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Oral contraceptives and glaucoma (author's transl)] Weinstein P, et al. *Klin Monatsbl Augenheilkd* 162:798-800, Jun 73 (Eng. Abstr.) (Ger)
- [Diagnostic importance of free urinary corticoids in obesity and in disorders of adrenal cortex function]

- Köbberling J, et al. *Schweiz Med Wochenschr* 103:1347-54, 29 Sep 73 (Ger)

HYDROCORTISONE, TOPICAL

ADMINISTRATION & DOSAGE

- Synovitis of the knee treated by intra-articular hydrocortisone acetate, hydrocortisone acetate plus saline, or saline alone. A double-blind trial. Seldon P, et al. *Rheumatol Phys Med* 12:37-41, Feb 73
- [Comparative study of hydrocortisone spray and hydrocortisone aerosol Polfa in the treatment of selected skin diseases] Michalowski R, et al. *Pol Tyg Lek* 26:1514-6, 1973 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

- Induction of acne by topical steroids. Plewig G, et al. *Arch Dermatol Forsch* 247:29-52, 1973

THERAPEUTIC USE

- A preliminary clinical trial of hydrocortisone-17-butyrate. Alexander S, et al. *Br J Clin Pract* 27:177-9, May 73
- Controlled evaluation of a new topical corticosteroid in psoriasis. Rex IH Jr. *Curr Ther Res* 15:633-6, Nov 73
- Synovitis of the knee treated by intra-articular hydrocortisone acetate, hydrocortisone acetate plus saline, or saline alone. A double-blind trial. Seldon P, et al. *Rheumatol Phys Med* 12:37-41, Feb 73
- [Treatment of 2d degree burns with Oxycort-aerosol and Synalar ointment under occlusive dressings] Lafcuckl J, et al. *Przegl Dermatol* 60:537-42, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Rheoencephalographic studies of facial neuritis in treatment by ultrasonics and hydrocortisone phonophoresis] Grinshtein AB, et al. *Vopr Kurortol Fizioter Lech Fiz Kult* 38:230-3, May-Jun 73 (Rus)

17-HYDROXYCORTICOSTEROIDS

- A modified competitive protein-binding determination for cortisol. Cox RA, et al. *J Clin Endocrinol Metab* 37:870-3, Nov 73

ADMINISTRATION & DOSAGE

- Substrate-induced difference spectral, electron paramagnetic resonance, and enzymatic properties of cholesterol-depleted mitochondrial cytochrome P-450 of bovine adrenal cortex. Cheng SC, et al. *J Biol Chem* 248:7263-71, 25 Oct 73

ANALYSIS

- [Diagnostic importance of free urinary corticoids in obesity and in disorders of adrenal cortex function] Köbberling J, et al. *Schweiz Med Wochenschr* 103:1347-54, 29 Sep 73 (Ger)
- [Genesis and prognostic significance of juvenile hypercorticism] Vaslukova EA, et al. *Vopr Okhr Materin Det* 18:48-52, Jun 73 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

- Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73
- [A study on the role of brain for the establishment of adaptation to the repeated immobilization stress. II. A role of the limbic-midbrain system in the repeated immobilization stress] Yanase M. *J Physiol Soc Jap* 35:171-8, Apr 73 (Eng. Abstr.) (Jap)

BLOOD

- Cushing's syndrome: a prospective study of diagnostic methods. Eddy RL, et al. *Am J Med* 55:621-30, Nov 73
- [Glucocorticoid function in head injuries] Fossati P, et al. *Ann Endocrinol (Paris)* 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Serum 17-OHCS, 17-KS (including urinary contents)--interpretation of the test results] Iwai K, et al. *Jap J Clin Med* 31:1504-21, 1973 (Jap)

- [Types of the dynamics of plasma glucocorticoid content in posthypoxic states] Volkov AV.
Patol Fiziol Eksp Ter 17:15-20, May-Jun 73 (Eng. Abstr.) (Rus)
 [Adrenal glucocorticoid function during removal of tumors of the cerebral hemispheres] Khomitskaya LF.
Vopr Neirokhir 38:27-32, Sep-Oct 72 (Eng. Abstr.) (Rus)

METABOLISM

- Endocrine studies on schistosomiasis and malnutrition in children. Aboul-Dahab YK, et al.
Acta Hepatogastroenterol (Stuttg) 20:102-15, Mar-Apr 73
 17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al.
Horm Res 4:34-42, 1973
 Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73
 Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction. Argüelles AE, et al. *J Steroid Biochem* 4:427-32, Jul 73

PHARMACODYNAMICS

- Substrate-induced difference spectral, electron paramagnetic resonance, and enzymatic properties of cholesterol-depleted mitochondrial cytochrome P-450 of bovine adrenal cortex. Cheng SC, et al.
J Biol Chem 248:7263-71, 25 Oct 73

URINE

- Physiologic cost of prolonged double-crew flights in C-5 aircraft. Hale HB, et al. *Aerosp Med* 44:999-1008, Sep 73
 Urinary 17-hydroxycorticosteroid determination with p-hydrazinobenzenesulfonic acid-phosphoric acid. Sanghvi A, et al. *Am J Clin Pathol* 60:684-90, Nov 73
 Cushing's syndrome: a prospective study of diagnostic methods. Eddy RL, et al. *Am J Med* 55:621-30, Nov 73
 Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73
 Ineffectiveness of electrosleep in chronic primary insomnia. Frankel BL, et al.
Arch Gen Psychiatry 29:563-8, Oct 73
 Pituitary gigantism. A case report and review. Haigler ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73
 Autoantibodies directed against heart antigens and endocrine reactivity in patients with recent myocardial infarction. Kuch J.
Cardiovasc Res 7:649-54, Sep 73
 Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome. Schmitt KW, et al. *Clin Chem* 19:1067-8, Sep 73
 Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al.
J Clin Endocrinol Metab 37:540-9, Oct 73
 Growth hormone studies before and during catch-up growth in a child with emotional deprivation and short stature. Powell GF, et al.
J Clin Endocrinol Metab 37:674-9, Nov 73
 Primary erythrocytosis and pregnancy. Baxandall JD.
J Obstet Gynaecol Br Commonw 80:996-8, Nov 73
 Cortisol metabolism in glucose-6-phosphate dehydrogenase deficiency. So PL, et al.
Metabolism 23:1443-8, Nov 73
 [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al.
Ann Endocrinol (Paris) 34:206-15, Mar-Apr 73 (Fre)
 [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.
Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)
 [Metapirone test after treatment with slow-acting tetracosactide (slow-acting synactene)] Murle N, et al. *Ann Endocrinol (Paris)* 34:164-73, Mar-Apr 73 (Fre)
 [Diagnostic importance of free urinary corticoids in obesity and in disorders of adrenal cortex function] Köbberling J, et al.
Schweiz Med Wochenschr 103:1347-54, 29 Sep 73 (Ger)
 [Treatment of the carcinoma of the prostate with gestagens (author's transl)] Popelier G.
Urologe [A] 12:134-9, May 73 (Eng. Abstr.) (Ger)
 [Serum 17-OHCS, 17-KS (including urinary

- contents)--interpretation of the test results] Iwai K, et al. *Jap J Clin Med* 31:1504-21, 1973 (Jap)
 [Prognostic value of the determination of urinary metabolites of androgens and corticoids in bronchopulmonary cancer] Frenkel Z, et al.
Stud Cercet Endocrinol 24:423-9, 1973 (Rum)
 [Effect of hypodynamics and other factors of space flight on the excretion of 17-hydroxycorticosteroids and aldosterone] Dluskala IG, et al.
Kosm Biol Med 7:43-8, May-Jun 73 (Eng. Abstr.) (Rus)
 [Use of sun baths in the complex health resort and climatotherapy of the sequelae of closed cranial injury] Leshchinskaya NP.
Vopr Kurortol Fizioter Lech Fiz Kult 38:214-7, May-Jun 73 (Rus)

HYDROXYCORTICOSTEROIDS

BLOOD

- Systemic lupus erythematosus with adrenal insufficiency. Eichner HL, et al.
Am J Med 55:700-5, Nov 73
 Clinical conference: Essential hypertension: new concepts about mechanisms.
Ann Intern Med 79:411-24, Sep 73

METABOLISM

- Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73
 Aldosterone biosynthesis from 4-14C-pregnenolone and 4-14C-progesterone, in the rat and rabbit. Slaga TJ, et al. *Proc Soc Exp Biol Med* 143:1201-6, Sep 73

PHARMACODYNAMICS

- Hypertensive action of 18-hydroxydeoxycorticosterone. Oliver JT, et al.
Science 182:1249-51, 21 Dec 73

THERAPEUTIC USE

- Carcinoid syndrome in bronchial adenoma. Ricci C, et al. *Am J Surg* 126:671-7, Nov 73

URINE

- Comparison of growth acceleration of pituitary dwarfs treated with anabolic steroid and thyroid hormone with normal growth spurt. Harada Y, et al.
Acta Endocrinol (Kbh) 74:237-49, Oct 73
 Systemic lupus erythematosus with adrenal insufficiency. Eichner HL, et al.
Am J Med 55:700-5, Nov 73

17-KETOSTEROIDS

- Bridged D-ring steroid analogs. XII. Effect of D-ring substituents on chemical shift of angular methyl protons. Solo AJ, et al. *J Pharm Sci* 62:1471-5, Sep 73

ADMINISTRATION & DOSAGE

- [Substitution therapy with equine sulfate in menopausal women] Ravid R, et al.
Harefuah 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

BLOOD

- Gonadal dysgenesis: the XY variant. Mattox JH.
South Med J 66:839-40, Jul 73
 [Serum 17-OHCS, 17-KS (including urinary contents)--interpretation of the test results] Iwai K, et al. *Jap J Clin Med* 31:1504-21, 1973 (Jap)

CHEMICAL SYNTHESIS

- Steroid total synthesis. X. Optically active estrone precursors and racemic equilenin methyl ether. Cohen N, et al. *J Org Chem* 38:3229-39, 21 Sep 73

METABOLISM

- Endocrine studies on schistosomiasis and malnutrition in children. Aboul-Dahab YK, et al.
Acta Hepatogastroenterol (Stuttg) 20:102-15, Mar-Apr 73

THERAPEUTIC USE

[Substitution therapy with equiline sulfate in menopausal women] Ravid R, et al.
Harefuah 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

URINE

- Premature ovarian failure. Starup J, et al.
Acta Obstet Gynecol Scand 52:259-68, 1973
- Cushing's syndrome: a prospective study of diagnostic methods. Eddy RL, et al. Am J Med 55:621-30, Nov 73
- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al.
Am J Med 55:687-94, Nov 73
- Adrenocortical function in acromegaly. Charro AL, et al. Am J Med Sci 266:211-8, Sep 73
- Proceedings: Testicular function tests: an integrated approach. Hamilton W. Arch Dis Child 48:831-2, Oct 73
- Pituitary gigantism. A case report and review. Haigler ED Jr, et al. Arch Intern Med 132:588-94, Oct 73
- Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism.
Arch Intern Med 132:616-9, Oct 73
- Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome. Schmitt KW, et al. Clin Chem 19:1067-8, Sep 73
- Arthrogryposis multiplex congenita. Shariff FK, et al. Clin Orthop 94:263-7, Jul-Aug 73
- 17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al. Horm Res 4:34-42, 1973
- Excretion of catecholamines in urine under conditions of emotional stress (shocking movies). Wróblewski TE, et al. Int Z Angew Physiol 31:327-31, 20 Jul 73
- Effects of cold exposure on growing pigs: growth, body composition and 17-ketosteroids. Hacker RR, et al. J Anim Sci 37:739-44, Sep 73
- Primary erythrocytosis and pregnancy. Baxandall JD. J Obstet Gynaecol Br Commonw 80:996-8, Nov 73
- Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction.
Argüelles AE, et al. J Steroid Biochem 4:427-32, Jul 73
- Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. J Urol 110:410-2, Oct 73
- Assay of 17-hydroxysteroids, 17-ketosteroids and estrogens in random urine samples of neonates. Sawa H, et al. Mater Med Pol 5:194-6, Jul-Sep 73
- Male pseudohermaphroditism in the laboratory Norway rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973
- 1,4-Androstadiene-3,17-dione found in the urine of a boy. Jung G, et al. Steroids 22:293-306, Aug 73
- A modified method for the estimation of pregnanediol, pregnanetriol and seven common 17-ketosteroids in urine by gas-liquid chromatography. Qazi QH, et al. Steroids 22:311-25, Sep 73
- [Profile of urinary steroids in cirrhosis: a study using a method of analysis in the gas phase] Elkaim R, et al. Ann Endocrinol (Paris) 34:241-60, May-Jun 73 (Eng. Abstr.) (Fre)
- [Adrenal cortex polymicroadenomatosis in Cushing's syndrome] Huguenin A, et al.
Ann Endocrinol (Paris) 34:206-15, Mar-Apr 73 (Fre)
- [Treatment of the carcinoma of the prostate with gestagens (author's transl)] Popelier G.
Urologe [A] 12:134-9, May 73 (Eng. Abstr.) (Ger)
- [Serum 17-OHCS, 17-KS (including urinary contents)-Interpretation of the test results] Iwai K, et al. Jap J Clin Med 31:1504-21, 1973 (Jap)
- [Androgen fractionation obtained by means of thin-layer chromatography in cases of adrenocortical diseases] Baranowska B.
Pol Tyg Lek 28:1347-50, 27 Sep 73 (Eng. Abstr.) (Pol)
- [Prognostic value of the determination of urinary metabolites of androgens and corticoids in bronchopulmonary cancer] Frenkel Z, et al.
Stud Cercet Endocrinol 24:423-9, 1973 (Rum)
- [Fractional composition of 17-ketosteroids in diabetes] Povolotskaya GM, et al.
Probl Endokrinol (Mosk) 19:14-7, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [The glucocorticoid and androgenic functions of the adrenal cortex in lumbosacral radiculitis] Ishchenko MM, et al.
Zh Nevropatol Psikhiatr 73:324-7, 1973 (Eng. Abstr.) (Rus)

KETOSTEROIDS

Topical Corticosteroids International Symposium, Venice, May 1972. Introductory remarks. Craps L.
Acta Derm Venereol [Suppl] (Stockh) 53:9-11, 1973

Molecular weight determination and structural studies of *Pseudomonas* testosterone delta 5 leads to 4-3-oxosteroid isomerase (EC 5.3.3.1). Weintraub H, et al. FEBS Lett 37:82-8, 15 Nov 73

Carbon-13 nuclear magnetic resonance spectra of keto steroids. Eggert H, et al.
J Org Chem 38:3788-92, 19 Oct 73

Steroids and steroidases XX (1). Aggregation in aqueous solution of steroids with stigmastane type C-17 side chains and its influence on their enzymic transformations. Jones JB, et al.
Steroids 22:525-38, Oct 73

ADMINISTRATION & DOSAGE

Animal studies with topical steroids. Weldmann H.
Acta Derm Venereol [Suppl] (Stockh) 53:25-7, 1973

Factors influencing the formulation of semisolid preparations with special reference to corticosteroid products. Worthington HE.
Acta Derm Venereol [Suppl] (Stockh) 53:29-34, 1973

Pharmacokinetics of the gonadotropin inhibitor 19 beta-cis-ethyliden-17 alpha-ethynyl-17 beta-hydroxy-androstatrien-3-one (Ro 6-5403) in man. Dixon R, et al. J Steroid Biochem 4:355-62, Jul 73

[Testing of Ultralan-crystal-suspension in orthopedic practice] Konopka H.
Z Allgemed Med 49:1008-10, 31 Jul 73 (Ger)

ADVERSE EFFECTS

[Circulatory studies on CT 1341, a steroid anaesthetic, in patients with congenital and acquired heart diseases (author's transl)] Hempelmann G, et al.
Anaesthesist 22:345-52, Aug 73 (Eng. Abstr.) (Ger)

ANALYSIS

Histochemical investigation of lipids in the epiphyseal and articular cartilages of rats of different ages. Földes I, et al.
Acta Morphol Acad Sci Hung 21:123-35, 1973

Trimethyl silyl ether-enol-trimethyl silyl ether-a new type of derivative for the gas phase study of hormonal steroids. Chambaz EM, et al.
Anal Chem 46:1090-8, Jun 73

17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schneider JJ. J Chem Soc [Perkin I] 13:1361-5, 1973

BIOSYNTHESIS

Microbial dehydrogenation of dihydrotomatidines. Belić I, et al. J Steroid Biochem 4:363-8, Jul 73

Conversion of sodium lithocholate-24-14C to other products by guinea pig brain. Naqvi SH, et al. Lipids 8:651-3, Nov 73

Breakdown of germinal vesicle of frog oocytes with 5alpha-reduced products of progesterone in vitro. Sanyal MK, et al.
Proc Soc Exp Biol Med 144:483-6, Nov 73

11-dehydrocorticosterone (compd. A) formation by the *Microtus* adrenal. Ungar F, et al.
Steroids 22:503-14, Oct 73

CHEMICAL SYNTHESIS

Marine steroids. 1. Structures of the principal aglycones from the saponins of the starfish, *Marthasterias glacialis*. Smith DS, et al.
J Chem Soc [Perkin I] 16:1745-54, 1973

15-Oxa steroids. Rosen P, et al.
J Org Chem 38:3040-6, 24 Aug 73

Radiolimmunoassay of contraceptive steroids. I. Synthesis of 6-oxomestranol 6-(O-carboxymethyl) oxime. Kundu N. Steroids 22:327-36, Sep 73

ISOLATION & PURIFICATION

Marine steroids. 1. Structures of the principal aglycones from the saponins of the starfish, *Marthasterias glacialis*. Smith DS, et al.
J Chem Soc [Perkin I] 16:1745-54, 1973

METABOLISM

- 12alpha-hydroxylation of
7alpha-hydroxy-4-cholesten-3-one by a reconstituted
system from rat liver microsomes. Bernhardtsson C, et
al. *Biochem Biophys Res Commun* 54:1030-8, 1 Oct 73
- Microbiological hydroxylation of steroids. VII. The
pattern of dihydroxylation of mono-oxo-5
alpha-androstanes and 5 alpha-estrans with the
fungus *Rhizopus nigricans*. Browne JW, et al.
J Chem Soc [Perkin I] 14:1493-9, 1973
- Formation of conjugated metabolites after injection of
(4-14C)17 alpha-hydroxyprogesterone into the
umbilical vein of the human foetus at mid-pregnancy.
Ling W, et al. *J Endocrinol* 58:477-84, Sep 73
- Corticosterone metabolism by rat adrenocortical cell
suspensions and monolayer cultures: the effect of
damage on 11-dehydrogenase activity. O'Hare MJ.
J Endocrinol 59:141-50, Oct 73
- Pharmacokinetics of the gonadotrophin inhibitor 19
beta-cis-ethyliden-17 alpha-ethynyl-17
beta-hydroxy-androstatrien-3-one (Ro 6-5403) in man.
Dixon R, et al. *J Steroid Biochem* 4:355-62, Jul 73

PHARMACODYNAMICS

- Breakdown of germinal vesicle of frog oocytes with
5alpha-reduced products of progesterone in vitro.
Sanyal MK, et al.
Proc Soc Exp Biol Med 144:483-6, Nov 73
- [Circulatory studies on CT 1341, a steroid anaesthetic,
in patients with congenital and acquired heart
diseases (author's transl)] Hempelmann G, et al.
Anaesthesist 22:345-52, Aug 73 (Eng. Abstr.) (Ger)

RADIATION EFFECTS

- [Photochemical reactions. 72. Photofragmentation of
14-beta-hydroxy-20-oxo-delta(16)-steroids] Marti F,
et al. *Helv Chim Acta* 56:1078-83, 1973 (Ger)

THERAPEUTIC USE

- Procedures for the clinical investigation of a topical
corticosteroid. Craps L, et al.
Acta Derm Venereol [Suppl] (Stockh) 53:13-23, 1973
- Letter: Double-blind studies in dermatology.
JAMA 226:1229-30, 3 Dec 73
- [Determination of plasma renin activity in edematous
cirrhosis. Influence of various depletive treatments]
Cottin S, et al.
Sem Hop Paris 49:1357-63, 20 Apr 73 (Fre)
- [Testing of Ultralan-crystal-suspension in orthopedic
practice] Konopka H.
Z Allgemeinmed 49:1008-10, 31 Jul 73 (Ger)

URINE

- Premature ovarian failure. Starup J, et al.
Acta Obstet Gynecol Scand 52:259-68, 1973
- Isolation and identification of four new carboxylic acid
metabolites of cortisol in man. Bradlow HL, et al.
J Clin Endocrinol Metab 37:811-8, Nov 73
- Base-catalyzed silylation. A quantitative procedure for
the gas chromatographic-mass spectrometric analysis
of neutral steroids. Nicosia SZ, et al.
J Steroid Biochem 4:417-25, Jul 73
- 1,4-Androstadiene-3,17-dione found in the urine of a
boy. Jung G, et al. *Steroids* 22:293-306, Aug 73
- [Profile of urinary steroids in cirrhosis: a study using a
method of analysis in the gas phase] Elkalim R, et al.
Ann Endocrinol (Paris) 34:241-60, May-Jun 73 (Eng.
Abstr.) (Fre)

METHYLPREDNISOLONE

- Renal preservation. A modified solution for 18 hours of
protection. Netto IC, et al. *Urology* 2:389-92, 4 Oct 73

ADMINISTRATION & DOSAGE

- Comparative effects of chlorpromazine,
methylprednisolone, and allopurinol during small
bowel preservation. Toledo-Pereyra LH, et al.
Am J Surg 126:631-4, Nov 73
- Lysosomal enzyme release in canine endotoxin shock
treated with methylprednisolone. Warren HS, et al.
Am Surg 39:608-18, Nov 73
- Metastatic abscess as a complication of retrograde

- esophageal dilatation. Rontal E, et al.
Ann Otol Rhinol Laryngol 82:643-8, Sep-Oct 73
- Anti-shock action of steroids other than cortisone.
Novelli GP, et al. *Eur Surg Res* 5:169-74, 1973
- A correlation of radiographic, functional, and
morphologic changes in baboon lung allografts. A
comparison of two immunosuppressive regimens.
Sabanayagam P, et al.
J Thorac Cardiovasc Surg 66:573-80, Oct 73
- Periocular injection of steroids. Nozlk RA.
Trans Am Acad Ophthalmol Otolaryngol 76:695-705,
May-Jun 72

ADVERSE EFFECTS

- Periocular injection of steroids. Nozlk RA.
Trans Am Acad Ophthalmol Otolaryngol 76:695-705,
May-Jun 72

ANALYSIS

- Detection of synthetic corticosteroid analogues by the
competitive protein-binding radioassay. Morris HG, et
al. *Steroids* 22:445-50, Sep 73

METABOLISM

- Altered bioavailability of drugs in the eye due to
drug-protein interaction. Mikkelsen TJ, et al.
J Pharm Sci 62:1648-53, Oct 73

PHARMACODYNAMICS

- Effect of methylprednisolone on glucose homeostasis
in newborn and young dogs. Cowan JS, et al.
Am J Physiol 225:788-92, Oct 73
- Comparative effects of chlorpromazine,
methylprednisolone, and allopurinol during small
bowel preservation. Toledo-Pereyra LH, et al.
Am J Surg 126:631-4, Nov 73
- Role of hepatic bile composition in gallstone formation
in baboons. McSherry CK, et al.
Ann Surg 178:669-75, Nov 73
- Effects of vasoactive drugs on lysosomal stability in
vitro. Albo A. *Biochem Pharmacol* 22:2521-7, 15 Oct 73
- Beclomethasone dipropionate corticosteroid inhaler: a
preliminary report of its pharmacological properties
and therapeutic efficacy in asthma. Wilcox JB, et al.
Drugs 6:84-93, 1973
- Histochemically demonstrable increase in the
catecholamine content of the carotid body in adult
rats treated with methylprednisolone or
hydrocortisone. Korkala O, et al.
Histochem J 5:479-85, Sep 73

THERAPEUTIC USE

- Lysosomal enzyme release in canine endotoxin shock
treated with methylprednisolone. Warren HS, et al.
Am Surg 39:608-18, Nov 73
- Metastatic abscess as a complication of retrograde
esophageal dilatation. Rontal E, et al.
Ann Otol Rhinol Laryngol 82:643-8, Sep-Oct 73
- Diagnosis and reversal of rejection in experimental and
clinical lung allografts. Veith FJ, et al.
Ann Thorac Surg 16:172-83, Aug 73
- Beclomethasone dipropionate aerosol in childhood
asthma. Dickson W, et al.
Arch Dis Child 48:671-5, Sep 73
- Beclomethasone aerosol in childhood asthma. Godfrey
S, et al. *Arch Dis Child* 48:665-70, Sep 73
- The aetiology of hypertension after renal
transplantation in man. Sampson D, et al.
Br J Surg 60:819-24, Oct 73
- Treatment of asthma with beclomethasone
dipropionate aerosol (preliminary observations).
Kennedy MC, et al.
Bull Physiother Respir (Nancy) 9:816-9, May-Jun 73
- Functional features of lymphocytes recovered from a
human renal allograft. Hattler BG Jr, et al.
Cell Immunol 9:289-96, Nov 73
- Anti-shock action of steroids other than cortisone.
Novelli GP, et al. *Eur Surg Res* 5:169-74, 1973
- Failure of methylprednisolone to protect
lead-sensitized rats against endotoxin. Jones RB, et al.
Infect Immun 8:663-4, Oct 73
- Effect of corticosteroids on seasonal increases in IgE
antibody. Henderson LL, et al.
J Allergy Clin Immunol 52:352-7, Dec 73
- Leukocyte (3H) thymidine uptake in short-term

- whole-blood cultures of human and canine renal allograft recipients. Pauly JL, et al.
J Surg Res 15:301-8, Oct 73
- Gingival leukemic infiltration in chronic lymphocytic leukemia. Presant CA, et al. *Oral Surg* 36:872-4, Nov 73
- Prevention of postoperative intestinal adhesions in primates. Liao SK, et al.
Surg Gynecol Obstet 137:816-8, Nov 73
- Periocular injection of steroids. Nozik RA.
Trans Am Acad Ophthalmol Otolaryngol 76:695-705, May-Jun 72
- Herpesviruses in renal transplant patients. Plon FD, et al. *Transplantation* 16:489-95, Nov 73
- Eight- and twenty-four-hour canine pancreas preservations using a simple gel cooling technique. Serrou B, et al. *Transplantation* 16:398-402, Nov 73
- [Hormonal (vasopressin-corticoid) treatment of 16 cases of inoperable cerebral tumors with little or no malignant potential] Bernard-Weil E, et al.
Sem Hop Paris 49:1687-97, 14 May 73 (Eng. Abstr.) (Fre)
- [Fibrosarcoma of the bladder after seven-year chemotherapy of Hodgkin's disease in childhood] Rupprecht L, et al.
Dtsch Med Wochenschr 98:1663-5, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Treatment of periarthritis nodosa using immunosuppressants and glucocorticoids] Luchtrath H, et al. *Med Welt* 24:1129-32, 13 Jul 73 (Ger)

MINERALOCORTICOIDS

ADVERSE EFFECTS

- [Prophylaxis of various experimental cardiovascular diseases by catatoxic steroids (report) (author's transl)] Selye H.
Verh Dtsch Ges Kreislafforsch 56:215-7, 1972 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- Effect of adrenal cortical steroids on liver regeneration. Gershbein LL.
J Surg Oncol 5:491-508, May 73
- Letter: mineralocorticoids and rectal potential difference. Richards P. *Lancet* 2:798-9, 6 Oct 73

SECRETION

- [Clinical physiopathology of certain forms of secondary arterial hypertension] Veyrat R.
Schweiz Med Wochenschr 103:1653-62, 24 Nov 73 (27 ref.) (Eng. Abstr.) (Fre)
- [On a case of active hormonal adrenal neoplasm] Jekell W, et al.
Pediatrics (Bucur) 22:55-62, Jan-Feb 73 (Eng. Abstr.) (Rum)
- [Mineralocorticoid function of the adrenal cortex in intracranial neoplasms] Martirosian VV, et al.
Vopr Neirokhir 36:32-5, Sep-Oct 72 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

- [Prophylaxis of various experimental cardiovascular diseases by catatoxic steroids (report) (author's transl)] Selye H.
Verh Dtsch Ges Kreislafforsch 56:215-7, 1972 (Eng. Abstr.) (Ger)

URINE

- Effect of immunotropic drugs on adrenocortical functions. Patkowski J, et al.
Acta Physiol Pol 24:561-70, Jul-Aug 73

PARAMETHASONE

ADMINISTRATION & DOSAGE

- [Paramethasone in rheumatoid arthritis. Comparison of its clinical aspects using the oral and intramuscular route of administration] Badia Flores J, et al.
Prensa Med Mex 38:57-60, Jan-Feb 73 (Spa)

PHARMACODYNAMICS

- The effect of adjuvant arthritis and drugs on the ability of rat plasma to inhibit the triton X-100 induced lysis

- of rabbit polymorphonuclear leucocyte granules. Lowe JS, et al.
Biochem Pharmacol 22:2069-78, 1 Sep 73
- The selective inhibition of secondary IgE antibody response in mice by dibutyladenosine 3',5'-cyclic monophosphoric acid and theophylline. Perper RJ, et al. *Proc Soc Exp Biol Med* 143:1191-6, Sep 73

THERAPEUTIC USE

- [Paramethasone in rheumatoid arthritis. Comparison of its clinical aspects using the oral and intramuscular route of administration] Badia Flores J, et al.
Prensa Med Mex 38:57-60, Jan-Feb 73 (Spa)

PREDNISOLONE

- Therapy of sarcoidosis initiated with alternate-day prednisone. Sheagren JN, et al.
J Natl Med Assoc 65:391-8, Sep 73

ADMINISTRATION & DOSAGE

- Ocular complications in renal transplant recipients. Berkowitz JS, et al. *Am J Med* 55:492-5, Oct 73
- Letter: Adrenal failure in bronchial asthma. Dalglish J, et al. *Br Med J* 4:422-3, 17 Nov 73
- A case of Letterer-Siwe's disease. Successful result with long-term steroid treatment. Johansen AG. *Dermatologica* 146:297-302, 1973
- Protective role of prednisolone upon galactosamine-induced hepatitis in rats. Grases PJ, et al. *GEN* 27:197-204, Oct-Dec 72
- Reflex dystrophy (algoneurodystrophy): results of treatment by corticosteroids. Glick EN.
Rheumatol Phys Med 12:84-8, May 73
- [Clinical experiences with reallin (oxyphebutazone and prednisolone) in progressive chronic polyarthritis] Klein G, et al.
Z Rheumaforsch 32:302-3, Jul-Aug 73 (Eng. Abstr.) (Ger)
- [Influence of the corticosteroids over the myeloperoxidase activity] Gutierrez Martin M, et al.
Folia Clin Int (Barc) 23:491-6, Jul-Aug 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

- Ocular complications in renal transplant recipients. Berkowitz JS, et al. *Am J Med* 55:492-5, Oct 73
- A rapid increase in skin extensibility due to prednisolone. Burton JL, et al.
Br J Dermatol 89:491-5, Nov 73
- Letter: Adrenal failure in bronchial asthma. Cooke NJ, et al. *Br Med J* 4:49, 6 Oct 73
- Reflex dystrophy (algoneurodystrophy): results of treatment by corticosteroids. Glick EN.
Rheumatol Phys Med 12:84-8, May 73
- [Clinical experiences with reallin (oxyphebutazone and prednisolone) in progressive chronic polyarthritis] Klein G, et al.
Z Rheumaforsch 32:302-5, Jul-Aug 73 (Eng. Abstr.) (Ger)
- [The state of the mucous membrane of the stomach in patients receiving glucocorticoid hormones (according to gastroscopy findings)] Minushkin ON, et al. *Sov Med* 35:106-11, Nov 72 (Eng. Abstr.) (Rus)
- [Adverse effects of immunosuppression following kidney allotransplantation and data on the mechanism of infectious complications] Tomilina NA, et al. *Vestn Akad Med Nauk SSSR* 28:64-6, 1973 (Eng. Abstr.) (Rus)

ANALYSIS

- Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. *Steroids* 22:445-50, Sep 73

METABOLISM

- Immunosuppressive therapy for chronic liver disease. Murray-Lyon IM.
J R Coll Physicians Lond 8:37-44, Oct 73 (35 ref.)

PHARMACODYNAMICS

- Studies on the mechanism of action of aslaticoside (Madecassol) on experimental granulation tissue and cultured fibroblasts and its clinical application in

- systemic scleroderma. Sasaki S, et al. *Acta Derm Venereol* (Stockh) 52:141-50, 1972
- Inhibition of immunospecific rosette formation for the study of two prednisolone derivatives. Fekete B, et al. *Acta Med Acad Sci Hung* 29:327-30, 1973
- Localized heat urticaria. Moragas JM de, et al. *Arch Dermatol* 108:684-6, Nov 73
- The effect of adjuvant arthritis and drugs on the ability of rat plasma to inhibit the triton X-100 induced lysis of rabbit polymorphonuclear leucocyte granules. Lowe JS, et al. *Biochem Pharmacol* 22:2069-78, 1 Sep 73
- A rapid increase in skin extensibility due to prednisolone. Burton JL, et al. *Br J Dermatol* 89:491-5, Nov 73
- Glucocorticoid-induced alterations in phosphatidylcholine metabolism in mouse lymphoma cells, L5178Y, in vitro. Story MT, et al. *Cancer Res* 33:2872-7, Nov 73
- Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylate cyclase and adenosine triphosphatase in pharmacologic regulation. Coffey RG, et al. *Int Arch Allergy Appl Immunol* 45:593-611, 1973
- An in vitro evaluation of tetrahydrotriamicinone. Bigler JF, et al. *Invest Ophthalmol* 12:856-8, Nov 73
- Increased sensitivity to theophylline associated with primary open-angle glaucoma. Zink HA, et al. *Invest Ophthalmol* 12:603-7, Aug 73
- Immunosuppressive therapy for chronic liver disease. Murray-Lyon IM. *J R Coll Physicians Lond* 8:37-44, Oct 73 (35 ref.)
- Effect of adrenal cortical steroids on liver regeneration. Gershheilm LL. *J Surg Oncol* 5:491-508, May 73
- Revival of isolated hearts stopped with alcohol and glucocorticoids by nicotine and acetylcholine. Pathak CL. *Jap Heart J* 14:296-305, Jul 73
- Studies on the *in vivo* synthesis of nucleic acids in stimulated human lymphocytes. Oerkermann H, et al. *Klin Wochenschr* 51:471-3, 1 May 73
- Letter: Hypouricemia after renal transplantation. Schmidt P, et al. *N Engl J Med* 289:1373, 20 Dec 73
- The genetic control of serum IgA level in axenic and holoxenic mice. The effect of prednisolone. Dietrich C, et al. *Proc Soc Exp Biol Med* 143:1251-5, Sep 73
- Proceedings: Some observations on the use of dexamethasone T.M.A. for the induction of premature calving. O'Farrell KJ, et al. *Vet Rec* 93:75, 21 Jul 73
- Proliferation of epithelial cells in the jejunal crypts of adrenalectomized and adrenocortical hormone treated rats. Tutton PJ. *Virchows Arch [Zellpathol]* 13:227-32, 22 Jul 73
- Inhibition of immunologically induced inflammation by the plant steroid withaferin A. Fügner A. *Arzneim Forsch* 23:932-5, Jul 73 (Eng. Abstr.) (Ger)
- Effect of so-called cell stabilizers on preservation of porcine liver. Lie TS, et al. *Bruns Beitr Klin Chir* 220:546-56, Aug 73 (Eng. Abstr.) (Ger)
- [Physiopathological aspects of immunohemolysis and its inhibition] Buhe FW. *Med Welt* 24:565-8, 13 Apr 73 (Ger)
- [Experimental investigations on facilitation of E. coli pyelonephritis (author's transl)] Sack K, et al. *Urol Int* 28:178-83, 1973 (Eng. Abstr.) (Ger)
- [Effect of prednisolone on the formation of hemopoietic colonies in the spleen of mice following sublethal irradiation] Rudakova TL, et al. *Patol Fiziol Eksp Ter* 17:37-40, Jan-Feb 73 (Eng. Abstr.) (Rus)
- [Effect of prednisolone on the toxic action of vitamin D and the development of vitamin D intoxication (an experimental study)] Vishnevskiy IuB. *Pediatr* 52:56-8, Jul 73 (Rus)
- [Influence of the corticosteroids over the myeloperoxidase activity] Gutierrez Martín M, et al. *Folia Clin Int (Barc)* 23:491-6, Jul-Aug 73 (Eng. Abstr.) (Spa)
- granulocytic leukaemia with corticosteroids and vincristine. Marmont AM, et al. *Acta Haematol (Basel)* 50:1-8, 1973
- Hematological effect of corticosteroids and anabolic steroids on aplastic anemia patients. Yamagishi M, et al. *Acta Haematol Jap* 36:9-24, Feb 73
- Mydriasis of unusual cause in a thrombocytopenic, anemic woman with temporary amaurosis. Ahern H, et al. *Acta Med Scand* 194:151-5, 1973
- Dynamic tonometry. V. Further studies of the corneal indentation pulse in temporal arteritis. Horven I. *Acta Ophthalmol (Kbh)* 51:353-66, 1973
- Infectious bovine rhinotracheitis virus infection in hulls, with special reference to preputial infection. Bitsch V. *Appl Microbiol* 26:337-43, Sep 73
- Letter: Pyoderma gangrenosum and leukemia. Tay CH. *Arch Dermatol* 108:580-1, Oct 73
- Cystic fibrosis and coeliac disease: coexistence in two children. Goodchild MC, et al. *Arch Dis Child* 48:684-91, Sep 73
- Plasma exchange in patients with fulminant hepatic failure. Buckner CD, et al. *Arch Intern Med* 132:487-92, Oct 73
- Ocular response to corticotropin in myasthenia gravis. Cape CA. *Arch Ophthalmol* 90:292-3, Oct 73
- Dendritic lesions in herpes zoster ophthalmicus. Plehenga LW, et al. *Arch Ophthalmol* 90:268-70, Oct 73
- Pansteatitis in a cat. Watson AD, et al. *Anst Vet J* 49:388-92, Aug 73
- Serial in vitro marrow culture in acute myelocytic leukemia. Bull JM, et al. *Blood* 42:679-86, Nov 73
- Treatment of rapidly progressive rheumatoid pneumoconiosis. Davies D. *Br J Ind Med* 30:396-401, Oct 73
- Plasma C3 and C4 concentrations in management of glomerulonephritis. Cameron JS, et al. *Br Med J* 3:668-72, 29 Sep 73
- Letter: Adrenal failure in bronchial asthma. Dalgleish J, et al. *Br Med J* 4:422-3, 17 Nov 73
- Canine brachial plexus neuritis: a syndrome resembling serum neuritis in man. Cummings JF, et al. *Cornell Vet* 63:589-617, Oct 73
- Pityriasis rubra pilaris with muscle and joint involvement. Aguilar AR, et al. *Dermatologica* 146:361-6, 1973
- A case of Letterer-Siwe's disease. Successful result with long-term steroid treatment. Johansen AG. *Dermatologica* 146:297-302, 1973
- Epidermolysis bullosa dystrophica et alho-papuloida pasini in an Indian. A case report. Kumar K, et al. *Dermatologica* 147:137-43, Aug 73
- Protective role of prednisolone upon galactosamine-induced hepatitis in rats. Grases PJ, et al. *GEN* 27:197-204, Oct-Dec 72
- The metabolism of salicylazosulphapyridine in ulcerative colitis. I. The relationship between metabolism and the response to treatment in inpatients. Das KM, et al. *Gut* 14:631-41, Aug 73
- Intracranial reticulum cell sarcoma associated with immunoglobulin A deficiency. Gregory MC, et al. *J Neurol Neurosurg Psychiatry* 36:769-76, Oct 73
- Myositis in father and daughter. Lewkonis RM, et al. *J Neurol Neurosurg Psychiatry* 36:820-5, Oct 73
- Interactions of aspirin, indomethacin and other drugs in adjuvant-induced arthritis in the rat. Van Arman CG, et al. *J Pharmacol Exp Ther* 187:400-14, Nov 73
- Acquired pure red-cell aplasia in adults. Teoh PC, et al. *Med J Aust* 2:373-6, 25 Aug 73
- The rheumatic diseases in adolescence. Kornreich H, et al. *Pediatr Clin North Am* 20:911-31, Nov 73 (67 ref.)
- Juvenile dermatomyositis. Friedmann PS, et al. *Proc R Soc Med* 66:624, Jul 73
- Acute scleroderma (morphoea) with myositis. Warin AP. *Proc R Soc Med* 66:621-3, Jul 73
- Arthralgia and myalgia in mumps. Ghosh SK, et al. *Rheumatol Phys Med* 12:97-9, May 73
- Reflex dystrophy (algoneurodystrophy): results of treatment by corticosteroids. Glick EN. *Rheumatol Phys Med* 12:84-8, May 73
- Non-specific arthralgia and myalgia with subclinical neuropathy. A histochemical and histological study. Isaacs H, et al. *S Afr Med J* 47:1581-7, 8 Sep 73
- The immunoglobulin concentrations in serum and bowel secretion in patients with Crohn's disease. Bergman L, et al. *Scand J Gastroenterol* 8:401-6, 1973
- Polymyalgia rheumatica and malignant lymphoma. Knorrer J von. *Scand J Rheumatol* 1:117-20, 1972
- Evaluation of a functional index in rheumatoid arthritis. Lee P, et al. *Scand J Rheumatol* 2:71-7, 1973
- Graft and patient survival after primary cadaver kidney transplantation with special regard to compatibility in the HL-A system. Storm B. *Acta Chir Scand [Suppl]* 437:1-57, 1973
- Acute febrile ulcerative conglomerate acne with leukemoid reaction. Ström S, et al. *Acta Derm Venereol (Stockh)* 53:306-12, 1973
- The treatment of terminal metamorphosis of chronic

THERAPEUTIC USE

PREDNISOLONE

- Side effects of rifampicin. A clinical study. Mattson K. *Scand J Respir Dis [Suppl]* 1:52, 1973
- Myelitis due to enteric fever. Vassa NT, et al. *Trop Geogr Med* 25:245-8, Sep 73
- II. Medical treatment of inflammatory howel disease. Gray GM. *West J Med* 119:21-4, Nov 73
- [Metapirone test after treatment with slow-acting tetracosactide (slow-acting synactene)] Murie N, et al. *Ann Endocrinol (Paris)* 34:164-73, Mar-Apr 73 (Fre)
- [Treatment of periarteritis nodosa using immunosuppressants and glucocorticoids] Luchtrath H, et al. *Med Welt* 24:1129-32, 13 Jul 73 (Ger)
- [Adriamycin in the therapy of child leukemias and tumors] Maas B, et al. *Monatsschr Kinderheilkd* 121:390-2, Jul 73 (Ger)
- [Chemotherapy of malignant tumors] Ehrhart H. *Munch Med Wochenschr* 115:814-32, 4 May 73 (Eng. Abstr.) (Ger)
- [Therapy of acute leukemias] Willmanns W. *Munch Med Wochenschr* 115:852-60, 4 May 73 (Eng. Abstr.) (Ger)
- [Diffuse pulmonary fibrosis in panarteritis nodosa] De Blasio R, et al. *Schweiz Med Wochenschr* 103:1540-3, 3 Nov 73 (Eng. Abstr.) (Ger)
- [Nephrotic syndrome as the 1st manifestation of malignant lymphoma] Kerkhoven P, et al. *Schweiz Med Wochenschr* 103:1706-9, 1 Dec 73 (Eng. Abstr.) (Ger)
- [Latest treatment methods in rheumatology] Fellinger K. *Wien Med Wochenschr* 123:609-14, 20 Oct 73 (Ger)
- [Therapy of acute leukoses] Stacher A. *Wien Med Wochenschr* 123:549-54, 22 Sep 73 (Ger)
- [Clinical experiences with realin (oxyphenbutazone and prednisolone) in progressive chronic polyarthritis] Klein G, et al. *Z Rheumaforsch* 32:302-5, Jul-Aug 73 (Eng. Abstr.) (Ger)
- [Effect of certain anti-inflammatory preparations on experimental hyperbilirubinemia] Pidémaki EL, et al. *Patol Fiziol Eksp Ter* 17:39-42, May-Jun 73 (Rus)
- [Viral hepatitis in children] Nisevich NI. *Pediatrila* 51:3-9, May 73 (Rus)
- [Cytological evaluation of the effectiveness of polychemotherapy in lymphogranulomatosis] Petrova AS, et al. *Probl Gematol Pereliv Krovi* 17:52-5, Dec 73 (Eng. Abstr.) (Rus)

PREDNISOLONE, TOPICAL

THERAPEUTIC USE

- [Our experience with Acépreval a new topical non-fluorinated cortisone in dermatological therapy] Dumitriu R, et al. *Praxis* 62:970-2, 31 Jul 73 (Fre)

PREDNISONE

- Pregnancy in a patient after cadaveric renal transplantation. Horbach J, et al. *Acta Med Scand* 194:237-40, 1973
- Preparation of stable prednisone suspension. Raitt JR, et al. *Am J Hosp Pharm* 30:923-4, Oct 73

ADMINISTRATION & DOSAGE

- Desquamative interstitial pneumonia. Case report of an infant unresponsive to treatment. Howatt WF, et al. *Am J Dis Child* 126:346-8, Sep 73
- Prednisone therapy of acute alcoholic hepatitis. Report of a controlled trial. Campa JL, et al. *Ann Intern Med* 79:625-31, Nov 73
- Serial changes in scleroderma and idiopathic interstitial lung disease. Colp CR, et al. *Arch Intern Med* 132:506-15, Oct 73
- Disseminated breast carcinoma. Treatment with combination chemotherapy. Spigel SC, et al. *Arch Intern Med* 132:575-7, Oct 73
- Temporal arteritis, steroid therapy, and pulmonary emboli. Uriu SA, et al. *Arch Ophthalmol* 90:355-7, Nov 73
- Pancreatic transplantation for diabetes mellitus. Merkel FK, et al. *Ill Med J* 144:477-9 passim, Nov 73
- Therapy of sarcoidosis initiated with alternate-day prednisone. Sheagren JN, et al. *J Natl Med Assoc* 65:391-8, Sep 73
- Growth and development of children with renal transplants. Use of alternate-day steroid therapy. McEnery PT, et al. *J Pediatr* 83:806-14, Nov 73

ADRENAL

- Immunosuppressive therapy for chronic liver disease. Murray-Lyon IM. *J R Coll Physicians Lond* 8:37-44, Oct 73 (35 ref.)
- The clinical course of idiopathic membranous nephropathy. Erwin DT, et al. *Mayo Clin Proc* 48:697-712, Oct 73
- Clinical trials with intensive chemotherapy and radiotherapy in Hodgkin's disease. De Lena M, et al. *Natl Cancer Inst Monogr* 36:403-20, May 73
- Intensive chemotherapy for Hodgkin's disease: long-term complications. DeVita VT, et al. *Natl Cancer Inst Monogr* 36:447-54, May 73
- International Symposium on Hodgkin's Disease. Session 5. Treatment. Current status of clinical trials: Stanford experience, 1962-72. Kaplan HS, et al. *Natl Cancer Inst Monogr* 36:363-71, May 73
- Combination chemotherapy in advanced and recurrent Hodgkin's disease. McElwain TJ, et al. *Natl Cancer Inst Monogr* 36:395-402, May 73
- Treatment of chronic lymphocytic leukemia. Thomas ED, et al. *NC Med J* 34:789-91, Oct 73
- Asymptomatic bacteriuria and the nephrotic syndrome in children. McVicar M, et al. *Nephron* 11:325-32, 1973
- Polymyalgia rheumatica: a review of recent literature. Kanter SF. *Ohio State Med J* 69:669-71, Sep 73
- Psychopathology in systemic lupus erythematosus. II. Relation to clinical observations, corticosteroid administration, and cerebrospinal fluid C4. Baker M, et al. *Semin Arthritis Rheum* 3:111-28, 1973
- Treatment of advanced Hodgkin's disease with combination chemotherapy. Mubashir BA, et al. *South Med J* 66:779-84, Jul 73
- [Glucocorticoids in virus hepatitis] Kaiser H. *Dtsch Med Wochenschr* 98:1684, 7 Sep 73 (Ger)

ADVERSE EFFECTS

- Disseminated strongyloidiasis with cerebral involvement. A complication of corticosteroid therapy. Neefe LI, et al. *Am J Med* 55:832-8, Dec 73
- Azathioprine therapy in polymyositis. Benson MD, et al. *Arch Intern Med* 132:447-51, Oct 73
- Temporal arteritis, steroid therapy, and pulmonary emboli. Uriu SA, et al. *Arch Ophthalmol* 90:355-7, Nov 73
- Psoriasis exacerbated by hypoparathyroidism with hypocalcaemia. Risum G. *Br J Dermatol* 89:309-12, Sep 73
- The aetiology of hypertension after renal transplantation in man. Sampson D, et al. *Br J Surg* 60:819-24, Oct 73
- Therapy of sarcoidosis initiated with alternate-day prednisone. Sheagren JN, et al. *J Natl Med Assoc* 65:391-8, Sep 73
- Immunosuppressive therapy for chronic liver disease. Murray-Lyon IM. *J R Coll Physicians Lond* 8:37-44, Oct 73 (35 ref.)
- Development of acute leukaemia in a patient with lymphosarcoma. Gunz FW, et al. *NZ Med J* 78:71-5, 25 Jul 73
- [Visceral Kaposi's sarcoma in a kidney recipient] Halm A, et al. *Harefuah* 85:214-5, 2 Sep 73 (Eng. Abstr.) (Heb)

ANALYSIS

- Preparation of stable prednisone suspension. Raitt JR, et al. *Am J Hosp Pharm* 30:923-4, Oct 73
- Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. *Steroids* 22:445-50, Sep 73

BLOOD

- Thymoma, myasthenia gravis, erythroblastopenic anemia and systemic lupus erythematosus in one patient. MacKechnie HL, et al. *Can Med Assoc J* 109:733-8, 20 Oct 73

METABOLISM

- The aetiology of hypertension after renal transplantation in man. Sampson D, et al. *Br J Surg* 60:819-24, Oct 73

PHARMACODYNAMICS

- Factors responsible for urinary fistula in the renal transplant recipient. Hricko GM, et al. *Ann Surg* 178:609-15, Nov 73

The effect of corticosteroids on the retinal cryoadhesion. Flindall RJ, et al.
Can J Ophthalmol 8:568-8, Oct 73

The effects of antineoplastic agents on the respiratory activity of murine lymphocytic leukemia L1210. Goodman MT, et al. *Experientia* 29:1124-6, 15 Sep 73

Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylate cyclase and adenosine triphosphatase in pharmacologic regulation. Coffey RG, et al.
Int Arch Allergy Appl Immunol 45:593-611, 1973

Growth and development of children with renal transplants. Use of alternate-day steroid therapy. McEnery PT, et al. *J Pediatr* 83:806-14, Nov 73

Clinical liver heterotopic (auxiliary) transplantation. Fortner JG, et al. *Surgery* 74:739-51, Nov 73

THERAPEUTIC USE

Mesenteric arteritis with extensive intestinal gangrene. Nygaard K, et al.
Acta Chir Scand 139:470-5, 1973

The treatment of terminal metamorphosis of chronic granulocytic leukaemia with corticosteroids and vincristine. Marmont AM, et al.
Acta Haematol (Basel) 50:1-8, 1973

Radiation induced pericarditis in Hodgkin's disease. Marks RD Jr, et al.
Acta Radiol [Ther] (Stockh) 12:305-12, Aug 73

Adrenal involvement in cryptococcosis. Salzer WR, et al. *Am J Clin Pathol* 60:559-61, Oct 73

Desquamative interstitial pneumonia. Case report of an infant unresponsive to treatment. Howatt WF, et al. *Am J Dis Child* 126:346-8, Sep 73

Dyskeratosis congenita with pancytopenia. Another constitutional anemia. Inoue S, et al.
Am J Dis Child 126:389-96, Sep 73

Familial sarcoidosis. Keating JP, et al.
Am J Dis Child 126:644-7, Nov 73

Erythroid aplasia in systemic lupus erythematosus. Cassileth PA, et al. *Am J Med* 55:706-10, Nov 73

Goodpasture's syndrome: failure of nephrectomy to cure pulmonary hemorrhage. Elsinger AJ.
Am J Med 55:565-70, Oct 73

Editorial: Chronic active hepatitis. Javitt NB.
Am J Med 55:733-5, Dec 73

Case report: erythema multiforme in systemic lupus erythematosus. Alarcon-Segovia D, et al.
Am J Med Sci 266:149-51, Aug 73

Pediatric oncology. Jaffe N.
Am J Med Technol 39:345-53, Sep 73

Diffuse eosinophilic gastroenteritis. Goldberg HI, et al.
Am J Roentgenol Radium Ther Nucl Med 119:342-51, Oct 73

Miliary tuberculosis in a renal transplant recipient. Neff TA, et al. *Am Rev Respir Dis* 108:677-8, Sep 73

Desquamative interstitial pneumonia. New ultrastructural findings. Rhodes ML.
Am Rev Respir Dis 108:950-4, Oct 73

Five-year follow-up of allergic bronchopulmonary aspergillosis. Safirstein BH, et al.
Am Rev Respir Dis 108:450-9, Sep 73

Sarcoidosis in identical twins. Observations on the course of treated and untreated identical diseases. Selroos O, et al. *Am Rev Respir Dis* 108:1401-6, Dec 73

Prednisone therapy of acute alcoholic hepatitis. Report of a controlled trial. Campra JL, et al.
Ann Intern Med 79:625-31, Nov 73

Combination chemotherapy in advanced Hodgkin's disease. Induction and maintenance of remission. Frel E 3d, et al. *Ann Intern Med* 79:378-82, Sep 73

Editorial: Alcoholic hepatitis and corticosteroids. Leevy CM, et al. *Ann Intern Med* 79:739-40, Nov 73

Rupture of the extensor tendons of the hand in lupus erythematosus disseminatus. Lotem M, et al.
Ann Rheum Dis 32:457-9, Sep 73

Diagnosis and reversal of rejection in experimental and clinical lung allografts. Velth FJ, et al.
Ann Thorac Surg 16:172-83, Aug 73

Immunoglobulins in the larynx in systemic lupus erythematosus. Gilliam JN, et al.
Arch Dermatol 108:696-7, Nov 73

Steroid treatment of hemangiomas in children. Lasser AE, et al. *Arch Dermatol* 108:565-7, Oct 73

Letter: Multiple actinic keratoses of the forehead. Vall JT Jr. *Arch Dermatol* 108:581, Oct 73

Beclomethasone dipropionate aerosol in childhood asthma. Dickson W, et al.
Arch Dis Child 48:671-5, Sep 73

Inflammatory ocular myopathy in systemic sclerosis

(scleroderma). A case report and review of the literature. Arnett FC, et al.
Arch Intern Med 132:740-3, Nov 73

Azathioprine therapy in polymyositis. Benson MD, et al.
Arch Intern Med 132:447-51, Oct 73

Serial changes in scleroderma and idiopathic interstitial lung disease. Colp CR, et al.
Arch Intern Med 132:506-15, Oct 73

Anticomplementary hepatitis B antigen. Prognostic importance in chronic active liver disease. Gitnick GL, et al. *Arch Intern Med* 132:502-5, Oct 73

Vincristine neurotoxicity and abnormal secretion of antidiuretic hormone. Robertson GL, et al.
Arch Intern Med 132:717-20, Nov 73

Disseminated breast carcinoma. Treatment with combination chemotherapy. Spigel SC, et al.
Arch Intern Med 132:575-7, Oct 73

Uveal effusion. II. Report of a case with analysis of subretinal fluid. Brockhurst RJ, et al.
Arch Ophthalmol 90:399-401, Nov 73

Bilateral meningococcal endophthalmitis. Jensen AD, et al. *Arch Ophthalmol* 90:396-8, Nov 73

Temporal arteritis, steroid therapy, and pulmonary emboli. Urtu SA, et al.
Arch Ophthalmol 90:355-7, Nov 73

A fatal case of Reiter's disease complicated by amyloidosis. Caughey DE, et al.
Arthritis Rheum 16:695-700, Sep-Oct 73

An attempt to specify indications for cytostatic treatment of the nephrotic syndrome in children on the basis of histopathological and histochemical examinations of the kidneys. Fydyk J.
Beltr Pathol 149:23-38, May 73

The aetiology of hypertension after renal transplantation in man. Sampson D, et al.
Br J Surg 60:819-24, Oct 73

Method for assessing therapeutic potential of anti-inflammatory antirheumatic drugs in rheumatoid arthritis. Lee P, et al. *Br Med J* 2:685-8, 23 Jun 73

Editorial: Cytotoxic drugs and lupus nephritis. *Br Med J* 4:6, 6 Oct 73

Digital artery thrombosis and vasculitis in juvenile rheumatoid arthritis. Carson RA.
Can Med Assoc J 109:384-6, 1 Sep 73

Autoimmune hemolytic anemia terminating seven years later in Hodgkin's disease. Cazenave JP, et al.
Can Med Assoc J 109:748-9 passim, 20 Oct 73

Therapy of mycosis fungoides with bleomycin. Spigel SC, et al. *Cancer* 32:767-70, Oct 73

The phase II study: some reflections, particularly concerning disseminated breast cancer. Ahmann DL.
Cancer Chemother Rep [Suppl] 3:29-32, 1 May 72

An overview of the status of the nitrosoureas in other tumors. Carter SK.
Cancer Chemother Rep [Suppl] 4:35-46, May 73 (4 ref.)

Current status of new agents. Carter SK.
Cancer Chemother Rep [Suppl] 3:33-47, May 72

Chemotherapy of malignant lymphoma with adriamycin. Gottlieb JA, et al.
Cancer Res 33:3024-8, Nov 73

Changing approach to diagnosis and treatment. Banyal AL. *Chest* 64:627, Nov 73

Systemic lupus erythematosus and acute myocardial infarction. Jensen G, et al. *Chest* 64:653-4, Nov 73

Leukemic cells with membrane properties of thymus-derived (T) lymphocytes in a case of Sézary's syndrome: morphologic and immunologic studies. Broome JD, et al.
Clin Immunol Immunopathol 1:319-29, Apr 73

Relationship between plasma cortisol and peak expiratory flow rate in exercise-induced asthma and the effect of sodium cromoglycate. Jaffe P, et al.
Clin Sci Mol Med 45:533-41, Oct 73

Pityriasis rubra pilaris with muscle and joint involvement. Aguilar AR, et al.
Dermatologica 146:361-6, 1973

Leucocyte migration inhibition to *Mycoplasma fermentans* in patients with rheumatoid arthritis. Brostoff J, et al.
Int Arch Allergy Appl Immunol 45:690-6, 1973

Effect of prednisone on spontaneous canine asthma. Arkins JA, et al.
J Allergy Clin Immunol 52:278-83, Nov 73

Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA.
J Am Osteopath Assoc 73:35-8, Sep 73

Respiratory failure in chronic airways obstruction. Norman JR, et al.
J Miss State Med Assoc 14:431-8, Oct 73

Tuberculoma of the brain stem: control of relapses by

steroid therapy. Case report. Sumra RS, et al. *J Neurosurg* 39:402-4, Sep 73

Editorial: Treatment of childhood leukemia. McIntosh S, et al. *J Pediatr* 83:889-902, Nov 73

Immunosuppressive therapy for chronic liver disease. Murray-Lyon IM.

J R Coll Physicians Lond 8:37-44, Oct 73 (35 ref.)

Leukocyte (3H) thymidine uptake in short-term whole-blood cultures of human and canine renal allograft recipients. Pauly JL, et al.

J Surg Res 15:301-8, Oct 73

Editorial: Antilymphocyte globulin.

Lancet 2:834, 13 Oct 73

The clinical course of idiopathic membranous nephropathy. Erwin DT, et al.

Mayo Clin Proc 48:697-712, Oct 73

Hyperphosphatemia, hyperphosphaturia and hypocalcemia in acute lymphoblastic leukemia. Zusman J, et al. *N Engl J Med* 289:1335-40, 20 Dec 73

International Symposium on Hodgkin's Disease. Session 4. Small group workshops. Report on workshop: Chemotherapy. Carbone PP.

Natl Cancer Inst Monogr 36:357-8, May 73

Clinical trials with intensive chemotherapy and radiotherapy in Hodgkin's disease. De Lena M, et al.

Natl Cancer Inst Monogr 36:403-20, May 73

Combined drug treatment of Hodgkin's disease: remission induction, remission duration, and survival: an appraisal. DeVita VT.

Natl Cancer Inst Monogr 36:373-9, May 73

Intensive chemotherapy for Hodgkin's disease: long-term complications. DeVita VT, et al.

Natl Cancer Inst Monogr 36:447-54, May 73

International Symposium on Hodgkin's Disease. Session 5. Treatment. Current status of clinical trials: Stanford experience, 1962-72. Kaplan HS, et al.

Natl Cancer Inst Monogr 36:363-71, May 73

Combination chemotherapy in advanced and recurrent Hodgkin's disease. McElwain TJ, et al.

Natl Cancer Inst Monogr 36:395-402, May 73

Treatment of chronic lymphocytic leukemia. Thomas ED, et al. *NC Med J* 34:789-91, Oct 73

Asymptomatic bacteriuria and the nephrotic syndrome in children. McVicar M, et al. *Nephron* 11:325-32, 1973

Polymyalgia rheumatica: a review of recent literature. Kanter SF. *Ohio State Med J* 69:669-71, Sep 73

Combination radiotherapy and chemotherapy in the treatment of early Hodgkin's disease. Brace K, et al. *Oncology* 27:484-92, 1973

Hypercalcemia complicating breast cancer. Clinical features and management. Davis HL Jr, et al. *Oncology* 28:126-37, 1973

Triphalangeal thumbs associated with hypoplastic anemia. Jones B, et al. *Pediatrics* 52:609-12, Oct 73

Reversal of rapidly progressive renal failure associated with polyarteritis. Brock PG, et al.

Proc R Soc Med 66:656-7, Jul 73

The chest roentgenographic manifestations of Proneostyl-induced lupus erythematosus. Auerbach RC, et al. *Radiology* 109:287-90, Nov 73

Uncommon effects of prednisone therapy in chronic lymphocytic leukemias. Crigan M, et al.

Rev Roum Med Intern 10:279-84, 1973

Combination chemotherapy in advanced Hodgkin's disease. Goclu M, et al.

Rev Roum Med Intern 10:301-5, 1973

Quadriceps femoris strength. Cuddigan JH.

Rheumatol Phys Med 12:77-83, May 73

Combination chemotherapy of advanced Hodgkin's disease. Gray JL, et al. *Rocky Mt Med J* 70:33-7, Oct 73

Psychopathology in systemic lupus erythematosus. I. Psychiatric observations. Baker M.

Semin Arthritis Rheum 3:95-110, 1973

Psychopathology in systemic lupus erythematosus. II. Relation to clinical observations, corticosteroid administration, and cerebrospinal fluid C4. Baker M, et al. *Semin Arthritis Rheum* 3:111-26, 1973

Hodgkin's disease of the colon. Habib MA, et al. *South Med J* 66:1067-8, Sep 73

Treatment of advanced Hodgkin's disease with combination chemotherapy. Mubashir BA, et al.

South Med J 66:779-84, Jul 73

Sympathetic uveitis following evisceration. Green WR, et al.

Trans Am Acad Ophthalmol Otolaryngol 76:825-44, May-Jun 72

Herpesviruses in renal transplant patients. Pien FD, et al. *Transplantation* 16:489-95, Nov 73

Renal dialysis and kidney transplantation program for

the state of Maine. Marshall DF, et al.

Urology 2:368-70, 4 Oct 73

Antibody response in Hodgkin's disease and other lymphomas related to HL-A antigens, immunoglobulin levels and therapy. Sybesma JP, et al.

Vox Sang 25:254-62, Sep 73

II. Medical treatment of inflammatory bowel disease. Gray GM. *West J Med* 119:21-4, Nov 73

[Richter's syndrome. 4 cases and an attempt at analysis] Hoerni B, et al.

Acta Haematol (Basel) 50:213-6, Oct 73 (Eng. Abstr.) (Fre)

[Oto-neurological manifestation of Besnier-Boeck-Schaumann disease] Pinel J, et al.

Ann Otolaryngol Chir Cervicofac 90:457-61, Jul-Aug 73 (Fre)

[Wiskott-Aldrich syndrome. Recent information apropos of 4 cases] Griscelli C, et al.

Nouv Rev Fr Hematol 13:554-68, Jul-Aug 73 (47 ref.) (Fre)

[Systemic lupus erythematosus. Etiopathogenesis and immunosuppressive therapy] Clément F.

Schweiz Med Wochenschr 103:1369-77, 6 Oct 73 (Eng. Abstr.) (Fre)

[Nephrotic syndrome due to penicillamine (author's transl)] Henningsen B, et al.

Dtsch Med Wochenschr 98:1768, 21 Sep 73 (Eng. Abstr.) (Ger)

[Aplastic anaemia caused by isolated bone marrow reticulosis in infancy (author's transl)] Welppl G. *Klin Paediatr* 185:326-31, Jul 73 (Eng. Abstr.) (Ger)

[Generalized herpes zoster with Landry's ascending paralysis (author's transl)] Schley G, et al.

Med Klin 68:1261-5, 28 Sep 73 (Eng. Abstr.) (Ger)

[Treatment of periarthritis nodosa using immunosuppressants and glucocorticoids] Lichtrath H, et al. *Med Welt* 24:1129-32, 13 Jul 73 (Ger)

[Hydrocortisone therapy of the AGS (adrenogenital syndrome)] Rager K, et al.

Monatsschr Kinderheilkd 121:411-2, Jul 73 (Ger)

[Chemotherapy of malignant tumors] Ehrhart H.

Munch Med Wochenschr 115:814-32, 4 May 73 (Eng. Abstr.) (Ger)

[Diagnosis and therapy of Hodgkin's disease] Huhn D, et al.

Munch Med Wochenschr 115:865-77, 11 May 73 (Eng. Abstr.) (Ger)

[Treatment of prostatic, corpus uteri and kidney neoplasms (hypernephromas) in general practice] Obrecht JP, et al.

Schweiz Med Wochenschr 103:1414-21, 13 Oct 73 (Eng. Abstr.) (Ger)

[Therapy of idiopathic diffuse pulmonary fibrosis] Schlehe H, et al.

Schweiz Med Wochenschr 103:1543-7, 3 Nov 73 (Eng. Abstr.) (Ger)

[Study of the metastasizing carcinoma of the breast (author's transl)] Brunner KW, et al.

Ther Umsch 30:646-50, Sep 73 (Eng. Abstr.) (Ger)

Persistence of deoxyribonucleic acid polymerase I and its 5'-3' exonuclease activity in PolA mutants of *Escherichia coli* K12. Sonntag RW.

Ther Umsch 30:641-5, Sep 73 (Eng. Abstr.) (Ger)

[Collagen-like protein as an activity criterion in the disease course observation of progressive chronic polyarthritis] Hoffmann-Blume E, et al.

Z Gesamte Inn Med 28:285-90, 15 May 73 (Eng. Abstr.) (Ger)

[Temporal arteritis] Rygvold O, et al.

Tidsskr Nor Lægeforen 93:690-2, 10 Apr 73 (Eng. Abstr.) (Nor)

[Probable spontaneous remission in a 20-month-old girl with Abt-Letterer-Siwe disease] Kamińska M, et al.

Pediatr Pol 48:1015-8, Aug 73 (Pol)

[Case of Horton's disease (arteritis temporalis)] Moskal J, et al. *Wiad Lek* 26:1533-4, 15 Aug 73 (Pol)

[Action of corticoid therapy on the dimensions of the tuberculin reaction] Sliba S, et al.

Fiziologia 22:523-8, Sep-Oct 73 (Eng. Abstr.) (Rum)

TOXICITY

Disseminated breast carcinoma. Treatment with combination chemotherapy. Spiegel SC, et al.

Arch Intern Med 132:575-7, Oct 73

PREGNANETRIOL

METABOLISM

- 17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al. *Horm Res* 4:34-42, 1973
- Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:463-75, Sep 73
- Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73

URINE

- Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. Rappaport R, et al. *Acta Paediatr Scand* 62:513-9, Sep 73
- The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73
- C-21 oxidation of cortisol in man. Bradlow HL, et al. *J Clin Endocrinol Metab* 37:805-10, Nov 73
- A modified method for the estimation of pregnanediol, pregnanetriol and seven common 17-ketosteroids in urine by gas-liquid chromatography. Qazi QH, et al. *Steroids* 22:311-25, Sep 73
- [Hydrocortisone therapy of the AGS (adrenogenital syndrome)] Rager K, et al. *Monatsschr Kinderheilkd* 121:411-2, Jul 73 (Ger)

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

- Periocular injection of steroids. Nozik RA. *Trans Am Acad Ophthalmol Otolaryngol* 76:695-705, May-Jun 72

ADVERSE EFFECTS

- Periocular injection of steroids. Nozik RA. *Trans Am Acad Ophthalmol Otolaryngol* 76:695-705, May-Jun 72

METABOLISM

- Specific glucocorticoid binding in human hemopoietic cell lines and neoplastic tissue. Gallani S, et al. *Cancer Res* 33:2653-7, Nov 73

PHARMACODYNAMICS

- The effect of corticosteroids on the retinal cryoadhesion. Flindall RJ, et al. *Can J Ophthalmol* 8:566-8, Oct 73
- An in vitro evaluation of tetrahydrotriamcinolone. Bigger JF, et al. *Invest Ophthalmol* 12:856-8, Nov 73

THERAPEUTIC USE

- Acute febrile ulcerative conglobate acne with leukemoid reaction. Ström S, et al. *Acta Derm Venereol (Stockh)* 53:306-12, 1973
- Erythema annulare-like pustular psoriasis. Resneck JS, et al. *Arch Dermatol* 108:687-8, Nov 73
- An in vitro evaluation of tetrahydrotriamcinolone. Bigger JF, et al. *Invest Ophthalmol* 12:856-8, Nov 73

- Quantitative effect of topically applied anti-inflammatory agents on external ocular inflammation in rats. Malstrello I, et al. *J Pharm Sci* 62:1455-60, Sep 73
- Periocular injection of steroids. Nozik RA. *Trans Am Acad Ophthalmol Otolaryngol* 76:695-705, May-Jun 72
- [Lichen amyloidosis with atypical localization] Go MJ, et al. *Hautarzt* 24:353-5, Aug 73 (Ger)
- [Vitiligo: new possibilities in the treatment and its adverse effects] Petzoldt D. *Hautarzt* 24:221-2, May 73 (Ger)

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

- Intradermal triamcinolone acetonide injection in the yellow nail syndrome. Abell E, et al. *Trans St Johns Hosp Dermatol Soc* 59:114-7, 1973
- [Induction of chronic trichophytosis in small experimental animals for testing of antimycotics. II. Effect of triamcinolone acetonide on experimental guinea pig trichophytosis] Millberger HJ, et al. *Z Hautkr* 48:637-42, 15 Aug 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

- Induction of acne by topical steroids. Plewig G, et al. *Arch Dermatol Forsch* 247:29-52, 1973
- [Induction of chronic trichophytosis in small experimental animals for testing of antimycotics. II. Effect of triamcinolone acetonide on experimental guinea pig trichophytosis] Millberger HJ, et al. *Z Hautkr* 48:637-42, 15 Aug 73 (Eng. Abstr.) (Ger)

METABOLISM

- Characterization of a distinct glucocorticoid-binding protein in the lactating mammary gland of the rat. Gardner DG, et al. *Biochim Biophys Acta* 320:617-27, 5 Oct 73
- Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al. *J Biol Chem* 248:7625-30, 25 Nov 73

PHARMACODYNAMICS

- Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al. *J Biol Chem* 248:7625-30, 25 Nov 73
- The effect of incubation in vitro with triamcinolone acetonide on murine heart and skin allograft survival. Graff WT, et al. *Transplantation* 16:359-64, Oct 73

THERAPEUTIC USE

- Benign lymphocytic lymphoma of the upper eyelid and left plica semilunaris. Tabor GL. *Ann Ophthalmol* 5:964-5, Sep 73
- New therapy for polymorphous light eruption. Nordlund JJ, et al. *Arch Dermatol* 108:710-2, Nov 73
- Effect of corticosteroids on seasonal increases in IgE antibody. Henderson LL, et al. *J Allergy Clin Immunol* 52:352-7, Dec 73
- Quantitative effect of topically applied anti-inflammatory agents on external ocular inflammation in rats. Malstrello I, et al. *J Pharm Sci* 62:1455-60, Sep 73

ADRENAL

IV. Related Topics

AMINOGLUTETHIMIDE

THERAPEUTIC USE

Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome. Schmitt KW, et al. *Clin Chem* 19:1067-8, Sep 73

DDD

ADMINISTRATION & DOSAGE

Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al. *Cornell Vet* 63:646-65, Oct 73

Pesticide residues in milk and in tissues following long, low 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake. Whiting FM, et al. *J Dairy Sci* 56:1324-8, Oct 73 [Secretion of aldosterone in dogs after administration of o,p'-dichlorodiphenyldichloroethane (o,p'-DDD)] Komissarenko VP, et al. *Probl Endokrinol (Mosk)* 19:72-6, Sep-Oct 73 (Eng. Abstr.) (Rus)

ANALYSIS

Organochlorine pesticide content of human adipose tissue in Karachi. Mughal HA, et al. *Arch Environ Health* 27:396-8, Dec 73

Pesticide residues in milk and in tissues following long, low 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake. Whiting FM, et al. *J Dairy Sci* 56:1324-8, Oct 73

METABOLISM

Pesticide residues in milk and in tissues following long, low 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake. Whiting FM, et al. *J Dairy Sci* 56:1324-8, Oct 73

PHARMACODYNAMICS

DDT inhibition of active chlorophenol red transport in goldfish (*Carassius auratus*) renal tubules. Gruppiso PA, et al.

Bull Environ Contam Toxicol 10:181-6, Sep 73 [Secretion of aldosterone in dogs after administration of o,p'-dichlorodiphenyldichloroethane (o,p'-DDD)] Komissarenko VP, et al. *Probl Endokrinol (Mosk)* 19:72-6, Sep-Oct 73 (Eng. Abstr.) (Rus) [Effect of o,p'-DDD on biosynthesis of corticosteroids in the adrenal tissue in vitro] Kravchenko VI. *Probl Endokrinol (Mosk)* 19:76-9, Sep-Oct 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al. *Cornell Vet* 63:646-65, Oct 73

TOXICITY

Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Lorenz MD, et al. *Cornell Vet* 63:646-65, Oct 73

METYRAPONE

[Endocrinological future of hypophysectomized adults, excluding diabetes insipidus (study of 25 cases)] Murie N, et al. *Ann Endocrinol (Paris)* 34:133-44, Mar-Apr 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al. *J Clin Endocrinol Metab* 37:540-9, Oct 73

DIAGNOSTIC USE

Comparison of growth acceleration of pituitary dwarfs treated with anabolic steroid and thyroid hormone with normal growth spurt. Harada Y, et al. *Acta Endocrinol (Kbh)* 74:237-49, Oct 73

Endocrine studies on schistosomiasis and malnutrition in children. Ahoul-Dahah YK, et al. *Acta Hepatogastroenterol (Stuttg)* 20:102-15, Mar-Apr 73

Adrenocortical function in acromegaly. Charro AL, et al. *Am J Med Sci* 266:211-8, Sep 73

Pituitary gigantism. A case report and review. Hargier ED Jr, et al. *Arch Intern Med* 132:588-94, Oct 73

Endogenous ACTH induced remission in myasthenia gravis. Arhona NJ, et al.

Bull Los Angeles Neurol Soc 38:183-7, Oct 73

Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. *Invest Urol* 11:194-7, Nov 73

Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al.

J Clin Endocrinol Metab 37:540-9, Oct 73

Growth hormone studies before and during catch-up growth in a child with emotional deprivation and short stature. Powell GF, et al.

J Clin Endocrinol Metab 37:674-9, Nov 73

Response to 2-deoxy-D-glucose and to glucagon in "ketotic hypoglycemia" of childhood: evidence for epinephrine deficiency and altered alanine availability. Sizonenko PC, et al.

Pediatr Res 7:983-93, Dec 73

Correlation of the clinical response to ACTH treatment with the endocrine status in myasthenia gravis. Cape CA, et al. *South Med J* 66:1011-3, Sep 73

[Metyrapone test after treatment with slow-acting tetracosactide (slow-acting synactene)] Murie N, et al. *Ann Endocrinol (Paris)* 34:164-73, Mar-Apr 73 (Fre)

PHARMACODYNAMICS

Transport of cortisol, progesterone and cholesterol across isolated mesentery. Effect of metyrapone. Couturier E, et al. *J Membr Biol* 13:89-96, 30 Aug 73

Metabolic activation of halothane and its covalent binding to liver endoplasmic proteins in vitro. Uehleke H, et al.

Naunyn-Schmiedeberg Arch Pharmacol 279:39-52, 24 Aug 73

The effects of metyrapone and ACTH on the development of gluconeogenesis in the neonatal pig. Martin RJ, et al.

Proc Soc Exp Biol Med 144:603-8, Nov 73

Irreversible binding of ¹⁴C from ¹⁴CCl₄ to liver microsomal lipids and proteins from rats pretreated with compounds altering microsomal mixed-function oxygenase activity. Díaz Gómez MI, et al.

Toxicol Appl Pharmacol 25:534-41, Aug 73

PITUITARY-ADRENAL SYSTEM

Letter: Environmental noise. Falk SA. *Am J Public Health* 63:833-6, Oct 73

Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. *Invest Urol* 11:194-7, Nov 73

Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and

Intravenous metyrapone with insulin hypoglycemia. Keenan BS, et al.

J Clin Endocrinol Metab 37:540-9, Oct 73
Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Lesbner AI, et al. Physiol Behav 11:705-11, Nov 73

Maturity of the pituitary-adrenal axis in the newborn dog. Muelhelms GH, et al.

Proc Soc Exp Biol Med 143:1197-200, Sep 73

Correlation of the clinical response to ACTH treatment with the endocrine status in myasthenia gravis. Cape CA, et al. South Med J 66:1011-3, Sep 73

[Clinical adenohipophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E.

Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al. Acta Endocrinol (Kbh) 73:651-9, Aug 73

Effect of neonatal corticosterone administration on behavioural and pituitary-adrenocortical responses in the rat. Nyakaa C, et al.

Acta Physiol Acad Sci Hung 42:231-41, 1972

Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Lesbner AI, et al. Physiol Behav 11:705-11, Nov 73

Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dibutyl cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al.

Proc Soc Exp Biol Med 143:941-7, Sep 73

Effects of urethane on pituitary-adrenal function in the rat. Ondo JG, et al.

Proc Soc Exp Biol Med 143:894-8, Sep 73

Inhibition of morphine-induced pituitary-adrenal activation by dexamethasone in the female rat. Zimmermann E, et al.

Proc Soc Exp Biol Med 143:1224-6, Sep 73

GROWTH & DEVELOPMENT

Quantitative relations of fetal and maternal pituitary-adrenal systems. Jackson BT, et al. J Clin Invest 52:3154-60, Dec 73

PHYSIOLOGY

Quantitative relations of fetal and maternal pituitary-adrenal systems. Jackson BT, et al. J Clin Invest 52:3154-60, Dec 73

[Newborn swine as experimental animals. II. Blood glucose during cold stress] Herbst HG, et al. Z Versuchstierkd 15:65-82, 1973 (Eng. Abstr.) (Ger)

RENIN

ADMINISTRATION & DOSAGE

Effects of exogenous renin and sodium load on renin activity in unilaterally nephrectomized rats. Hiwada K, et al. Pflugers Arch 342:105-10, 17 Aug 73

ANALYSIS

Effects of exogenous renin and sodium load on renin activity in unilaterally nephrectomized rats. Hiwada K, et al. Pflugers Arch 342:105-10, 17 Aug 73

ANTAGONISTS & INHIBITORS

Substrate analog competitive inhibitors of human renin. Parikh I, et al.

Biochem Biophys Res Commun 54:1356-61, 15 Oct 73

Competitive inhibitors of renin. Poulsen K, et al. Biochemistry 12:3877-82, 25 Sep 73

In vitro inhibition by synthetic phospholipids of pressor responses to renin. Buñag RD, et al. Eur J Pharmacol 23:191-6, Aug 73

Peptstatin, an inhibitor for renin purification by affinity chromatography. Corvol P, et al.

FEBS Lett 34:189-92, 15 Aug 73

Hypertension in terminal renal failure. Observations pre and post bilateral nephrectomy. Del Greco F, et al. J Chronic Dis 26:471-501, Aug 73

BIOSYNTHESIS

Glycerol-induced acute renal failure after acute plasma renin activity suppression. Flamenbaum W, et al. J Lab Clin Med 82:587-96, Oct 73

The traditional oriental medicine and acupuncture therapy. Toyama PM, et al.

J Miss State Med Assoc 14:488-95, Nov 73 (101 ref.)

BLOOD

Beta-adrenergic blockade in essential hypertension. Effects of propranolol on hemodynamic parameters and plasma renin activity. Hansson L.

Acta Med Scand [Suppl] 55:1-40, 1973

Renin and sympathetic nervous system responsiveness to adrenergic stimuli in essential hypertension. Esler MD, et al. Am J Cardiol 32:643-9, Oct 73

Differential renal venous renin activity in diagnosis of renovascular hypertension. Review of 29 cases. Hussain RA, et al. Am J Cardiol 32:707-15, Oct 73

Renin as a risk factor in essential hypertension: more evidence. Brunner HR, et al.

Am J Med 55:295-302, Sep 73

Bartter's syndrome and erythrocytosis. Erkelens DW, et al. Am J Med 55:711-9, Nov 73

Renin, angiotensin and hypertensive vascular damage: a review. Glese J. Am J Med 55:315-32, Sep 73 (135 ref.)

Vasoconstriction-volume analysis for understanding and treating hypertension: the use of renin and aldosterone profiles. Laragh JH.

Am J Med 55:261-74, Sep 73

Hypertension in chronic renal failure. An abnormal relation between sodium and the renin-angiotensin system. Schalekamp MA, et al.

Am J Med 55:379-90, Sep 73

The physiology of renin secretion in essential hypertension. Estimation of renin secretion rate and renal plasma flow from peripheral and renal vein renin levels. Sealey JE, et al.

Am J Med 55:391-401, Sep 73

Searching out low renin patients: limitations of some commonly used methods. Sealey JE, et al.

Am J Med 55:303-14, Sep 73

Renovascular hypertension: renin measurements to indicate hypersecretion and contralateral suppression, estimate renal plasma flow, and score for surgical curability. Vaughan ED Jr, et al.

Am J Med 55:402-14, Sep 73

Renin-angiotensin system during labor: evaluation of renin activity in normal, pre-eclamptic, and pre-existing hypertensive patients. Hoffman CM, et al. Am J Obstet Gynecol 117:537-43, 15 Oct 73

Effect of antirenin on blood pressure of rabbits with experimental renal hypertension. Romero JC, et al. Am J Physiol 225:810-7, Oct 73

Effect of hemorrhage with and without fluid replacement on plasma renin activity. Weber MA, et al. Am J Physiol 225:1161-4, Nov 73

Clinical conference: Essential hypertension: new concepts about mechanisms. Ann Intern Med 79:411-24, Sep 73

Renovascular hypertension in the pediatric patient. Fry WJ, et al. Arch Surg 107:692-8, Nov 73

The aetiology of hypertension after renal transplantation in man. Sampson D, et al. Br J Surg 60:819-24, Oct 73

Interdependence of exchangeable sodium and plasma renin concentration in determining blood pressure in patients treated by maintenance dialysis. Rosen SM, et al. Br Med J 4:139-43, 20 Oct 73

Increased renin activity after cold storage of human plasma. Osmond DH, et al.

Can J Physiol Pharmacol 51:705-8, Sep 73

Renin activity in canine acute hepatic necrosis and chronic toxic hepatitis. Tapia HR, et al.

Can J Physiol Pharmacol 51:360-5, May 73

Renin in hypertension: how important as a risk factor? Genest J, et al. Can Med Assoc J 109:475-8, 15 Sep 73

Editorial: New knowledge of benign essential hypertension. Laidlaw JC.

Can Med Assoc J 109:453 passim, 15 Sep 73

Role of the adrenal glands in the development of severe hypertension. Carretero OA, et al.

Circ Res 33:516-20, Nov 73

Effect of sodium balance on arterial blood pressure and renal responses to prostaglandin A1 in man. Krakoff LR, et al. Circ Res 33:539-46, Nov 73

Influence of acute stimuli on plasma aldosterone

- concentration in anephric man and kidney allograft recipients. McCaa RE, et al. *Circ Res* 33:313-22, Sep 73
- Suppression of plasma renin by atherogenic levels of serum cholesterol in rabbits. Campbell DJ, et al. *Clin Sci Mol Med* 45:565-9, Oct 73
- Interrelationships between blood pressure, renin, renin substrate and blood volume in terminal renal failure. Schalekamp MA, et al. *Clin Sci Mol Med* 45:417-28, Oct 73
- Drinking induced by dextran and histamine: relation to kidneys and renin. Gutman Y, et al. *Eur J Pharmacol* 23:256-63, Sep 73
- Effect of propranolol and theophylline on renin release caused by furosemide in the cat. Johns EJ, et al. *Eur J Pharmacol* 23:67-73, Jul 73
- Plasma renin and the antihypertensive effect of 1-Sar-8-Ala-angiotensin II. Pals DT, et al. *Eur J Pharmacol* 23:115-9, Jul 73
- Renovascular hypertension: incidence, diagnosis, mechanism and treatment. Capelli JP, et al. *J Chronic Dis* 26:503-27, Aug 73 (156 ref.)
- Hypertension in terminal renal failure. Observations pre and post bilateral nephrectomy. Del Greco F, et al. *J Chronic Dis* 26:471-501, Aug 73
- Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. Ganguly A, et al. *J Clin Endocrinol Metab* 37:765-75, Nov 73
- Plasma renin activity in acromegaly. O'Moore BC. *J Ir Med Assoc* 66:481-3, 15 Sep 73
- Glycerol-induced acute renal failure after acute plasma renin activity suppression. Flamenbaum W, et al. *J Lab Clin Med* 82:587-96, Oct 73
- The effect of a beta-blocker on plasma renin activity of hypertensive patients. Salvetti A, et al. *J Nucl Biol Med* 17:162-50, Jul-Sep 73
- Letter: Effect of inhibitor concentration on radioimmunoassay of plasma renin activity. Hutchinson F, et al. *J Nucl Med* 14:872-3, Nov 73
- Clinical significance of plasma renin activity. Hollifield JW. *J Tenn Med Assoc* 66:947-8, Oct 73
- Renal vein renin determinations in hypertension: falsely negative tests. Poutasse EF, et al. *J Urol* 110:371-4, Oct 73
- Renin release in anesthetized rats. Churchill PC, et al. *Kidney Int* 4:273-9, Oct 73
- Dynamic studies of aldosterone in anephric man. Weidmann P, et al. *Kidney Int* 4:289-98, Oct 73
- Studies on the metabolism of aldosterone in chronic renal failure and anephric man. Williams GH, et al. *Kidney Int* 4:280-8, Oct 73
- Angiotensin-II blockade in man by sar1-ala8-angiotensin II for understanding and treatment of high blood-pressure. Brunner HR, et al. *Lancet* 2:1045-8, 10 Nov 73
- Editorial: Sodium and the pressor role of angiotensin. *Lancet* 2:1065-8, 10 Nov 73
- Acute renal failure. Thomson GE. *Med Clin North Am* 57:1579-89, Nov 73 (29 ref.)
- Essential hypertension with symptoms of hyperkinetic circulation. Eisler MD, et al. *Med J Aust* 2:253-7, 11 Aug 73
- Editorial: Hepatorenal and glomerulotubular imbalance. Bradley SE. *N Engl J Med* 289:1194-5, 29 Nov 73
- Recovery from "hepatorenal syndrome" after orthotopic liver transplantation. Iwatsuki S, et al. *N Engl J Med* 289:1155-9, 29 Nov 73
- Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al. *N Engl J Med* 289:1022-4, 8 Nov 73
- Plasma renin activity in segmental hypoplasia of the kidneys with hypertension. Godard C, et al. *Nephron* 11:368-17, 1973
- Response to 2-deoxy-D-glucose and to glucagon in "ketotic hypoglycemia" of childhood: evidence for epinephrine deficiency and altered alanine availability. Sizonenko PC, et al. *Pediatr Res* 7:983-93, Dec 73
- Effects of exogenous renin and sodium load on renin activity in unilaterally nephrectomized rats. Hiwada K, et al. *Pfluegers Arch* 342:105-10, 17 Aug 73
- Renin in anesthetized rats. Churchill PC, et al. *Proc Soc Exp Biol Med* 143:1018-21, Sep 73
- Criteria for the diagnosis of renovascular hypertension. Dean RH, et al. *Surgery* 74:926-30, Dec 73
- Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al. *Urology* 2:303-7, Sep 73
- [Clinical physiopathology of certain forms of secondary

- arterial hypertension] Veyrat R. *Schweiz Med Wochenschr* 103:1653-62, 24 Nov 73 (27 ref.) (Eng. Abstr.) (Fre)
- [Determination of plasma renin activity in edematous cirrhosis. Influence of various depletive treatments] Cottin S, et al. *Sem Hop Paris* 49:1357-63, 20 Apr 73 (Fre)
- [Plasma renin activity in venous renal blood and its stimulation by hydralazine and theophylline (author's transl)] Klumpp F, et al. *Klin Wochenschr* 51:875-82, 1 Sep 73 (Eng. Abstr.) (Ger)
- [Longitudinal studies in essential hypertensive patients with low plasma renin activity] Esch I, et al. *Wien Klin Wochenschr* 85:617-21, 21 Sep 73 (Eng. Abstr.) (Ger)
- [Diagnosis and therapy of renal artery stenosis from the viewpoint of an internist] Dutz H, et al. *Zentralbl Chir* 98:657-66, 4 May 73 (Ger)
- [Plasma renin activity in primary hyperaldosteronism] Németh M, et al. *Orv Hetil* 114:2469-72, 14 Oct 73 (Hun)
- [Serum renin activity and serum angiotensin II-interpretation of the test results] Kono T. *Jap J Clin Med* 31:1532-8, 1973 (62 ref.) (Jap)
- [Experimental data on plasma renin activity in rats treated with nerve-growth hormone and homologous antiserum] Brănișteanu DD, et al. *Fiziol Norm Patol* 19:315-20, Jul-Aug 73 (Eng. Abstr.) (Rum)

ISOLATION & PURIFICATION

- Pepstatin, an inhibitor for renin purification by affinity chromatography. Corvol P, et al. *FEBS Lett* 34:189-92, 15 Aug 73
- Isolation of a binding protein for pig renin. Boyd GW. *J Physiol (Lond)* 232:22P-23P, Jul 73

METABOLISM

- Differential renal venous renin activity in diagnosis of renovascular hypertension. Review of 29 cases. Hussain RA, et al. *Am J Cardiol* 32:707-15, Oct 73
- Relation of age, diastolic pressure and known duration of hypertension to presence of low renin essential hypertension. Tuck ML, et al. *Am J Cardiol* 32:637-42, Oct 73
- Renin activity in canine acute hepatic necrosis and chronic toxic hepatitis. Tapla HR, et al. *Can J Physiol Pharmacol* 51:360-5, May 73
- Hypertension, antihypertensive drugs and atherosclerosis. Hollander W. *Circulation* 48:1112-27, Nov 73 (118 ref.)
- Effect of propranolol and theophylline on renin release caused by furosemide in the cat. Johns EJ, et al. *Eur J Pharmacol* 23:67-73, Jul 73
- Effects of angiotensin on the central nervous system. Severs WB, et al. *Pharmacol Rev* 25:415-49, Sep 73 (182 ref.)
- The renin axis in causation, prognosis and treatment of hypertensive disease. Laragh JH. *Trans Stud Coll Physicians Phila* 41:131-40, Oct 73
- [Metabolism of water and sodium during normal pregnancy and pregnancy toxemia] Ménard J, et al. *Acquis Med Recent* 171-81, 1972 (Fre)

PHARMACODYNAMICS

- In vitro inhibition by synthetic phospholipids of pressor responses to renin. Buñag RD, et al. *Eur J Pharmacol* 23:191-6, Aug 73

PHYSIOLOGY

- Renin-angiotensin system during labor: evaluation of renin activity in normal, pre-eclamptic, and pre-existing hypertensive patients. Hoffman CM, et al. *Am J Obstet Gynecol* 117:537-43, 15 Oct 73
- Increased aldosterone secretion during sodium depletion with inhibition of renin release. Blair-West Jr, et al. *Am J Physiol* 224:1409-14, Jun 73
- Glycerol-induced acute renal failure after acute plasma renin activity suppression. Flamenbaum W, et al. *J Lab Clin Med* 82:587-96, Oct 73
- Effects of exogenous renin and sodium load on renin activity in unilaterally nephrectomized rats. Hiwada K, et al. *Pfluegers Arch* 342:105-10, 17 Aug 73
- Renin-angiotensin role in thirst: paradoxical enhancement of drinking by angiotensin converting

enzyme inhibitor. Lehr D, et al.

Science 182:1031-4, 7 Dec 73

[Neurohumoral regulation of kidney activity] Pytasz M.
Acta Physiol Pol [Suppl] 24:735-45, 1973 (Pol)

SECRETION

Renin and sympathetic nervous system responsiveness to adrenergic stimuli in essential hypertension. Esler MD, et al. Am J Cardiol 32:643-9, Oct 73

The control of renin release. Davis JO.

Am J Med 55:333-50, Sep 73 (117 ref.)

The physiology of renin secretion in essential hypertension. Estimation of renin secretion rate and renal plasma flow from peripheral and renal vein renin levels. Sealey JE, et al.

Am J Med 55:391-401, Sep 73

Renovascular hypertension: renin measurements to indicate hypersecretion and contralateral suppression, estimate renal plasma flow, and score for surgical curability. Vaughan ED Jr, et al.

Am J Med 55:402-14, Sep 73

Increased aldosterone secretion during sodium depletion with inhibition of renin release. Blair-West Jr, et al. Am J Physiol 224:1409-14, Jun 73

Renin release responses to acute alterations in renal arterial osmolarity. Young DB, et al.

Am J Physiol 225:1009-14, Nov 73

Renin release in anesthetized rats. Churchill PC, et al. Kidney Int 4:273-9, Oct 73

Intrarenal distribution of blood flow and renin release during renal venous pressure elevation. Kishimoto T, et al. Kidney Int 4:259-66, Oct 73

Renin in anesthetized rats. Churchill PC, et al. Proc Soc Exp Biol Med 143:1018-21, Sep 73

[Effects of stimulation of the carotid sinus nerve on renal hemodynamics and on renin secretion in dogs] Bazzato G, et al.

Minerva Nefrol 20:58-65, Mar-Apr 73 (Eng. Abstr.) (Ita)

[Experimental data on plasma renin activity in rats treated with nerve-growth hormone and homologous antiserum] Brănișteanu DD, et al.

Fiziol Norm Patol 19:315-20, Jul-Aug 73 (Eng. Abstr.) (Rum)

SPIRONOLACTONE

ADMINISTRATION & DOSAGE

Spirolactone and plasma cortisol. Dumlao JS, et al. Clin Pharmacol Ther 14:992-4, Nov-Dec 73

Comparison of the potassium-retaining effects of amiloride and spironolactone in hypertensive patients with thiazide-induced hypokalaemia. George CF, et al. Lancet 2:1288-91, 8 Dec 73

Extrarenal actions of aldosterone antagonists in guinea pigs. II. Reduction of the toxicity of beta-methyl-digoxin. Schaumann W, et al.

Naunyn Schmiedeberg Arch Pharmacol 279:9-18, 24 Aug 73

[Treatment of arterial hypertension with new drugs. I. Severe arterial hypertension] Safar M, et al.

Acquis Med Recent 193-205, 1972 (Fre)

ADVERSE EFFECTS

[Hyponatremia syndrome in congestive heart failure] Nitter-Hauge S, et al.

Tidsskr Nor Lægeforen 93:916-9, 10 May 73 (Eng. Abstr.) (Nor)

ANALYSIS

Electron microscopic studies on various types of inclusions found in autopsy cases. II. Spirolactone inclusion body in autopsy cases and its experimental studies on rhesus monkey. Okano K, et al.

Med J Osaka Univ 23:111-20, Dec 72

DIAGNOSTIC USE

Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. Ganguly A, et al.

J Clin Endocrinol Metab 37:765-75, Nov 73

METABOLISM

Spirolactone and plasma cortisol. Dumlao JS, et al. Clin Pharmacol Ther 14:992-4, Nov-Dec 73

PHARMACODYNAMICS

Effect of phenobarbital and spironolactone pretreatment on digitoxin-induced mortality in male and female rats. Talcott RE, et al.

Arch Int Pharmacodyn Ther 204:86-8, Jul 73

Effect of various steroids on the hepatic glucuronidation and biliary excretion of bilirubin. Solymoss B, et al.

Can J Physiol Pharmacol 51:319-23, May 73

Effect of adrenal cortical steroids on liver regeneration. Gershbein LL.

J Surg Oncol 5:491-508, May 73

Electron microscopic studies on various types of inclusions found in autopsy cases. II. Spirolactone inclusion body in autopsy cases and its experimental studies on rhesus monkey. Okano K, et al.

Med J Osaka Univ 23:111-20, Dec 72

Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al.

N Engl J Med 289:1022-4, 8 Nov 73

Extrarenal effects of aldosterone antagonists in guinea pigs. I. Enhanced transport of potassium into the cells. Mattern HR, et al.

Naunyn Schmiedeberg Arch Pharmacol 279:1-8, 24 Aug 73

Extrarenal actions of aldosterone antagonists in guinea pigs. II. Reduction of the toxicity of beta-methyl-digoxin. Schaumann W, et al.

Naunyn Schmiedeberg Arch Pharmacol 279:9-18, 24 Aug 73

H3-digitoxin and its metabolites following spironolactone pretreatment of rats. Castle MC, et al. Res Commun Chem Pathol Pharmacol 6:601-12, Sep 73

[Investigations on the central respiratory activity of canrenoate-K (author's transl)] Schäfer JH, et al. Klin Wochenschr 51:674-6, 1 Jul 73 (Eng. Abstr.) (Ger)

[Therapy of heart insufficiency using aldosterone antagonists] Krauss J.

Z Allgemeinmed 49:989-91, 31 Jul 73 (Ger)

THERAPEUTIC USE

Spirolactone and frusemide in cirrhosis with ascites. Sadikali F. Br J Clin Pract 27:222-4, Jun 73

The aetiology of hypertension after renal transplantation in man. Sampson D, et al.

Br J Surg 60:819-24, Oct 73

New aspects of the effects of aldosterone antagonists on respiration and pulmonary circulation in chronic cor pulmonale. Huettemann U, et al.

Bull Physiother Respiration (Nancy) 9:702-8, May-Jun 73

Editorial: New knowledge of benign essential hypertension. Laidlaw JC.

Can Med Assoc J 109:453 passim, 15 Sep 73

Fluorescein circulation time and the treatment of hypertension in the aged. Fishback DB.

J Am Geriatr Soc 21:495-503, Nov 73

Interactions of aspirin, indomethacin and other drugs in adjuvant-induced arthritis in the rat. Van Arman CG, et al. J Pharmacol Exp Ther 187:400-14, Nov 73

Comparison of the potassium-retaining effects of amiloride and spironolactone in hypertensive patients with thiazide-induced hypokalaemia. George CF, et al.

Lancet 2:1288-91, 8 Dec 73

Some observations on the pathogenesis of Bartter's syndrome. Modlinger RS, et al.

N Engl J Med 289:1022-4, 8 Nov 73

Value and toxicity of therapy for idiopathic nephrotic syndrome in the child. Murphy AV.

Nephron 11:163-73, 1973

[Treatment of myasthenia with adrenocorticotrophins (ACTH and Synacthen). Apropos of 100 treatments in 25 patients] Goulon M, et al.

Rev Neurol (Paris) 127:457-70, Oct 72 (Eng. Abstr.) (Fre)

[Investigations on the central respiratory activity of canrenoate-K (author's transl)] Schäfer JH, et al. Klin Wochenschr 51:674-6, 1 Jul 73 (Eng. Abstr.) (Ger)

[Therapy of heart insufficiency using aldosterone antagonists] Krauss J.

Z Allgemeinmed 49:989-91, 31 Jul 73 (Ger)

[Research on the pathogenesis of hypertension in primary hyperaldosteronism] Distler A, et al. Minerva Med 64:3021-7, 18 Aug 73 (Ita)

ADRENAL

TRANSCORTIN

- Effect of prolonged exercise on levels of plasma glucose, free fatty acids and corticosterone and muscle free fatty acids in the pigeon. John TM, et al. *Arch Int Physiol Biochim* 81:421-5, Sep 73
- Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. *Invest Urol* 11:194-7, Nov 73
- Progesterone measurement using "stripped" corticosteroid binding globulin (CBG). Baranczuk R, et al. *Steroids* 22:273-84, Aug 73
- Detection of synthetic corticosteroid analogues by the competitive protein-binding radioassay. Morris HG, et al. *Steroids* 22:445-50, Sep 73
- [Glucocorticoid function in head injuries] Fossati P, et al. *Ann Endocrinol (Paris)* 34:145-58, Mar-Apr 73 (Eng. Abstr.) (Fre)

BLOOD

- A simple precipitin test for corticosteroid-binding globulin: use in a search for the absence of corticosteroid-binding globulin in 10,000 subjects. Rosner W, et al. *J Clin Endocrinol Metab* 37:983-5, Dec 73

ISOLATION & PURIFICATION

- Progesterone measurement using "stripped" corticosteroid binding globulin (CBG). Baranczuk R, et al. *Steroids* 22:273-84, Aug 73
- Demonstration of a specific binding protein for testosterone and 5 α -dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al. *Steroids* 22:185-92, Aug 73

METABOLISM

- Transport of cortisol, progesterone and cholesterol across isolated mesentery. Effect of metyrapone. Couturier E, et al. *J Membr Biol* 13:89-96, 30 Aug 73
- Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al. *J Steroid Biochem* 4:369-79, Jul 73
- The kinetics of cortisol dissociation from purified human corticosteroid-binding globulin: studies in a flowing system. Rosner W, et al. *J Steroid Biochem* 4:249-55, May 73
- The mechanism of initiation of parturition in the ewe. Liggins GC, et al. *Recent Prog Horm Res* 29:111-59, 1973

ADRENAL

V. Adrenal Medulla

ADRENAL MEDULLA

Formation in vitro of matrix-like aggregates of chromogranins and phospholipids derived from chromaffin granules of the bovine adrenal medulla. Helle KB. *Biochim Biophys Acta* 318:181-96, 22 Aug 73
Adrenal medullary exhaustion from tropical winds and its management. Sulman FG, et al. *Isr J Med Sci* 9:1022-7, Aug 73
[Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. *Nouv Presse Med* 2:2105-10, 15 Sep 73 (Fre)

ANALYSIS

Isolation of chondroitin sulfate and glycopeptides from chromaffin granules of adrenal medulla. Margolis RU, et al. *Biochem Pharmacol* 22:2195-7, 1 Sep 73
Immunocytochemical localization of soluble protein in the adrenal medulla. Smith DH, et al. *Histochem J* 5:255-64, May 73

CYTOLOGY

NADH(NADPH): (acceptor) oxidoreductase activities of the bovine adrenal chromaffin granules. Terland O, et al. *Biochim Biophys Acta* 305:206-18, 30 May 73
Immunocytochemical localization of soluble protein in the adrenal medulla. Smith DH, et al. *Histochem J* 5:255-64, May 73
Permeability changes induced by electric impulses in vesicular membranes. Neumann E, et al. *J Membr Biol* 10:279-90, 29 Dec 72
Ultrastructural evidence for increased incidence of exocytosis in the stimulated adrenal medulla of the cat. Smith DJ, et al. *Neuropharmacology* 12:875-83, Sep 73
[Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. *Nouv Presse Med* 2:2105-10, 15 Sep 73 (Fre)

DRUG EFFECTS

NADH(NADPH): (acceptor) oxidoreductase activities of the bovine adrenal chromaffin granules. Terland O, et al. *Biochim Biophys Acta* 305:206-18, 30 May 73
Ultrastructural evidence for increased incidence of exocytosis in the stimulated adrenal medulla of the cat. Smith DJ, et al. *Neuropharmacology* 12:875-83, Sep 73
[Hypermagneemia and medullo-adrenal secretion] Rayssiguier Y, et al. *Ann Biol Anim Blochim Biophys* 12:479-91, 1972 (Eng. Abstr.) (Fre)
[The antagonism exercised by Sandomigran (BC 105) on some properties of bradykinin] Damas J. *Arch Int Pharmacodyn Ther* 204:150-61, Jul 73 (Fre)

ENZYMOLOGY

Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Aunis D, et al. *Biochem Pharmacol* 22:2581-9, 15 Oct 73
NADH(NADPH): (acceptor) oxidoreductase activities of the bovine adrenal chromaffin granules. Terland O, et al. *Biochim Biophys Acta* 305:206-18, 30 May 73
Effect of pH on bovine adrenal medulla dopamine-beta-hydroxylase. Miras-Portugal MT, et al. *FEBS Lett* 34:140-2, 15 Aug 73
Dopamine-beta-hydroxylase. The subunit structure and anion activation of the bovine adrenal enzyme. Craine JE, et al. *J Biol Chem* 248:7838-44, 25 Nov 73
Immunochemical demonstration of increased accumulation of tyrosine hydroxylase protein in sympathetic ganglia and adrenal medulla elicited by reserpine. Joh TH, et al. *Proc Natl Acad Sci USA* 70:2767-71, Oct 73

INNERVATION

[Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. *Nouv Presse Med* 2:2105-10, 15 Sep 73 (Fre)

METABOLISM

Binding of amines to purified bovine adrenal medullary storage vesicle membranes. Slotkin TA, et al. *Biochem Pharmacol* 22:2492-7, 1 Oct 73
Catecholamine uptake processes. Iversen LL. *Br Med Bull* 29:130-5, May 73 (65 ref.)
Permeability changes induced by electric impulses in vesicular membranes. Neumann E, et al. *J Membr Biol* 10:279-90, 29 Dec 72
[Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. *Nouv Presse Med* 2:2105-10, 15 Sep 73 (Fre)

PHYSIOLOGY

Haloethane-induced lipolysis in rats. Mäkeläinen A, et al. *Acta Anaesthesiol Scand* 17:170-8, 1973
Indirect sympathomimetic actions of epsilon-aminocaproic acid (EACA): role of the adrenal medulla. Garrett J, et al. *Arch Int Pharmacodyn Ther* 204:252-9, Aug 73
Epinephrine deficiency potentiates cortisol elevation of glucose turnover in the dog. Rathgeb I, et al. *Endocrinology* 93:1336-41, Dec 73
Evidence for centers in the central nervous system that selectively regulate fat mobilization in the rat. Teixeira VL, et al. *J Lipid Res* 14:672-7, Nov 73
[Hypermagneemia and medullo-adrenal secretion] Rayssiguier Y, et al. *Ann Biol Anim Blochim Biophys* 12:479-91, 1972 (Eng. Abstr.) (Fre)
[Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. *Nouv Presse Med* 2:2105-10, 15 Sep 73 (Fre)
[Role of thyroid gland and adrenal medullary hormones in thermoregulation reactions] Pevny SA, et al. *Fiziol Zh SSSR* 59:600-5, Apr 73 (Eng. Abstr.) (Rus)

SECRETION

[Hypermagneemia and medullo-adrenal secretion] Rayssiguier Y, et al. *Ann Biol Anim Blochim Biophys* 12:479-91, 1972 (Eng. Abstr.) (Fre)

CATECHOLAMINES

Immunocytochemical localization of soluble protein in the adrenal medulla. Smith DH, et al. *Histochem J* 5:255-64, May 73

ANALYSIS

Mass fragmentographic analysis of steroids, catecholamines, and amino acids in biological materials. Maume BF, et al. *Anal Chem* 46:1073-82, Jun 73
Participation of the sympathetic nervous system in spontaneously hypertensive rats. Mori K. *Jap Circ J* 37:609-18, Jun 73
[Serum and urinary catecholamines and its metabolites--interpretation of the test results] Nakano Y, et al. *Jap J Clin Med* 31:1645-56, 1973 (92 ref.) (Jap)

BIOSYNTHESIS

[Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. *Nouv Presse Med* 2:2105-10, 15 Sep 73 (Fre)

CATECHOLAMINES

ADRENAL

BLOOD

- Indirect sympathomimetic actions of epsilon-aminocaproic acid (EACA): role of the adrenal medulla. Garrett J, et al. Arch Int Pharmacodyn Ther 204:252-9, Aug 73 [Serum and urinary catecholamines and its metabolites--interpretation of the test results] Nakano Y, et al. Jap J Clin Med 31:1645-56, 1973 (92 ref.) (Jap)

METABOLISM

- Catecholamine uptake processes. Iversen LL. Br Med Bull 29:130-5, May 73 (65 ref.) Population density and social pathology in mice. Differences in catecholamine metabolism associated with differences in behavior. Ng LK, et al. Brain Res 59:323-30, 14 Sep 73 Permeability changes induced by electric impulses in vesicular membranes. Neumann E, et al. J Membr Biol 10:279-90, 29 Dec 72 [Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. Nouv Presse Med 2:2105-10, 15 Sep 73 (Fre) [Serum and urinary catecholamines and its metabolites--interpretation of the test results] Nakano Y, et al. Jap J Clin Med 31:1645-56, 1973 (92 ref.) (Jap)

SECRETION

- Adrenal medullary exhaustion from tropical winds and its management. Sulman FG, et al. Isr J Med Sci 9:1022-7, Aug 73 Ultrastructural evidence for increased incidence of exocytosis in the stimulated adrenal medulla of the cat. Smith DJ, et al. Neuropharmacology 12:875-83, Sep 73

URINE

- Phaeochromocytoma and pregnancy. Smith AM. J Obstet Gynaecol Br Commonw 80:848-51, Sep 73 Sympathetic stimulation with temporal lobe epilepsy. Brown RW, et al. Med J Aust 2:274-6, 11 Aug 73 [Serum and urinary catecholamines and its metabolites--interpretation of the test results] Nakano Y, et al. Jap J Clin Med 31:1645-56, 1973 (92 ref.) (Jap) [State of the sympathoadrenal system in sailors during long cruises] Polozhentsev SD, et al. Voen Med Zh 6:56-7, Jun 73 (Rus)

CHROMAFFIN SYSTEM

- Formation in vitro of matrix-like aggregates of chromogranins and phospholipids derived from chromaffin granules of the bovine adrenal medulla. Helle KB. Blochim Biophys Acta 318:181-96, 22 Aug 73

ANALYSIS

- Isolation of chondroitin sulfate and glycopeptides from chromaffin granules of adrenal medulla. Margolis RU, et al. Biochem Pharmacol 22:2195-7, 1 Sep 73 Biochemical studies of the chromaffin granule. 3. Redistribution of lipid phosphate, dopamine-beta-hydroxylase and chromogranin A after freezing and thawing of the isolated granule membranes. Helle KB. Blochim Biophys Acta 318:167-80, 22 Aug 73 NADH(NADPH): (acceptor) oxidoreductase activities of the bovine adrenal chromaffin granules. Terland O, et al. Blochim Biophys Acta 305:206-18, 30 May 73

BLOOD SUPPLY

- Angiographic localisation of a pheochromocytoma in the organ of Zuckerkandl. Report of a case. Czekala Z. Acta Radiol [Diagn] (Stockh) 14:491-4, Jul 73

CYTOLOGY

- Formation in vitro of matrix-like aggregates of chromogranins and phospholipids derived from chromaffin granules of the bovine adrenal medulla. Helle KB. Blochim Biophys Acta 318:181-96, 22 Aug 73 Biochemical studies of the chromaffin granule. 3. Redistribution of lipid phosphate,

- dopamine-beta-hydroxylase and chromogranin A after freezing and thawing of the isolated granule membranes. Helle KB. Blochim Biophys Acta 318:167-80, 22 Aug 73 NADH(NADPH): (acceptor) oxidoreductase activities of the bovine adrenal chromaffin granules. Terland O, et al. Blochim Biophys Acta 305:206-18, 30 May 73

DRUG EFFECTS

- Formation in vitro of matrix-like aggregates of chromogranins and phospholipids derived from chromaffin granules of the bovine adrenal medulla. Helle KB. Blochim Biophys Acta 318:181-96, 22 Aug 73

ENZYMOLGY

- Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Aunis D, et al. Biochem Pharmacol 22:2581-9, 15 Oct 73 Biochemical studies of the chromaffin granule. 3. Redistribution of lipid phosphate, dopamine-beta-hydroxylase and chromogranin A after freezing and thawing of the isolated granule membranes. Helle KB. Blochim Biophys Acta 318:167-80, 22 Aug 73 Formation in vitro of matrix-like aggregates of chromogranins and phospholipids derived from chromaffin granules of the bovine adrenal medulla. Helle KB. Blochim Biophys Acta 318:181-96, 22 Aug 73 NADH(NADPH): (acceptor) oxidoreductase activities of the bovine adrenal chromaffin granules. Terland O, et al. Blochim Biophys Acta 305:206-18, 30 May 73

METABOLISM

- Uptake and accumulation of 3H-6,7-dihydroxytetrahydroisoquinoline by peripheral sympathetic nerves in vivo. Locke S, et al. J Pharmacol Exp Ther 187:56-67, Oct 73 [Adrenal medulla. Histophysiological and cytophysiological data] Dumas JL, et al. Nouv Presse Med 2:2105-10, 15 Sep 73 (Fre)

RADIOGRAPHY

- Angiographic localisation of a pheochromocytoma in the organ of Zuckerkandl. Report of a case. Czekala Z. Acta Radiol [Diagn] (Stockh) 14:491-4, Jul 73

DOPA

PHARMACODYNAMICS

- The episodic nature of changes in ovine plasma cortisol levels and their response to adrenalectomy during adaptation to a new environment. McNatty KP, et al. J Endocrinol 59:171-80, Oct 73

DOPAMINE

- Synthesis and preliminary evaluation in animals of carrier-free 11C-1-dopamine hydrochloride: X. Fowler JS, et al. J Nucl Med 14:867-9, Nov 73

METABOLISM

- Catecholamine uptake processes. Iversen LL. Br Med Bull 29:130-5, May 73 (65 ref.) Labeled dopamine concentration in pheochromocytomas. Anderson BG, et al. J Nucl Med 14:781-4, Nov 73 Synthesis and preliminary evaluation in animals of carrier-free 11C-1-dopamine hydrochloride: X. Fowler JS, et al. J Nucl Med 14:867-9, Nov 73 Cardiovascular profile of BR750 (2,6-dichloro-benzylideneamino-guanidine acetate). Marmo E, et al. Res Commun Chem Pathol Pharmacol 6:391-406, Sep 73

PHARMACODYNAMICS

- Possible role of serotonin in the monoamines-induced inhibition of the stress mechanism in the rat. Vermeas I, et al. Acta Physiol Acad Sci Hung 42:219-23, 1972 The episodic nature of changes in ovine plasma cortisol levels and their response to adrenalectomy during adaptation to a new environment. McNatty KP, et al. J Endocrinol 59:171-80, Oct 73

EPINEPHRINE

ADMINISTRATION & DOSAGE

The episodic nature of changes in ovine plasma cortisol levels and their response to adrenaline during adaptation to a new environment. McNatty KP, et al. *J Endocrinol* 59:171-80, Oct 73

ANTAGONISTS & INHIBITORS

The episodic nature of changes in ovine plasma cortisol levels and their response to adrenaline during adaptation to a new environment. McNatty KP, et al. *J Endocrinol* 59:171-80, Oct 73

BIOSYNTHESIS

Studies on the turnover and synthesis of epinephrine from norepinephrine in the adrenal gland. Pendleton RG, et al. *Arch Int Pharmacodyn Ther* 203:368-75, Jun 73

BLOOD

Indirect sympathomimetic actions of epsilon-aminocaproic acid (EACA): role of the adrenal medulla. Garrett J, et al. *Arch Int Pharmacodyn Ther* 204:252-9, Aug 73

METABOLISM

Studies on the turnover and synthesis of epinephrine from norepinephrine in the adrenal gland. Pendleton RG, et al. *Arch Int Pharmacodyn Ther* 203:368-75, Jun 73

Binding of amines to purified bovine adrenal medullary storage vesicle membranes. Slotkin TA, et al. *Biochem Pharmacol* 22:2492-7, 1 Oct 73

Labeled dopamine concentration in pheochromocytomas. Anderson BG, et al. *J Nucl Med* 14:781-4, Nov 73

Studies on pharmacodynamic action of N-ethylmaleimide (NEM). 3. NEM induced hyperglycemia in rats. Yamamoto H, et al. *Jap J Pharmacol* 23:167-75, Apr 73

PHARMACODYNAMICS

Effect of neonatal corticosterone administration on behavioural and pituitary-adrenocortical responses in the rat. Nyakas C, et al. *Acta Physiol Acad Sci Hung* 42:231-41, 1972

The episodic nature of changes in ovine plasma cortisol levels and their response to adrenaline during adaptation to a new environment. McNatty KP, et al. *J Endocrinol* 59:171-80, Oct 73

[Hypermaghememia and medullo-adrenal secretion] Rayssiguer Y, et al. *Ann Biol Anim Biochim Biophys* 12:479-91, 1972 (Eng. Abstr.) (Fre)

[Role of thyroid gland and adrenal medullary hormones in thermoregulation reactions] Pevny SA, et al. *Fiziol Zh SSSR* 59:600-5, Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Epinephrine deficiency potentiates cortisol elevation of glucose turnover in the dog. Rathgeb I, et al. *Endocrinology* 93:1336-41, Dec 73

URINE

Adrenal medullary exhaustion from tropical winds and its management. Sulman FG, et al. *Isr J Med Sci* 9:1022-7, Aug 73

Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction. Argüelles AE, et al. *J Steroid Biochem* 4:427-32, Jul 73

Essential hypertension with symptoms of hyperkinetic circulation. Essler MD, et al. *Med J Aust* 2:253-7, 11 Aug 73

[State of the sympathoadrenal system in syphilis before and after penicillin treatment] Kalantaevskaja KA, et al. *Vrach Delo* 7:111-4, Jul 73 (Eng. Abstr.) (Rus)

HYDROXYDOPAMINE

PHARMACODYNAMICS

Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Aunis D, et al. *Biochem Pharmacol* 22:2581-9, 15 Oct 73

Effect of neonatal 6-hydroxydopamine treatment on the blood pressure response to noradrenaline and tyramine in rats. Provoost AP, et al. *Eur J Pharmacol* 23:297-301, Sep 73

Hypertensive effects of prolonged auditory, visual, and motion stimulation. Smookler MH, et al. *Fed Proc* 32:2105-10, Nov 73

Uptake and accumulation of 3H-6,7-dihydroxytetrahydroisoquinoline by peripheral sympathetic nerves in vivo. Locke S, et al. *J Pharmacol Exp Ther* 187:56-67, Oct 73

ISOPROTERENOL

Protective effects of propranolol on isoproterenol-induced myocardial infarction in arteriosclerotic and non-arteriosclerotic rats. Wexler BC. *Atherosclerosis* 18:11-42, Jul-Aug 73

NOREPINEPHRINE

Synthesis and preliminary evaluation in animals of carrier-free 11C-1-dopamine hydrochloride: X. Fowler JS, et al. *J Nucl Med* 14:867-9, Nov 73

ADMINISTRATION & DOSAGE

Studies on the turnover and synthesis of epinephrine from norepinephrine in the adrenal gland. Pendleton RG, et al. *Arch Int Pharmacodyn Ther* 203:368-75, Jun 73

ANALYSIS

Effect of neonatal 6-hydroxydopamine treatment on the blood pressure response to noradrenaline and tyramine in rats. Provoost AP, et al. *Eur J Pharmacol* 23:297-301, Sep 73

BLOOD

Indirect sympathomimetic actions of epsilon-aminocaproic acid (EACA): role of the adrenal medulla. Garrett J, et al. *Arch Int Pharmacodyn Ther* 204:252-9, Aug 73

METABOLISM

Studies on the turnover and synthesis of epinephrine from norepinephrine in the adrenal gland. Pendleton RG, et al. *Arch Int Pharmacodyn Ther* 203:368-75, Jun 73

Catecholamine uptake processes. Iversen LL. *Br Med Bull* 29:130-5, May 73 (65 ref.)

Labeled dopamine concentration in pheochromocytomas. Anderson BG, et al. *J Nucl Med* 14:781-4, Nov 73

Studies on pharmacodynamic action of N-ethylmaleimide (NEM). 3. NEM induced hyperglycemia in rats. Yamamoto H, et al. *Jap J Pharmacol* 23:167-75, Apr 73

Cardiovascular profile of BR750 (2,6-dichloro-benzylideneamino-guanidine acetate). Marmo E, et al. *Res Commun Chem Pathol Pharmacol* 6:391-406, Sep 73

PHARMACODYNAMICS

Possible role of serotonin in the monoamines-induced inhibition of the stress mechanism in the rat. Vermes I, et al. *Acta Physiol Acad Sci Hung* 42:219-23, 1972

Formation in vitro of matrix-like aggregates of chromogranins and phospholipids derived from chromaffin granules of the bovine adrenal medulla. Helle KB. *Biochim Biophys Acta* 318:181-96, 22 Aug 73

Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats. Field FP, et al. *Can J Physiol Pharmacol* 51:344-53, May 73

Effect of neonatal 6-hydroxydopamine treatment on the blood pressure response to noradrenaline and

NOREPINEPHRINE

- tyramine in rats. Provoost AP, et al.
Eur J Pharmacol 23:297-301, Sep 73
 Hypertensive effects of prolonged auditory, visual, and motion stimulation. Smookier HH, et al.
Fed Proc 32:2105-10, Nov 73
 The episodic nature of changes in ovine plasma cortisol levels and their response to adrenaline during adaptation to a new environment. McNatty KP, et al.
J Endocrinol 59:171-80, Oct 73
 Cardiovascular profile of BR750 (2,6-dichloro-benzylideneamino-guanidine acetate). Marmo E, et al.
Res Commun Chem Pathol Pharmacol 6:391-406, Sep 73
 [The antagonism exercised by Sandomigran (BC 105) on some properties of bradykinin] Damas J.
Arch Int Pharmacodyn Ther 204:150-61, Jul 73 (Fre)
 [Role of thyroid gland and adrenal medullary hormones in thermoregulation reactions] Pevný SA, et al.
Fiziol Zh SSSR 59:600-5, Apr 73 (Eng. Abstr.) (Rus)

URINE

- Adrenal medullary exhaustion from tropical winds and its management. Sulman FG, et al.
Isr J Med Sci 9:1022-7, Aug 73
 Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction. Argüelles AE, et al.
J Steroid Biochem 4:427-32, Jul 73
 Essential hypertension with symptoms of hyperkinetic circulation. Esler MD, et al.
Med J Aust 2:253-7, 11 Aug 73
 Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al.
Urology 2:303-7, Sep 73
 [State of the sympathoadrenal system in syphilis before and after penicillin treatment] Kalantaevskaia KA, et al.
Vrach Delo 7:111-4, Jul 73 (Eng. Abstr.) (Rus)

PHEOCHROMOCYTOMA

- Angiographic localisation of a pheochromocytoma in the organ of Zuckerkandl. Report of a case. Czekala Z.
Acta Radiol [Diagn] (Stockh) 14:491-4, Jul 73
 Pheochromocytoma and pregnancy. Smith AM.
J Obstet Gynaecol Br Commonw 80:848-51, Sep 73

COMPLICATIONS

- Evaluation of the hypertensive patient. Gifford RW Jr.
Chest 64:336-40, Sep 73
 Extra-adrenal pheochromocytoma with metastasis in Down's syndrome. Kuni CC.
J Pediatr 83:835-6, Nov 73
 Pheochromocytoma simulating toxemia of pregnancy. Cleveland BR, et al.
Tex Med 69:70-3, Sep 73
 Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al.
Urology 2:303-7, Sep 73
 [Treatment of the hypertensive crisis] Perret C, et al.
Schweiz Med Wochenschr 103:1692-8, 24 Nov 73 (24 ref.) (Eng. Abstr.) (Fre)
 [Extra-adrenal pheochromocytoma causing vasorenal hypertension] Kurbangaleev SM, et al.
Klin Khir 1:67-8, Jan 73 (Rus)

DIAGNOSIS

- Pheochromocytoma. A case report and review of literature. Parker AH.
East Afr Med J 50:286-93, Jun 73
 Pheochromocytoma presenting as a ureterocele. Cabañas VY, et al.
J Urol 110:389-90, Oct 73
 Sympathetic stimulation with temporal lobe epilepsy. Brown RW, et al.
Med J Aust 2:274-6, 11 Aug 73
 Essential hypertension with symptoms of hyperkinetic circulation. Esler MD, et al.
Med J Aust 2:253-7, 11 Aug 73
 Pheochromocytoma simulating toxemia of pregnancy. Cleveland BR, et al.
Tex Med 69:70-3, Sep 73
 [Complementary examinations in the hypertensive patient] Muller AF.
Schweiz Med Wochenschr 103:1675-7, 24 Nov 73 (Eng. Abstr.) (Fre)
 [Changes in ECG during diagnostic test with histamine in patients with hypertension and pheochromocytoma] Kazeev KN, et al.
Probl Endokrinol (Mosk) 19:28-30, Sep-Oct 73 (Eng. Abstr.) (Rus)

ADRENAL

FAMILIAL & GENETIC

- Predictive oncology. 1. Bierman HR.
Int Surg 58:683-92, Oct 73

METABOLISM

- Labeled dopamine concentration in pheochromocytomas. Anderson BG, et al.
J Nucl Med 14:781-4, Nov 73
 Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al.
Urology 2:303-7, Sep 73
 [Serum and urinary catecholamines and its metabolites-Interpretation of the test results] Nakano Y, et al.
Jap J Clin Med 31:1645-56, 1973 (92 ref.) (Jap)

PATHOLOGY

- Extra-adrenal pheochromocytoma with metastasis in Down's syndrome. Kuni CC.
J Pediatr 83:835-6, Nov 73
 Pheochromocytoma presenting as a ureterocele. Cabañas VY, et al.
J Urol 110:389-90, Oct 73
 Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al.
Urology 2:303-7, Sep 73

PHYSIOPATHOLOGY

- [Changes in ECG during diagnostic test with histamine in patients with hypertension and pheochromocytoma] Kazeev KN, et al.
Probl Endokrinol (Mosk) 19:28-30, Sep-Oct 73 (Eng. Abstr.) (Rus)

RADIOGRAPHY

- Angiographic localisation of a pheochromocytoma in the organ of Zuckerkandl. Report of a case. Czekala Z.
Acta Radiol [Diagn] (Stockh) 14:491-4, Jul 73
 Pheochromocytoma presenting as a ureterocele. Cabañas VY, et al.
J Urol 110:389-90, Oct 73
 Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al.
Urology 2:303-7, Sep 73
 [Vascular nephrotomography in renal tumors during intravenous urography] Girard J.
J Radiol Electrol Med Nucl 54:474-7, Jun-Jul 73 (Fre)

SURGERY

- Pheochromocytoma. A case report and review of literature. Parker AH.
East Afr Med J 50:286-93, Jun 73
 Surgically correctable hypertension. Diagnosis and treatment. Morton JR, et al.
J Maine Med Assoc 64:196-200 passim, Sep 73
 Labeled dopamine concentration in pheochromocytomas. Anderson BG, et al.
J Nucl Med 14:781-4, Nov 73
 Pheochromocytoma and pregnancy. Smith AM.
J Obstet Gynaecol Br Commonw 80:848-51, Sep 73
 Pheochromocytoma presenting as a ureterocele. Cabañas VY, et al.
J Urol 110:389-90, Oct 73
 Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al.
Urology 2:303-7, Sep 73

THERAPY

- Pheochromocytoma simulating toxemia of pregnancy. Cleveland BR, et al.
Tex Med 69:70-3, Sep 73

VANILMANDELIC ACID

URINE

- Surgically correctable hypertension. Diagnosis and treatment. Morton JR, et al.
J Maine Med Assoc 64:196-200 passim, Sep 73
 Sympathetic stimulation with temporal lobe epilepsy. Brown RW, et al.
Med J Aust 2:274-6, 11 Aug 73
 Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Freiha FS, et al.
Urology 2:303-7, Sep 73

GONADS

1. Physical and Functional Aspects

GONADS

The nature and biological activity of IPN virus neutralizing antibodies in normal and immunized rainbow trout (*Salmo gairdneri*). Jorgensen PE. Arch Gesamte Virusforsch 42:9-20, 1973

ABNORMALITIES

The XY gonadal agenesis syndrome. Sarto GE, et al. J Oral Surg 10:288-93, Sep 73
Mixed gonadal dysgenesis. Davidoff F, et al. Pediatrics 52:725-42, Nov 73
Commentary: Disorders of gonadal development. Stempfel RS Jr. Pediatrics 52:635-6, Nov 73
[Clinical and cytogenetic correlations in Turner's syndrome] Walbaum R. Lille Med 18:438-50, Apr 73 (Fre)

ANALYSIS

Mercury in Canadian seals. Freeman HC, et al. Bull Environ Contam Toxicol 10:172-80, Sep 73

ANATOMY & HISTOLOGY

Mixed gonadal dysgenesis. Davidoff F, et al. Pediatrics 52:725-42, Nov 73

DRUG EFFECTS

Hormonal properties of 19-nortestosterone-homofarnesate (DA 1979), a new anabolic agent. Coppl G, et al. Arzneim Forsch 23:907-11, Jul 73

EMBRYOLOGY

Biological evidence for androgen secretion by the early fetal pig testes in organ culture. Moon YS, et al. Biol Reprod 9:330-7, Nov 73
Mixed gonadal dysgenesis. Davidoff F, et al. Pediatrics 52:725-42, Nov 73
Commentary: Disorders of gonadal development. Stempfel RS Jr. Pediatrics 52:635-6, Nov 73

GROWTH & DEVELOPMENT

Differentiation of the genital ridges of mouse embryos in the kidney of adult mice. Ozdzenski W. Arch Anat Microsc Morphol Exp 61:267-78, Jul-Sep 72
Sexual induction in *Volvox carter*. A quantitative study. Pall ML. J Cell Biol 59:238-41, Oct 73

METABOLISM

[Change in the nitrogen content of extractable substances in the liver and gonads of Baltic cod in relation to processes of ova- and spermatogenesis] Maslennikova NV. Biol Nauki 10:43-7, 1973 (Rus)

PATHOLOGY

Pathogenesis of Marek's disease in old chickens: lesion regression as the basis for age-related resistance. Sharma JM, et al. Infect Immun 8:715-24, Nov 73
The influence of maternal effects on the response of fast and slow growing chickens to a Marek's disease virus. Han PF, et al. Poultry Sci 52:909-15, May 73

A white hermaphrodite in South Africa. Grace HJ, et al. S Afr Med J 47:1553-4, 1 Sep 73
Gonadal dysgenesis: the XY variant. Mattox JH. South Med J 66:839-40, Jul 73

PHYSIOLOGY

Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica. Alvarez-Buylla R, et al. Acta Physiol Lat Am 23:75-82, 1973
Lack of pituitary, adrenal, thyroid, gonadal, and pineal control of cyclic variation in antibacterial function of neutrophils. Alexander JW, et al. J Reticuloendothel Soc 14:266-79, Sep 73
Letter: Possible control of luteinizing-hormone-releasing hormone by enzymatic degradation. Griffiths EC, et al. Lancet 2:862, 13 Oct 73
Influence of castration and testosterone propionate on cardiac output, renal blood flow, and blood volume in mice. Broulik PD, et al. Proc Soc Exp Biol Med 144:671-3, Nov 73

PHYSIOPATHOLOGY

[Hypophyseal-gonadal regulation in patients with chronic kidney failure during long-term dialysis] Hrubesch M, et al. Med Welt 24:683-4, 27 Apr 73 (Ger)

RADIATION EFFECTS

Mird-dose estimate report no. 2. Summary of current radiation dose estimates to humans from ⁶⁶Ga-, ⁶⁸Ga-, and ⁷²Ga-citrate. J Nucl Med 14:755-6, Oct 73
[Radiography in obstetrics today (significance and radiation dosage)] Brezina K. Wien Med Wochenschr 123:709-14, 1 Dec 73 (Ger)

SURGERY

Gonadal dysgenesis: the XY variant. Mattox JH. South Med J 66:839-40, Jul 73

TRANSPLANTATION

Differentiation of the genital ridges of mouse embryos in the kidney of adult mice. Ozdzenski W. Arch Anat Microsc Morphol Exp 61:267-78, Jul-Sep 72

Ovary

CORPUS LUTEUM

- Indirect effects of x-irradiation on embryonic development: irradiation of the exteriorized rat uterus. Gibbons AF, et al. *Biol Reprod* 9:133-41, Sep 73
- Effect of varying the time of artificial insemination in relation to ovulation on conception and prenatal losses in the rabbit. O'Ferrall GJ. *Biol Reprod* 9:338-42, Nov 73
- Nodisjunction and reduced fertility caused by the tobacco mouse metacentric chromosomes. Cattanaach BM, et al. *Cytogenet Cell Genet* 12:264-87, 1973
- Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al. *J Endocrinol* 58:377-85, Sep 73
- Changes of embryonic wastage during pregnancy in rats fed low and high energy diets. Salto M, et al. *J Nutr* 103:1652-7, Dec 73
- Progesterone secretion from the ovary in the ewe following infusion of uterine venous plasma. Baird DT, et al. *J Reprod Fertil* 35:13-22, Oct 73
- Transuterine migration and embryo survival in sheep. Doney JM, et al. *J Reprod Fertil* 34:363-7, Aug 73
- A simplified method for the determination of the blastomere numbers in preimplantation rabbit blastocysts. Fujimoto S, et al. *J Reprod Fertil* 34:369-73, Aug 73
- The ovary of the giraffe, *Giraffa camelopardalis*. Kayanja FI, et al. *J Reprod Fertil* 34:305-13, Aug 73

ANALYSIS

- Computer evaluation of gas chromatographic-mass spectrometric analyses of sterols from biological materials. Reimendal R, et al. *Anal Chem* 46:1083-9, Jun 73
- Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spilman CH, et al. *Biol Reprod* 9:116-24, Sep 73
- Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. *J Anim Sci* 37:728-33, Sep 73
- Maintenance of corpora lutea in prepuberal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73
- Progesterone levels during the oestrous cycle and pregnancy in the cula, *Galea musteloides*. Tam WH. *J Reprod Fertil* 35:105-14, Oct 73

ANATOMY & HISTOLOGY

- Luteolytic effects of oestradiol after hypophysectomy or pituitary stalk section in cycling sheep. Denamur R, et al. *Acta Endocrinol (Kbh)* 73:635-42, Aug 73
- Luteolysis following a single injection of prostaglandin F₂alpha in sheep. Douglas RH, et al. *J Anim Sci* 37:990-3, Oct 73
- Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. *J Anim Sci* 37:728-33, Sep 73
- Influence of one-day or conventional flushing on ovulation rate and litter size at 28 days gestation in gilts. Moore CP, et al. *J Anim Sci* 37:734-8, Sep 73
- Maintenance of corpora lutea in prepuberal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73
- The maintenance of pregnancy, and parturition, in guinea-pigs hypophysectomized within 4 days of mating. Illingworth DV, et al. *J Endocrinol* 59:163-9, Oct 73
- Grouping and ovulation in *Microtus pennsylvanicus*. Pasley JN, et al. *J Reprod Fertil* 34:527-30, Sep 73

CYTOLOGY

- The effects of prostaglandin F₂ alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73
- Morphological changes in the corpus luteum correlated

- with progesterin levels in the rhesus monkey during early pregnancy. Koering MJ, et al. *Biol Reprod* 9:254-71, Oct 73
- Corpus luteum cells grown as monolayers. Stoklosowa S, et al. *Experientia* 29:1041-2, 15 Aug 73
- Fine structural localization of 3beta-hydroxysteroid dehydrogenase in rat corpus luteum. Bara G, et al. *Histochem J* 5:437-49, Sep 73

DRUG EFFECTS

- Luteolytic effects of oestradiol after hypophysectomy or pituitary stalk section in cycling sheep. Denamur R, et al. *Acta Endocrinol (Kbh)* 73:635-42, Aug 73
- Changes in plasma levels of prolactin and LH induced by luteolytic or luteotrophic treatment in intact cycling sheep after section of the pituitary stalk. Kann G, et al. *Acta Endocrinol (Kbh)* 73:325-34, Aug 73
- Relaxin in porcine corpora lutea during pregnancy and after hysterectomy. Anderson LL, et al. *Am J Physiol* 225:1215-9, Nov 73
- Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gbori G, et al. *Biol Reprod* 9:309-16, Oct 73
- The effects of prostaglandin F₂ alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73
- Experimental investigation on the effect of clostilbene on the gonadotrophin secretion of the rat pituitary. Mayer HG. *Endocrinol Exp (Bratisl)* 7:177-82, Sep 73
- Luteolysis following a single injection of prostaglandin F₂alpha in sheep. Douglas RH, et al. *J Anim Sci* 37:990-3, Oct 73
- In vitro progesterone synthesis by corpora lutea of hysterectomized ewes after in vivo stimulation with luteinizing hormone. Rigor EM, et al. *J Anim Sci* 37:718-21, Sep 73
- Maintenance of corpora lutea in prepuberal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73
- Prostaglandins. Horton EW. *Monogr Endocrinol* 7:1-197, 1972 (206 ref.)
- Letter: Treatment of inadequate luteal phase. Caspi E, et al. *Obstet Gynecol* 42:627, Oct 73
- Luteal regression with rat prolactin. Macdonald GJ, et al. *Proc Soc Exp Biol Med* 143:1031-3, Sep 73
- Effects of prostaglandins E₁ and F₂alpha and of polyphlorethol phosphate on cholesterol esterification by rabbit ovarian subcellular fractions. Morin RJ. *Res Commun Chem Pathol Pharmacol* 6:195-206, Jul 73
- [Neuro-hormonal control of the secretion of the p.l.f. (author's transl)] Marchandise B. *Ann Endocrinol (Paris)* 34:308-10, May-Jun 73 (Fre)
- [In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F₂alpha] Santos AA, et al. *FEBS Lett* 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)

ENZYMOLGY

- Corpus luteum cells grown as monolayers. Stoklosowa S, et al. *Experientia* 29:1041-2, 15 Aug 73
- Fine structural localization of 3beta-hydroxysteroid dehydrogenase in rat corpus luteum. Bara G, et al. *Histochem J* 5:437-49, Sep 73
- Cytochrome P-450 activity in sheep corpora lutea during the oestrous cycle. Simpson ER, et al. *J Endocrinol* 58:493-501, Sep 73

METABOLISM

- Relaxin in porcine corpora lutea during pregnancy and after hysterectomy. Anderson LL, et al. *Am J Physiol* 225:1215-9, Nov 73
- Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gbori G, et al. *Biol Reprod* 9:309-16, Oct 73
- Distribution of HCG and asialo-HCG in the mouse: quantitative and radioautographic studies. Rajaniemi H, et al. *Horm Res* 4:177-89, 1973

GONADS

GRAAFIAN FOLLICLE

In vitro progesterone synthesis by corpora lutea of hysterectomized ewes after in vivo stimulation with luteinizing hormone. Rigor EM, et al.

J Anim Sci 37:718-21, Sep 73
Effects of prostaglandins E1 and F2alpha and of polyphloretin phosphate on cholesterol esterification by rabbit ovarian subcellular fractions. Morin RJ. *Res Commun Chem Pathol Pharmacol* 6:195-206, Jul 73

Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. *Steroids* 22:379-99, Sep 73

[In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F2alpha] Santos AA, et al.

FEBS Lett 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Serum LH during ovulatory and anovulatory menstrual cycles in macaques. Mori J, et al.

Acta Endocrinol (Kbh) 73:751-8, Aug 73

Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al.

Am J Obstet Gynecol 117:631-42, 1 Nov 73

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: the angioarchitecture in sheep. Del Campo CH, et al. *Am J Vet Res* 34:1377-85, Nov 73

Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: areas of close apposition between the ovarian artery and vessels which contain uterine venous blood in sheep. Ginther OJ, et al. *Am J Vet Res* 34:1387-93, Nov 73

LH and progesterone in the menstrual cycle: further observations on the relationship with the length of the luteal phase. Lepoutre L, et al.

Ann Endocrinol (Paris) 34:327-31, May-Jun 73

Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 18:192-200, Sep 73

Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Klittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73

Maintenance of corpora lutea in prepubertal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73

Studies on plasma progesterone in cows associated with ovarian changes following enucleation of the persistent corpus luteum. Dobrowolski W, et al. *J Reprod Fertil* 35:199-201, Oct 73

[Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J. *Ann Biol Anim Biochim Biophys* 12:397-409, 1972 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Luteal phase defects: recognition and management. Reyniak JV. *Bull NY Acad Med* 49:974-84, Nov 73

[The relationship between evening body temperature and ovarian function (author's transl)] Bregulla K, et al.

Geburtshilfe Frauenheilkd 33:636-9, Aug 73 (Eng. Abstr.) (Ger)

SECRETION

Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gibori G, et al. *Biol Reprod* 9:309-16, Oct 73

Pituitary-gonadal relations in female children and adolescents. Winter JS, et al.

Pediatr Res 7:948-53, Dec 73

[Nuclear inclusion in the steroid-producing cells of the normal ovary and in the ovary of women with Stein-Leventhal syndrome] Takeva T, et al.

Akush Ginekol (Sofia) 12:4-9, 1973 (Eng. Abstr.) (Bul)

TRANSPLANTATION

Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gibori G, et al. *Biol Reprod* 9:309-16, Oct 73

GRAAFIAN FOLLICLE

Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and

plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al.

J Endocrinol 58:377-85, Sep 73

[Observations on mortality and follicle size of *Culex pipiens pipiens* in the course of hibernation (author's transl)] Oda T, et al.

Z Tropenmed Parasitol 24:373-8, Sep 73 (Eng. Abstr.) (Ger)

ANALYSIS

Studies on human conception. Edwards RG.

Am J Obstet Gynecol 117:587-601, 1 Nov 73

ANATOMY & HISTOLOGY

Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73

Effect of gonadotrophins on the production of steroids by sheep ovarian follicles cultured in vitro. Moor RM, et al. *J Endocrinol* 58:599-611, Sep 73

Compensatory ovulation in blinded rats and/or those from which the olfactory bulb had been removed. Peppler RD, et al. *J Reprod Fertil* 34:501-6, Sep 73

Progesterone treatment of mares with abnormal oestrous cycles early in the breeding season. Niekerk CH van, et al. *J S Afr Vet Med Assoc* 44:37-45, Mar 73

[Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J. *Ann Biol Anim Biochim Biophys* 12:397-409, 1972 (Eng. Abstr.) (Fre)

BLOOD SUPPLY

Thecal vascularity in ovarian follicles of different size and rank in the lizard *Anolis carolinensis*. Gerrard AM, et al. *J Morphol* 141:277-33, Oct 73

CYTOLOGY

The effects of prostaglandin F2 alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73

Thecal vascularity in ovarian follicles of different size and rank in the lizard *Anolis carolinensis*. Gerrard AM, et al. *J Morphol* 141:277-33, Oct 73

Histological and ultrastructural changes in the blastocyst and reproductive tract of the roe deer, *Capreolus capreolus*, during delayed implantation. Aitken RJ, et al. *J Reprod Fertil* 34:481-93, Sep 73

The rôle of cumulus cells and serum in mouse oocyte maturation in vitro. Cross PC. *J Reprod Fertil* 34:241-5, Aug 73

[Classification of ovarian follicles: principles and methods of study] Mariana JC. *Ann Biol Anim Biochim Biophys* 12:377-82, 1972 (Eng. Abstr.) (Fre)

DRUG EFFECTS

Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73

Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Greenwald GS. *Biol Reprod* 9:437-46, Nov 73

The effects of prostaglandin F2 alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73

Induction by luteinizing hormone of ovum maturation and of steroidogenesis in isolated Graafian follicles of the rat: role of RNA and protein synthesis. Tsafiri A, et al. *Endocrinology* 93:1378-86, Dec 73

The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73

Effect of gonadotrophins on the production of steroids by sheep ovarian follicles cultured in vitro. Moor RM, et al. *J Endocrinol* 58:599-611, Sep 73

Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73

Effect of the local administration of proteolytic enzymes on the rupture of the ovarian follicle in the domestic fowl, *Gallus domesticus*. Nakajo S, et al. *J Reprod Fertil* 34:235-40, Aug 73

[Follicular response of immature female calves to various serum gonadotropin treatments associated or

GRAAFIAN FOLLICLE

unassociated with a progestin] Testart J.
Ann Biol Anim Blochim Biophys 12:397-409, 1972
(Eng. Abstr.) (Fre)

ENZYMOLGY

[A comparison of the enzyme activities of alkaline and acid phosphatase, lactic acid dehydrogenase and leucine aminopeptidase from the wall and fluid of human ovarian follicles, cysts and serous cystadenomas (author's transl)] Breitenacker G, et al.
Arch Gynaekol 215:85-94, 25 May 73 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

Studies on human conception. Edwards RG.
Am J Obstet Gynecol 117:587-601, 1 Nov 73
Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Greenwald GS.
Biol Reprod 9:437-46, Nov 73
Follicle developmental stages in blood-seeking horseflies (Diptera: Tabanidae) in Alberta, Canada. Thomas AW. J Med Entomol 10:325-8, 31 Jul 73
Thecal vascularity in ovarian follicles of different size and rank in the lizard *Anolis carolinensis*. Gerrard AM, et al. J Morphol 141:277-33, Oct 73
The ovary of the giraffe, *Giraffa camelopardalis*. Kayanja FI, et al. J Reprod Fertil 34:305-13, Aug 73
Some effects of steroids on the immature mouse ovary in vitro. Kent J. J Reprod Fertil 34:297-303, Aug 73
The effect of gonadotrophin on follicle growth initiation in the neonatal mouse ovary. Peters H, et al. J Reprod Fertil 35:139-41, Oct 73
Ovarian follicular development in egg and growth lines of Japanese quail. Bacon WL, et al.
Poult Sci 52:1195-9, May 73
[Classification of ovarian follicles: principles and methods of study] Marlana JC.
Ann Biol Anim Blochim Biophys 12:377-82, 1972 (Eng. Abstr.) (Fre)
[Follicular response of immature female calves to various serum gonadotrophin treatments associated or unassociated with a progestin] Testart J.
Ann Biol Anim Blochim Biophys 12:397-409, 1972 (Eng. Abstr.) (Fre)

METABOLISM

Studies on human conception. Edwards RG.
Am J Obstet Gynecol 117:587-601, 1 Nov 73
Induction by luteinizing hormone of ovum maturation and of steroidogenesis in isolated Graafian follicles of the rat: role of RNA and protein synthesis. Tsafiri A, et al. Endocrinology 93:1378-86, Dec 73

PATHOLOGY

Premature ovarian failure. Starup J, et al.
Acta Obstet Gynecol Scand 52:259-68, 1973

PHYSIOLOGY

Serum LH during ovulatory and anovulatory menstrual cycles in macaques. Mori J, et al.
Acta Endocrinol (Kbh) 73:751-8, Aug 73
Follicular observation and laparoscopic aspiration techniques in Macaca fascicularis. Jewett DA, et al.
J Med Primatol 2:108-13, 1973
Requirements for the maturation of hamster oocytes from preovulatory follicles. Haldri AA, et al.
J Reprod Fertil 35:173-6, Oct 73
[Follicular response of immature female calves to various serum gonadotrophin treatments associated or unassociated with a progestin] Testart J.
Ann Biol Anim Blochim Biophys 12:397-409, 1972 (Eng. Abstr.) (Fre)

SECRETION

Myotonic effect of bovine follicular fluid on estrous and diestrous rat uteri in vitro and on bovine mammary gland in vivo. Eller H, et al.
Am J Vet Res 34:1267-70, Oct 73
Effect of gonadotrophins on the production of steroids by sheep ovarian follicles cultured in vitro. Moor RM, et al. J Endocrinol 58:599-611, Sep 73
Follicular observation and laparoscopic aspiration techniques in Macaca fascicularis. Jewett DA, et al.
J Med Primatol 2:108-13, 1973

GONADS

Hormonal and cytoplasmic control of the maturation of frog oocytes. Masul Y.
Sov J Dev Biol 3:484-95, Nov-Dec 72

OVARY

Effect of polyphloretin-phosphate, an inhibitor of prostaglandins, on the spontaneous and induced motility of isolated rat uterus. De Glmeno MF, et al.
Acta Physiol Lat Am 23:105-12, 1973
The rôle of sympathetic innervation in pineal-pituitary feed back. Blocking of pineal changes induced in the rat by experimental hypergonadotropinaemia by chronic treatment with bretylium or guanethidine. Trentini GP, et al.
Ann Endocrinol (Paris) 34:261-70, May-Jun 73
Proline inhibition of pyrroline-5-carboxylate reductase: differences in enzymes obtained from animal and tissue culture sources. Valle D, et al.
Biochem Biophys Res Commun 54:1418-24, 15 Oct 73
Some properties of a protamine-stimulated triglyceride-hydroxylating enzyme from rat ventricle. Hamid MA, et al.
Biochem Pharmacol 22:2165-70, 1 Sep 73
Effects of ionizing radiation on RNA metabolism in cultured mammalian cells. I. Specific effects during division delay following exposure to x irradiation. Enger MD, et al.
Biochim Biophys Acta 324:120-32, 28 Sep 73
Cell-cycle-dependent variations of deoxyribonucleoside triphosphate pools in Chinese hamster cells. Walters RA, et al.
Biochim Biophys Acta 319:336-47, 7 Sep 73
Evaluation of S phase synchronization by analysis of DNA replication in 5-bromodeoxyuridine. Meyn RE, et al. Exp Cell Res 82:137-42, Nov 73
Changes in membrane function and chromatin template activity in diploid and transformed cells in culture. Baserga R, et al. Fed Proc 32:2115-8, Nov 73 (48 ref.)
Sensitivity of parameters of estrogen action in the lizard *Dipsosaurus dorsalis*. Callard IP, et al. Gen Comp Endocrinol 21:314-21, Oct 73
Simultaneous measurement of glomerular filtration rate and renal plasma flow using plasma disappearance curves. Silkain GI, et al.
J Pediatr 83:749-57, Nov 73
Plasma hormone levels in beef cows with induced multiple ovulations. Henricks DM, et al.
J Reprod Fertil 35:225-33, Nov 73
Growth of pseudotypes of vesicular stomatitis virus with N-tropic murine leukemia virus coats in cells resistant to N-tropic viruses. Huang AS, et al. J Virol 12:659-62, Sep 73
Enhancement by caffeine of N-methyl-N-nitrosourea-induced mutations and chromosome aberrations in Chinese hamster cells. Roberts JJ, et al. Mutat Res 20:243-55, Nov 73
Calusterone (7beta,17alpha-dimethyltestosterone) as primary and secondary therapy of advanced breast cancer. Gordan GS, et al. Oncology 28:138-46, 1973
Patterns of incorporation of thymidine in the female genital and other organs of mice, treated with 20-methylcholanthrene, estradiol and ovariectomy. Klavins JV, et al. Oncology 27:502-19, 1973
Comparative effects of ovarian steroids on glycogen metabolism of rat, rabbit and guinea pig uterine tissue. Demers LM, et al.
Proc Soc Exp Biol Med 143:1158-63, Sep 73
Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al.
Proc Soc Exp Biol Med 143:948-53, Sep 73
Diamide: a new radiosensitizer for anoxic cells. Harris JW, et al. Radiat Res 56:97-109, Oct 73
[Physiological and spectrophotometric analysis of irradiated tissue culture cells (author's transl)] Thiesen G.
Prog Histochem Cytochem 4:87-191, 1972 (Ger)
[Intracellular symbiosis of rickettsia-like symbionts and argasid ticks (electron-microscopic study)] Avakian AA, et al.
Dokl Akad Nauk SSSR 211:707-10, 21 Jul 73 (Rus)

ABNORMALITIES

Isochromosome Y (46,X,i(Yq)) and female phenotype. Böök JA, et al. Clin Genet 4:410-4, 1973

ANALYSIS

Histochemical observations on the interstitial gland

- cells in the garden lizard ovary. Varma SK, et al. *Acta Morphol Neerl Scand* 11:113-20, Jun 73
- Histochemical observations on the follicular atresia in the garden lizard ovary. Varma SK, et al. *Acta Morphol Neerl Scand* 11:241-52, Oct 73
- Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spilman CH, et al. *Biol Reprod* 9:116-24, Sep 73
- Conversion of progesterone to estrone and estradiol in vitro by the ovary of the infantile rat in relation to the development of its interstitial tissue. Quattropani SL, et al. *Endocrinology* 93:1269-76, Dec 73
- Amplification of ribosomal DNA in *Acheta*. VI. Ultrastructure of two types of nucleolar components associated with ribosomal DNA. Jaworska H, et al. *Hereditas* 74:169-86, 1973
- Pesticide residues in milk and in tissues following long, low 2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake. Whiting FM, et al. *J Dairy Sci* 56:1324-8, Oct 73
- Localization of ethynyl estradiol in the reproductive tract of women. Reed MJ, et al. *J Endocrinol* 58:643-56, Sep 73
- Ovarian lipids in guinea-pigs. Sharma DP, et al. *J Reprod Fertil* 35:191-3, Oct 73

ANATOMY & HISTOLOGY

- Dehydrogenases in the prepubertal rat ovary: a histochemical study of delta-5-3 beta-hydroxysteroid dehydrogenase and enzymes of carbohydrate oxidation following oxythiamine treatment. Sen Gupta J, et al. *Acta Endocrinol (Kbh)* 73:759-70, Aug 73
- Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica. Alvarez-Buylla R, et al. *Acta Physiol Lat Am* 23:75-82, 1973
- Ovarian vessels and ureter as indicators of the expansion of the uterus in pregnancy. A roentgenographic and statistical investigation. Ohlson L. *Acta Radiol [Diagn] (Stockh)* 14:467-90, Jul 73
- Ectopic ovarian tissue: case report of an unusual presentation. Daw E. *Am J Obstet Gynecol* 117:578-7, 15 Oct 73
- Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: angioarchitecture in sheep. Del Campo CH, et al. *Am J Vet Res* 34:1377-85, Nov 73
- Canine reproduction: reproductive organs and related structures of the nonparous, parous, and postpartum bitch. Sokolowski JH, et al. *Am J Vet Res* 34:1001-13, Aug 73
- The effects of prostaglandin F₂ alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73
- Ovarian steroid patterns in peripheral plasma during the menstrual cycle in the rhesus monkey. Bosu WT, et al. *Folia Primatol (Basel)* 19:218-34, 1973
- Forebrain regulation of ovarian cycle in rats: evidence for a dual control. Dua-Sharma S, et al. *Indian J Physiol Pharmacol* 17:17-29, Jan-Mar 73
- The importance of gonadography and gonadometry in the diagnosis of polycystic ovaries. Tassopoulos CN, et al. *Int Surg* 58:619-22, Sep 73
- The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73
- The maintenance of pregnancy, and parturition, in guinea-pigs hypophysectomized within 4 days of mating. Illingworth DV, et al. *J Endocrinol* 59:163-9, Oct 73
- Laparoscopic technique for the examination of the ovaries in the rhesus monkey. Bosu WT. *J Med Primatol* 2:124-9, 1973
- The ovary of the giraffe, *Giraffa camelopardalis*. Kayanja FI, et al. *J Reprod Fertil* 34:305-13, Aug 73
- Grouping and ovulation in *Microtus pennsylvanicus*. Pasley JN, et al. *J Reprod Fertil* 34:527-30, Sep 73
- Compensatory ovulation in hindlaid rats and-or those from which the olfactory bulb had been removed. Peppler RD, et al. *J Reprod Fertil* 34:501-6, Sep 73
- A comparative study of the reproductive system of mature, immature and "unisexual" female *Schlodosoma mansoni*. Erasmus DA. *Parasitology* 67:165-83, Oct 73
- Luteal regression with rat prolactin. Macdonald GJ, et al. *Proc Soc Exp Biol Med* 143:1031-3, Sep 73

- Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (65 ref.)
- [Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J. *Ann Biol Anim Blochim Biophys* 12:397-409, 1972 (Eng. Abstr.) (Fre)
- [Hormonal regulation of ovarian function in cows] Cheremisinov GA. *Veterinariia* 11:34-7, Nov 72 (Rus)

BLOOD SUPPLY

- Ovarian vessels and ureter as indicators of the expansion of the uterus in pregnancy. A roentgenographic and statistical investigation. Ohlson L. *Acta Radiol [Diagn] (Stockh)* 14:467-90, Jul 73
- Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: angioarchitecture in sheep. Del Campo CH, et al. *Am J Vet Res* 34:1377-85, Nov 73
- Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: areas of close apposition between the ovarian artery and vessels which contain uterine venous blood in sheep. Ginther OJ, et al. *Am J Vet Res* 34:1387-93, Nov 73
- Ovarian secretion of oestradiol, oestrone, 20-dihydroprogesterone and progesterone during the oestrous cycle of the guinea-pig. Joshi HS, et al. *J Reprod Fertil* 35:177-81, Oct 73
- Constitutional hirsutism: endocrinopathy or genetic curse. Greenblatt RB, et al. *J Reprod Med* 11:96-8, Sep 73
- [A case of multiple bilateral kidney abnormalities in man] Alhu I, et al. *Anat Anz* 133:207-13, 1973 (Ger)
- [Urinary flow obstruction caused by atypical course of the right ovarian vein] Haage H, et al. *Radiologe* 13:299-301, Jul 73 (Ger)

CYTOLOGY

- Subcellular distribution and fate of radioactivity in ovaries of pseudo-pregnant rats after in vivo administration of (131-I)HCG. Braendle W, et al. *Acta Endocrinol (Kbh)* 74:361-70, Oct 73
- Histochemical observations on the interstitial gland cells in the garden lizard ovary. Varma SK, et al. *Acta Morphol Neerl Scand* 11:113-20, Jun 73
- Histochemical observations on the follicular atresia in the garden lizard ovary. Varma SK, et al. *Acta Morphol Neerl Scand* 11:241-52, Oct 73
- The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. Moon YS, et al. *Am J Anat* 138:253-67, Oct 73
- Gonadotropin receptors in the plasma membranes of rat luteal cells. Rao CV, et al. *Biochim Biophys Acta* 313:372-89, 28 Jul 73
- The effects of prostaglandin F₂ alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73
- Replication of DNA in mammalian chromosomes. II. Kinetics of 3H-thymidine incorporation and the isolation and partial characterization of labeled subunits at the growing point. Taylor JH, et al. *Chromosoma* 41:361-84, 27 Apr 73
- Long-term culture of differentiated granulosa cells from individual bovine follicles. Korenman SG, et al. *Endocrinology* 93:1423-7, Dec 73
- Conversion of progesterone to estrone and estradiol in vitro by the ovary of the infantile rat in relation to the development of its interstitial tissue. Quattropani SL, et al. *Endocrinology* 93:1269-76, Dec 73
- Effect of amino acid and serum deprivation on the regulation of RNA synthesis in cultured Chinese hamster ovary cells. Fan K, et al. *Exp Cell Res* 82:111-8, Nov 73
- Chromosomal accumulation of 3H-estradiol in dividing ovarian granulosa cells and ovarian squash preparations. Tjälve H, et al. *Experientia* 29:1143-4, 15 Sep 73
- Amplification of ribosomal DNA in *Acheta*. 8. Binding of H³-actinomycin to DNA in the nucleus and cytoplasm. Jaworska H, et al. *Hereditas* 74:205-10, 1973
- Amplification of ribosomal DNA in *Acheta*. VII. Transfer of DNA-RNA assemblies from the nucleus to the cytoplasm. Jaworska H, et al. *Hereditas* 74:187-203, 1973
- Amplification of ribosomal DNA in *Acheta*. VI. Ultrastructure of two types of nucleolar components

- associated with ribosomal DNA. Jaworwka H, et al. *Hereditas* 74:169-86, 1973
- Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al. *J Endocrinol* 58:377-85, Sep 73
- Brief communication: Specific colony inhibition by human lymphoma cells on an established human lymphoma cell line. Drewinko B, et al. *J Natl Cancer Inst* 51:1377-8, Oct 73
- Histological and ultrastructural changes in the blastocyst and reproductive tract of the roe deer, *Capreolus capreolus*, during delayed implantation. Aitken RJ, et al. *J Reprod Fertil* 34:481-93, Sep 73
- The ovary of the giraffe, *Giraffa camelopardalis*. Kayanja FI, et al. *J Reprod Fertil* 34:305-13, Aug 73
- Effects of prostaglandins E1 and F2alpha and of polyphosphatidyl phosphate on cholesterol esterification by rabbit ovarian subcellular fractions. Morin RJ. *Res Commun Chem Pathol Pharmacol* 6:195-206, Jul 73
- Effects of orally ingested aflatoxin B1 on nucleic acids and ribosomes of housefly ovaries. al-Adil KM, et al. *Toxicol Appl Pharmacol* 26:130-6, Sep 73
- [Nuclear inclusion in the steroid-producing cells of the normal ovary and in the ovary of women with Stein-Leventhal syndrome] Takeva T, et al. *Akush Ginekol (Sofia)* 12:4-9, 1973 (Eng. Abstr.) (Bul)
- [Classification of ovarian follicles: principles and methods of study] Marlana JC. *Ann Biol Anim Blochim Biophys* 12:377-82, 1972 (Eng. Abstr.) (Fre)
- [Neuro-hormonal control of the secretion of the p.l.f. (author's transl)] Marchandise B. *Ann Endocrinol (Paris)* 34:308-10, May-Jun 73 (Fre)
- DRUG EFFECTS**
- Dehydrogenases in the prepubertal rat ovary: a histochemical study of delta-5-3 beta-hydroxysteroid dehydrogenase and enzymes of carbohydrate oxidation following oxythylamine treatment. Sen Gupta J, et al. *Acta Endocrinol (Kbh)* 73:759-70, Aug 73
- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73
- Ornithine decarboxylase stimulation by 3',5'-cyclic AMP in oviduct of *Coturnix* quail. Preslock JP, et al. *Am J Physiol* 225:903-7, Oct 73
- Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism. *Arch Intern Med* 132:616-9, Oct 73
- Cell-cycle-dependent variations of deoxyribonucleoside triphosphate pools in Chinese hamster cells. Walters RA, et al. *Biochim Biophys Acta* 319:336-47, 7 Sep 73
- The effects of prostaglandin F2 alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73
- Effect of 1-methylallylthiocarbamoyl-2-methylthiocarbamoylhydrazine (Methallibure) on the reproductive organs in gilts (uterus, oviducts, ovaries). Bielański A. *Bull Acad Pol Sci [Biol]* 21:561-4, 1973
- Prophylaxis of spontaneously developing mammary carcinoma in C3H-HeJ female mice by suppression of prolactin. Welsch CW, et al. *Cancer Res* 33:2939-46, Nov 73
- In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
- Functional integrity of the oxytocin-releasing reflex in goats: dependence on estrogen. Roberts JS. *Endocrinology* 93:1309-14, Dec 73
- Monkey ovarian contractility-its relationship to ovulation. Virutamasen P, et al. *Fertil Steril* 24:763-71, Oct 73
- The effects of gonadotropin preparations and steroid hormones on the ovaries of intact and gonadotropin-deprived gudgeons, *Hypseleotris galii*. Mackay NJ. *Gen Comp Endocrinol* 21:278-86, Oct 73
- Screening of drugs for genetic effects. Reddi OS, et al. *Indian J Med Res* 61:926-35, Jun 73
- Control of steroidogenesis in pre-ovulatory cells. Luteinizing hormone stimulation of (14C)-acetate incorporation into sterols. Morris PW, et al. *J Biol Chem* 248:6920-7, 10 Oct 73
- The effect of ploidy on chemical mutagenesis in cultured Chinese hamster cells. Chasin LA. *J Cell Physiol* 82:299-307, Oct 73
- The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73
- Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylate cyclase. Koch Y, et al. *J Endocrinol* 58:677-8, Sep 73
- Prostaglandin F2 alpha and the release of LH in sheep. Carlson JC, et al. *J Reprod Fertil* 34:357-61, Aug 73
- Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73
- Influence of the tripeptide, PRO-ARG-GLY-(NH2), on ovulation induced with LH or synthetic LH-FSH releasing hormone in chlorpromazine-treated pro-oestrous rats. Lastra M de la, et al. *J Reprod Fertil* 34:531-4, Sep 73
- The effect of gonadotropin on follicle growth: initiation in the neonatal mouse ovary. Peters H, et al. *J Reprod Fertil* 35:139-41, Oct 73
- The effect of handling weanling rats on their usefulness in subsequent assays of follicle-stimulating hormone. Sharpe RM, et al. *Lab Anim* 7:311-4, Sep 73
- Cyclophosphamide-induced ovarian failure. Warne GL, et al. *N Engl J Med* 289:1159-62, 29 Nov 73
- Luteal regression with rat prolactin. Macdonald GJ, et al. *Proc Soc Exp Biol Med* 143:1031-3, Sep 73
- Studies on the structure and function of interstitial cell-stimulating hormone. Papkoff H, et al. *Recent Prog Horm Res* 29:563-90, 1973
- Effects of prostaglandins E1 and F2alpha and of polyphosphatidyl phosphate on cholesterol esterification by rabbit ovarian subcellular fractions. Morin RJ. *Res Commun Chem Pathol Pharmacol* 6:195-206, Jul 73
- Effects of orally ingested aflatoxin B1 on nucleic acids and ribosomes of housefly ovaries. al-Adil KM, et al. *Toxicol Appl Pharmacol* 26:130-6, Sep 73
- Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Fregly MJ. *Toxicol Appl Pharmacol* 25:560-8, Aug 73
- [Changes in the estrus cycle in experimental animals under the effect of trinitrotoluol] Geshtev G. *Akush Ginekol (Sofia)* 12:206-9, 1973 (Eng. Abstr.) (Bul)
- [Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J. *Ann Biol Anim Blochim Biophys* 12:397-409, 1972 (Eng. Abstr.) (Fre)
- [Regulation of genital function in the dormouse. Effect of gonadotropic hormones on diencephalic monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al. *Ann Endocrinol (Paris)* 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Neuro-hormonal control of the secretion of the p.l.f. (author's transl)] Marchandise B. *Ann Endocrinol (Paris)* 34:308-10, May-Jun 73 (Fre)
- [Effects of short- and long-term administration of synthetic FSH- and LH-releasing hormone on the parameters assessing menstrual function in women with secondary amenorrhoea] Schneider WH, et al. *Wien Klin Wochenschr* 85:554-8, 17 Aug 73 (Eng. Abstr.) (Ger)
- [Effect of the epiphysis on the follicle-stimulating function of the hypophysis] Grachev II, et al. *Fiziol Zh SSSR* 59:647-51, Apr 73 (Eng. Abstr.) (Rus)
- [Effect of phenol on the sexual cycle of animals in chronic inhalatory exposure] Kolesnikova TN. *Gig Sanit* 37:105-6, Oct 72 (Rus)
- [Hormonal regulation of ovarian function in cows] Cheremisinov GA. *Veterinariia* 11:34-7, Nov 72 (Rus)
- EMBRYOLOGY**
- The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. Moon YS, et al. *Am J Anat* 138:253-67, Oct 73
- The ovary of the giraffe, *Giraffa camelopardalis*. Kayanja FI, et al. *J Reprod Fertil* 34:305-13, Aug 73
- Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (65 ref.)

ENZYMOLGY

- Dehydrogenases in the prepubertal rat ovary: a histochemical study of delta-5-3 beta-hydroxysteroid dehydrogenase and enzymes of carbohydrate oxidation following oxythiamine treatment. Sen Gupta J, et al. *Acta Endocrinol (Kbh)* 73:759-70, Aug 73
- Ornithine decarboxylase stimulation by 3',5'-cyclic AMP in oviduct of Coturnix quail. Preslock JP, et al. *Am J Physiol* 225:903-7, Oct 73
- Proline biosynthesis: multiple defects in Chinese hamster ovary cells. Valle D, et al. *Biochem Biophys Res Commun* 53:1130-6, 21 Aug 73
- Transfer RNA methylase and transfer RNA methylase-inhibitor activity in normal and malignant human ovarian tissue. Sheld B, et al. *Cancer Res* 33:2518-23, Oct 73
- Conversion of progesterone to estrone and estradiol in vitro by the ovary of the infantile rat in relation to the development of its interstitial tissue. Quattropani SL, et al. *Endocrinology* 93:1269-76, Dec 73
- On the properties of a membrane-associated protein kinase from Chinese hamster ovary cells. Bacalao J, et al. *FEBS Lett* 37:37-41, 15 Nov 73
- The effect of ploidy on chemical mutagenesis in cultured Chinese hamster cells. Chasin LA. *J Cell Physiol* 82:299-307, Oct 73
- Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylate cyclase. Koch Y, et al. *J Endocrinol* 58:677-8, Sep 73
- The cytochemical application of new potent inhibitors of alkaline phosphatases. Borgers M. *J Histochem Cytochem* 21:812-24, Sep 73

GROWTH & DEVELOPMENT

- Differentiation of the genital ridges of mouse embryos in the kidney of adult mice. Ozdzenski W. *Arch Anat Microsc Morphol Exp* 61:287-78, Jul-Sep 72
- The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73
- Letter: Effects of light intensity, wavelength and quanta on gonads and spleen of the deer mouse. Vrlend J, et al. *Nature* 244:37-8, 6 Jul 73
- [Influence of the development of the parasite *Xenos vesparum* Rossi (Insecta, Strepsiptera) on the neuroendocrine system of *Pollistes* (Hymenoptera, Vespidae) females at the beginning of their imaginal life] Strambil A, et al. *Arch Anat Microsc Morphol Exp* 62:39-54, Jan-Mar 73 (Fre)

IMMUNOLOGY

- Antibody cytotoxicity studies in ovarian and cervical malignancies. Disala PJ, et al. *Obstet Gynecol* 42:644-50, Nov 73

METABOLISM

- Subcellular distribution and fate of radioactivity in ovaries of pseudo-pregnant rats after in vivo administration of (131-I)HCG. Braendle W, et al. *Acta Endocrinol (Kbh)* 74:361-70, Oct 73
- Relaxin in porcine corpora lutea during pregnancy and after hysterectomy. Anderson LL, et al. *Am J Physiol* 225:1215-9, Nov 73
- Effects of human chorionic gonadotropin on the incorporation of uridine into nucleotide pools and ribonucleic acid in the reproductive tract of the rabbit doe. O'Shea T. *Aust J Biol Sci* 26:937-46, Aug 73
- Proline biosynthesis: multiple defects in Chinese hamster ovary cells. Valle D, et al. *Biochem Biophys Res Commun* 53:1130-6, 21 Aug 73
- Cell-cycle-dependent variations of deoxyribonucleoside triphosphate pools in Chinese hamster cells. Walters RA, et al. *Biochim Biophys Acta* 319:336-47, 7 Sep 73
- In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcova J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
- Conversion of progesterone to estrone and estradiol in vitro by the ovary of the infantile rat in relation to the development of its interstitial tissue. Quattropani SL, et al. *Endocrinology* 93:1269-76, Dec 73
- Effect of amino acid and serum deprivation on the regulation of RNA synthesis in cultured Chinese

- hamster ovary cells. Fan K, et al. *Exp Cell Res* 82:111-8, Nov 73
- Chromosomal accumulation of 3H-estradiol in dividing ovarian granulosa cells and ovarian squamous preparations. Tjalve H, et al. *Experientia* 29:1143-4, 15 Sep 73
- Globin messenger in mouse leukemia cells: activity associated with RNA species in the region of 8 to 16 S. Ostertag W, et al. *FEBS Lett* 32:219-22, 1 Jun 73
- Copper levels in tissues of rhesus monkeys bearing intrauterine or intra-abdominal copper devices. Moo-Young AJ, et al. *Fertil Steril* 24:848-53, Nov 73
- Amplification of ribosomal DNA in Acheia. 8. Binding of H3-actinomycin to DNA in the nucleus and cytoplasm. Jaworska H, et al. *Hereditas* 74:205-10, 1973
- Amplification of ribosomal DNA in Acheia. VII. Transfer of DNA-RNA assemblies from the nucleus to the cytoplasm. Jaworska H, et al. *Hereditas* 74:187-203, 1973
- Distribution of HCG and asialo-HCG in the mouse: quantitative and radioautographic studies. Rajaniemi H, et al. *Horm Res* 4:177-89, 1973
- Control of steroidogenesis in pre-ovulatory cells. Luteinizing hormone stimulation of (14C)-acetate incorporation into sterols. Morris PW, et al. *J Biol Chem* 248:6920-7, 10 Oct 73
- Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73
- New bioassay for luteinizing hormone. Rees LH, et al. *Nature* 244:232-4, 27 Jul 73
- DNA-degradation and excision repair in gamma-irradiated Chinese hamster ovary cells. Mattern MR, et al. *Nature [New Biol]* 245:230-2, 24 Oct 73
- Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (65 ref.)
- Studies on the structure and function of interstitial cell-stimulating hormone. Papkoff H, et al. *Recent Prog Horm Res* 29:563-90, 1973
- Effects of prostaglandins E1 and F2alpha and of polyphosphatidyl phosphate on cholesterol esterification by rabbit ovarian subcellular fractions. Morin RJ. *Res Commun Chem Pathol Pharmacol* 6:195-206, Jul 73
- Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus luteum ovary and its partner. Smith OW, et al. *Steroids* 22:379-99, Sep 73
- [The effect of the bursa of Fabricius on the genital organs of the young hen (*Gallus domesticus*) stimulated with gonadotropin (HCG and PMS); light and electron-microscopic studies of the rate of synthesis of collagen, basic substance and sex steroid hormones in the ovary] Budras KD, et al. *Zentralbl Veterinärmed [C]* 2:156-88, Jun 73 (Eng. Abstr.) (Ger)
- [Ovarian hormonogenesis and its changes in cystic disease in women] Arateli H, et al. *Stud Cercet Endocrinol* 24:431-4, 1973 (Rum)
- [Change in the nitrogen content of extractable substances in the liver and gonads of Baltic cod in relation to processes of ova- and spermatogenesis] Maslennikova NV. *Biol Nauki* 10:43-7, 1973 (Rus)

MICROBIOLOGY

- Transovarial transmission of LaCrosse virus (California encephalitis group) in the mosquito, *Aedes triseriatus*. Watts DM, et al. *Science* 182:1140-1, 14 Dec 73

PATHOLOGY

- Oestrogenic and antifertility effects of chalcone derivatives. Jacob D, et al. *Acta Endocrinol (Kbh)* 74:371-8, Oct 73
- Dehydrogenases in the prepubertal rat ovary: a histochemical study of delta-5-3 beta-hydroxysteroid dehydrogenase and enzymes of carbohydrate oxidation following oxythiamine treatment. Sen Gupta J, et al. *Acta Endocrinol (Kbh)* 73:759-70, Aug 73
- Premature ovarian failure. Starup J, et al. *Acta Obstet Gynecol Scand* 52:259-68, 1973
- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H. *Acta Obstet Gynecol Scand [Suppl]* 1-78, 1973
- Multiple myeloma in childhood: report of a case with breast tumors as a presenting manifestation. Maeda K, et al. *Am J Clin Pathol* 60:552-8, Oct 73
- An adrenal cortical rest within the fetal ovary: report

- of a case. Symonds DA, et al.
Am J Clin Pathol 60:562-4, Oct 73
- Alpha-fetoprotein and endodermal sinus tumor of the ovary. Wilkinson EJ, et al.
Am J Obstet Gynecol 116:711-4, 1 Jul 73
- The effects of X-irradiation of the rat ovary on implantation and embryonic development. Glhons AF, et al. Biol Reprod 9:343-9, Nov 73
- Ovarian stromal tumors containing Leydig cells. II. Pure Leydig cell tumor, non-hilar type. Roth LM, et al. Cancer 32:952-60, Oct 73
- Ovarian stromal tumors containing Leydig cells. I. Stromal-Leydig cell tumor and non-neoplastic transformation of ovarian stroma to Leydig cells. Sternberg WH, et al. Cancer 32:940-51, Oct 73
- Ovarian gynandroblastoma presenting with primary amenorrhea. Mahran M, et al. Int Surg 58:643-5, Sep 73
- The importance of gonadography and gonadometry in the diagnosis of polycystic ovaries. Tassopoulos CN, et al. Int Surg 58:619-22, Sep 73
- Ovarian tumours in postmenopausal women. Clinicopathological features and hormonal studies. Rome RM, et al.
J Obstet Gynaecol Br Commonw 80:984-91, Nov 73
- Y to X translocation in a woman with reproductive failure. A new rearrangement. Khudr G, et al. JAMA 228:544-9, 29 Oct 73
- Cyclophosphamide-induced ovarian failure. Warne GL, et al. N Engl J Med 289:1159-62, 29 Nov 73
- [Nuclear inclusion in the steroid-producing cells of the normal ovary and in the ovary of women with Stein-Leventhal syndrome] Takeva T, et al.
Akush Ginekol (Sofia) 12:4-9, 1973 (Eng. Abstr.) (Bul)
- [Multiglandular insufficiency syndrome. Hypoparathyroidism-Addison's disease-moniliasis] Mitschke H, et al.
Dtsch Med Wochenschr 98:1666-9, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Giant uterine myoma in a congenital adrenogenital syndrome] Sege D, et al.
Schweiz Med Wochenschr 103:1743-9, 8 Dec 73 (Eng. Abstr.) (Ger)
- [Complications of therapy in gynecology (morphological studies of the effects of female sex hormones and like substances) (review) (author's transl)] Dallenbach-Hellweg G.
Verh Dtsch Ges Kreislafforsch 56:252-83, 1972 (Eng. Abstr.) (Ger)

PHYSIOLOGY

- Impaired wound healing in progesterone-treated rabbits. Nyman S, et al.
Acta Chir Scand 139:415-9, 1973
- Histochemical observations on the follicular atresia in the garden lizard ovary. Varma SK, et al.
Acta Morphol Neerl Scand 11:241-52, Oct 73
- Plasma prolactin changes following cortical spreading depression in female rats. Colombo JA, et al.
Am J Physiol 225:766-9, Oct 73
- Complexity of chemical communication in mammals: urinary components mediating sex discrimination by male guinea pigs. Beruter J, et al.
Biochem Biophys Res Commun 53:264-71, 2 Jul 73
- Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. Okada Y, et al.
Biochem Biophys Res Commun 53:1180-6, 21 Aug 73
- The effects of prostaglandin F2 alpha on the structure and function of the rabbit ovary. Koering MJ, et al. Biol Reprod 9:226-45, Oct 73
- Anti-oestrogenic activity in compounds related to ethamoxyltriphthal (MER 25), clomiphene and MRL 37. Clark ER, et al. Br J Pharmacol 48:345P, Jun 73
- Treatment in vivo of R3230AC carcinoma of the rat with estradiol mustard (NSC-112259) of its molecular components. Everson RB, et al.
Cancer Chemother Rep 57:353-5, Sep-Oct 73
- Induction of ovulation with clomiphene citrate. Kase N. Clin Obstet Gynecol 16:192-200, Sep 73
- Influence of ovarian hormones on electromyograms of uterus, stomach and intestines in dogs. Milenov K, et al. Endocrinol Exp (Bratisl) 7:163-9, Sep 73
- Influence of progestational steroids on hypothalamic tyrosine hydroxylase activity in vitro. Beattie CW, et al. Endocrinology 93:1453-5, Dec 73
- Effects of gonadal steroids upon brain
5-hydroxytryptamine levels in the neonatal rat. Giulian D, et al. Endocrinology 93:1329-35, Dec 73
- Functional integrity of the oxytocin-releasing reflex in

- goats: dependence on estrogen. Roberts JS.
Endocrinology 93:1309-14, Dec 73
- Reproductive function in the genetically obese "fatty" rat. Salduddin S, et al. Endocrinology 93:1251-6, Dec 73
- LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J.
FEBS Lett 35:59-62, 1 Sep 73
- Monkey ovarian contractility-its relationship to ovulation. Virutamasen P, et al.
Fertil Steril 24:763-71, Oct 73
- Ovarian steroid patterns in peripheral plasma during the menstrual cycle in the rhesus monkey. Bosu WT, et al. Folia Primatol (Basel) 19:218-34, 1973
- Gonadal hormones and thyroid function in the spotted munia, Lonchura punctulata. Chandola A, et al. Gen Comp Endocrinol 21:305-13, Oct 73
- Effects of gonadal hormones on the flank gland of the golden hamster. Vandenbergh JG.
Horm Res 4:28-33, 1973
- Forebrain regulation of ovarian cycle in rats: evidence for a dual control. Dua-Sharma S, et al.
Indian J Physiol Pharmacol 17:17-29, Jan-Mar 73
- The effect of gonadectomy and hormone administration on the urinary bladder carcinogenicity of N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide in male and female Swiss mice. Yoshida O, et al. Invest Urol 11:216-20, Nov 73
- Effect of ovariectomy and estradiol on LH patterns in ewes. Diekman MA, et al. J Anim Sci 37:562-7, Aug 73
- Light and electron microscope localization of binding sites of antihodies against ovine luteinizing hormone and its two subunits in rat adenohipophysis using peroxidase-labeled antibody technique. Tougaard C, et al. J Cell Biol 58:503-21, Sep 73
- The development of cyclic pituitary-gonadal function in adolescent females. Winter JS, et al.
J Clin Endocrinol Metab 37:714-8, Nov 73
- Development of the mechanisms involved in the facilitatory and inhibitory effects of ovarian steroids on the release of follicle-stimulating hormone in the immature rat. Calligaris L, et al.
J Endocrinol 58:547-54, Sep 73
- Changes in serum gonadotrophin levels, and in protein levels and in-vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. Haar MB ter, et al. J Endocrinol 58:563-76, Sep 73
- Oestrogen receptors in the mammary gland of the lactating rat. Hsueh AJ, et al.
J Endocrinol 58:503-11, Sep 73
- Lactogenesis in the diabetic rat. Kyriakou SY, et al. J Endocrinol 59:199-200, Oct 73
- Foetoplacental contribution to the maternal corticosteroid pool in Long-Evans rats. Petropoulos EA, et al. J Endocrinol 59:183-4, Oct 73
- Studies on plasma progesterone in cows associated with ovarian changes following enucleation of the persistent corpus luteum. Dobrowolski W, et al. J Reprod Fertil 35:199-201, Oct 73
- Concentrations of oestrogens and progesterone in the plasma of ovariectomized and ovariectomized Norgestrel-treated pregnant guinea-pigs. Illingworth DV, et al. J Reprod Fertil 34:289-96, Aug 73
- Compensatory ovulation in blinded rats and/or those from which the olfactory bulb had been removed. Peppier RD, et al. J Reprod Fertil 34:501-6, Sep 73
- Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. J Steroid Biochem 4:341-7, Jul 73
- Ovarian control of vitellogenin synthesis by the fat body in Aedes aegypti. Hagedorn HH, et al. Nature 244:103-5, 13 Jul 73
- Letter: Effects of light intensity, wavelength and quanta on gonads and spleen of the deer mouse. Friend J, et al. Nature 244:37-8, 6 Jul 73
- Pituitary-gonadal relations in female children and adolescents. Winter JS, et al.
Pediatr Res 7:948-53, Dec 73
- The effects of gonadectomy on the sex differences in dietary self-selection patterns and carcass compositions of rats. Leshner AI, et al. Physiol Behav 11:671-6, Nov 73
- The effects of dihydroxy cyclic AMP on the hepatic mixed function oxidase system in hormonally altered rats. Ross WE, et al.
Res Commun Chem Pathol Pharmacol 6:541-9, Sep 73
- Luteinizing hormone-releasing factor potentiates lordosis behavior in hypophysectomized ovariectomized female rats. Pfaff DW.
Science 182:1148-9, 14 Dec 73
- In vitro accumulation and saturation of 3H-progestins

in selected brain regions and in the adenohipophysis, uterus and pineal of the female rat. Luttge WG, et al. *Steroids* 22:493-502, Oct 73

A method of examining the cyclic changes occurring in the sheep ovary using endoscopy. Boyd JS, et al. *Vet Rec* 93:40-3, 14 Jul 73

[Use of an early test for pregnancy by determining progesterone in peripheral blood of the ewe] Saumande J, et al.

Ann Biol Anim Blochim Biophys 12:861-5, 1972 (Eng. Abstr.) (Fre)

[Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J.

Ann Biol Anim Blochim Biophys 12:397-409, 1972 (Eng. Abstr.) (Fre)

[Regulation of genital function in the dormouse. Effect of gonadotropic hormones on diencephalic monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al.

Ann Endocrinol (Paris) 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)

[Plutitary-gonad parabiosis, in teleosts organ culture (author's transl)] Remacle C.

Ann Endocrinol (Paris) 34:303-7, May-Jun 73 (Eng. Abstr.) (Fre)

[Hormonal regulation of ovarian function in cows] Cheremisinov GA. *Veterinaria* 11:34-7, Nov 72 (Rus)

PHYSIOPATHOLOGY

Premature ovarian failure. Starup J, et al.

Acta Obstet Gynecol Scand 52:259-68, 1973

Luteal phase defects: recognition and management. Reynlak JV. *Bull NY Acad Med* 49:974-84, Nov 73

[Functional state of the hypothalamo-hypophyseal-ovarian system in myasthenia] Manulova IA, et al.

Sov Med 36:12-7, Jun 73 (Eng. Abstr.) (Rus)

[Study of the pathogenesis of juvenile uterine hemorrhages] Dobrotina AF, et al.

Vopr Okhr Materin Det 18:74-8, Mar 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Possible effects of x-ray exposure during fetal life on the subsequent reproductive performance of human females. Meyer MB, et al.

Am J Epidemiol 98:151-60, Sep 73

The effects of X-irradiation of the rat ovary on implantation and embryonic development. Gibbons AF, et al. *Biol Reprod* 9:343-9, Nov 73

RADIOGRAPHY

Ovarian vessels and ureter as indicators of the expansion of the uterus in pregnancy. A roentgenographic and statistical investigation.

Ohlson L.

Acta Radiol [Diagn] (Stockh) 14:467-90, Jul 73

SECRETION

The effects of X-irradiation of the rat ovary on implantation and embryonic development. Gibbons AF, et al. *Biol Reprod* 9:343-9, Nov 73

Long-term culture of differentiated granulosa cells

from individual bovine follicles. Korenman SG, et al. *Endocrinology* 93:1423-7, Dec 73

Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73

Progesterone secretion from the ovary in the ewe following infusion of uterine venous plasma. Baird DT, et al. *J Reprod Fertil* 35:13-22, Oct 73

Prostaglandin F2 alpha and the release of LH in sheep. Carlson JC, et al. *J Reprod Fertil* 34:357-61, Aug 73

Ovarian secretion of oestradiol, oestrone, 20-dihydroprogesterone and progesterone during the oestrous cycle of the guinea-pig. Joshi HS, et al. *J Reprod Fertil* 35:177-81, Oct 73

Ovarian control of vitellogenin synthesis by the fat body in *Aedes aegypti*. Hagedorn HH, et al. *Nature* 244:103-5, 13 Jul 73

[Nuclear inclusion in the steroid-producing cells of the normal ovary and in the ovary of women with Stein-Leventhal syndrome] Takeva T, et al.

Akush Ginekol (Sofia) 12:4-9, 1973 (Eng. Abstr.) (Bul)

SURGERY

Tuboovarian abscess with recovery of T-mycoplasma. Braun P, et al.

Am J Obstet Gynecol 117:861-2, 15 Nov 73

Ectopic ovarian tissue: case report of an unusual presentation. Daw E.

Am J Obstet Gynecol 117:576-7, 15 Oct 73

The effects of X-irradiation of the rat ovary on implantation and embryonic development. Gibbons AF, et al. *Biol Reprod* 9:343-9, Nov 73

Hormonal requirement for implantation and embryonic development in the ferret. Wu JT, et al.

Biol Reprod 9:350-5, Nov 73

Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 18:192-200, Sep 73

Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. Boyar RM, et al.

J Clin Endocrinol Metab 37:521-5, Oct 73

The effects of oxytocin and vasopressin during the oestrous cycle and pregnancy on the uterus of a marsupial species, the quokka (*Setonix brachyurus*). Heller H. *J Endocrinol* 58:657-71, Sep 73

Complications of pelvic operation following abdominoperineal resection. Caspersen LS.

Trans Pac Coast Obstet Gynecol Soc 40:124-8, 1973

[Conservative or surgical treatment of patients with Stein-Leventhal syndrome] Markovski N.

Akush Ginekol (Sofia) 12:9-13, 1973 (Eng. Abstr.) (Bul)

TRANSPLANTATION

Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica.

Alvarez-Buylla R, et al.

Acta Physiol Lat Am 23:75-82, 1973

Progesterone secretion from the ovary in the ewe following infusion of uterine venous plasma. Baird DT, et al. *J Reprod Fertil* 35:13-22, Oct 73

[Experiments on malignant transformation of hyperplastic tumours ("splenic ovary") in rats (author's transl)] Hilfrich J, et al.

Verh Dtsch Ges Kreislaufrorsch 56:532-5, 1972 (Eng. Abstr.) (Ger)

GONADS

Testis

LEYDIG CELLS

- The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. Moon YS, et al. *Am J Anat* 138:253-67, Oct 73
- Changes in the canine testes after bilateral vasectomy--an experimental study. Vare AM, et al. *Fertil Steril* 24:793-7, Oct 73
- Leydig cell differentiation, steroid metabolism by the interstitium in vitro and the growth of the accessory sex organs in the rat. Tsang WN, et al. *J Reprod Fertil* 34:351-5, Aug 73
- [Sexual cycle of the male badger (*Meles meles* L.)] Audy-Relexans MC. *Ann Biol Anim Biochim Biophys* 12:355-66, 1972 (Eng. Abstr.) (Fre)

ANALYSIS

- Histochemical observations on the interstitial (Leydig) cells of the snake testis. Guraya SS. *Acta Morphol Acad Sci Hung* 21:1-12, 1973

CYTOLOGY

- On the occurrence of spaces similar to intercellular canaliculi in the Leydig cells of mice. Motta P, et al. *Experientia* 29:1120-2, 15 Sep 73
- Ultrastructure of Leydig cell paracrystalline inclusions, possibly related to Reinke crystals, in the normal human testis. Sobval AR, et al. *Z Zellforsch Mikrosk Anat* 142:13-26, 27 Aug 73

DRUG EFFECTS

- Biphasic effect of testosterone on spermatogenesis in the rat. Walsh PC, et al. *Invest Urol* 11:190-3, Nov 73
- Testosterone concentrations in testes of normal men: effects of testosterone propionate administration. Morse HC, et al. *J Clin Endocrinol Metab* 37:882-6, Dec 73
- The influence of 17 alpha-methyl-B-nortestosterone (SK & F 7690) on the fertilizing ability of spermatozoa in hamsters. Lubicz-Nawrocki CM, et al. *J Reprod Fertil* 34:331-9, Aug 73
- [Regulation of genital function in the dormouse. Effect of gonadotropic hormones on diencephalic monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al. *Ann Endocrinol (Paris)* 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [The teratogenic effect of busulfan on testis cells of the fetal rat] Krause W. *Arzneim Forsch* 23:924-6, Jul 73 (Eng. Abstr.) (Ger)

ENZYMOLGY

- Histochemical localization of delta 5-3 beta-hydroxysteroid dehydrogenase and glucose-6-phosphate dehydrogenase in the testis of Indian skipper frog *Rana cyanophlyctis* (Schneider). Saldapur SK, et al. *Gen Comp Endocrinol* 21:225-30, Oct 73
- Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. Dey SK, et al. *J Reprod Fertil* 34:475-9, Sep 73
- Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al. *Recent Prog Horm Res* 29:65-109, 1973
- [The effect of a spleen dialysate on the rat testis (author's transl)] Breitenacker G, et al. *Urol Int* 28:364-9, 1973 (Eng. Abstr.) (Ger)

METABOLISM

- Biphasic effect of testosterone on spermatogenesis in the rat. Walsh PC, et al. *Invest Urol* 11:190-3, Nov 73
- Histochemical studies on the Leydig-cell-leucine

- aminopeptidase activity in the guinea-pig testis. Dey SK, et al. *J Reprod Fertil* 34:475-9, Sep 73
- Androgen metabolism in rat interstitial tissue and seminiferous tubules. Richards G, et al. *Nature* 244:359-61, 10 Aug 73
- Studies on luteinizing hormone and its subunits: development and application of a radioligand receptor assay and properties of the hormone-receptor interaction. Reichert LE Jr, et al. *Recent Prog Horm Res* 29:497-532, 1973
- [Determination of urinary testosterone in man: a comparison between two methods using gas phase chromatography and competitive protein binding analysis respectively (author's transl)] Littmann KP, et al. *Z Klin Chem Klin Biochem* 11:371-5, Sep 73 (Ger)

PHYSIOPATHOLOGY

- Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al. *Recent Prog Horm Res* 29:65-109, 1973

SERTOLI CELLS

CYTOLOGY

- Fine structure of the Sertoli cell of the testis of the teleost *Oryzias latipes*. Gresik EW, et al. *Gen Comp Endocrinol* 21:341-52, Oct 73

ENZYMOLGY

- Histochemical localization of delta 5-3 beta-hydroxysteroid dehydrogenase and glucose-6-phosphate dehydrogenase in the testis of Indian skipper frog *Rana cyanophlyctis* (Schneider). Saldapur SK, et al. *Gen Comp Endocrinol* 21:225-30, Oct 73

METABOLISM

- Tritiated leucine incorporation by Sertoli cells in scrotal and cryptorchid rat testes. Nagy F. *Fertil Steril* 24:805-10, Oct 73

TESTIS

- Photoreception in the photosexual response of quail. II. Effects of intensity and wavelength. Olshi T, et al. *Am J Physiol* 225:880-6, Oct 73
- Total plasma thyroxine concentrations in horses, pigs, cattle, and sheep: anion exchange resin chromatography and ceric-arsenite colorimetry. Sutherland RL, et al. *Am J Vet Res* 34:1261-5, Oct 73
- Isolation and properties of bovine parvovirus type 1 from Japanese calves. Inaba Y, et al. *Arch Gesamte Virusforsch* 42:54-66, 1973
- Acid phosphatases of rabbit spermatozoa. I. Electrophoretic characterization of the multiple forms of acid phosphatase in rabbit spermatozoa and other semen constituents. Gonzales LW, et al. *Biochim Biophys Acta* 320:166-79, 17 Aug 73
- Proceedings: the survival of transplanted isolated pancreatic islets in the omentum and testis. Ferguson J, et al. *Br J Surg* 60:907, Nov 73
- ⁶⁷Ga scintigraphy in acute leukemia. Milder MS, et al. *Cancer* 32:803-8, Oct 73
- Fertilizing ability of hamster spermatozoa following subcutaneous implantation or insertion into seminal vesicles of silastic tubes containing estradiol benzoate. Lubicz-Nawrocki CM, et al. *Fertil Steril* 24:872-6, Nov 73
- Studies in temperature, human semen quality, and varicocele. Zorniootti AW, et al. *Fertil Steril* 24:854-63, Nov 73
- Increased concentration of anticancer agents in regional lymph nodes by fat emulsions, with special reference to chemotherapy of metastasis. Takahashi T, et al. *Gann* 64:345-50, Aug 73

- Accumulation of carnitine by bovine spermatozoa during maturation in the epididymis. Casillas ER. *J Biol Chem* 248:8227-32, 10 Dec 73
- Derivation and biologic properties of cell lines from ophidian tissues. Orr HC, et al. *J Natl Cancer Inst* 51:827-32, Sep 73
- Effect of testosterone polydimethyl-siloxane implants upon sperm production, libido and accessory sex organ function in rabbits. Ewing LL, et al. *J Reprod Fertil* 35:245-53, Nov 73
- Testosterone levels in the serum and testes of growing rats following prenatal exposure to busulphan. Hall RW, et al. *J Reprod Fertil* 35:131-4, Oct 73
- Autoradiographic detection of diamine inhibition of mammalian sperm maturation. Hunter JD, et al. *J Reprod Fertil* 35:363-7, Nov 73
- Studies on luteinizing hormone and its subunits: development and application of a radioligand receptor assay and properties of the hormone-receptor interaction. Reichert LE Jr, et al. *Recent Prog Horm Res* 29:497-532, 1973
- [The year in endocrinology] Albeaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)

ABNORMALITIES

- The prune belly syndrome. Report of 20 cases and description of a lethal variant. Rogers LW, et al. *J Pediatr* 83:786-93, Nov 73
- Morphine-induced fetal malformations. 3. Possible mechanisms of action. Arcuri PA, et al. *J Pharm Sci* 62:1626-34, Oct 73
- Combined transpyeloureterostomy and ipsilateral pyeloureterostomy and orchiopexy by testicular artery transection: treatment in a case of prune belly syndrome. Ceccarelli FE. *J Urol* 110:596-8, Nov 73
- Bilateral torsion of the appendix testis. Rose MB, et al. *J Urol* 110:408-9, Oct 73
- A sertoli-cell tumor in ectopic testicular tissue. Robinson RR. *Mod Vet Pract* 54:69, Oct 73
- Teratology studies on methylmercury hydroxide and nitrotriacetate sodium in rats. Scharpf LG Jr, et al. *Nature* 241:461-3, 16 Feb 73
- Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Bidlingmaier F, et al. *Pediatr Res* 7:901-7, Nov 73
- Mixed gonadal dysgenesis. Davidoff F, et al. *Pediatrics* 52:725-42, Nov 73
- [Therapy of testicular dysplasia, obstruction of efferent ejaculatory ducts and of varicocele from the andrological viewpoint] Breit R, et al. *Ther Ggw* 112:1088-90 passim, Jul 73 (Ger)

ANALYSIS

- Postnatal study on the histology and histochemistry of mediastinum testis in buffalo (*Bubalus bubalis*) from birth to one year. Goyal HO, et al. *Acta Anat (Basel)* 86:65-70, 1973
- Pyrimidine tracts of the (A + T)-rich satellite DNA from *Cancer pagurus*. Ehrlich SD, et al. *Biochim Biophys Acta* 312:633-6, 27 Jul 73
- Free and sulphate-conjugated 16-unsaturated C19 steroids in human testis tissue. Ruokonen A. *Biochim Biophys Acta* 316:251-5, 23 Aug 73
- Postnatal development of the testis, fighting behavior, and fertility in house mice. McKinney TD, et al. *Biol Reprod* 9:279-94, Oct 73
- Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
- Testosterone concentrations in testes of normal men: effects of testosterone propionate administration. Morse HC, et al. *J Clin Endocrinol Metab* 37:882-6, Dec 73
- Lack of effect of chronic nicotine administration on fatty acid distribution in the liver, testis, and adipose tissue of male Fischer-344 rats. Brindis RG, et al. *J Lipid Res* 14:888-91, Nov 73
- Testosterone levels in the serum and testes of growing rats following prenatal exposure to busulphan. Hall RW, et al. *J Reprod Fertil* 35:131-4, Oct 73
- Effect of age, cryptorchidism and hypophysectomy on cyclic AMP concentration in rat testis. Hollinger MA. *J Reprod Fertil* 35:169-72, Oct 73
- The proteins in fluids from the seminiferous tubules and rete testis of the rat. Koskimies AI, et al. *J Reprod Fertil* 34:433-4, Sep 73
- [Histocytochemical study of mucopolysaccharides] Yamada K.

- Protein Nucleic Acid Enzyme (Tokyo) 17:775-90, Oct 72 (119 ref.) (Jap)
- [Study of the gonadotropic effect in male rats exposed to the action of formaldehyde simultaneously present in the air and water] Guseva VA. *Gig Sanit* 37:102-3, Oct 72 (Rus)

ANATOMY & HISTOLOGY

- Oestrogenic and antifertility effects of chalcone derivatives. Jacob D, et al. *Acta Endocrinol (Kbh)* 74:371-8, Oct 73
- Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica. Alvarez-Buylla R, et al. *Acta Physiol Lat Am* 23:75-82, 1973
- Effects of isolation and grouping on guinea pigs. Hull EM, et al. *Behav Biol* 9:493-7, Oct 73
- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
- Prevalence of chromosome abnormalities among males examined for military service. Zeuthen E, et al. *Clin Genet* 4:422-8, 1973
- Nodisjunction and reduced fertility caused by the tobacco mouse metacentric chromosomes. Cattanaach BM, et al. *Cytogenet Cell Genet* 12:264-87, 1973
- Changes in the canine testes after bilateral vasectomy—an experimental study. Vare AM, et al. *Fertil Steril* 24:793-7, Oct 73
- Connective tissue changes in testes following vasectomy. An experimental study. Joshi KR, et al. *Indian J Med Sci* 27:536-9, Jul 73
- Castration of an Asian elephant, using etorphine anesthesia. Fowler ME, et al. *J Am Vet Med Assoc* 163:539-43, 15 Sep 73
- Effects of cold exposure on growing pigs: growth, body composition and 17-ketosteroids. Hacker RR, et al. *J Anim Sci* 37:739-44, Sep 73
- Seasonal changes in the testicular blood flow of seasonally breeding mammals: dormouse, *Glis glis*, ferret, *Mustella furo*, and fox, *Vulpes vulpes*. Joffe J, et al. *J Reprod Fertil* 34:227-33, Aug 73
- The influence of 17 alpha-methyl-B-nortestosterone (SK & F 7690) on the fertilizing ability of spermatozoa in hamsters. Lubicz-Nawrocki CM, et al. *J Reprod Fertil* 34:331-9, Aug 73
- Effects of antihodies to luteinizing hormone-releasing hormone in the male rabbit and on the rat oestrous cycle. Fraser HM, et al. *Nature* 244:160-1, 20 Jul 73
- Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (65 ref.)
- Effects of vasectomy on endocrine and hepatic function. Easterday JL, et al. *Res Commun Chem Pathol Pharmacol* 6:301-12, Jul 73
- Effect of castration at birth on the ultrastructure of gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinärmed [C]* 2:1-10, Mar 73
- [Sexual cycle of the male hadger (Meles meles L.)] Audy-Relexans MC. *Ann Biol Anim Biochim Biophys* 12:355-66, 1972 (Eng. Abstr.) (Fre)
- [Application of semestrial photoperiodism to *Microcebus murinus* (Miller 1777)] Petter-Rousseaux A. *Ann Biol Anim Biochim Biophys* 12:367-75, 1972 (Eng. Abstr.) (Fre)
- [Clinical findings in testes and fertility prognosis in breeding hulls] Aehnelt E, et al. *Dtsch Tierärztl Wochenschr* 80:293-8, 1 Jul 73 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

- Incision of the external inguinal ring in acute epididymitis. Costas S, et al. *Br J Urol* 45:555-8, Oct 73
- The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al. *Can J Physiol Pharmacol* 51:313-8, May 73
- Investigations into the development of connective tissue in the testicles and pampiniform plexus. Bertolini R. *Folia Morphol (Praha)* 21:175-7, 1973
- Testicular infarction. Purpón I, et al. *Int Surg* 58:740, Oct 73
- A technique for perfusion of rat testes in situ through the internal spermatic arteries. Frederik PM, et al. *J Reprod Fertil* 35:117-21, Oct 73
- Aspects of sperm production in some East African mammals. Glover TD. *J Reprod Fertil* 35:45-53, Oct 73

Seasonal changes in the testicular blood flow of seasonally breeding mammals: dormouse, *Glis glis*, ferret, *Mustella furo*, and fox, *Vulpes vulpes*. Joffe J, et al. *J Reprod Fertil* 34:227-33, Aug 73

Combined transpyeloureterostomy and ipsilateral pyeloureterostomy and orchiopey by testicular artery transection: treatment in a case of prune belly syndrome. Ceccarelli FE. *J Urol* 110:596-8, Nov 73

Letter: Transplantation of interstitial cells of the testis. Boyle PF, et al. *Nature* 245:152-3, 21 Sep 73

[Arterial vascularization of the testicles in the horse] Collin B.

Zentralbl Veterinaermed [C] 2:46-53, Mar 73 (Eng. Abstr.) (Fre)

[On the etiology of impairment of spermatogenesis by varicocele: plasma testosterone levels in the internal spermatic vein (author's transl)] Marberger M, et al. *Urol Int* 28:377-84, 1973 (Eng. Abstr.) (Ger)

CYTOLOGY

Postnatal study on the histology and histochemistry of mediastinum testis in buffalo (*Bubalus bubalis*) from birth to one year. Goyal HO, et al.

Acta Anat (Basel) 86:65-70, 1973

In vitro studies on respiratory and genital strains of IBR-IPV virus. I. Growth studies in cell and organ cultures. Wojciechowski KJ.

Acta Microbiol Pol [B] 5:179-96, 1973

The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. Moon YS, et al. *Am J Anat* 138:253-67, Oct 73

Metabolism of testosterone by preparations from the rat testis. Dorrington JH, et al.

Biochem Biophys Res Commun 54:1425-31, 15 Oct 73

A Golgi apparatus acid phosphatase. Nyquist SE, et al.

Biochim Biophys Acta 315:103-12, 5 Jul 73

In vitro steroidogenesis in feline testes. O R, et al.

Biochim Biophys Acta 316:395-402, 25 Sep 73

Localization of 3-heta hydroxysteroid dehydrogenase in the inner membrane subfraction of rat testis mitochondria. Sulimovici S, et al.

Biochim Biophys Acta 321:27-40, 15 Sep 1973

Postnatal development of the testis, fighting behavior, and fertility in house mice. McKinney TD, et al.

Biol Reprod 9:279-94, Oct 73

Identification of chromosome 9 in human male meiosis.

Page BM. *Cytogenet Cell Genet* 12:254-63, 1973

Analysis of basic proteins during spermatogenesis in the cricket, *Acheta domestica*. Tessier A, et al.

Exp Cell Res 82:103-10, Nov 73

Significance of seminal fructose studies in male infertility. Phadke AM, et al.

Fertil Steril 24:894-903, Nov 73

Changes in the canine testes after bilateral vasectomy—an experimental study. Vare AM, et al.

Fertil Steril 24:793-7, Oct 73

A study of grasshopper meiotic chromosomes by a combination of light and electron microscopic procedures. Cowden RR, et al.

Histochem J 5:225-38, May 73

Effect of pinealectomy and photoperiodism in the reproduction of Indian weaver birds, *Ploceus philippinus*. Balasubramanian KS, et al.

J Exp Zool 185:333-40, Sep 73

Pachytene analysis in a human reciprocal (10;11) translocation. Ferguson-Smith MA, et al.

J Oral Surg 10:282-7, Sep 73

Observations on the fine structure of spermatozoa in the testis and excurrent ducts of the male fowl, *Gallus domesticus*. Tingari MD.

J Reprod Fertil 34:255-65, Aug 73

Ultrastructure of the testis in the teleost *Poecilia latipinna*. Spermogenesis with reference to the intercentriolar lamellated body. Grier HJ.

J Ultrastruct Res 45:82-92, Oct 73

Spermatogenesis in the hologonic testis of the trichuroid nematode, *Capillaria hepatica* (bancroft, 1893). Neill BW, et al.

J Ultrastruct Res 44:210-34, Aug 73

Ultrastructure of the gonadal wall of the sea cucumber, *Leptosynapta clarki* (Echinodermata: Holothuroidea). Atwood DG.

Z Zellforsch Mikrosk Anat 141:319-30, 3 Aug 73

On structural patterns of the lamina propria of human seminiferous tubules. Bustos-Oregón E, et al.

Z Zellforsch Mikrosk Anat 141:413-25, 3 Aug 73

Ultrastructure of Leydig cell paracrystalline inclusions, possibly related to Reinke crystals, in the

normal human testis. Sohval AR, et al.

Z Zellforsch Mikrosk Anat 142:13-28, 27 Aug 73

[Ultrastructural study of testis of *Polycelis tenuis* and *Polycelis nigra* (Planarians). Evolution of male germ cells before spermatogenesis] Franquinet R, et al.

Z Mikrosk Anat Forsch 87:4-22, 1973 (Eng. Abstr.) (Fre)

[Aspects of immunological aggression in the human testis] Isidori A, et al.

Minerva Med 64:2935-9, 28 Jul 73 (Ita)

DRUG EFFECTS

Hormonal properties of

19-nortestosterone-homofarnesate (DA 1979), a new anabolic agent. Coppl G, et al.

Arzneim Forsch 23:907-11, Jul 73

Adverse effects of cadmium on brook trout testis and on in vitro testicular androgen synthesis. Sangalang GB, et al. *Biol Reprod* 9:394-403, Nov 73

The chronic toxicity of hexamethylphosphoramide in rats. Kimbrough RD, et al.

Bull Environ Contam Toxicol 10:225-6, Oct 73

Specific effect of hull seminal ribonuclease (ASRNase) on cell systems in mice. Matoušek J, et al.

Comp Biochem Physiol [A] 46:241-8, 1 Oct 73

Biological responses of the nonhuman primate, chicken, and rat to chlorinated dihenzo-p-dioxin ingestion. Norhack DH, et al.

Environ Health Perspect 5:233-40, Sep 73

A study of grasshopper meiotic chromosomes by a combination of light and electron microscopic procedures. Cowden RR, et al.

Histochem J 5:225-38, May 73

Screening of drugs for genetic effects. Reddi OS, et al.

Indian J Med Res 61:926-35, Jun 73

Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis.

Bergadá C, et al.

J Clin Endocrinol Metab 37:935-43, Dec 73

Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylate cyclase. Koch Y, et al.

J Endocrinol 58:677-8, Sep 73

A study of the androgen receptors in a variety of androgen-sensitive tissues. Malnwarding WI, et al.

J Endocrinol 59:121-39, Oct 73

The effect of abnormal position, scrotal repositioning, and human gonadotropic hormone on the developing puppy testis. Kieseewetter WB, et al.

J Pediatr Surg 8:739-46, Oct 73

Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. Dey SK, et al. *J Reprod Fertil* 34:475-9, Sep 73

Effect of the neonatal administration of a single dose of chlorpromazine on the subsequent sexual development of male mice. Hogarth PJ, et al.

J Reprod Fertil 34:539-41, Sep 73

Biological effects of autoxidized safflower oils. Nakamura M, et al. *Lipids* 8:566-72, Oct 73

Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al.

Recent Prog Horm Res 29:65-109, 1973

Male pseudohermaphroditism in the laboratory Norway rat. Stanley AJ, et al.

Recent Prog Horm Res 29:43-64, 1973

The effects of hypophysectomy and human chorionic gonadotropin administration on the in vitro metabolism of progesterone by the rat testis. Appell RA. *Steroids* 22:351-64, Sep 73

Effect of hypophysectomy and gonadotropin treatment on metabolism of 3H-progesterone by rat testicular tissue. Steinberger E, et al. *Steroids* 22:425-43, Sep 73

Tannic acid-induced alterations in mouse growth and pituitary melanocyte-stimulating hormone activity. Peaslee MH, et al.

Toxicol Appl Pharmacol 25:507-14, Aug 73

[Regulation of genital function in the dormouse. Effect of gonadotropic hormones on diencephalic monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al.

Ann Endocrinol (Paris) 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)

[Evolution of the activity of several endocrine glands in cholesterol fed rabbits (author's transl)] Marqué G, et al.

Ann Endocrinol (Paris) 34:271-81, May-Jun 73 (Fre)

[Cyproterone acetate in normal and interstitial cell tumor grafted rats. Effects on testicular and sexual accessory organs weight and lactate dehydrogenase

- activity and isoenzymes (author's transl)] Callard R, et al.
Biochim Biophys Acta 313:190-201, 20 Jun 73 (Fre)
 [The teratogenic effect of busulfan on testis cells of the fetal rat] Krause W.
Arzneim Forsch 23:924-6, Jul 73 (Eng. Abstr.) (Ger)
 [The effect of a spleen dialysate on the rat testis (author's transl)] Breitenacker G, et al.
Urol Int 28:364-9, 1973 (Eng. Abstr.) (Ger)
 [Histometrical and enzyme histochemical studies from testicular biopsies before and during antiandrogen treatment (author's transl)] Städtler F, et al.
Verh Dtsch Ges Kreislaufforsch 56:580-3, 1972 (Eng. Abstr.) (Ger)
 [Effect of 3-chloro-1,2-propanediol on the tests and seminal vesicles in rats. Histochemical study] Miętkiewski K, et al.
Patol Pol 24:419-29, 1973 (Eng. Abstr.) (Pol)
 [Study of the gonadotropic effect in male rats exposed to the action of formaldehyde simultaneously present in the air and water] Guseva VA.
Gig Sanit 37:102-3, Oct 72 (Rus)
 [Chemical castration of animals] Lipatnikov VF.
Veterinariia 9:82-3, Sep 72 (Rus)

EMBRYOLOGY

- The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. Moon YS, et al. **Am J Anat** 138:253-67, Oct 73
 Mixed gonadal dysgenesis. Davidoff F, et al.
Pediatrics 52:725-42, Nov 73
 Commentary: Disorders of gonadal development. Stempel RS Jr. **Pediatrics** 52:635-6, Nov 73
 Studies on sex differentiation in mammals. Jost A, et al.
Recent Prog Horm Res 29:1-41, 1973 (65 ref.)

ENZYMOLGY

- Postnatal study on the histology and histochemistry of mediastinum testis in buffalo (*Bubalus bubalis*) from birth to one year. Goyal HO, et al.
Acta Anat (Basel) 88:65-70, 1973
 The stereospecificity of D-glucose-6-phosphate: 1L-myo-inositol-1-phosphate cycloaldolase on the hydrogen atoms at C-6. Byun SM, et al.
Biochem Biophys Res Commun 54:961-7, 1 Oct 73
 Further studies of an inactive form of a trypsin-like enzyme in rabbit testes. Meisel S, et al.
Biochem Biophys Res Commun 53:1145-50, 21 Aug 73
 Esterase-2 in *Ephesia künniella*. II. Tissue-specific patterns. Leihenguth F.
Biochem Genet 10:231-42, Nov 73
 The N-acetylhexosaminidase components of the ram testis and epididymis. Bullock S, et al.
Biochem J 133:593-9, Jul 73
 Immunological relationships between proteoglycans of different hydrodynamic size from articular cartilage of foetal and mature pigs. Brandt KD, et al.
Biochim Biophys Acta 320:453-68, 14 Sep 73
 A Golgi apparatus acid phosphatase. Nyquist SE, et al.
Biochim Biophys Acta 315:103-12, 5 Jul 73
 Localization of 3-beta hydroxysteroid dehydrogenase in the inner membrane subfraction of rat testis mitochondria. Sulimovici S, et al.
Biochim Biophys Acta 321:27-40, 15 Sep 1973
 Isolation and identification of proteohyaluronic acid from a cyst of cystic mucoid degeneration. Endo M, et al.
Clin Chim Acta 47:417-24, 14 Sep 73
 A comparative electrophoretic analysis of mammalian pyruvate kinase isozymes. Whittell NM, et al.
Comp Biochem Physiol [B] 46:71-80, 15 Sep 73
 The separation of lactate dehydrogenase X from other lactate dehydrogenase isozymes of mouse testes by affinity chromatography. Spielmann H, et al.
FEBS Lett 35:19-23, 1 Sep 73
 Histochemical localization of delta 5-3 beta-hydroxysteroid dehydrogenase and glucose-6-phosphate dehydrogenase in the testis of Indian skipper frog *Rana cyanophyllotis* (Schneider). Saldapur SK, et al.
Gen Comp Endocrinol 21:225-30, Oct 73
 The purification and properties of beta-galactosidase from bovine testes. Distler JJ, et al.
J Biol Chem 248:6772-80, 10 Oct 73
 Formation in vitro of uridine-5'-(oligosaccharide)-1-pyrophosphates. Jourdan GW, et al. **J Biol Chem** 248:6781-7, 10 Oct 73
 The cytochemical application of new potent inhibitors

- of alkaline phosphatases. Borgers M.
J Histochem Cytochem 21:812-24, Sep 73
 The effect of digestion with *Streptomyces hyaluronidase* upon certain histochemical reactions of hyaluronic acid-containing tissues. Yamada K.
J Histochem Cytochem 21:794-803, Sep 73
 Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. Dey SK, et al. **J Reprod Fertil** 34:475-9, Sep 73
 Effect of age, cryptorchidism and hypophysectomy on cyclic AMP concentration in rat testis. Hollinger MA.
J Reprod Fertil 35:169-72, Oct 73
 Prevention of fertilization in vitro by an acrosin inhibitor from rete testis fluid of the ram. Suominen J, et al. **J Reprod Fertil** 34:385-8, Aug 73
 Effects of vasectomy on endocrine and hepatic function. Easterday JL, et al.
Res Commun Chem Pathol Pharmacol 6:301-12, Jul 73
 [Cyproterone acetate in normal and interstitial cell tumor grafted rats. Effects on testicular and sexual accessory organs weight and lactate dehydrogenase activity and isoenzymes (author's transl)] Callard R, et al.
Biochim Biophys Acta 313:190-201, 20 Jun 73 (Fre)
 [Histometrical and enzyme histochemical studies from testicular biopsies before and during antiandrogen treatment (author's transl)] Städtler F, et al.
Verh Dtsch Ges Kreislaufforsch 56:580-3, 1972 (Eng. Abstr.) (Ger)
 [Effect of 3-chloro-1,2-propanediol on the tests and seminal vesicles in rats. Histochemical study] Miętkiewski K, et al.
Patol Pol 24:419-29, 1973 (Eng. Abstr.) (Pol)

GROWTH & DEVELOPMENT

- Differentiation of the genital ridges of mouse embryos in the kidney of adult mice. Ozdzenski W.
Arch Anat Microsc Morphol Exp 61:267-78, Jul-Sep 72
 Acid phosphatases of rabbit spermatozoa. I. Electrophoretic characterization of the multiple forms of acid phosphatase in rabbit spermatozoa and other semen constituents. Gonzales LW, et al.
Biochim Biophys Acta 320:166-79, 17 Aug 73
 Postnatal development of the testis, fighting behavior, and fertility in house mice. McKinney TD, et al.
Biol Reprod 9:279-94, Oct 73
 Investigations into the development of connective tissue in the testicles and pampiniform plexus. Bertolini R. **Folia Morphol (Praha)** 21:175-7, 1973
 A sex-linked gene controlling gonadotrop differentiation and its significance in determining the age of sexual maturation and size of the platyfish, *Xiphophorus maculatus*. Kallman KD, et al.
Gen Comp Endocrinol 21:287-304, Oct 73
 The effect of abnormal position, scrotal repositioning, and human gonadotropic hormone on the developing puppy testis. Kiesewetter WB, et al.
J Pediatr Surg 8:739-46, Oct 73
 Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. Tsang WN, et al. **J Reprod Fertil** 34:513-7, Sep 73
 Letter: Effects of light intensity, wavelength and quanta on gonads and spleen of the deer mouse. Vriend J, et al. **Nature** 244:37-8, 6 Jul 73
 [Application of semestrial photoperiodism to *Microtus murinus* (Miller 1777)] Petter-Rousseaux A.
Ann Biol Anim Biochim Biophys 12:367-75, 1972 (Eng. Abstr.) (Fre)

IMMUNOLOGY

- Reparatory effect of exogenous testosterone on the expression of male-specific antigen (MSA) in neonatally orchiectomized males and failure to induce MSA in females submitted to a similar testosterone regimen. Poláčková M, et al.
Folia Biol (Praha) 19:281-8, 1973
 Effects of antihodies to luteinizing hormone-releasing hormone in the male rabbit and on the rat oestrous cycle. Fraser HM, et al. **Nature** 244:160-1, 20 Jul 73
 [Aspects of immunological aggression in the human testis] Isidori A, et al.
Minerva Med 64:2935-9, 28 Jul 73 (Ita)

METABOLISM

- Letter: Testosterone 3H metabolism by urogenital

- structures of 10-day-old chick embryos. Galli FE, et al. *Acta Physiol Lat Am* 23:148-51, 1973
- Proceedings: Testicular function tests: an integrated approach. Hamilton W. *Arch Dis Child* 48:831-2, Oct 73
- Sulpholipid labelling from (35S)-sulphate by various rat tissues in vitro. Pritchard ET. *Arch Oral Biol* 18:1337-40, Oct 73
- Studies on cholesterol metabolism in rats by application of D2O and mass spectrometry. Peng SK, et al. *Atherosclerosis* 18:197-213, Sep-Oct 73
- Metabolism of testosterone by preparations from the rat testis. Dorrington JH, et al. *Biochem Biophys Res Commun* 54:1425-31, 15 Oct 73
- In vitro steroidogenesis in feline testes. O R, et al. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
- Postnatal development of the testis, fighting behavior, and fertility in house mice. McKinney TD, et al. *Biol Reprod* 9:279-94, Oct 73
- Intermale stimuli and testicular function in adult and immature house mice. McKinney TD, et al. *Biol Reprod* 9:370-8, Nov 73
- Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
- The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al. *Can J Physiol Pharmacol* 51:313-8, May 73
- Specific effect of bull seminal ribonuclease (ASRNase) on cell systems in mice. Matousek J, et al. *Comp Biochem Physiol [A]* 46:241-8, 1 Oct 73
- Tritiated leucine incorporation by Sertoli cells in scrotal and cryptorchid rat testes. Nagy F. *Fertil Steril* 24:805-10, Oct 73
- Characteristics of a soluble gonadotropin receptor from the rat testis. Dufau ML, et al. *J Biol Chem* 248:6973-82, 25 Oct 73
- The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73
- Role of the kidney in the metabolism of luteinizing hormone. De Kretser DM, et al. *J Endocrinol* 58:425-34, Sep 73
- Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:463-75, Sep 73
- Conversion of (4-14C)5 alpha-pregnane-3, 20-dione to 5 alpha-C19-steroids by the prepubertal rat testis. Richards G, et al. *J Endocrinol* 59:185-6, Oct 73
- Effect of antioxidants and nutrients on lipid peroxidation fluorescent products and aging parameters in the mouse. Tappel A, et al. *J Gerontol* 28:415-24, Oct 73
- Lack of effect of chronic nicotine administration on fatty acid distribution in the liver, testis, and adipose tissue of male Fischer-344 rats. Brindis RG, et al. *J Lipid Res* 14:688-91, Nov 73
- Metabolism of Mercurascan-203Hg by rats and dogs. Dreyfuss J, et al. *J Nucl Biol Med* 17:43-50, Apr-Jun 73
- Inositol deficiency in gerbils: dietary effects on the intestinal lipodystrophy. Kroes JF, et al. *J Nutr* 103:1448-53, Oct 73
- Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. Tsang WN, et al. *J Reprod Fertil* 34:513-7, Sep 73
- Sperm granulomas: an adverse effect of vasectomy. Kwart AM, et al. *J Urol* 110:416-22, Oct 73
- Androgen metabolism in rat interstitial tissue and seminiferous tubules. Richards G, et al. *Nature* 244:359-61, 10 Aug 73
- Multiple antigenic and biological determinants of human FSH and its subunits. Rabinowitz D, et al. *Nature [New Biol]* 245:245-7, 24 Oct 73
- 11C distribution in dogs visualized in situ after intravenous 11C-cyanide in high specific activity. Myers WG, et al. *Nucl Med (Stuttg)* 12:154-62, 31 Aug 73
- The binding of polonium-210 to rat tissues. Lanzola EE, et al. *Radiat Res* 56:370-84, Nov 73
- Some effects of lifetime parental exposure to low levels of tritium on the F2 generation. Laskey JW, et al. *Radiat Res* 56:171-9, Oct 73
- Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al. *Recent Prog Horm Res* 29:65-109, 1973
- Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (65 ref.)
- Letter: Vasectomy: long-term effects. Alexander NJ. *Science* 182:946-7, 20 Nov 73

- The effects of hypophysectomy and human chorionic gonadotropin administration on the in vitro metabolism of progesterone by the rat testis. Appell RA. *Steroids* 22:351-64, Sep 73
- Effect of hypophysectomy and gonadotropin treatment on metabolism of 3H-progesterone by rat testicular tissue. Steinberger E, et al. *Steroids* 22:425-43, Sep 73
- [The effect of a spleen dialysate on the rat testis (author's transl)] Breitenacker G, et al. *Urol Int* 28:364-9, 1973. (Eng. Abstr.) (Ger)
- [Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. *Urol Int* 28:360-3, 1973. (Eng. Abstr.) (Ger)
- [Change in the nitrogen content of extractable substances in the liver and gonads of Baltic cod in relation to processes of ova- and spermatogenesis] Maslennikova NV. *Biol Nauki* 10:43-7, 1973 (Rus)

MICROBIOLOGY

- Pathogenesis of epididymitis caused by *Brucella ovis* in laboratory animals. Cuba-Capardó A, et al. *Am J Vet Res* 34:1077-85, Aug 73
- Reproductive deficiency of NZB male mice. Possibility of a viral basis. Fernandes G, et al. *Lab Invest* 29:278-81, Sep 73

PATHOLOGY

- Liver damage induced by lanthanum trichloride. Kádas I, et al. *Acta Morphol Acad Sci Hung* 21:27-37, 1973
- Pathology of the testis and epididymis in the late phase of experimental Chagas's disease. Ferreira AL, et al. *Am J Trop Med Hyg* 22:699-704, Nov 73
- Pathogenesis of epididymitis caused by *Brucella ovis* in laboratory animals. Cuba-Capardó A, et al. *Am J Vet Res* 34:1077-85, Aug 73
- A survey of the genitalia of bulls in Northern Australia. Ladds PW, et al. *Aust Vet J* 49:335-40, Jul 73
- Adverse effects of cadmium on brook trout testis and on in vitro testicular androgen synthesis. Sangalang GB, et al. *Biol Reprod* 9:394-403, Nov 73
- Development of a testicular tumour during cisclomiphene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73
- Presumptive fluorescent evidence for spermatocyte with X+Y+Y diakinesis univalents in an XYY male. Luciani JM, et al. *Clin Genet* 4:415-6, 1973
- Histopathology of the early cryoslesion in rabbit testis. Zapfel E. *Cryobiology* 10:225-32, Aug 73
- Tritiated leucine incorporation by Sertoli cells in scrotal and cryptorchid rat testes. Nagy F. *Fertil Steril* 24:805-10, Oct 73
- Significance of seminal fructose studies in male infertility. Phadke AM, et al. *Fertil Steril* 24:894-903, Nov 73
- Smallpox as an etiologic factor in male infertility. Phadke AM, et al. *Fertil Steril* 24:802-4, Oct 73
- Studies in temperature, human semen quality, and varicocele. Zorngiottl AW, et al. *Fertil Steril* 24:854-63, Nov 73
- Connective tissue changes in testes following vasectomy. An experimental study. Joshi KR, et al. *Indian J Med Sci* 27:536-9, Jul 73
- Visceral lesions in lepromatous leprosy. Study of sixty necropsies. Bernard JC, et al. *Int J Lepr* 41:94-101, Jan-Mar 73
- Testicular infarction. Purpón I, et al. *Int Surg* 58:740, Oct 73
- Bi-phasic effect of testosterone on spermatogenesis in the rat. Walsh PC, et al. *Invest Urol* 11:190-3, Nov 73
- Cadmium-induced Leydig cell tumors of rat testis: morphologic and cytochemical study. Reddy J, et al. *J Natl Cancer Inst* 51:891-903, Sep 73
- The effect of abnormal position, scrotal repositioning, and human gonadotropic hormone on the developing puppy testis. Klesewetter WB, et al. *J Pediatr Surg* 8:739-46, Oct 73
- Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73
- Chemotherapy of testicular germinal tumors. Du Priest RW Jr, et al. *Oncology* 28:147-63, 1973
- Male pseudohermaphroditism in the laboratory Norway rat. Stanley AJ, et al. *Recent Prog Horm Res* 29:43-64, 1973
- Letter: Vasectomy: long-term effects. Alexander NJ. *Science* 182:946-7, 20 Nov 73
- Urogenital and ocular lesions in canine blastomycosis. Wilson RW, et al. *Vet Pathol* 10:1-11, 1973
- On structural patterns of the lamina propria of human

- seminiferous tubules. Bustos-Obrégón E, et al. *Z Zellforsch Mikrosk Anat* 141:413-25, 3 Aug 73
- [The teratogenic effect of busulfan on testis cells of the fetal rat] Krause W. *Arzneim Forsch* 23:924-6, Jul 73 (Eng. Abstr.) (Ger)
- [Histometrical and enzyme histochemical studies from testicular biopsies before and during antiandrogen treatment (author's transl)] Städtler F, et al. *Verh Dtsch Ges Krebsforsch* 56:580-3, 1972 (Eng. Abstr.) (Ger)
- [Effect of 3-chloro-1,2-propanediol on the tests and seminal vesicles in rats. Histochemical study] Miękiewicz K, et al. *Patol Pol* 24:419-29, 1973 (Eng. Abstr.) (Pol)

PHYSIOLOGY

- The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. Moon YS, et al. *Am J Anat* 138:253-67, Oct 73
- Proceedings: Testicular function tests: an integrated approach. Hamilton W. *Arch Dis Child* 48:831-2, Oct 73
- Metabolic studies of purine metabolism in the pig during the oral administration of guanine and allopurinol. Simmonds HA, et al. *Biochem Pharmacol* 22:2537-51, 15 Oct 73
- Postnatal development of the testis, fighting behavior, and fertility in house mice. McKinney TD, et al. *Biol Reprod* 9:279-94, Oct 73
- Intermale stimuli and testicular function in adult and immature house mice. McKinney TD, et al. *Biol Reprod* 9:370-8, Nov 73
- Neonatal gonadal hormone manipulation and emotionality following septal lesions in weanling rats. Phillips AG, et al. *Brain Res* 60:55-64, 28 Sep 73
- Effects of gonadal steroids upon brain 5-hydroxytryptamine levels in the neonatal rat. Glulian D, et al. *Endocrinology* 93:1329-35, Dec 73
- Gonadal hormones and thyroid function in the spotted muntia, *Lonchura punctulata*. Chandoia A, et al. *Gen Comp Endocrinol* 21:305-13, Oct 73
- Androgen production by testes of Gallus domesticus during postembryonic development. Galli FE, et al. *Gen Comp Endocrinol* 21:262-6, Oct 73
- Effects of gonadal hormones on the flank gland of the golden hamster. Vandenbergh JG. *Horm Res* 4:28-33, 1973
- The effect of gonadectomy and hormone administration on the urinary bladder carcinogenicity of N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide in male and female Swiss mice. Yosbida O, et al. *Invest Urol* 11:216-20, Nov 73
- Maturation of spermatozoa in the rabbit epididymis: effect of castration and testosterone replacement. Orgebin-Crist MC. *J Exp Zool* 185:301-10, Sep 73
- Epididymal and testicular temperature in the unrestrained conscious rat. Brooks DE. *J Reprod Fertil* 35:157-60, Oct 73
- The influence of the testis on the survival of spermatozoa in the epididymis of the golden hamster, *Mesocricetus auratus*. Lubicz-Nawrocki CM, et al. *J Reprod Fertil* 34:315-29, Aug 73
- Spermatogenesis in the bologonic testis of the trichuroid nematode, *Capillaria hepatica* (baneroff, 1893). Neill BW, et al. *J Ultrastruct Res* 44:270-34, Aug 73
- Letter: Effects of light intensity, wavelength and quanta on gonads and spleen of the deer mouse. Vriend J, et al. *Nature* 244:37-8, 6 Jul 73
- Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. Daniels-Severs A, et al. *Pharmacology* 9:348-56, 1973
- The effects of gonadectomy on the sex differences in dietary self-selection patterns and carcass compositions of rats. Lesbner AI, et al. *Physiol Behav* 11:671-6, Nov 73
- Effect of estradiol on the response to LH-RH in male rats at different times after castration. Debeljuk L, et al. *Proc Soc Exp Biol Med* 143:1164-7, Sep 73
- Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (65 ref.)
- Effects of vasectomy on endocrine and hepatic function. Easterday JL, et al. *Res Commun Chem Pathol Pharmacol* 6:301-12, Jul 73
- The effects of dibutyryl cyclic AMP on the hepatic mixed function oxidase system in hormonally altered rats. Ross WE, et al. *Res Commun Chem Pathol Pharmacol* 6:541-9, Sep 73
- Effect of castration at birth on the ultrastructure of

- gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinärmed [C]* 2:1-10, Mar 73
- [Sexual cycle of the male badger (*Meles meles* L.)] Audy-Relexans MC. *Ann Biol Anim Biochim Biophys* 12:355-66, 1972 (Eng. Abstr.) (Fre)
- [Application of semestrial photoperiodism to *Microcebus murinus* (Miller 1777)] Petter-Rousseaux A. *Ann Biol Anim Biochim Biophys* 12:367-75, 1972 (Eng. Abstr.) (Fre)
- [Regulation of genital function in the dormouse. Effect of gonadotropic hormones on diencephalic monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al. *Ann Endocrinol (Paris)* 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Pituitary-gonad parabiosis, in teleosts organ culture (author's transl)] Remacle C. *Ann Endocrinol (Paris)* 34:303-7, May-Jun 73 (Eng. Abstr.) (Fre)
- [The LH and FSH output in artificial cryptorchidism (author's transl)] Altweln JE, et al. *Urol Int* 28:370-6, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Effect of starvation on gonadotropin secretion in intact and castrated male rats. Howland BE, et al. *Can J Physiol Pharmacol* 51:759-62, Oct 73
- The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73
- Study of the pituitary-testicular axis in hypothyroid adult male rats. Vilchez-Martinez JA. *J Reprod Fertil* 35:123-6, Oct 73
- Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. *J Urol* 110:410-2, Oct 73
- [Evolution of the activity of several endocrine glands in cholesterol fed rabbits (author's transl)] Marqué G, et al. *Ann Endocrinol (Paris)* 34:271-81, May-Jun 73 (Fre)
- [On the etiology of impairment of spermatogenesis by varicocele: plasma testosterone levels in the internal spermatic vein (author's transl)] Marberger M, et al. *Urol Int* 28:377-84, 1973 (Eng. Abstr.) (Ger)

RADIATION EFFECTS

- Postnatal growth in prenatally irradiated rats. II. Exposure rate effects on the adrenal, pituitary, lung, heart and testes. Martin PG. *Growth* 37:165-75, Jun 73
- Some effects of lifetime parental exposure to low levels of tritium on the F2 generation. Laskey JW, et al. *Radiat Res* 56:171-9, Oct 73

SECRETION

- Biological evidence for androgen secretion by the early fetal pig testes in organ culture. Moon YS, et al. *Biol Reprod* 9:330-7, Nov 73
- A sex-linked gene controlling gonadotrop differentiation and its significance in determining the age of sexual maturation and size of the platyfish, *Xiphophorus maculatus*. Kallman KD, et al. *Gen Comp Endocrinol* 21:287-304, Oct 73
- Role of gonadal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). Silver R, et al. *J Comp Physiol Psychol* 84:464-71, Sep 73

SURGERY

- Hypocalcemia associated with metastatic bone disease. A retrospective study. Raskin P, et al. *Arch Intern Med* 132:539-43, Oct 73
- Reparatory effect of exogenous testosterone on the expression of male-specific antigen (MSA) in neonatally orchietomized males and failure to induce MSA in females submitted to a similar testosterone regimen. Poláčeková M, et al. *Folia Biol (Praha)* 19:281-8, 1973
- The effect of abnormal position, scrotal repositioning, and human gonadotropic hormone on the developing puppy testis. Klesewetter WB, et al. *J Pediatr Surg* 8:739-46, Oct 73

TRANSPLANTATION

- Infertility in female guinea pigs injected with testis. Kiddy CA, et al. *Biol Reprod* 8:545-9, Jun 73

TESTIS

GONADS

Letter: Transplantation of interstitial cells of the testis. Boyle PF, et al. *Nature* 245:152-3, 21 Sep 73
Transplantation of testicular homogenates in the mouse with survival and function of interstitial cells. Boyle PF, et al. *Transplantation* 16:670-2, Dec 73
[Organ transplantation in small laboratory animals] Kirpatovskii ID, et al.
Vestn Akad Med Nauk SSSR 28:89-93, 1973 (44 ref.)
(Eng. Abstr.) (Rus)

GONADS

11. Disorders of the Gonads

ARRHENOBLASTOMA

DIAGNOSIS

[Mesonephroid (or clear cell) tumors of the ovary. Clinico-anatomical study of 12 cases] Genton C. *Schweiz Med Wochenschr* 103:1093-8, 4 Aug 73 (Eng. Abstr.) (Fre)

PATHOLOGY

[Mesonephroid (or clear cell) tumors of the ovary. Clinico-anatomical study of 12 cases] Genton C. *Schweiz Med Wochenschr* 103:1093-8, 4 Aug 73 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73

SURGERY

Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73

BRENNER TUMOR

DIAGNOSIS

The malignant Brenner tumor. Hull MG, et al. *Obstet Gynecol* 42:527-34, Oct 73

PATHOLOGY

Malignant Brenner tumor--a case report. Toriumi J, et al. *Acta Pathol Jap* 23:121-8, Feb 73
The malignant Brenner tumor. Hull MG, et al. *Obstet Gynecol* 42:527-34, Oct 73

SURGERY

Malignant Brenner tumor--a case report. Toriumi J, et al. *Acta Pathol Jap* 23:121-8, Feb 73

CORPUS LUTEUM CYST

PATHOLOGY

[Histomorphological examination of involution of cystic ovine corpora lutea after the 21st day of the cycle] Horstmann G, et al. *Zentralbl Veterinärmed [C]* 2:136-46, Jun 73 (Eng. Abstr.) (Ger)

SURGERY

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC. *Trans Pac Coast Obstet Gynecol Soc* 40:104-10, 1973

VETERINARY

[Histomorphological examination of involution of cystic ovine corpora lutea after the 21st day of the cycle] Horstmann G, et al. *Zentralbl Veterinärmed [C]* 2:136-46, Jun 73 (Eng. Abstr.) (Ger)

CRYPTORCHISM

Mixed gonadal dysgenesis. Davidoff F, et al. *Pediatrics* 52:725-42, Nov 73
[Mega-ureter and aplasia of the erectile bodies (author's transl)] Chatelain C, et al.

J Urol Nephrol (Paris) 79:385-96, Jun 73 (Eng. Abstr.) (Fre)

COMPLICATIONS

Herniography: a diagnostic refinement in the management of cryptorchidism. White JJ, et al. *Am Surg* 39:624-9, Nov 73
Abdominoscrotal hydrocele. Tanga MR, et al. *Br J Surg* 60:834-6, Oct 73
Intersexual problems. Money J. *Clin Obstet Gynecol* 18:169-91, Sep 73
The prune belly syndrome. Report of 20 cases and description of a lethal variant. Rogers LW, et al. *J Pediatr* 83:786-93, Nov 73
Current therapy for undescended testicle. Rationale for treatment between ages four and five. Smith AM, et al. *NY State J Med* 73:2552-60, 1 Nov 73
[The childless marriage: male sterility] Dhoni G, et al. *Fortschr Med* 91:1069-72, 27 Sep 73 (Ger)
[Cryptorchism as a cause of ileus] Dąbek T, et al. *Wlad Lek* 26:1843-4, 1 Oct 73 (Pol)
[Hydrocele of abnormally retained testis] Záhori J. *Rozhl Chir* 52:559-62, Aug 73 (Eng. Abstr.) (Slo)

DIAGNOSIS

Herniography: a diagnostic refinement in the management of cryptorchidism. White JJ, et al. *Am Surg* 39:624-9, Nov 73

DRUG THERAPY

Current therapy for undescended testicle. Rationale for treatment between ages four and five. Smith AM, et al. *NY State J Med* 73:2552-60, 1 Nov 73
[Surgery of undescended testis (author's transl)] Leithe J. *Med Klin* 68:1195-8, 14 Sep 73 (Eng. Abstr.) (Ger)

ENZYMOLGY

Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. Dey SK, et al. *J Reprod Fertil* 34:475-9, Sep 73

ETIOLOGY

Current therapy for undescended testicle. Rationale for treatment between ages four and five. Smith AM, et al. *NY State J Med* 73:2552-60, 1 Nov 73

METABOLISM

Tritiated leucine incorporation by Sertoli cells in scrotal and cryptorchid rat testes. Nagy F. *Fertil Steril* 24:805-10, Oct 73
Effect of age, cryptorchidism and hypophysectomy on cyclic AMP concentration in rat testis. Hollinger MA. *J Reprod Fertil* 35:169-72, Oct 73
[The effect of a spleen dialysate on the rat testis (author's transl)] Breitenacker G, et al. *Urol Int* 28:364-9, 1973 (Eng. Abstr.) (Ger)

PATHOLOGY

Tritiated leucine incorporation by Sertoli cells in scrotal and cryptorchid rat testes. Nagy F. *Fertil Steril* 24:805-10, Oct 73
Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis. Bergada C, et al. *J Clin Endocrinol Metab* 37:935-43, Dec 73
[Urinary abnormalities and agenesis of the muscles of the abdominal wall. "Prune-belly" syndrome (author's transl)] Marc J, et al. *J Radiol Electrol Med Nucl* 54:379-82, May 73 (Fre)

CRYPTORCHISM

PHYSIOPATHOLOGY

Current therapy for undescended testicle. Rationale for treatment between ages four and five. Smith AM, et al. *NY State J Med* 73:2552-60, 1 Nov 73
[The LH and FSH output in artificial cryptorchidism (author's transl)] Altwein JE, et al.
Urol Int 28:370-6, 1973 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Herniography: a diagnostic refinement in the management of cryptorchidism. White JJ, et al.
Am Surg 39:624-9, Nov 73

SURGERY

Herniography: a diagnostic refinement in the management of cryptorchidism. White JJ, et al.
Am Surg 39:624-9, Nov 73
The effect of abnormal position, scrotal repositioning, and human gonadotropic hormone on the developing puppy testis. Klesewetter WB, et al.
J Pediatr Surg 8:739-46, Oct 73
Combined transpyeloureterostomy and ipsilateral pyeloureterostomy and orchiopexy by testicular artery transection: treatment in a case of prune belly syndrome. Ceccarelli FE. *J Urol* 110:596-8, Nov 73
Current therapy for undescended testicle. Rationale for treatment between ages four and five. Smith AM, et al. *NY State J Med* 73:2552-60, 1 Nov 73
[Surgery of undescended testis (author's transl)] Lelthe J.
Med Klin 68:1195-8, 14 Sep 73 (Eng. Abstr.) (Ger)
[Therapy of testicular dystopia, obstruction of efferent ejaculatory ducts and of varicocele from the andrological viewpoint] Brell R, et al.
Ther Ggw 112:1088-90 passim, Jul 73 (Ger)
[Cryptorchism as a cause of ileus] Dąbek T, et al.
Wiad Lek 26:1843-4, 1 Oct 73 (Pol)

THERAPY

Current therapy for undescended testicle. Rationale for treatment between ages four and five. Smith AM, et al. *NY State J Med* 73:2552-60, 1 Nov 73

URINE

[Antigonadotropins and gonadotropins in some endocrine disorders of the male genitalia] Kolarov P, et al. *Vutr Boles* 12:6-10, 1973 (Eng. Abstr.) (Bul)

DISGERMINOMA

Ovarian carcinoma: pathology, staging, grading, and prognosis. Sommers SC, et al.
Bull NY Acad Med 49:858-69, Oct 73
Testicular tumors in infants and children. Smith JP.
Urology 2:353-60, 4 Oct 73

CHEMICALLY INDUCED

Development of a testicular tumour during cisclomiphene therapy. Reyes FI, et al.
Can Med Assoc J 109:502-3 passim, 15 Sep 73

COMPLICATIONS

Essential hypernatremia, absence of thirst, hypopituitarism, and hypothalamic destruction due to a dysgerminoma. Acquatella H, et al.
Acta Neurol Lat Am 18:176-85, Apr-Jun 72
Abdominoscrotal hydrocele. Tanga MR, et al.
Br J Surg 60:834-6, Oct 73
An electron-microscope study of a dysgenetic gonad containing a focus of apparent gonadoblastoma. Cummins PA, et al. *J Pathol* 110:plv, Jul 73

DIAGNOSIS

Bilateral simultaneous seminoma of the testicles: a case report. McLean PA, et al.
J Ir Med Assoc 66:514-5, 29 Sep 73
Testicular tumors in infants and children. Smith JP.
Urology 2:353-60, 4 Oct 73

GONADS

DRUG THERAPY

Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73

ENZYMOMOLOGY

Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al.
J Neurol Neurosurg Psychiatry 38:864-73, Oct 73

FAMILIAL & GENETIC

High chromosome numbers of seminomata and malignant teratomata of the testis: a review of data on 103 tumours. Atkin NB. *Br J Cancer* 28:275-9, Sep 73

MORTALITY

Ovarian cancers in the young. Epidemiologic observations. Li FP, et al. *Cancer* 32:969-72, Oct 73
Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73
Chemotherapy of testicular germinal tumors. Du Priest RW Jr, et al. *Oncology* 28:147-63, 1973
Testicular tumors in infants and children. Smith JP.
Urology 2:353-60, 4 Oct 73

OCCURRENCE

The epidemiologic pathology of ovarian cancer. Berg JW, et al. *Hum Pathol* 4:537-47, Dec 73

PATHOLOGY

Primary intracranial germ cell tumours. Jellinger K. *Acta Neuropathol (Berl)* 25:291-306, 1973
Abdominoscrotal hydrocele. Tanga MR, et al.
Br J Surg 60:834-6, Oct 73
Development of a testicular tumour during cisclomiphene therapy. Reyes FI, et al.
Can Med Assoc J 109:502-3 passim, 15 Sep 73
Bilateral simultaneous seminoma of the testicles: a case report. McLean PA, et al.
J Ir Med Assoc 66:514-5, 29 Sep 73
An electron-microscope study of a dysgenetic gonad containing a focus of apparent gonadoblastoma. Cummins PA, et al. *J Pathol* 110:plv, Jul 73
Chemotherapy of testicular germinal tumors. Du Priest RW Jr, et al. *Oncology* 28:147-63, 1973
Bilateral successive testicular cancer of different cell type. Farivar A, et al. *Urology* 2:458-9, 4 Oct 73

RADIOTHERAPY

Primary intracranial germ cell tumours. Jellinger K. *Acta Neuropathol (Berl)* 25:291-306, 1973
Effects of anti-cancer agents on immunological status. Campbell AC, et al. *Br J Cancer* 254-61, Aug 73
Fertility after unilateral orchidectomy and radiotherapy for patients with malignant tumours of the testis. Smithers DW, et al.
Br Med J 4:77-9, 13 Oct 73
Development of a testicular tumour during cisclomiphene therapy. Reyes FI, et al.
Can Med Assoc J 109:502-3 passim, 15 Sep 73
Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73
Bilateral successive testicular cancer of different cell type. Farivar A, et al. *Urology* 2:458-9, 4 Oct 73
[Infertility in unilateral testicular cancer. Testicular neoplasms, orchietomy, chemotherapy, sterility following irradiation or because of irradiation?] Haubrich R, et al.
Strahlentherapie 146:94-103, Jul 73 (Eng. Abstr.) (Ger)

SURGERY

Fertility after unilateral orchidectomy and radiotherapy for patients with malignant tumours of the testis. Smithers DW, et al.
Br Med J 4:77-9, 13 Oct 73
Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73
Bilateral successive testicular cancer of different cell type. Farivar A, et al. *Urology* 2:458-9, 4 Oct 73
[Infertility in unilateral testicular cancer. Testicular neoplasms, orchietomy, chemotherapy, sterility

GONADS

HYPOGONADISM

following irradiation or because of irradiation?]
Hauhrich R, et al.
Strahlentherapie 146:94-103, Jul 73 (Eng. Abstr.)
(Ger)

THERAPY

Testicular tumors in infants and children. Smith JP.
Urology 2:353-60, 4 Oct 73

EUNUCHISM

BLOOD

Responses of serum luteinizing hormone and follicle-stimulating hormone levels to synthetic luteinizing hormone-releasing hormone (LH-RH) in various forms of testicular disorders. Isurugi K, et al.
J Clin Endocrinol Metab 37:533-9, Oct 73

COMPLICATIONS

Pituitary gigantism. A case report and review. Haigler ED Jr, et al. Arch Intern Med 132:588-94, Oct 73

FAMILIAL & GENETIC

The XY gonadal agenesis syndrome. Sarto GE, et al.
J Oral Surg 10:288-93, Sep 73

PHYSIOPATHOLOGY

Manual and oral stereognosis in children with cleft palate, gonadal dysgenesis, pseudohypoparathyroidism, oral facial digital syndrome and Kallman's syndrome. Catalanotto FA, et al. Arch Oral Biol 18:1227-32, Oct 73

GONADS

ABNORMALITIES

The XY gonadal agenesis syndrome. Sarto GE, et al.
J Oral Surg 10:288-93, Sep 73
[Clinical and cytogenetic correlations in Turner's syndrome] Walbaum R.
Lille Med 18:438-50, Apr 73 (Fre)

GRANULOSA CELL TUMOR

Ovarian carcinoma: pathology, staging, grading, and prognosis. Sommers SC, et al.
Bull NY Acad Med 49:858-69, Oct 73

CHEMICALLY INDUCED

Proliferative and neoplastic changes in the ovaries of hamsters treated with 131-iodine and methylthiouracil. Christov K, et al.
Neoplasma 20:511-6, May 73
[Experiments on malignant transformation of hyperplasogenic tumours ("splenic ovary") in rats (author's transl)] Hilfrich J, et al.
Verh Dtsch Ges Kreislafforsch 56:532-5, 1972 (Eng. Abstr.) (Ger)

COMPLICATIONS

[Association of theca-granulosa ovarian tumor with carcinomas of the endometrium and breast] De la Torre A, et al.
Gynecol Obstet Mex 28:159-64, Aug 73 (Eng. Abstr.) (Spa)

IMMUNOLOGY

An immunologic comparison between serous cystadenocarcinoma of the ovary and other human gynecologic tumors. Bhattacharya M, et al.
Am J Obstet Gynecol 117:849-53, 15 Nov 73

MORTALITY

Ovarian cancers in the young. Epidemiologic observations. Li FP, et al. Cancer 32:969-72, Oct 73

PATHOLOGY

Granulosa cell tumor of the ovary in a 7-year-old female with late (12-year) lung metastasis. A case report and

discussion. McCann EC, et al.
J Maine Med Assoc 64:201-3, Sep 73
[Experiments on malignant transformation of hyperplasogenic tumours ("splenic ovary") in rats (author's transl)] Hilfrich J, et al.
Verh Dtsch Ges Kreislafforsch 56:532-5, 1972 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Granulosa and thecal tumors of the ovary] Verhaeghe M, et al. Lille Med 18:609-19, Jun-Jul 73 (Fre)

RADIOTHERAPY

Granulosa cell tumor of the ovary in a 7-year-old female with late (12-year) lung metastasis. A case report and discussion. McCann EC, et al.
J Maine Med Assoc 64:201-3, Sep 73

SURGERY

Granulosa cell tumor of the ovary in a 7-year-old female with late (12-year) lung metastasis. A case report and discussion. McCann EC, et al.
J Maine Med Assoc 64:201-3, Sep 73
[Granulosa and thecal tumors of the ovary] Verhaeghe M, et al. Lille Med 18:609-19, Jun-Jul 73 (Fre)

GYNANDROBLASTOMA

COMPLICATIONS

Ovarian gynandroblastoma presenting with primary amenorrhea. Mahran M, et al. Int Surg 58:643-5, Sep 73

PATHOLOGY

Ovarian gynandroblastoma presenting with primary amenorrhea. Mahran M, et al. Int Surg 58:643-5, Sep 73

HERMAPHRODITISM

Letter: Terminology of hermaphroditism. Evrard JR.
Obstet Gynecol 42:794, Nov 73
A white hermaphrodite in South Africa. Grace HJ, et al.
S Afr Med J 47:1553-4, 1 Sep 73

CHEMICALLY INDUCED

Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al.
Am J Vet Res 34:1409-19, Nov 73

COMPLICATIONS

Intersexual problems. Money J.
Clin Obstet Gynecol 16:169-91, Sep 73

DIAGNOSIS

Laparoscopy in infants and adolescents. Cognat M, et al.
Obstet Gynecol 42:515-21, Oct 73

FAMILIAL & GENETIC

A white hermaphrodite in South Africa. Grace HJ, et al.
S Afr Med J 47:1553-4, 1 Sep 73

PATHOLOGY

A white hermaphrodite in South Africa. Grace HJ, et al.
S Afr Med J 47:1553-4, 1 Sep 73

VETERINARY

Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al.
Am J Vet Res 34:1409-19, Nov 73

HYPOGONADISM

[Delayed puberty and hypogonadism in boys] Aarskog D.
Tidsskr Nor Laegeforen 93:1012-7, 20 May 73 (Eng. Abstr.) (Nor)

CLASSIFICATION

[Some problems of the clinical aspects and diagnosis of

HYPOGONADISM

hypogonitalism in children] Bazarbekova RB.
Vopr Okhr Materin Det 18:52-6, Jun 73 (Eng. Abstr.)
(Rus)

COMPLICATIONS

Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. J Urol 110:410-2, Oct 73
[A female case of Prader and Willi syndrome; exploration at the post puberal age (author's transl)]
Scholson G, et al.
Ann Endocrinol (Paris) 34:286-8, May-Jun 73 (Eng. Abstr.)
(Fre)

DIAGNOSIS

Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction.
Mortimer CH, et al. Br Med J 4:73-7, 13 Oct 73
Pure gonadal dysgenesis; clinical and genetic studies.
Boczkowski K. Mater Med Pol 5:197-202, Jul-Sep 73
[Diagnosis and therapy of infertility in the male]
Petres J, et al.
Munch Med Wochenschr 115:1175-82, 22 Jun 73 (Eng. Abstr.)
(Ger)
[Some problems of the clinical aspects and diagnosis of hypogonitalism in children] Bazarbekova RB.
Vopr Okhr Materin Det 18:52-6, Jun 73 (Eng. Abstr.)
(Rus)

DRUG THERAPY

Oxandrolone and human growth hormone. Comparison of growth-stimulating effects in short children. Raitl S, et al. Am J Dis Child 128:597-600, Nov 73
Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction.
Mortimer CH, et al. Br Med J 4:73-7, 13 Oct 73
[A female case of Prader and Willi syndrome; exploration at the post puberal age (author's transl)]
Scholson G, et al.
Ann Endocrinol (Paris) 34:286-8, May-Jun 73 (Eng. Abstr.)
(Fre)
[Mestoranum. What justification has this androgenic steroid?] Frey H.
Tidsskr Nor Laegeforen 93:1163-4, 30 May 73 (Nor)

ETIOLOGY

Myotonic dystrophy and its differential diagnosis.
Zellweger H, et al.
Acta Neurol Scand [Suppl] 49:5-28, 1973
[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al.
Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.)
(Fre)

FAMILIAL & GENETIC

[Importance and heterogeneity of xeroderma pigmentosum syndrome] Jung EG.
Hautarzt 24:175-9, May 73 (61 ref.)
(Ger)

IMMUNOLOGY

[Aspects of immunological aggression in the human testis] Isidori A, et al.
Minerva Med 64:2935-9, 28 Jul 73
(Ita)

METABOLISM

Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. Zárate A, et al.
Obstet Gynecol 42:507-10, Oct 73

PATHOLOGY

[Aspects of immunological aggression in the human testis] Isidori A, et al.
Minerva Med 64:2935-9, 28 Jul 73
(Ita)

PHYSIOPATHOLOGY

Manual and oral stereognosis in children with cleft palate, gonadal dysgenesis, pseudohypoparathyroidism, oral facial digital syndrome and Kallman's syndrome. Catalanotto FA, et al. Arch Oral Biol 18:1227-32, Oct 73

GONADS

Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. J Urol 110:410-2, Oct 73
[A female case of Prader and Willi syndrome; exploration at the post puberal age (author's transl)]
Scholson G, et al.
Ann Endocrinol (Paris) 34:286-8, May-Jun 73 (Eng. Abstr.)
(Fre)

URINE

[Antigonadotropins and gonadotropins in some endocrine disorders of the male genitalia] Kolarov P, et al. Vutr Boles 12:6-10, 1973 (Eng. Abstr.) (Bul)

KLINEFELTER'S SYNDROME

BLOOD

A simple clinical test for measuring the serum testosterone response to intravenous infusion of human chorionic gonadotropin (HCG). Vivanco F, et al. Acta Endocrinol (Kbh) 73:790-3, Aug 73
The effect of short-term testosterone administration on serum FSH, LH and testosterone levels: evidence for selective abnormality in LH control in patients with Klinefelter's syndrome. Capell PT, et al. J Clin Endocrinol Metab 37:752-9, Nov 73
Responses of serum luteinizing hormone and follicle-stimulating hormone levels to synthetic luteinizing hormone-releasing hormone (LH-RH) in various forms of testicular disorders. Isurugi K, et al. J Clin Endocrinol Metab 37:533-9, Oct 73
[Serum testosterone-interpretation of the test results] Ihayashi H, et al.
Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)

COMPLICATIONS

Intersexual problems. Money J.
Clin Obstet Gynecol 16:189-91, Sep 73
The epidemiology of learning disorders. Walzer S, et al. Pediatr Clin North Am 20:549-65, Aug 73 (73 ref.)
[The childless marriage: male sterility] Dhoni G, et al. Fortschr Med 91:1069-72, 27 Sep 73 (Ger)

DIAGNOSIS

[Some problems of the clinical aspects and diagnosis of hypogonitalism in children] Bazarbekova RB.
Vopr Okhr Materin Det 18:52-6, Jun 73 (Eng. Abstr.)
(Rus)

FAMILIAL & GENETIC

An (X;14) translocation, unbalanced, 47 chromosomes. Repository Identification No. GM-74. Opitz J, et al. Cytogenet Cell Genet 12:291-2, 1973
Assignment of three gene loci (PGK, HGPRT, G6PD) to the long arm of the human X chromosome by somatic cell genetics. Ricciuti FC, et al.
Genetics 74:661-78, Aug 73

PATHOLOGY

[Cytogenetical investigations on autopsy material (author's transl)] Waller H, et al.
Zentralbl Allg Pathol 117:138-45, 1973 (Eng. Abstr.)
(Ger)

URINE

[Antigonadotropins and gonadotropins in some endocrine disorders of the male genitalia] Kolarov P, et al. Vutr Boles 12:6-10, 1973 (Eng. Abstr.) (Bul)

LEYDIG CELL TUMOR

Therapeutic grand rounds number 5. The differential diagnosis of bursitism and virilism.
Arch Intern Med 132:616-9, Oct 73

CHEMICALLY INDUCED

Cadmium-induced Leydig cell tumors of rat testis: morphologic and cytochemical study. Reddy J, et al. J Natl Cancer Inst 51:891-903, Sep 73

COMPLICATIONS

Feminising interstitial cell tumour of the testis. Gray SP, et al. *J R Nav Med Serv* 59:71-8, Summer 73

ENZYMOLGY

Cadmium-Induced Leydig cell tumors of rat testis: morphologic and cytochemical study. Reddy J, et al. *J Natl Cancer Inst* 51:891-903, Sep 73
[Cyproterone acetate in normal and interstitial cell tumor grafted rats. Effects on testicular and sexual accessory organs weight and lactate dehydrogenase activity and isoenzymes (author's transl)] Callard R, et al. *Biochim Biophys Acta* 313:190-201, 20 Jun 73 (Fre)

METABOLISM

The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73
Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al. *J Endocrinol* 59:7-16, Oct 73

PATHOLOGY

Ovarian stromal tumors containing Leydig cells. II. Pure Leydig cell tumor, non-hilar type. Roth LM, et al. *Cancer* 32:952-60, Oct 73
Ovarian stromal tumors containing Leydig cells. I. Stromal-Leydig cell tumor and non-neoplastic transformation of ovarian stroma to Leydig cells. Sternberg WH, et al. *Cancer* 32:940-51, Oct 73
Cadmium-Induced Leydig cell tumors of rat testis: morphologic and cytochemical study. Reddy J, et al. *J Natl Cancer Inst* 51:891-903, Sep 73

PHYSIOPATHOLOGY

The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73

OVARIAN CYSTS

COMPLICATIONS

[Recurrent subperitoneal cysts of ovarian origin] Robert HG, et al. *Ann Chir* 27:869-73, Sep 73 (Eng. Abstr.) (Fre)
[Primary amenorrhea] Bjoro K. *Tidsskr Nor Laegeforen* 93:1028-31, 20 May 73 (Eng. Abstr.) (Nor)
[Torsion of the pedicle of an ovarian cyst in a 2-month-old girl] Forafonova LN, et al. *Vopr Okhr Materin Det* 18:83, Mar 73 (Rus)

DIAGNOSIS

Laparoscopy in infants and adolescents. Cognat M, et al. *Obstet Gynecol* 42:515-21, Oct 73
[Mesonephroid (or clear cell) tumors of the ovary. Clinico-anatomical study of 12 cases] Genton C. *Schweiz Med Wochenschr* 103:1093-8, 4 Aug 73 (Eng. Abstr.) (Fre)

DRUG THERAPY

Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73

ENZYMOLGY

[A comparison of the enzyme activities of alkaline and acid phosphatase, lactic acid dehydrogenase and leucine aminopeptidase from the wall and fluid of human ovarian follicles, cysts and serous cystadenomas (author's transl)] Breltenecker G, et al. *Arch Gynaekol* 215:85-94, 25 May 73 (Eng. Abstr.) (Ger)

IMMUNOLOGY

An immunologic comparison between serous cystadenocarcinoma of the ovary and other human gynecologic tumors. Bhattacharya M, et al. *Am J Obstet Gynecol* 117:849-53, 15 Nov 73

METABOLISM

[Ovarian hormonogenesis and its changes in cystic disease in women] Arafel H, et al. *Stud Cercet Endocrinol* 24:431-4, 1973 (Rum)

PATHOLOGY

The importance of gonadography and gonadometry in the diagnosis of polycystic ovaries. Tassopoulos CN, et al. *Int Surg* 58:619-22, Sep 73
[Mesonephroid (or clear cell) tumors of the ovary. Clinico-anatomical study of 12 cases] Genton C. *Schweiz Med Wochenschr* 103:1093-8, 4 Aug 73 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73

RADIOGRAPHY

The importance of gonadography and gonadometry in the diagnosis of polycystic ovaries. Tassopoulos CN, et al. *Int Surg* 58:619-22, Sep 73
[Ovarian cyst simulating carcinoid] Magalhães A de A. *Rev Assoc Med Bras* 19:215-6, May 73 (Por)

SURGERY

Ovarian tumors in pregnancy. A private hospital ten year survey. White KC. *Trans Pac Coast Obstet Gynecol Soc* 40:104-10, 1973

VETERINARY

Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73

OVARIAN DISEASES

Ectopic ovarian tissue: case report of an unusual presentation. Daw E. *Am J Obstet Gynecol* 117:576-7, 15 Oct 73
Ovarian control of vitellogenin synthesis by the fat body in *Aedes aegypti*. Hagedorn HH, et al. *Nature* 244:103-5, 13 Jul 73

CHEMICALLY INDUCED

Cyclophosphamide-Induced ovarian failure. Warne GL, et al. *N Engl J Med* 289:1159-62, 29 Nov 73

COMPLICATIONS

The causes of sterility in females with familial Mediterranean fever. Ismajovich B, et al. *Fertil Steril* 24:844-7, Nov 73
[Studies on the physiology and pathology of the cervix uteri in cattle] Gloor HF. *Experientia* 19:Suppl:3-94, 1973 (Ger)
[Primary amenorrhea] Bjoro K. *Tidsskr Nor Laegeforen* 93:1028-31, 20 May 73 (Eng. Abstr.) (Nor)

DRUG THERAPY

The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al. *J Clin Endocrinol Metab* 37:574-80, Oct 73
Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Turksoy RN. *Semin Drug Treat* 3:177-88, Autumn 73

ETIOLOGY

Tuboovarian abscess with recovery of T-mycoplasma. Braun P, et al. *Am J Obstet Gynecol* 117:861-2, 15 Nov 73
A brief review of human porocephalliasis with a report of the first case of human infection with *Armillifer* Spp. in Rhodesia. Goldsmid JM, et al. *Cent Afr J Med* 19:213-6, Oct 73
[Ovarian bleeding in Werlhof's disease] Nazarov VG. *Vrach Delo* 6:83, Jun 73 (Rus)

OVARIAN DISEASES

GONADS

MICROBIOLOGY

- Tuboovarian abscess with recovery of T-mycoplasma.
Braun P, et al.
Am J Obstet Gynecol 117:861-2, 15 Nov 73

PATHOLOGY

- Cyclophosphamide-induced ovarian failure. Warne GL, et al. N Engl J Med 289:1159-62, 29 Nov 73
Ectopical decidua formation in the ovary (so-called deciduoma). Bersch W, et al.
Virchows Arch [Pathol Anat] 360:173-7, 9 Aug 73

THERAPY

- The infertile woman. Kistner W.
Am J Nurs 73:1937-43, Nov 73

VETERINARY

- [Studies on the physiology and pathology of the cervix uteri in cattle] Gloor HF.
Experientia 19:Suppl:3-94, 1973 (Ger)

OVARIAN NEOPLASMS

- An adrenal cortical rest within the fetal ovary: report of a case. Symonds DA, et al.
Am J Clin Pathol 60:562-4, Oct 73
Ovarian teratoma found in an offspring of mothers (ICR-JCL mice) treated with urethane. Nomura T, et al. Med J Osaka Univ 23:121-31, Dec 72

BLOOD

- Alpha-fetoprotein and endodermal sinus tumor of the ovary. Wilkinson EJ, et al.
Am J Obstet Gynecol 116:711-4, 1 Jul 73
Antibody cytotoxicity studies in ovarian and cervical malignancies. Dlsala PJ, et al.
Obstet Gynecol 42:844-50, Nov 73
[Serum testosterone-interpretation of the test results] Ibayasbi H, et al.
Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)

CHEMICALLY INDUCED

- Proliferative and neoplastic changes in the ovaries of hamsters treated with 131-iodine and methylthiouracil. Christov K, et al.
Neoplasma 20:511-6, May 73
[Experiments on malignant transformation of hyperplastic tumours ("splenic ovary") in rats (author's transl)] Hilfrich J, et al.
Verh Dtsch Ges Kreislauhforsch 56:532-5, 1972 (Eng. Abstr.) (Ger)

CLASSIFICATION

- Ovarian carcinoma: pathology, staging, grading, and prognosis. Sommers SC, et al.
Bull NY Acad Med 49:858-69, Oct 73

COMPLICATIONS

- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H.
Acta Obstet Gynecol Scand [Suppl] 1-78, 1973
Primary argentaffinoma of the ovary. Jagoe WS, et al.
Br J Surg 60:749-50, Sep 73
6-Dehydro-6,17 alpha-dimethylprogesterone (NSC-123018) for the treatment of metastatic and recurrent ovarian carcinoma. Malkasian GD Jr, et al.
Cancer Chemother Rep 57:241-2, Apr 73
Ovarian gynecandroblastoma presenting with primary amenorrhoea. Mahran M, et al. Int Surg 58:643-5, Sep 73
[Fibro-thecoma of the ovary with pleural effusion and ascites] Kron B.
Sem Hop Paris 49:1318-9, 14 Apr 73 (Fre)
[Mammary carcinoma and second gynaecological tumours (author's transl)] Leonhardt A, et al.
Munch Med Wochenschr 115:1554-60, 14 Sep 73 (Eng. Abstr.) (Ger)
[Primary bilateral malignant ovarian tumor presenting an obstetrical problem] Gliński S.
Pol Tyg Lek 28:1197-8, 30 Jul 73 (Eng. Abstr.) (Pol)
[Association of theca-granulosa ovarian tumor with carcinomas of the endometrium and breast] De la Torre A, et al.

- Ginecol Obstet Mex 28:159-64, Aug 73 (Eng. Abstr.) (Spa)

DIAGNOSIS

- Electron microscopic studies of cells in pleural and peritoneal effusions. Murad TM.
Acta Cytol (Baltimore) 17:401-9, Sep-Oct 73
Acid phosphatase staining in the histopathology laboratory. Carson FL.
Am J Med Technol 39:333-7, Sep 73
Further observations on alpha-fetoprotein in the diagnosis of diseases of the digestive tract. Nishio M, et al. Digestion 8:396-406, 1973
The epidemiologic pathology of ovarian cancer. Berg JW, et al. Hum Pathol 4:537-47, Dec 73
Burkitt's lymphoma in an Israeli child. Freundlich E, et al. Isr J Med Sci 9:1052-4, Aug 73
The malignant Brenner tumor. Hull MG, et al.
Obstet Gynecol 42:527-34, Oct 73
Sudden death due to genital echinococcus infestation in a Bantu female: case report, discussion and review. Rubla A. S Afr Med J 47:2057-9, 3 Nov 73
Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ.
Trans Pac Coast Obstet Gynecol Soc 40:111-6, 1973
Ectopical decidua formation in the ovary (so-called deciduoma). Bersch W, et al.
Virchows Arch [Pathol Anat] 360:173-7, 9 Aug 73
[Mesonephroid (or clear cell) tumors of the ovary. Clinic-anatomical study of 12 cases] Genton C. Schweiz Med Wochenschr 103:1093-8, 4 Aug 73 (Eng. Abstr.) (Fre)

DRUG THERAPY

- Alpha-fetoprotein and endodermal sinus tumor of the ovary. Wilkinson EJ, et al.
Am J Obstet Gynecol 116:711-4, 1 Jul 73
Adriamycin and bleomycin, alone and in combination, in gynecologic cancers. Barlow JJ, et al.
Cancer 32:735-43, Oct 73
Preliminary clinical trials of butocin (NSC-172755) in patients with generalized carcinoma of the breast. Andrysek O, et al.
Cancer Chemother Rep 57:311-8, Sep-Oct 73
6-Dehydro-6,17 alpha-dimethylprogesterone (NSC-123018) for the treatment of metastatic and recurrent ovarian carcinoma. Malkasian GD Jr, et al.
Cancer Chemother Rep 57:241-2, Apr 73
Second joint working conference: National Cancer Institute Chemotherapy Program. Working session report: clinical trials. Carbone PP.
Cancer Chemother Rep [Suppl] 3:73-5, 1 May 72
Embryonal cell carcinoma (endodermal sinus type) of the ovary. Blythe JG, et al. Hum Pathol 4:595-9, Dec 73
Burkitt's lymphoma in an Israeli child. Freundlich E, et al. Isr J Med Sci 9:1052-4, Aug 73
In vitro studies of human tumor and embryonic tissue. Allen A, et al.
Trans Pac Coast Obstet Gynecol Soc 40:8-14, 1973
[Radiation-sensitizing action of bleomycin on tumor cells] Duplan JF.
Bull Cancer (Paris) 59:419-28, Oct-Dec 72 (Eng. Abstr.) (Fre)

ENZYMOMOLOGY

- Ultrastructural studies on Regan and non-Regan isoenzymes of alkaline phosphatase in human ovarian cancer cells. Sasaki M, et al.
Cancer Res 33:3008-18, Nov 73
Transfer RNA methylase and transfer RNA methylase-inhibitor activity in normal and malignant human ovarian tissue. Seld B, et al.
Cancer Res 33:2518-23, Oct 73
[A comparison of the enzyme activities of alkaline and acid phosphatase, lactic acid dehydrogenase and leucine aminopeptidase from the wall and fluid of human ovarian follicles, cysts and serous cystadenomas (author's transl)] Breitenacker G, et al.
Arch Gynaekol 215:85-94, 25 May 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

- Genetic cutaneous disorders with gynecologic tumors. Walker RH, et al.
Trans Pac Coast Obstet Gynecol Soc 40:30-7, 1973

IMMUNOLOGY

- An immunologic comparison between serous cystadenocarcinoma of the ovary and other human gynecologic tumors. Bhattacharya M, et al. *Am J Obstet Gynecol* 117:849-53, 15 Nov 73
- Carcinoembryonic antigen in cancer of the female reproductive system: its detection in serum by a microradiolimmunoassay. Khoo SK, et al. *Aust NZ J Obstet Gynaecol* 13:107-13, May 73
- Circulating antihodies in human malignant disease. Whitehouse JM. *Br J Cancer* 170-4, Aug 73
- Skin test in bronchogenic carcinoma. II. Its value in the differential diagnosis. Brugarolas A, et al. *J Surg Oncol* 5:319-25, 1973
- Antibody cytotoxicity studies in ovarian and cervical malignancies. Disala PJ, et al. *Obstet Gynecol* 42:644-50, Nov 73

MORTALITY

- Editorial: Mucinous tumours of the ovary. *Br Med J* 3:603, 22 Sep 73
- Ovarian cancers in the young. Epidemiologic observations. Li FP, et al. *Cancer* 32:969-72, Oct 73

OCCURRENCE

- The epidemiologic pathology of ovarian cancer. Berg JW, et al. *Hum Pathol* 4:537-47, Dec 73

PATHOLOGY

- Computer discrimination of cells in serous effusions. II. Peritoneal fluid. Jahoda E, et al. *Acta Cytol (Baltimore)* 17:533-7, Nov-Dec 73
- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H. *Acta Obstet Gynecol Scand [Suppl]* 1-78, 1973
- Malignant Brenner tumor--a case report. Toriumi J, et al. *Acta Pathol Jap* 23:121-8, Feb 73
- Alpha-fetoprotein and endodermal sinus tumor of the ovary. Wilkinson EJ, et al. *Am J Obstet Gynecol* 116:711-4, 1 Jul 73
- Pseudomyxoma peritonei: a report of ten cases. Limber GK, et al. *Ann Surg* 178:587-93, Nov 73
- Editorial: Mucinous tumours of the ovary. *Br Med J* 3:603, 22 Sep 73
- Ovarian carcinoma: pathology, staging, grading, and prognosis. Sommers SC, et al. *Bull NY Acad Med* 49:858-69, Oct 73
- Ovarian stromal tumors containing Leydig cells. II. Pure Leydig cell tumor, non-hilar type. Roth LM, et al. *Cancer* 32:952-60, Oct 73
- Ovarian stromal tumors containing Leydig cells. I. Stromal-Leydig cell tumor and non-neoplastic transformation of ovarian stroma to Leydig cells. Sternberg WH, et al. *Cancer* 32:940-51, Oct 73
- The epidemiologic pathology of ovarian cancer. Berg JW, et al. *Hum Pathol* 4:537-47, Dec 73
- Embryonal cell carcinoma (endodermal sinus type) of the ovary. Blythe JG, et al. *Hum Pathol* 4:595-9, Dec 73
- Ovarian gynandroblastoma presenting with primary amenorrhoea. Mahran M, et al. *Int Surg* 58:643-5, Sep 73
- Granulosa cell tumor of the ovary in a 7-year-old female with late (12-year) lung metastasis. A case report and discussion. McCann EC, et al. *J Maine Med Assoc* 64:201-3, Sep 73
- Gastric carcinoma in a 22-year-old Negro woman with metastases to ovaries and breast. A case report. Schmutzer KJ, et al. *J Natl Med Assoc* 65:426-8 passim, Sep 73
- Ovarian tumours in postmenopausal women. Clinicopathological features and hormonal studies. Rome RM, et al. *J Obstet Gynaecol Br Commonw* 80:984-91, Nov 73
- The malignant Brenner tumor. Hull MG, et al. *Obstet Gynecol* 42:527-34, Oct 73
- [Mesonephroid (or clear cell) tumors of the ovary. Clinico-anatomical study of 12 cases] Genton C. *Schweiz Med Wochenschr* 103:1093-8, 4 Aug 73 (Eng. Abstr.) (Fre)
- [Endometrioses with malignant degeneration] Duhrausky V, et al. *Gynaekol Rundsch* 13:219-30, 1973 (Ger)
- [Experiments on malignant transformation of hyperplastic tumours ("splenic ovary") in rats (author's transl)] Hilfrich J, et al. *Verh Dtsch Ges Kreislaufforsch* 56:532-5, 1972 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73
- [Granulosa and thecal tumors of the ovary] Verhaeghe M, et al. *Lille Med* 18:609-19, Jun-Jul 73 (Fre)

RADIOGRAPHY

- Tumors of the diaphragm. Anderson LS, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:259-65, Oct 73
- Positive contrast peritoneography: the abnormal abdomen. Gelfand DW. *Am J Roentgenol Radium Ther Nucl Med* 119:190-7, Sep 73
- The value of the postevacuation view of the colon in the detection of pelvic pathology. A report of 9 illustrative cases. Kahakian HA, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:393-403, Oct 73
- Distribution of intra-abdominal malignant seeding: dependency on dynamics of flow of ascitic fluid. Meyers MA. *Am J Roentgenol Radium Ther Nucl Med* 119:198-206, Sep 73

RADIOTHERAPY

- Granulosa cell tumor of the ovary in a 7-year-old female with late (12-year) lung metastasis. A case report and discussion. McCann EC, et al. *J Maine Med Assoc* 64:201-3, Sep 73
- [Radiation-sensitizing action of bleomycin on tumor cells] Duplan JF. *Bull Cancer (Paris)* 59:419-28, Oct-Dec 72 (Eng. Abstr.) (Fre)
- [Treatment of advanced inoperable carcinoma of the ovaries (author's transl)] Senn HJ. *Ther Umsch* 30:651-6, Sep 73 (Eng. Abstr.) (Ger)

SURGERY

- Malignant Brenner tumor--a case report. Toriumi J, et al. *Acta Pathol Jap* 23:121-8, Feb 73
- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73
- Alpha-fetoprotein and endodermal sinus tumor of the ovary. Wilkinson EJ, et al. *Am J Obstet Gynecol* 116:711-4, 1 Jul 73
- The value of the postevacuation view of the colon in the detection of pelvic pathology. A report of 9 illustrative cases. Kahakian HA, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:393-403, Oct 73
- Pseudomyxoma peritonei: a report of ten cases. Limber GK, et al. *Ann Surg* 178:587-93, Nov 73
- Primary argentaffinoma of the ovary. Jagoe WS, et al. *Br J Surg* 60:749-50, Sep 73
- 6-Dehydro-6,17 alpha-dimethylprogesterone (NSC-123018) for the treatment of metastatic and recurrent ovarian carcinoma. Malkasian GD Jr, et al. *Cancer Chemother Rep* 57:241-2, Apr 73
- Embryonal cell carcinoma (endodermal sinus type) of the ovary. Blythe JG, et al. *Hum Pathol* 4:595-9, Dec 73
- Burkitt's lymphoma in an Israeli child. Freundlich E, et al. *Isr J Med Sci* 9:1052-4, Aug 73
- Granulosa cell tumor of the ovary in a 7-year-old female with late (12-year) lung metastasis. A case report and discussion. McCann EC, et al. *J Maine Med Assoc* 64:201-3, Sep 73
- Letter: Depression after hysterectomy. Richards DH. *Lancet* 2:918-9, 20 Oct 73
- Ovarian tumors in pregnancy. A private hospital ten year survey. White KC. *Trans Pac Coast Obstet Gynecol Soc* 40:104-10, 1973
- [Granulosa and thecal tumors of the ovary] Verhaeghe M, et al. *Lille Med* 18:609-19, Jun-Jul 73 (Fre)
- [The Childs-Phillips method of mesoplication] Chiricuță I, et al. *Chirurgia (Bucur)* 22:769-78, Sep 73 (Eng. Abstr.) (Rum)

THERAPY

- [Treatment of advanced inoperable carcinoma of the

OVARIAN NEOPLASMS

ovaries (author's transl)] Senn HJ.
Ther Umsch 30:651-6, Sep 73 (Eng. Abstr.) (Ger)
[Treatment of children with reticulosarcoma during
the period of remission] Flinogenova NA, et al.
Pediatrics 52:59-61, Jul 73 (Rus)

URINE

Ovarian tumours in postmenopausal women.
Clinicopathological features and hormonal studies.
Rome RM, et al.
J Obstet Gynaecol Br Commonw 80:984-91, Nov 73

OVARY

ABNORMALITIES

Isochromosome Y (46,X,l(Yq)) and female phenotype.
Böök JA, et al. Clin Genet 4:410-4, 1973

PSEUDOHERMAPHRODITISM

Letter: Terminology of hermaphroditism. Evrard JR.
Obstet Gynecol 42:794, Nov 73
Mixed gonadal dysgenesis. Davidoff F, et al.
Pediatrics 52:725-42, Nov 73

COMPLICATIONS

[3 cases of congenital hyperplasia of the adrenal
glands] Maherzi H, et al.
Tunis Med 50:421-8, Nov-Dec 72 (Fre)
[Glant uterine myoma in a congenital adrenogenital
syndrome] Sege D, et al.
Schweiz Med Wochenschr 103:1743-9, 8 Dec 73 (Eng.
Abstr.) (Ger)

DIAGNOSIS

[Some problems of the clinical aspects and diagnosis of
hypogonadism in children] Bazarbekova RB.
Vopr Okhr Materin Det 18:52-6, Jun 73 (Eng. Abstr.)
(Rus)

EMBRYOLOGY

Male pseudohermaphroditism in the laboratory Norway
rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973

FAMILIAL & GENETIC

Frequency and morphology of the Y-body in patients
with female or ambisexual phenotype. Schwinger E,
et al. Clin Genet 4:447-9, 1973

METABOLISM

Androgen metabolism and mechanism of action in male
pseudohermaphroditism: a study of testicular
feminization. Bardlin CW, et al.
Recent Prog Horm Res 29:65-109, 1973
Male pseudohermaphroditism in the laboratory Norway
rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973

PATHOLOGY

Male pseudohermaphroditism in the laboratory Norway
rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973
[Cytogenetical investigations on autopsy material
(author's transl)] Waller H, et al.
Zentralbl Allg Pathol 117:138-45, 1973 (Eng. Abstr.)
(Ger)

PHYSIOPATHOLOGY

Male pseudohermaphroditism in the laboratory Norway
rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973

PUBERTY, PRECOCIOUS

BLOOD

[Serum LH in healthy children and in precocious
puberty] Butenandt O, et al.
Monatsschr Kinderheilkd 121:473-4, Jul 73 (Ger)

GONADS

DIAGNOSIS

The treatment of precocious puberty with cyproterone
acetate. Rager K, et al.
Acta Endocrinol (Kbh) 74:399-408, Oct 73
Laparoscopy in infants and adolescents. Cognat M, et al.
Obstet Gynecol 42:515-21, Oct 73

DRUG THERAPY

The treatment of precocious puberty with cyproterone
acetate. Rager K, et al.
Acta Endocrinol (Kbh) 74:399-408, Oct 73
[Serum LH in healthy children and in precocious
puberty] Butenandt O, et al.
Monatsschr Kinderheilkd 121:473-4, Jul 73 (Ger)

ETIOLOGY

[Endocrine manifestations of lesions of the pineal
region in children] Bovier-Lapierre M, et al.
Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.)
(Fre)
[Congenital adrenal cortex hyperplasia (AGS). Clinical
courses following diagnostic and therapeutic
omissions] Stolecke H, et al.
Monatsschr Kinderheilkd 121:409-10, Jul 73 (Ger)

URINE

The treatment of precocious puberty with cyproterone
acetate. Rager K, et al.
Acta Endocrinol (Kbh) 74:399-408, Oct 73

SERTOLI CELL TUMOR

PATHOLOGY

A sertoli-cell tumor in ectopic testicular tissue.
Robinson RR. Mod Vet Pract 54:69, Oct 73
On structural patterns of the lamina propria of human
seminiferous tubules. Bustos-Obrégón E, et al.
Z Zellforsch Mikrosk Anat 141:413-25, 3 Aug 73

VETERINARY

A sertoli-cell tumor in ectopic testicular tissue.
Robinson RR. Mod Vet Pract 54:69, Oct 73

SEX CHROMOSOME

ABNORMALITIES

Isochromosome X. Clinical and psychological findings.
Senzer N, et al. Am J Dis Child 128:312-6, Sep 73
Manic-depressive illness: linkage with the Xg blood
group. Fleve RR, et al.
Am J Psychiatry 130:1355-9, Dec 73
Editorial: Hereditary transmission of psychiatric
illness. Guze SB. Am J Psychiatry 130:1377-8, Dec 73
Presumptive fluorescent evidence for spermatocyte
with X+Y+Y diakinetic univalents in an XYY male.
Luciani JM, et al. Clin Genet 4:415-6, 1973
The XY gonadal agenesis syndrome. Sarto GE, et al.
J Oral Surg 10:288-93, Sep 73
X-linked hypomaturational type of amelogenesis
imperfecta exhibiting lyonization in affected females.
McLarty EL, et al. Oral Surg 36:678-85, Nov 73
Mixed gonadal dysgenesis. Davidoff F, et al.
Pediatrics 52:725-42, Nov 73
[48 XXXX syndrome in an infant] Walbaum R, et al.
J Genet Hum 21:43-56, Mar 73 (Fre)

CHEMICALLY INDUCED

[Micronucleus test and chromosomal analysis in
somatic and gonosomal cells of the Chinese hamster
after treatment with cyclophosphamide (author's
transl)] Müller D, et al.
Verh Dtsch Ges Krebslaufforsch 56:381-4, 1972 (Ger)

COMPLICATIONS

Psychological studies of ten patients with the XYY
syndrome. Christensen AL, et al.
Br J Psychiatry 123:219-21, Aug 73
Visual acuity in 183 cases of X-chromosomal
retinosis. Forsius H, et al.
Can J Ophthalmol 8:385-93, Jul 73
Communications and commentaries: A 46,XYq- male

with aspermia. Neu RL, et al.

Fertil Steril 24:811-3, Oct 73

The epidemiology of learning disorders. Walzer S, et al.
Pediatr Clin North Am 20:549-85, Aug 73 (73 ref.)

DIAGNOSIS

X chromosomal anomalies in the newborn. Dougherty CM, et al. Acta Cytol (Baltimore) 17:423-4, Sep-Oct 73
The XY gonadal agenesis syndrome. Sarto GE, et al. J Oral Surg 10:288-93, Sep 73
[Chromosomes and male sterility] Koulicsber L, et al. Schweiz Med Wochenschr 103:1289-77, 15 Sep 73 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Banding analysis of abnormal karyotypes in spontaneous abortion. Kajil T, et al. Am J Hum Genet 25:539-47, Sept 73
Isobromosome Y (46,X,i(Yq)) and female phenotype. Böök JA, et al. Clin Genet 4:410-4, 1973
Chromosome studies in 5,049 consecutive newborn children. Friedrich U, et al. Clin Genet 4:333-43, 1973
Prevalence of chromosome abnormalities among males examined for military service. Zeuthen E, et al. Clin Genet 4:422-8, 1973

METABOLISM

Autoradiographically identified karyotype 49,XXXXY, t(4; 11) (q35; q23) confirmed by banding. De La Chapelle A, et al. Hereditas 74:291-2, 1973

OCCURRENCE

Chromosome studies in 5,049 consecutive newborn children. Friedrich U, et al. Clin Genet 4:333-43, 1973
Prevalence of chromosome abnormalities among males examined for military service. Zeuthen E, et al. Clin Genet 4:422-8, 1973
XXX males found in a general male population. Cytogenetic and physical examination. Zeuthen E, et al. Hereditas 74:283-90, 1973

PHYSIOPATHOLOGY

Manual and oral stereognosis in children with cleft palate, gonadal dysgenesis, pseudohypoparathyroidism, oral facial digital syndrome and Kallman's syndrome. Catalanotto FA, et al. Arch Oral Biol 18:1227-32, Oct 73
[48 XXXX syndrome in an infant] Walbaum R, et al. J Genet Hum 21:43-56, Mar 73 (Fre)

SEX DIFFERENTIATION DISORDERS

Pituitary gigantism. A case report and review. Haigler ED Jr, et al. Arch Intern Med 132:588-94, Oct 73
Intersexual problems. Money J. Clin Obstet Gynecol 16:169-91, Sep 73
Letter: Sex-associated differential fluorescence of mudminnow chromosomes and spermatozoa. Howell WM, et al. Nature 245:261-3, 5 Oct 73
[Delayed puberty and hypogonadism in boys] Aarskog D. Tidsskr Nor Laegeforen 93:1012-7, 20 May 73 (Eng. Abstr.) (Nor)

DIAGNOSIS

Intersexual problems. Money J. Clin Obstet Gynecol 16:169-91, Sep 73

DRUG THERAPY

Intersexual problems. Money J. Clin Obstet Gynecol 16:169-91, Sep 73

EMBRYOLOGY

Intersexual problems. Money J. Clin Obstet Gynecol 16:169-91, Sep 73

ETIOLOGY

Mixed gonadal dysgenesis. Davidoff F, et al. Pediatrics 52:725-42, Nov 73
Commentary: Disorders of gonadal development. Stempfel RS Jr. Pediatrics 52:635-6, Nov 73

SURGERY

Intersexual problems. Money J. Clin Obstet Gynecol 16:169-91, Sep 73

STEIN-LEVENTHAL SYNDROME

BLOOD

The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG. Endocrinol Exp (Bratisl) 7:193-201, Sep 73

DIAGNOSIS

Laparoscopy in infants and adolescents. Cognat M, et al. Obstet Gynecol 42:515-21, Oct 73

DRUG THERAPY

The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG. Endocrinol Exp (Bratisl) 7:193-201, Sep 73
The use of clomiphene citrate in the treatment of anovulation. Kistner RW. Semin Drug Treat 3:159-76, Autumn 73 (25 ref.)
[Conservative or surgical treatment of patients with Stein-Leventhal syndrome] Markovski N. Akush Ginekol (Sofia) 12:9-13, 1973 (Eng. Abstr.) (Bul)

FAMILIAL & GENETIC

[Stein-Leventhal syndrome in the light of genetic studies] Ostrzeński A. Pol Tyg Lek 28:1260-1, 13 Aug 73 (Eng. Abstr.) (Pol)

METABOLISM

[Nuclear inclusion in the steroid-producing cells of the normal ovary and in the ovary of women with Stein-Leventhal syndrome] Takeva T, et al. Akush Ginekol (Sofia) 12:4-9, 1973 (Eng. Abstr.) (Bul)
[Ovarian hormonogenesis and its changes in cystic disease in women] Arateľ H, et al. Stud Cercet Endocrinol 24:431-4, 1973 (Rum)

PATHOLOGY

The importance of gonadography and gonadometry in the diagnosis of polycystic ovaries. Tassopoulos CN, et al. Int Surg 58:619-22, Sep 73

RADIOGRAPHY

The importance of gonadography and gonadometry in the diagnosis of polycystic ovaries. Tassopoulos CN, et al. Int Surg 58:619-22, Sep 73

SURGERY

[Conservative or surgical treatment of patients with Stein-Leventhal syndrome] Markovski N. Akush Ginekol (Sofia) 12:9-13, 1973 (Eng. Abstr.) (Bul)

TESTICULAR DISEASES

BLOOD

Responses of serum luteinizing hormone and follicle-stimulating hormone levels to synthetic luteinizing hormone-releasing hormone (LH-RH) in various forms of testicular disorders. Isurugi K, et al. J Clin Endocrinol Metab 37:533-9, Oct 73

COMPLICATIONS

[The childless marriage: male sterility] Dbom G, et al. Fortschr Med 91:1069-72, 27 Sep 73 (Ger)

DIAGNOSIS

Proceedings: Testicular function tests: an integrated approach. Hamilton W. Arch Dis Child 48:831-2, Oct 73

ETIOLOGY

Sperm granulomas: an adverse effect of vasectomy.
Kwart AM, et al. *J Urol* 110:416-22, Oct 73

PATHOLOGY

Smallpox as an etiologic factor in male infertility.
Phadke AM, et al. *Fertil Steril* 24:802-4, Oct 73
Changes in the canine testes after bilateral
vasectomy--an experimental study. Vare AM, et al.
Fertil Steril 24:793-7, Oct 73
Sperm granulomas: an adverse effect of vasectomy.
Kwart AM, et al. *J Urol* 110:416-22, Oct 73
Urogenital and ocular lesions in canine blastomycosis.
Wilson RW, et al. *Vet Pathol* 10:1-11, 1973

SURGERY

[Therapy of testicular dystopia, obstruction of efferent
ejaculatory ducts and of varicocele from the
andrological viewpoint] Breit R, et al.
Ther Ggw 112:1088-90 passim, Jul 73 (Ger)

VETERINARY

Testicular calcification in a bull. Barnabe RC, et al.
Mod Vet Pract 54:65-6, Oct 73
Urogenital and ocular lesions in canine blastomycosis.
Wilson RW, et al. *Vet Pathol* 10:1-11, 1973

TESTICULAR FEMINIZATION

BLOOD

Constitutional hirsutism: endocrinopathy or genetic
curse. Greenblatt RB, et al.
J Reprod Med 11:96-8, Sep 73
[Serum testosterone-interpretation of the test
results] Ibayashi H, et al.
Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)

COMPLICATIONS

Intersexual problems. Money J.
Clin Obstet Gynecol 16:169-91, Sep 73
Letter: Testicular feminisation and inguinal hernia.
Punnett HH, et al. *Lancet* 2:852, 13 Oct 73
Primary amenorrhoea. Underhill R.
Nurs Mirror 137:28-9, 17 Aug 73

DIAGNOSIS

Letter: Testicular feminisation and inguinal hernia.
Punnett HH, et al. *Lancet* 2:852, 13 Oct 73

ETIOLOGY

Feminising interstitial cell tumour of the testis. Gray
SP, et al. *J R Nav Med Serv* 59:71-6, Summer 73

FAMILIAL & GENETIC

Cytogenetic and clinical study on 100 cases of primary
amenorrhoea. Kallio H.
Acta Obstet Gynecol Scand [Suppl] 1-78, 1973
Frequency and morphology of the Y-body in patients
with female or ambisexual phenotype. Schwinger E,
et al. *Clin Genet* 4:447-9, 1973

METABOLISM

Proceedings: Testicular function tests: an integrated
approach. Hamilton W. *Arch Dis Child* 48:831-2, Oct 73
Development of increased cytoplasmic binding of
androgen in the submandibular gland of the mouse
with testicular feminization. Dunn JF, et al.
J Biol Chem 248:7819-25, 25 Nov 73
Androgen metabolism and mechanism of action in male
pseudohermaphroditism: a study of testicular
feminization. Bardin CW, et al.
Recent Prog Horm Res 29:65-109, 1973

PATHOLOGY

The submaxillary salivary glands as test organs for
response to androgen in mice with testicular
feminization. Lyon MF, et al.
J Endocrinol 58:357-62, Sep 73

PHYSIOPATHOLOGY

Development of increased cytoplasmic binding of
androgen in the submandibular gland of the mouse
with testicular feminization. Dunn JF, et al.
J Biol Chem 248:7819-25, 25 Nov 73

THERAPY

[Testicular feminization] Bjoro K.
Tidsskr Nor Laegeforen 93:1040-2, 20 May 73 (10 ref.)
(Nor)

TESTICULAR NEOPLASMS

Report of a case of xeroderma pigmentosum.
Georgouras K. *Australas J Dermatol* 14:39-46, Apr 73
Testicular tumors in infants and children. Smith JP.
Urology 2:353-60, 4 Oct 73
[Tumors of the testis (author's transl)] Obrecht JP.
Ther Umsch 30:663-7, Sep 73 (Eng. Abstr.) (Ger)

BLOOD

Yolk sac tumor (endodermal sinus tumor) and
alpha-fetoprotein. A report of three cases. Tsuchida
Y, et al. *Cancer* 32:917-21, Oct 73
Alpha-fetoprotein in testicular tumors. Merrin C, et al.
J Surg Res 15:309-12, Oct 73

CHEMICALLY INDUCED

Development of a testicular tumour during
cisclomiphene therapy. Reyes FI, et al.
Can Med Assoc J 109:502-3 passim, 15 Sep 73
Cadmium-induced Leydig cell tumors of rat testis:
morphologic and cytochemical study. Reddy J, et al.
J Natl Cancer Inst 51:891-903, Sep 73

COMPLICATIONS

Abdominoscrotal hydrocele. Tanga MR, et al.
Br J Surg 60:834-6, Oct 73
Feminising interstitial cell tumour of the testis. Gray
SP, et al. *J R Nav Med Serv* 59:71-6, Summer 73
Testis tumors in Negroes. Sherman FP, et al.
Urology 2:318-20, Sep 73

DIAGNOSIS

Selective scintigraphic lymphography of the testes.
Spaventi S, et al.
Nucl Med (Stuttg) 12:148-53, 31 Aug 73
Chemotherapy of testicular germinal tumors. Du Priest
RW Jr, et al. *Oncology* 28:147-63, 1973
Testis tumors in Negroes. Sherman FP, et al.
Urology 2:318-20, Sep 73
Testicular tumors in infants and children. Smith JP.
Urology 2:353-60, 4 Oct 73
[Tumors of the testis (author's transl)] Obrecht JP.
Ther Umsch 30:663-7, Sep 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

Advanced cancer: New concepts of medical therapy.
Geriatrics 28:51-72, Nov 73
Letter: Leukemic infiltration of the testes in acute
myelocytic leukemia during bone marrow remission.
Dublin P, et al. *J Pediatr* 83:886-7, Nov 73
Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73
Chemotherapy of testicular germinal tumors. Du Priest
RW Jr, et al. *Oncology* 28:147-63, 1973
Bilateral germ-cell tumors of testes. Sadoughi N, et al.
Urology 2:452-3, 4 Oct 73
Testis tumors in Negroes. Sherman FP, et al.
Urology 2:318-20, Sep 73
[Therapy using cytostatics. Desired and undesired
effects] Hartwich G.
Fortschr Med 91:1218-22, 8 Nov 73 (Ger)

ENZYMOLGY

Cadmium-induced Leydig cell tumors of rat testis:
morphologic and cytochemical study. Reddy J, et al.
J Natl Cancer Inst 51:891-903, Sep 73
Ectopic pinealoma: an unusual clinical presentation and
a histochemical comparison with a seminoma of the
testis. Beeley JM, et al.
J Neurol Neurosurg Psychiatry 36:864-73, Oct 73

FAMILIAL & GENETIC

High chromosome numbers of seminomata and malignant teratomata of the testis: a review of data on 103 tumours. Atkin NB. *Br J Cancer* 28:275-9, Sep 73

METABOLISM

Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al. *J Endocrinol* 59:7-16, Oct 73

MORTALITY

Fertility after unilateral orchidectomy and radiotherapy for patients with malignant tumours of the testis. Smithers DW, et al. *Br Med J* 4:77-9, 13 Oct 73
 Testicular tumors: 40 years' experience. Culp DA, et al. *J Urol* 110:548-53, Nov 73
 Chemotherapy of testicular germinal tumors. Du Priest RW Jr, et al. *Oncology* 28:147-63, 1973
 Testicular tumors in infants and children. Smith JP. *Urology* 2:353-60, 4 Oct 73

PATHOLOGY

Abdominoscrotal hydrocele. Tanga MR, et al. *Br J Surg* 60:834-6, Oct 73
 Development of a testicular tumour during clasclophene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73
 Yolk sac tumor (endodermal sinus tumor) and alpha-fetoprotein. A report of three cases. Tsuchida Y, et al. *Cancer* 32:917-21, Oct 73
 Bilateral simultaneous seminoma of the testicles: a case report. McLean PA, et al. *J Ir Med Assoc* 66:514-5, 29 Sep 73
 Cadmium-induced Leydig cell tumors of rat testis: morphologic and cytochemical study. Reddy J, et al. *J Natl Cancer Inst* 51:891-903, Sep 73
 Feminising interstitial cell tumour of the testis. Gray SP, et al. *J R Nav Med Serv* 59:71-6, Summer 73
 A sertoli-cell tumor in ectopic testicular tissue. Robinson RR. *Mod Vet Pract* 54:69, Oct 73
 Chemotherapy of testicular germinal tumors. Du Priest RW Jr, et al. *Oncology* 28:147-63, 1973
 Mesothelioma of the tunica vaginalis. Johnson DE, et al. *South Med J* 66:1295-7, Nov 73
 Tumors of the tunica vaginalis. Remzi D. *South Med J* 66:841-2, Jul 73
 Bilateral successive testicular cancer of different cell type. Farivar A, et al. *Urology* 2:458-9, 4 Oct 73
 Bilateral germ-cell tumors of testes. Sadoughi N, et al. *Urology* 2:452-3, 4 Oct 73
 Testis tumors in Negroes. Sherman FP, et al. *Urology* 2:318-20, Sep 73
 [Value of lymphography in the stage classification of malignant diseases and in irradiation planning] Sommer F, et al. *Strahlentherapie* 146:52-9, Jul 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Lymphography in patients with testicular tumours. Jonsson K, et al. *Br J Urol* 45:548-54, Oct 73
 [Value of lymphography in the stage classification of malignant diseases and in irradiation planning] Sommer F, et al. *Strahlentherapie* 146:52-9, Jul 73 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Fertility after unilateral orchidectomy and radiotherapy for patients with malignant tumours of the testis. Smithers DW, et al. *Br Med J* 4:77-9, 13 Oct 73
 Development of a testicular tumour during clasclophene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73
 Letter: Leukemic infiltration of the testes in acute myelocytic leukemia during bone marrow remission. Duhlin P, et al. *J Pediatr* 83:886-7, Nov 73
 Testicular tumors: 40 years' experience. Culp DA, et al. *J Urol* 110:548-53, Nov 73
 Bilateral successive testicular cancer of different cell type. Farivar A, et al. *Urology* 2:458-9, 4 Oct 73
 [Infertility in unilateral testicular cancer. Testicular neoplasms, orchidectomy, chemotherapy, sterility following irradiation or because of irradiation?]

Hauhrich R, et al. *Strahlentherapie* 146:94-103, Jul 73 (Eng. Abstr.) (Ger)
 [Value of lymphography in the stage classification of malignant diseases and in irradiation planning] Sommer F, et al. *Strahlentherapie* 146:52-9, Jul 73 (Eng. Abstr.) (Ger)
 [Tumors of the testis (author's transl)] Ohrecht JP. *Ther Umsch* 30:663-7, Sep 73 (Eng. Abstr.) (Ger)

SURGERY

Fertility after unilateral orchidectomy and radiotherapy for patients with malignant tumours of the testis. Smithers DW, et al. *Br Med J* 4:77-9, 13 Oct 73
 Testicular tumors: 40 years' experience. Culp DA, et al. *J Urol* 110:548-53, Nov 73
 Mesothelioma of the tunica vaginalis. Johnson DE, et al. *South Med J* 66:1295-7, Nov 73
 Tumors of the tunica vaginalis. Remzi D. *South Med J* 66:841-2, Jul 73
 Bilateral successive testicular cancer of different cell type. Farivar A, et al. *Urology* 2:458-9, 4 Oct 73
 Bilateral germ-cell tumors of testes. Sadoughi N, et al. *Urology* 2:452-3, 4 Oct 73
 Testis tumors in Negroes. Sherman FP, et al. *Urology* 2:318-20, Sep 73
 [Infertility in unilateral testicular cancer. Testicular neoplasms, orchidectomy, chemotherapy, sterility following irradiation or because of irradiation?] Hauhrich R, et al. *Strahlentherapie* 146:94-103, Jul 73 (Eng. Abstr.) (Ger)

THERAPY

Testicular tumors: 40 years' experience. Culp DA, et al. *J Urol* 110:548-53, Nov 73
 Testicular tumors in infants and children. Smith JP. *Urology* 2:353-60, 4 Oct 73

VETERINARY

A sertoli-cell tumor in ectopic testicular tissue. Robinson RR. *Mod Vet Pract* 54:69, Oct 73

TESTIS

ABNORMALITIES

The prune belly syndrome. Report of 20 cases and description of a lethal variant. Rogers LW, et al. *J Pediatr* 83:786-93, Nov 73
 Morphine-induced fetal malformations. 3. Possible mechanisms of action. Arcuri PA, et al. *J Pharm Sci* 62:1626-34, Oct 73
 Bilateral torsion of the appendix testis. Rose MB, et al. *J Urol* 110:408-9, Oct 73
 A sertoli-cell tumor in ectopic testicular tissue. Robinson RR. *Mod Vet Pract* 54:69, Oct 73
 Teratology studies on methylmercury hydroxide and nitrilotriacetate sodium in rats. Scharpf LG Jr, et al. *Nature* 241:461-3, 16 Feb 73
 Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Bidlingmaier F, et al. *Pediatr Res* 7:901-7, Nov 73
 Mixed gonadal dysgenesis. Davidoff F, et al. *Pediatrics* 52:725-42, Nov 73
 [Therapy of testicular dystopia, obstruction of efferent ejaculatory ducts and of varicocele from the andrological viewpoint] Breit R, et al. *Ther Ggw* 112:1088-90 passim, Jul 73 (Ger)

THECA CELL TUMOR

COMPLICATIONS

[Fibro-thecoma of the ovary with pleural effusion and ascites] Kron B. *Sem Hop Paris* 49:1318-9, 14 Apr 73 (Fre)

PHYSIOPATHOLOGY

[Granulosa and thecal tumors of the ovary] Verhaeghe M, et al. *Lille Med* 18:609-19, Jun-Jul 73 (Fre)

SURGERY

[Granulosa and thecal tumors of the ovary] Verhaeghe M, et al. *Lille Med* 18:809-19, Jun-Jul 73 (Fre)

TURNER'S SYNDROME

BLOOD

The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG. *Endocrinol Exp (Bratisl)* 7:193-201, Sep 73

Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. Boyar RM, et al. *J Clin Endocrinol Metab* 37:521-5, Oct 73

HGH radioimmunoassay. Glucagon and L-dopa stimulation tests. Troncone L, et al. *J Nucl Biol Med* 17:84-91, Apr-Jun 73

Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Biddlingmaier F, et al. *Pediatr Res* 7:901-7, Nov 73

[Serum testosterone-interpretation of the test results] Ibayashi H, et al. *Jap J Clin Med* 31:1539-57, 1973 (87 ref.) (Jap)

[Serum factors protecting calcitonin in Turner's gonadal dysgenesis] Gozariu L, et al. *Stud Cercet Endocrinol* 24:415-21, 1973 (Rum)

[Regulation of blood calcium in the gonadal dysgenesis syndrome] Cordova J, et al. *Rev Med Chl* 101:364-7, May 73 (Eng. Abstr.) (Spa)

COMPLICATIONS

Concurrence of anorexia nervosa and gonadal dysgenesis. A critical review with practical considerations. Liston EH, et al. *Arch Gen Psychiatry* 29:834-6, Dec 73 (28 ref.)

Electrocardiogram and vectorcardiogram in Turner phenotype with normal chromosomes and pulmonary stenosis. Rasmussen K, et al. *Br Heart J* 35:937-45, Sep 73

Intersexual problems. Money J. *Clin Obstet Gynecol* 18:169-91, Sep 73

An electron-microscope study of a dysgenetic gonad containing a focus of apparent gonadoblastoma. Cummins PA, et al. *J Pathol* 110:plv, Jul 73

Letter: Malignant hypersyrexia or the XX-XY Turner phenotype? Pinsky L, et al. *J Pediatr* 83:896-7, Nov 73

Primary amenorrhoea. Underhill R. *Nurs Mirror* 137:28-9, 17 Aug 73

The epidemiology of learning disorders. Walzer S, et al. *Pediatr Clin North Am* 20:549-65, Aug 73 (73 ref.)

Gonadal dysgenesis: the XY variant. Mattox JH. *South Med J* 66:839-40, Jul 73

[EEG findings in Turner's syndrome] Palm D, et al. *Monatsschr Kinderheilkd* 121:289-92, Jul 73 (Ger)

DIAGNOSIS

Concurrence of anorexia nervosa and gonadal dysgenesis. A critical review with practical considerations. Liston EH, et al. *Arch Gen Psychiatry* 29:834-6, Dec 73 (28 ref.)

Karyotyping is encouraged. Slotnik EA. *J Am Osteopath Assoc* 72:1044, Jul 73

Mosaic cell lines, or leucocyte culturing anomalies? Keeler C. *J Hered* 64:167-8, May-Jun 73

Letter: Malignant hypersyrexia or the XX-XY Turner phenotype? Pinsky L, et al. *J Pediatr* 83:896-7, Nov 73

Pure gonadal dysgenesis: clinical and genetic studies. Boczkowski K. *Mater Med Pol* 5:197-202, Jul-Sep 73

Laparoscopy in infants and adolescents. Cognat M, et al. *Obstet Gynecol* 42:515-21, Oct 73

[EEG findings in Turner's syndrome] Palm D, et al. *Monatsschr Kinderheilkd* 121:289-92, Jul 73 (Ger)

[Clinical aspects and diagnosis of certain forms of primary amenorrhea] Tonkov AA. *Sov Med* 35:149-51, Jun 72 (Rus)

DRUG THERAPY

The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al. *J Clin Endocrinol Metab* 37:574-80, Oct 73

Gonadal dysgenesis: the XY variant. Mattox JH. *South Med J* 66:839-40, Jul 73

ETIOLOGY

Commentary: Disorders of gonadal development. Stempfel RS Jr. *Pediatrics* 52:635-6, Nov 73

FAMILIAL & GENETIC

Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H. *Acta Obstet Gynecol Scand [Suppl]* 1-78, 1973

Electrocardiogram and vectorcardiogram in Turner phenotype with normal chromosomes and pulmonary stenosis. Rasmussen K, et al. *Br Heart J* 35:937-45, Sep 73

Frequency and morphology of the Y-body in patients with female or ambisexual phenotype. Schwinger E, et al. *Clin Genet* 4:447-9, 1973

Karyotyping is encouraged. Slotnik EA. *J Am Osteopath Assoc* 72:1044, Jul 73

Letter: Mosaic Turner syndrome in a newborn. Lee JC, et al. *JAMA* 226:1122, 26 Nov 73

Pure gonadal dysgenesis: clinical and genetic studies. Boczkowski K. *Mater Med Pol* 5:197-202, Jul-Sep 73

[Clinical and cytogenetic correlations in Turner's syndrome] Walbaum R. *Lille Med* 18:438-50, Apr 73 (Fre)

[Human diseases caused by chromosome aberrations in dentistry] Goudaert M, et al. *Rev Beige Med Dent* 28:195-202, 1973 (Fre)

METABOLISM

[Comparative effects of calcitonin and glucagon on phosphocalcic metabolism in Turner's gonadal dysgenesis] Dascalu R, et al. *Stud Cercet Endocrinol* 24:405-13, 1973 (Rum)

[Serum factors protecting calcitonin in Turner's gonadal dysgenesis] Gozariu L, et al. *Stud Cercet Endocrinol* 24:415-21, 1973 (Rum)

OCCURRENCE

Concurrence of anorexia nervosa and gonadal dysgenesis. A critical review with practical considerations. Liston EH, et al. *Arch Gen Psychiatry* 29:834-6, Dec 73 (28 ref.)

PATHOLOGY

An electron-microscope study of a dysgenetic gonad containing a focus of apparent gonadoblastoma. Cummins PA, et al. *J Pathol* 110:plv, Jul 73

Gonadal dysgenesis: the XY variant. Mattox JH. *South Med J* 66:839-40, Jul 73

[Clinical and cytogenetic correlations in Turner's syndrome] Walbaum R. *Lille Med* 18:438-50, Apr 73 (Fre)

PHYSIOPATHOLOGY

Manual and oral stereognosis in children with cleft palate, gonadal dysgenesis, pseudohypoparathyroidism, oral facial digital syndrome and Kallman's syndrome. Catalanotto FA, et al. *Arch Oral Biol* 18:1227-32, Oct 73

Electrocardiogram and vectorcardiogram in Turner phenotype with normal chromosomes and pulmonary stenosis. Rasmussen K, et al. *Br Heart J* 35:937-45, Sep 73

RADIOGRAPHY

Pure gonadal dysgenesis: clinical and genetic studies. Boczkowski K. *Mater Med Pol* 5:197-202, Jul-Sep 73

THERAPY

Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. Boyar RM, et al. *J Clin Endocrinol Metab* 37:521-5, Oct 73

GONADS

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

ALGESTONE ACETOPHENIDE

SECRETION

Androgen production by testes of *Gallus domesticus* during postembryonic development. Galli FE, et al. *Gen Comp Endocrinol* 21:262-6, Oct 73
Ovarian secretion of oestradiol, oestrone, 20-dihydroprogesterone and progesterone during the oestrous cycle of the guinea-pig. Joshi HS, et al. *J Reprod Fertil* 35:177-81, Oct 73

ANABOLIC STEROIDS

Drug abuse and drugs in sports. Personal observations. Novich MM. *NY State J Med* 73:2597-600, 1 Nov 73

ADMINISTRATION & DOSAGE

[Effect of infusion solutions and anabolic steroids in parenteral protein rehabilitation] Kudlička V, et al. *Cas Lek Cesk* 112:1353-7, 2 Nov 73 (Eng. Abstr.) (Cze)
[Active sportswomen and gynaecological problems] Louda B. *Cesk Gynkol* 38:546-7, Jul 73 (Cze)
[Therapy of plasmacytoma] Fateh-Moghadam A. *Munch Med Wochenschr* 115:861-4, 4 May 73 (Eng. Abstr.) (Ger)
[Treatment of protracted forms of viral hepatitis with nerobol] Iatsenko LA. *Ter Arkh* 45:43-7, Jul 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Marked acoustical signs of voice virilization in girls] Prusiewicz A, et al. *Folia Phoniatr (Basel)* 25:331-41, 1973 (Eng. Abstr.) (Ger)

METABOLISM

Circadian rhythms of drug effectiveness and toxicity. Ede MC. *Clin Pharmacol Ther* 14:925-35, Nov-Dec 73 (77 ref.)

PHARMACODYNAMICS

Hormonal properties of 19-nortestosterone-homofarnesate (DA 1979), a new anabolic agent. Coppl G, et al. *Arzneim Forsch* 23:907-11, Jul 73
The metabolic significance of pantothenic acid as assessed by its levels in serum in various clinical and experimental conditions. Markkanen T. *Int J Vitam Nutr Res* 43:302-17, 1973
[Treatment of protracted forms of viral hepatitis with nerobol] Iatsenko LA. *Ter Arkh* 45:43-7, Jul 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Hematological effect of corticosteroids and anabolic steroids on aplastic anemia patients. Yamagishi M, et al. *Acta Haematol Jap* 36:9-24, Feb 73
[Aplastic anaemia caused by isolated bone marrow reticulosis in infancy (author's transl)] Weippl G. *Klin Paediatr* 185:326-31, Jul 73 (Eng. Abstr.) (Ger)
[Therapy of dystrophic children in the course of malabsorption] Szczepski O. *Monatsschr Kinderheilkd* 121:379-81, Jul 73 (Ger)
[Therapy of plasmacytoma] Fateh-Moghadam A. *Munch Med Wochenschr* 115:861-4, 4 May 73 (Eng. Abstr.) (Ger)
[Anabolic hormones as a means of correcting electrolyte metabolic disorders in chronic enterocolitis in children] Bodnia IA. *Pediatrilia* 52:26-30, Jul 73 (Eng. Abstr.) (Rus)
[Treatment of protracted forms of viral hepatitis with nerobol] Iatsenko LA. *Ter Arkh* 45:43-7, Jul 73 (Eng. Abstr.) (Rus)
[Possibilities of differential treatment of the chronic

form of ischemic heart disease] Miasnikov LA, et al. *Ter Arkh* 45:8-21, 1973 (Eng. Abstr.) (Rus)
[Role of anabolic steroids in the treatment of gunshot fractures] Dmitriev VB, et al. *Voen Med Zh* 6:28-30, Jun 73 (Rus)
[Various clinico-rheoencephalographic correlations in chronic vascular hypotension] Rybakov VK. *Zh Nevropatol Psikhiatr* 73:25-30, 1973 (Eng. Abstr.) (Rus)

ANDROGENS

Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. *Biochim Biophys Acta* 318:225-34, 22 Aug 73
Drug abuse and drugs in sports. Personal observations. Novich MM. *NY State J Med* 73:2597-600, 1 Nov 73

ADMINISTRATION & DOSAGE

[Influence of early postnatal androgenization of female rats on the progeria-like syndrome following administration of dihydrotachysterol] Churý Z. *Cesk Patol* 9:159-64, Aug 73 (Eng. Abstr.) (Cze)

ANALYSIS

Intermale stimuli and testicular function in adult and immature house mice. McKinney TD, et al. *Biol Reprod* 9:370-8, Nov 73
[Androgen fractionation obtained by means of thin-layer chromatography in cases of adrenocortical diseases] Baranowska B. *Pol Tyg Lek* 28:1347-50, 27 Sep 73 (Eng. Abstr.) (Pol)

ANTAGONISTS & INHIBITORS

Reduction of sebum excretion in man by the antiandrogen, cyproterone acetate. Burton JL, et al. *Br J Dermatol* 89:487-90, Nov 73
Effect of oral cyproterone acetate on urinary FSH and LH levels in males being treated for hypersexuality. Marcus AW. *J Reprod Fertil* 33:356-7, May 73

BIOSYNTHESIS

Postnatal development of the testis, fighting behavior, and fertility in house mice. McKinney TD, et al. *Biol Reprod* 9:279-94, Oct 73
Adverse effects of cadmium on brook trout testis and on in vitro testicular androgen synthesis. Sangalang GB, et al. *Biol Reprod* 9:394-403, Nov 73
Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
Biphasic effect of testosterone on spermatogenesis in the rat. Waisb PC, et al. *Invest Urol* 11:190-3, Nov 73
Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. Dey SK, et al. *J Reprod Fertil* 34:475-9, Sep 73
Letter: Vasectomy: long-term effects. Alexander NJ. *Science* 182:946-7, 20 Nov 73
[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. *Urol Int* 28:360-3, 1973 (Eng. Abstr.) (Ger)

BLOOD

Postnatal development of the testis, fighting behavior, and fertility in house mice. McKinney TD, et al. *Biol Reprod* 9:279-94, Oct 73
Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al. *Clin Chim Acta* 47:281-8, 30 Aug 73
[Serum testosterone--interpretation of the test results] Ihayashi H, et al. *Jap J Clin Med* 31:1539-57, 1973 (87 ref.) (Jap)

DIAGNOSTIC USE

- [Thermogenic capacity of breast carcinomas. II. Variation during hormonal tests] Gautberle M, et al. *Blomedicine* 18:421-8, Sep 73 (Eng. Abstr.) (Fre)

METABOLISM

- Baldness: a disease? Montagna W. *J Am Med Wom Assoc* 28:447-50 passim, Sep 73
- Development of increased cytoplasmic binding of androgen in the submandibular gland of the mouse with testicular feminization. Dunn JF, et al. *J Biol Chem* 248:7819-25, 25 Nov 73
- Constitutional birtulism: endocrinopathy or genetic curse. Greenblatt RB, et al. *J Reprod Med* 11:96-8, Sep 73
- Evaluation of the specific activity of biobchemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. Morfin RF, et al. *J Steroid Biochem* 4:381-91, Jul 73
- [Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. *Urol Int* 28:360-3, 1973 (Eng. Abstr.) (Ger)
- [Interaction of hormone with its receptors (author's transl)] Kato J. *Protein Nucleic Acid Enzyme (Tokyo)* 18:618-30, Jun 73 (153 ref.) (Jap)
- [Androgen fractionation obtained by means of thin-layer chromatography in cases of adrenocortical diseases] Baranowska B. *Pol Tyg Lek* 28:1347-50, 27 Sep 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

- Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singbal RL. *Adv Pharmacol Chemother* 11:99-150, 1973 (415 ref.)
- Biological evidence for androgen secretion by the early fetal pig testes in organ culture. Moon YS, et al. *Biol Reprod* 9:330-7, Nov 73
- Biodynamic studies of hamster flank organ growth: hormonal influences. Frost P, et al. *J Invest Dermatol* 61:159-67, Sep 73
- Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. *J Steroid Biochem* 4:341-7, Jul 73
- [Influence of early postnatal androgenization of female rats on the progeria-like syndrome following administration of dihydrotestosterone] Churý Z. *Cesk Patol* 9:159-64, Aug 73 (Eng. Abstr.) (Cze)
- [Mestoranum. What justification has this androgenic steroid?] Frey H. *Tidsskr Nor Laegeforen* 93:1163-4, 30 May 73 (Nor)

PHYSIOLOGY

- Frequency and morphology of the Y-body in patients with female or ambisexual phenotype. Schwinger E, et al. *Clin Genet* 4:447-9, 1973
- Letter: Odour-blindness to musk: simple recessive inheritance. Whissell-Buechy D, et al. *Nature* 245:157-8, 21 Sep 73
- Effects of sex hormones on sleep patterns of male rats gonadectomized in adulthood and in the neonatal period. Branchey L, et al. *Physiol Behav* 11:609-11, Nov 73
- The effects of gonadectomy on the sex differences in dietary self-selection patterns and carcass compositions of rats. Leabner AI, et al. *Physiol Behav* 11:671-6, Nov 73

SECRETION

- The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. Moon YS, et al. *Am J Anat* 138:253-67, Oct 73
- Biological evidence for androgen secretion by the early fetal pig testes in organ culture. Moon YS, et al. *Biol Reprod* 9:330-7, Nov 73
- Androgen production by testes of *Gallus domesticus* during postembryonic development. Galli FE, et al. *Gen Comp Endocrinol* 21:262-6, Oct 73
- A sex-linked gene controlling gonadotrop differentiation and its significance in determining the age of sexual maturation and size of the platyfish, *Xiphophorus maculatus*. Kallman KD, et al. *Gen Comp Endocrinol* 21:287-304, Oct 73
- [On a case of active hormonal adrenal neoplasm] Jekell W, et al.

Pediatrics (Bucur) 22:55-62, Jan-Feb 73 (Eng. Abstr.) (Rum)

THERAPEUTIC USE

- Letter: Acute myelomonocytic leukemia after cessation of androgen therapy. Gorsbein D, et al. *Ann Intern Med* 79:749-50, Nov 73
- The treatment of menopausal disorders. Connon AF. *Drugs* 6:137-42, 1973
- Aplastic anaemia in childhood: a reappraisal. II. Idiopathic and acquired aplastic anaemia. Hughes DW. *Med J Aust* 2:361-6, 25 Aug 73
- Growth and development in adolescence. Kogut MD. *Pediatr Clin North Am* 20:789-806, Nov 73 (111 ref.)
- [A controlled clinical trial for hormonal and combined cyclophosphamide-hormonal treatment of incurable breast cancer (author's transl)] Wolff G, et al. *Arch Geschwulstforsch* 41:363-72, 1973 (Eng. Abstr.) (Ger)
- [Mestoranum. What justification has this androgenic steroid?] Frey H. *Tidsskr Nor Laegeforen* 93:1163-4, 30 May 73 (Nor)

URINE

- Endometrial cancer. Facts and theories. Nordqvist SR. *Pathol Annu* 8:283-300, 1973 (93 ref.)
- [Hydrocortisone therapy of the AGS (adrenogenital syndrome)] Rager K, et al. *Monatsschr Kinderheilkd* 121:411-2, Jul 73 (Ger)
- [Prognostic value of the determination of urinary metabolites of androgens and corticoids in bronchopulmonary cancer] Frenkel Z, et al. *Stud Cercet Endocrinol* 24:423-9, 1973 (Rum)

ANDROSTANES

- Microbiological hydroxylation of steroids. 8. The pattern of monohydroxylation of diketones and keto-alcohols derived from 5 alpha-androstane with cultures of the fungus, *Rhizopus nigricans*. Chambers VE, et al. *J Chem Soc [Perkin I]* 14:1500-11, 1973
- Bibliography of paper and thin-layer chromatography 1966-1969. Steroids. *J Chromatogr* 246-85, 1972
- Carbon-13 nuclear magnetic resonance spectra of keto steroids. Eggert H, et al. *J Org Chem* 38:3788-92, 19 Oct 73
- A direct low temperature 1H and 19F nuclear magnetic resonance study of boron trifluoride complexes with 4-cholesten-3-one, 1(5beta)-androstene-3,17-dione, 5beta-androstane-3,17-dione, and obacunone. Schuster RE, et al. *J Org Chem* 38:2904-8, 10 Aug 73

ANALYSIS

- Computer evaluation of gas chromatographic-mass spectrometric analyses of steroids from biological materials. Reimendal R, et al. *Anal Chem* 46:1083-9, Jun 73

BIOSYNTHESIS

- Conversion of (4-14C)5 alpha-pregnane-3, 20-dione to 5 alpha-C19-steroids by the prepubertal rat testis. Richards G, et al. *J Endocrinol* 59:185-6, Oct 73
- Evaluation of the specific activity of biobchemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. Morfin RF, et al. *J Steroid Biochem* 4:381-91, Jul 73
- Steroid metabolism by mouse submaxillary glands. I. In vitro metabolism of testosterone and 4-androstene-3,17-dione. Coffey JC. *Steroids* 22:247-57, Aug 73

BLOOD

- Demonstration of a specific binding protein for testosterone and 5alpha-dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al. *Steroids* 22:185-92, Aug 73

CHEMICAL SYNTHESIS

- Steroids and related studies. XX. 4,17a-Diaza-D-bomo-steroids. Singh H, et al. *J Chem Soc [Perkin I]* 11:1204-6, 1973
- Pancuronium bromide and other steroidal neuromuscular blocking agents containing

- acetylcholine fragments. Buckett WR, et al.
J Med Chem 16:1118-24, Oct 73
 15-Oxa steroids. Rosen P, et al.
J Org Chem 38:3040-6, 24 Aug 73

METABOLISM

- Metabolism of testosterone by preparations from the rat testis. Dorrington JH, et al.
Biochem Biophys Res Commun 54:1425-31, 15 Oct 73
 Microbiological hydroxylation of steroids. VII. The pattern of dihydroxylation of mono-oxo-5 alpha-androstanes and 5 alpha-estrans with the fungus *Rhizopus nigricans*. Browne JW, et al.
J Chem Soc [Perkin I] 14:1493-9, 1973
 Influence of medroxyprogesteroneacetate on testosterone metabolism by cultured human fibroblasts: a model for drug-steroid interaction. Saenger P, et al.
J Clin Endocrinol Metab 37:780-4, Nov 73

PHARMACODYNAMICS

- Restoration of the ability of frog skeletal muscle to develop potassium contractures in calcium-deficient media. Foulks JG, et al.
Can J Physiol Pharmacol 51:335-43, May 73
 Steroids and related studies. XX.
 4,17a-Diaza-D-homo-steroids. Singh H, et al.
J Chem Soc [Perkin I] 11:1204-6, 1973
 Pancuronium bromide and other steroidal neuromuscular blocking agents containing acetylcholine fragments. Buckett WR, et al.
J Med Chem 16:1118-24, Oct 73
 Pancuronium. *Med Lett Drugs Ther* 15:83, Sep 73

TOXICITY

- Pancuronium bromide and other steroidal neuromuscular blocking agents containing acetylcholine fragments. Buckett WR, et al.
J Med Chem 16:1118-24, Oct 73

URINE

- The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setcheil KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73

ANDROSTENEDIONE

ADMINISTRATION & DOSAGE

- Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al.
Am J Vet Res 34:1409-19, Nov 73

BIOSYNTHESIS

- In vitro steroidogenesis in feline testes. O R, et al.
Biochim Biophys Acta 316:395-402, 25 Sep 73
 Testicular function in sterile Steel mice. Youngal EV, et al. *Biol Reprod* 9:317-23, Oct 73
 The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al.
Can J Physiol Pharmacol 51:313-8, May 73
 The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al.
J Clin Endocrinol Metab 37:746-51, Nov 73
 Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al.
J Endocrinol 58:485-91, Sep 73
 Androgen metabolism in rat interstitial tissue and seminiferous tubules. Richards G, et al.
Nature 244:359-61, 10 Aug 73
 Steroid metabolism by mouse submaxillary glands. I. In vitro metabolism of testosterone and 4-androstene-3,17-dione. Coffey JC.
Steroids 22:247-57, Aug 73
 Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al.
Steroids 22:337-50, Sep 73

BLOOD

- Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.
Clin Chim Acta 47:281-8, 30 Aug 73

- Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73
 The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al.
J Clin Endocrinol Metab 37:746-51, Nov 73
 Demonstration of a specific binding protein for testosterone and 5alpha-dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al.
Steroids 22:185-92, Aug 73

ISOLATION & PURIFICATION

- Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. *Steroids* 22:379-99, Sep 73

METABOLISM

- In vitro conversion of (4-14C) dehydroepiandrosterone and androstenedione to oestrogens by the microsomes of placentas from normal, toxemic, diabetic and postmature pregnancies. Lehmann WD, et al. *Acta Endocrinol (Kbh)* 73:771-89, Aug 73
 In vitro steroidogenesis in feline testes. O R, et al.
Biochim Biophys Acta 316:395-402, 25 Sep 73
 Inability of the testosterone-estrogen-binding globulin to catalyze the oxidation or reduction of steroids in the presence of pyridine nucleotides. Kelly WG, et al.
J Clin Endocrinol Metab 37:981-3, Dec 73
 Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al.
J Endocrinol 59:7-16, Oct 73
 Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al.
J Endocrinol 58:463-75, Sep 73
 Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. Tsang WN, et al. *J Reprod Fertil* 34:513-7, Sep 73
 Leydig cell differentiation, steroid metabolism by the interstitium in vitro and the growth of the accessory sex organs in the rat. Tsang WN, et al.
J Reprod Fertil 34:351-5, Aug 73
 Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al.
J Steroid Biochem 4:369-79, Jul 73
 Steroid hormone production by pig blastocysts. Perry JS, et al. *Nature* 245:45-7, 7 Sep 73
 Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al.
Recent Prog Horm Res 29:85-109, 1973
 Steroid metabolism by mouse submaxillary glands. I. In vitro metabolism of testosterone and 4-androstene-3,17-dione. Coffey JC.
Steroids 22:247-57, Aug 73

PHARMACODYNAMICS

- Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al.
Am J Vet Res 34:1409-19, Nov 73
 Biodynamic studies of hamster flank organ growth: hormonal influences. Frost P, et al.
J Invest Dermatol 61:159-67, Sep 73
 Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73
 Regulation of scent marking in the female Mongolian gerbil *Meriones unguiculatus*. Owen K, et al.
Physiol Behav 11:441-5, Oct 73

SECRETION

- Androgen production by testes of *Gallus domesticus* during postembryonic development. Galli FE, et al.
Gen Comp Endocrinol 21:262-8, Oct 73

URINE

- Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.
Clin Chim Acta 47:281-8, 30 Aug 73

ANDROSTENES

ANDROSTENES

Bridged D-ring steroid analogs. XII. Effect of D-ring substituents on chemical shift of angular methyl protons. Solo AJ, et al. *J Pharm Sci* 62:1471-5, Sep 73
Degradation of progesterone by aspergilli-side chain cleaving enzymes. el-Refai AH, et al.
Z Allg Mikrobiol 13:201-6, 1973

ANALYSIS

Free and sulphate-conjugated 16-unsaturated C19 steroids in human testis tissue. Ruokonen A.
Biochim Biophys Acta 316:251-5, 23 Aug 73

BIOSYNTHESIS

Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al.
J Endocrinol 59:7-16, Oct 73
Evaluation of the specific activity of biochemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. Morfin RF, et al.
J Steroid Biochem 4:381-91, Jul 73

BLOOD

Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.
Clin Chim Acta 47:261-8, 30 Aug 73

CHEMICAL SYNTHESIS

Stereocontrolled total synthesis of 19-nor steroids. Hajos ZG, et al. *J Org Chem* 38:3244-9, 21 Sep 73

ISOLATION & PURIFICATION

1,4-Androstadiene-3,17-dione found in the urine of a boy. Jung G, et al. *Steroids* 22:293-306, Aug 73

URINE

Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.
Clin Chim Acta 47:261-8, 30 Aug 73
1,4-Androstadiene-3,17-dione found in the urine of a boy. Jung G, et al. *Steroids* 22:293-306, Aug 73

ANDROSTENOLS

ADMINISTRATION & DOSAGE

Pharmacokinetics of the gonadotrophin inhibitor 19 beta-cis-ethyliden-17 alpha-ethynyl-17 beta-hydroxy-androstatrien-3-one (Ro 6-5403) in man. Dixon R, et al. *J Steroid Biochem* 4:355-62, Jul 73

ANALYSIS

Free and sulphate-conjugated 16-unsaturated C19 steroids in human testis tissue. Ruokonen A.
Biochim Biophys Acta 316:251-5, 23 Aug 73

BIOSYNTHESIS

In vitro steroidogenesis in feline testes. O R, et al.
Biochim Biophys Acta 316:395-402, 25 Sep 73
In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
Androgen metabolism in rat interstitial tissue and seminiferous tubules. Richards G, et al.
Nature 244:359-61, 10 Aug 73
[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al.
Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

BLOOD

Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.
Clin Chim Acta 47:261-8, 30 Aug 73
[Therapy of psoriasis with dehydroepiandrosterone-enanthate. II. Intramuscular depot application of 300 mg weekly (author's transl)] Holzmänn H, et al.

GONADS

Arch Dermatol Forsch 247:23-8, 1973 (Eng. Abstr.) (Ger)

CHEMICAL SYNTHESIS

Aromatization of some steroidal enediols. Baldwin D, et al. *J Chem Soc [Perkin I]* 16:1704-7, 1973

METABOLISM

Studies in porphyria. II. Evidence for a deficiency of steroid delta-4-5-alpha-reductase activity in acute intermittent porphyria. Bradlow HL, et al.
J Exp Med 138:754-63, 1 Oct 73
Pharmacokinetics of the gonadotrophin inhibitor 19 beta-cis-ethyliden-17 alpha-ethynyl-17 beta-hydroxy-androstatrien-3-one (Ro 6-5403) in man. Dixon R, et al. *J Steroid Biochem* 4:355-62, Jul 73
[Metabolism of 3H-testosterone and 3H-5alpha-DHT in the normal and adenomatous prostate (author's transl)] Becker H, et al.
Urol Int 28:350-5, 1973 (Eng. Abstr.) (Ger)
[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al.
Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

[Treatment of arterial hypertension. Clinico-therapeutic aspects of a new association: potassium canrenoate of altizide-rescinnamine] Restivo O, et al.
Minerva Cardioangiol 21:585-604, Sep 73 (Eng. Abstr.) (Ita)

URINE

Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.
Clin Chim Acta 47:261-8, 30 Aug 73
Studies in porphyria. II. Evidence for a deficiency of steroid delta-4-5-alpha-reductase activity in acute intermittent porphyria. Bradlow HL, et al.
J Exp Med 138:754-63, 1 Oct 73

CHLORMADINONE

ADMINISTRATION & DOSAGE

Mammary nodules in dogs during four years' treatment with megestrol acetate or chlormadinone acetate. Nelson LW, et al. *J Natl Cancer Inst* 51:1303-11, Oct 73

ANALYSIS

High-efficiency liquid chromatography in pharmaceutical analysis. Bailey F, et al.
J Chromatogr 83:431-7, 29 Aug 73

METABOLISM

Absorption of chlormadinone acetate and norethindrone from in situ rat gut. Pelzmann KS.
J Pharm Sci 62:1609-14, Oct 73

PHARMACODYNAMICS

Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Meglioli G, et al. *Horm Res* 4:288-92, 1973
Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Meglioli G, et al. *Horm Res* 4:97-106, 1973
Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73
[Optimal in cattle following estrus synchronization using chlormadinone acetate (CAP)] Stolla R, et al. *Berl Munch Tierarztl Wochenschr* 86:384-7, 15 Oct 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

[Treatment of the carcinoma of the prostate with gestagens (author's transl)] Popeller G.
Urologe [A] 12:134-9, May 73 (Eng. Abstr.) (Ger)

TOXICITY

Mammary nodules in dogs during four years' treatment

with megestrol acetate or chlormadinone acetate. Nelson LW, et al. *J Natl Cancer Inst* 51:1303-11, Oct 73

CHLOROTRIANISENE

ADMINISTRATION & DOSAGE

A clinical study of lactation suppression. Schwartz DJ, et al. *Obstet Gynecol* 42:599-606, Oct 73

CLOMIPHENE

ADMINISTRATION & DOSAGE

Development of a testicular tumour during clomiphene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73
Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
Experimental investigation on the effect of clomiphene on the gonadotrophin secretion of the rat pituitary. Mayer HG. *Endocrinol Exp (Bratisl)* 7:177-82, Sep 73
Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA. *J Am Osteopath Assoc* 73:35-8, Sep 73
The inhibition of lactation by clomiphene. Zuckerman H, et al. *J Obstet Gynaecol Br Commonw* 80:822-3, Sep 73

ADVERSE EFFECTS

Development of a testicular tumour during clomiphene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73
Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
Letter: Anencephaly, ovulation stimulation, subfertility, and illegitimacy. *Lancet* 2:916-7, 20 Oct 73
The use of clomiphene citrate in the treatment of anovulation. Kistner RW. *Semin Drug Treat* 3:159-76, Autumn 73 (25 ref.)

PHARMACODYNAMICS

The infertile woman. Kistner W. *Am J Nurs* 73:1937-43, Nov 73
Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
Anti-oestrogenic activity in compounds related to ethamoxyltriphenol (MER 25), clomiphene and MRL 37. Clark ER, et al. *Br J Pharmacol* 48:345P, Jun 73
Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
Experimental investigation on the effect of clomiphene on the gonadotrophin secretion of the rat pituitary. Mayer HG. *Endocrinol Exp (Bratisl)* 7:177-82, Sep 73
The inhibition of lactation by clomiphene. Zuckerman H, et al. *J Obstet Gynaecol Br Commonw* 80:822-3, Sep 73
The effect of cis- and trans-clomiphene citrate on sialic acid in the uterus, cervix and vagina of rats during delayed implantation. Sankaran MS, et al. *J Reprod Fertil* 35:203-10, Nov 73
Identification by radioimmunoassay of the luteinizing hormone-releasing hormone in human urine. Jeffcoate SL, et al. *Nature* 244:161-2, 20 Jul 73
The use of clomiphene citrate in the treatment of anovulation. Kistner RW. *Semin Drug Treat* 3:159-76, Autumn 73 (25 ref.)
[Letter: The incidence of multiple pregnancies] Csonka I, et al. *Orv Hetil* 114:2629, 28 Oct 73 (Hun)

THERAPEUTIC USE

Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dhont M, et al. *Ann Endocrinol (Paris)* 34:319-26, May-Jun 73
Development of a testicular tumour during clomiphene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73
Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG. *Endocrinol Exp (Bratisl)* 7:193-201, Sep 73
The causes of sterility in females with familial Mediterranean fever. Ismajovich B, et al. *Fertil Steril* 24:844-7, Nov 73

The effect of treatment for nonovulation, or an induced-ovulation pregnancy, upon subsequent menstrual patterns and further spontaneous pregnancy. Matthews CD, et al. *Fertil Steril* 24:758-62, Oct 73

Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA. *J Am Osteopath Assoc* 73:35-8, Sep 73
The use of clomiphene citrate in the treatment of anovulation. Kistner RW. *Semin Drug Treat* 3:159-76, Autumn 73 (25 ref.)
[Conservative or surgical treatment of patients with Stein-Leventhal syndrome] Markovski N. *Akush Ginekol (Sofia)* 12:9-13, 1973 (Eng. Abstr.) (Bul)

[A female case of Prader and Willi syndrome; exploration at the post puberal age (author's transl)] Schaison G, et al. *Ann Endocrinol (Paris)* 34:286-8, May-Jun 73 (Eng. Abstr.) (Fre)
[Galactorrhea induced by oral contraceptives] Sas M, et al. *Orv Hetil* 114:2845-6, 25 Nov 73 (Hun)

CONTRACEPTIVES, ORAL

Ischaemic heart disease in women. A study based on a randomized population sample of women and women with myocardial infarction in Göteborg, Sweden. Bengtsson C. *Acta Med Scand [Suppl]* 5:1-128, 1973
Inadvertent rubella immunization in pregnancy. Ebbin AJ, et al. *Am J Obstet Gynecol* 117:505-12, 15 Oct 73
Contraceptive practices of wives of obstetricians. Wasserthell-Smoller S, et al. *Am J Obstet Gynecol* 117:709-15, 1 Nov 73
A study on the relationship of porphyria cutanea tarda and liver damage. Horkay I, et al. *Arch Dermatol Forsch* 247:235-43, 19 Sep 73
Hospital family planning: termination of pregnancy and contraceptive use. Newton J, et al. *Br Med J* 4:280-4, 3 Nov 73
Selecting the optimum oral contraceptive. Nelson JH. *J Reprod Med* 11:135-41, Oct 73
Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busseton population. Mathews JD, et al. *Lancet* 2:754-8, 6 Oct 73
A study of 2,245 women attending a hospital family planning clinic in Melbourne and the effect of the clinic on the hospital birth rate. Leeton J, et al. *Med J Aust* 2:67-70, 14 Jul 73
Editorial: Family planning in Australia. *Med J Aust* 2:473-4, 8 Sep 73
Advances in medicine. Gardwood RH. *Practitioner* 211:407-18, Oct 73 (59 ref.)
Clinical evaluation of a normophasic oral contraceptive. Netelevitz M. *S Afr Med J* 47:1943-7, 20 Oct 73
Letter: Guide to steroid contraception in general practice. Netelevitz M. *S Afr Med J* 47:2040, 3 Nov 73
Laparoscopic removal of an intrauterine contraceptive device in an oral contraceptive user. Holt R. *South Med J* 66:1050, Sep 73
Costa Rica: measuring the demographic impact of family planning programs. Reynolds J. *Stud Fam Plann* 4:310-6, Nov 73
[Clinical study of a new oral contraceptive: ovostat] Callaerts J, et al. *Brux Med* 53:409-18, Jul 73 (Eng. Abstr.) (Fre)
[Report on the experiences of the Porphyria Advisory Board of Berlin (West) (author's transl)] Brugsch J. *Z Klin Chem Klin Biochem* 11:273, Jun 73 (Ger)
[Sex-specific differences in the free amino acids in adult urine (author's transl)] Liappis N. *Z Klin Chem Klin Biochem* 11:279-85, Jul 73 (Eng. Abstr.) (Ger)
[Determination of the effective thyroxine ratio (ETR) (author's transl)] Rudorff KH, et al. *Z Klin Chem Klin Biochem* 11:259-62, Jun 73 (Ger)

ADMINISTRATION & DOSAGE

Oral contraception. Eichner E. *Med Trial Tech Q* 361-6, 1973
Advances in hormonal contraception. Swyer GI. *Practitioner* 211:535-40, Oct 73 (32 ref.)
[Contraception following delivery] Sievers S. *Fortschr Med* 91:1225-6, 8 Nov 73 (Ger)
[The potency of the progestational agents in oral contraceptives (author's transl)] Rindt W. *Geburtshilfe Frauenheilkd* 30:440-46, Aug 73 (Eng. Abstr.) (Ger)
[Disturbances of color vision after long-term use of oral

- contraceptives (author's transl)] Neubauer O.
Klin Monatsbl Augenheilkd 162:803-6, Jun 73 (Eng.
Abstr.) (Ger)
[Mammograms in women taking oral contraceptives
(author's transl)] Brezina K, et al.
Wien Klin Wochenschr 85:785-90, 30 Nov 73 (Eng.
Abstr.) (Ger)

ADVERSE EFFECTS

- Pharmacology of contraceptive agents--new
compounds with new problems? Sample RG.
Am J Pharm 145:142-5, Jul-Aug 73
Oral contraceptives, pyridoxine, and depression.
Winston F. Am J Psychiatry 130:1217-21, Nov 73
Erythema nodosum and serological lupus
erythematosus. Simultaneous occurrence in a patient
using oral contraceptives. Elias PM.
Arch Dermatol 108:716-8, Nov 73
Intimal vascular lesions associated with female
reproductive steroids. Irey NS, et al.
Arch Pathol 96:227-34, Oct 73
The relationship of oral contraception to depressive
symptoms. Leeton J.
Aust NZ J Obstet Gynaecol 13:115-20, May 73
Letter: Intracranial venous thrombosis and the pill.
Holberton PN. Br Med J 4:51, 6 Oct 73
Effect on neonatal jaundice of oestrogens and
progestogens taken before and after conception.
McConnell JB, et al. Br Med J 3:605-7, 22 Sep 73
Chromosome damage induced by chemicals. Bishun NP,
et al. Chem Biol Interact 6:375-92, Jun 73 (68 ref.)
Evaluation of the hypertensive patient. Gifford RW Jr.
Chest 64:336-40, Sep 73
Headaches related to contraceptive therapy and their
control. Desrosiers JJ. Headache 13:117-24, Oct 73
Oral contraceptives and thromboembolic disease. Drill
VA. Hum Pathol 4:454-6, Dec 73
Secondary hyperlipidaemia. Chait A.
J Clin Pathol [Suppl] 5:Suppl 5:68-71, 1973 (32 ref.)
Adverse drug reaction: an analysis of 310 consecutive
reports to the Swedish drug reaction committee.
Böttiger LE. J Clin Pharmacol 13:373-82, Oct 73
Guest editorial: Exogenous hormones--boon or culprit?
Wynder EL, et al. J Natl Cancer Inst 51:729-31, Sep 73
Success of randomization in a controlled contraceptive
experiment. Fuertes-de la Haha A, et al.
J Reprod Med 11:142-8, Oct 73
Selecting the optimum oral contraceptive. Nelson JH.
J Reprod Med 11:135-41, Oct 73
Letter: Birth defects and oral contraceptives. Balci S,
et al. Lancet 2:1098, 10 Nov 73
Possible association between benign hepatomas and
oral contraceptives. Baum JK, et al.
Lancet 2:926-9, 27 Oct 73
Letter: Benign hepatomas and oral contraceptives.
Contostavlos DL. Lancet 2:1200, 24 Nov 73
Letter: Pulmonary embolism in a man taking an oral
contraceptive. Rothnie NG, et al. Lancet 2:799, 6 Oct 73
Letter: Thromboembolism and oral contraceptives.
Murphy KJ. Med J Aust 2:343, 18 Aug 73
Editorial: Depression and the pill.
Med J Aust 2:352, 25 Aug 73
Feminins and other vitamin-mineral supplements for
women taking oral contraceptives.
Med Lett Drugs Ther 15:81-2, Sep 73
Oral contraception. Eichner E.
Med Trial Tech Q 361-6, 1973
Letter: Oral contraceptives and risks of
thromboembolism. Tuerck DG, et al.
N Engl J Med 289:1423-4, 27 Dec 73
Liver disease during adolescence. Litt IF, et al.
Pediatr Clin North Am 20:945-52, Nov 73
The reproductive adolescent. Raub JL, et al.
Pediatr Clin North Am 20:1005-20, Nov 73 (51 ref.)
Advances in hormonal contraception. Swyer GI.
Practitioner 211:535-40, Oct 73 (32 ref.)
Clinical evaluation of a normophasic oral contraceptive.
Notelovitz M. S Afr Med J 47:1943-7, 20 Oct 73
Letter: Guide to steroid contraception in general
practice. Notelovitz M. S Afr Med J 47:2040, 3 Nov 73
Clinical and epidemiologic aspects of oral
contraceptive safety. Schroggle JJ.
Semin Drug Treat 3:143-56, Autumn 73 (90 ref.)
[Possible carcinogenic action of contraceptives] Rudall
G, et al. Maroc Med 52:558-61, Oct 72 (20 ref.) (Fre)
[Porphyria and oral anticonceptives (author's transl)]
Gutzwiller P.
Dermatologica 146:342-5, 1973 (Eng. Abstr.) (Ger)
[Benign increase in intracranial pressure during oral

- contraception (author's transl)] Janzik HH.
Dtsch Med Wochenschr 98:2028-9, Oct 73 (Eng. Abstr.)
(Ger)

- [Carcinoma in situ and cervical carcinoma during the
use of oral contraceptives] Wunder G.
Fortschr Med 91:1082-4, 27 Sep 73 (Ger)
[The influence of long-term oral contraception on
blood sugar and serum insulin (author's transl)] Beck
A, et al.
Geburtshilfe Frauenheilkd 33:647-52, Aug 73 (Eng.
Abstr.) (Ger)
[Ocular side-effects through oral contraceptives
(author's transl)] Davidson SI.
Klin Monatsbl Augenheilkd 162:800-2, Jun 73 (Eng.
Abstr.) (Ger)
[Vascular changes of the fundus caused by oral
contraceptives (author's transl)] Fanta H.
Klin Monatsbl Augenheilkd 163:13-7, Jul 73 (Eng.
Abstr.) (Ger)
[Disturbances of color vision after long-term use of oral
contraceptives (author's transl)] Neubauer O.
Klin Monatsbl Augenheilkd 162:803-6, Jun 73 (Eng.
Abstr.) (Ger)
[Cerebral disturbances in connection with the use of
oral contraceptives (author's transl)] Reisner H.
Klin Monatsbl Augenheilkd 163:6-12, Jul 73 (Eng.
Abstr.) (Ger)
[Oral contraceptives and glaucoma (author's transl)]
Weinstein P, et al.
Klin Monatsbl Augenheilkd 162:798-800, Jun 73 (Eng.
Abstr.) (Ger)
[Diabetogenic side effects of drug therapy] Janneke J.
Med Klin 68:1046-52, 10 Aug 73 (Ger)
[Relation between oral contraceptive agents and
thyroiditis] Schindler AE.
Med Welt 24:1030, 15 Jun 73 (Ger)
[Complications of therapy in gynecology
(morphological studies of the effects of female sex
hormones and like substances) (review) (author's
transl)] Dallenbach-Hellweg G.
Verh Dtsch Ges Kreislaufforsch 56:252-83, 1972 (Eng.
Abstr.) (Ger)
[Cholestatic hepatosis by ovulation inhibitors (author's
transl)] Dirschmid K.
Verh Dtsch Ges Kreislaufforsch 56:487-9, 1972 (Eng.
Abstr.) (Ger)
[Changes of the cylindrical epithelium from the
cervixmucosa in the normal cycle, in the early
pregnancy and by application from ovulation-blocking
substances (author's transl)] Mohr HJ.
Verh Dtsch Ges Kreislaufforsch 56:521-6, 1972 (Eng.
Abstr.) (Ger)
[Therapy damage in gynecology. (Clinical observations
of the effects of female sexual hormones and of
compounds with similar action) (report) (author's
transl)] Oher KG.
Verh Dtsch Ges Kreislaufforsch 56:283-91, 1972 (Eng.
Abstr.) (Ger)
[Clinical and morphological aspects of cerebrovascular
accidents under oral contraception (author's transl)]
Pendl G, et al.
Verh Dtsch Ges Kreislaufforsch 56:413-7, 1972 (Eng.
Abstr.) (Ger)
[Oral contraceptive therapy and breast diseases, a
morphological study (author's transl)] Prechtel K, et
al.
Verh Dtsch Ges Kreislaufforsch 56:529-32, 1972 (Eng.
Abstr.) (Ger)
[Mammograms in women taking oral contraceptives
(author's transl)] Brezina K, et al.
Wien Klin Wochenschr 85:785-90, 30 Nov 73 (Eng.
Abstr.) (Ger)
[Work incapacity in connection with modern
contraception (author's transl)] Sklovský A, et al.
Cesk Gynecol 38:543-4, Jul 73 (Slo)

ANALYSIS

- [Fluorescence spectroscopic determination of
anti-ovulatory steroids in water and waste water on
thin layer chromatography plate] Kirchner M, et al.
Zentralbl Bakteriol [Orig B] 157:44-52, Apr 73 (Eng.
Abstr.) (Ger)

HISTORY

- Antifertility agents: introduction and history. Balin H,
et al. Semin Drug Treat 3:117-9, Autumn 73

PHARMACODYNAMICS

Contraceptive treatment with low doses of gestagen in cases with medical history of hepatosis of pregnancy. Ylöstalo P, et al.

Acta Obstet Gynecol Scand 52:221-8, 1973

Pharmacology of contraceptive agents--new compounds with new problems? Sample RG.

Am J Pharm 145:142-5, Jul-Aug 73

Effects of a progestin, quinestanol, in older diabetic women. Danowski TS, et al. Horm Res 4:84-96, 1973

Liver function during short-term administration of oral contraceptives in premenopausal women. Jain M, et al. Indian J Med Res 61:570-1, Apr 73

Effects of contraceptive pill constituents on foetal mouse hearts. Hassan MM, et al.

Nature 244:349-51, 10 Aug 73

Letter: Odour-blindness to musk: simple recessive inheritance. Whissell-Buechy D, et al.

Nature 245:157-8, 21 Sep 73

Effect of growth hormone on plasma triglycerides in man. Aziz F, et al.

Proc Soc Exp Biol Med 143:1187-90, Sep 73

Assay of plasminogen using latex flocculation. Wu KK, et al. Proc Soc Exp Biol Med 144:391-3, Nov 73

Clinical evaluation of a normophasic oral contraceptive. Netelevitz M. S Afr Med J 47:1943-7, 20 Oct 73

Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Fregly MJ. Toxicol Appl Pharmacol 25:560-8, Aug 73

The influence of long-term oral contraception on blood sugar and serum insulin (author's transl) Beck A, et al.

Geburtshilfe Frauenheilkd 33:647-52, Aug 73 (Eng. Abstr.) (Ger)

The potency of the progestational agents in oral contraceptives (author's transl) Rindt W.

Geburtshilfe Frauenheilkd 33:640-46, Aug 73 (Eng. Abstr.) (Ger)

Folate, iron, and total iron-binding capacity of the serum during hormonal contraception. Results of a prospective study (author's transl) Roetz R, et al.

Geburtshilfe Frauenheilkd 33:629-35, Aug 73 (Eng. Abstr.) (Ger)

[Comparative studies on the accuracy of in-vitro tests for thyroid diagnosis] Schmidt HA, et al.

Nucl Med (Stuttg) 12:91-6, 31 Aug 73 (Eng. Abstr.) (Ger)

[Depression and libido-changes during the normal cycle, pregnancy and under the effect of oral contraceptives] Bánki M, et al.

Orv Hetil 114:2841-3, 25 Nov 73 (Hun)

[Letter: The incidence of multiple pregnancies] Csonka I, et al. Orv Hetil 114:2629, 28 Oct 73 (Hun)

[Obtaining of blood samples for laboratory studies] Hankiewicz J. Wiad Lek 26:1621-6, 1 Sep 73 (Pol)

POISONING

[Children and contraceptive pills. What risk is there in accidental intake?] Bergsjö P.

Tidsskr Nor Lægeforen 93:1255, 10 Jun 73 (Nor)

SUPPLY & DISTRIBUTION

Editorial: I.P.P.F. at twenty-one.

Lancet 2:1010-1, 3 Nov 73

THERAPEUTIC USE

Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism.

Arch Intern Med 132:616-9, Oct 73

Hypermenorrhea in the young hemodialysis patient. Rice GG.

Trans Pac Coast Obstet Gynecol Soc 40:99-103, 1973

[Alternatives to the "pill" as contraceptive methods from the andrological viewpoint] Schirren C.

Fortschr Med 91:1185-8, 25 Oct 73 (Ger)

[Alternatives to the "pill" as contraceptive methods from the gynecological viewpoint] Sievers S.

Fortschr Med 91:1189-90 passim, 25 Oct 73 (Ger)

[Dihydrogenic side effects of drug therapy] Jahnecke J. Med Klin 68:1046-52, 10 Aug 73 (Ger)

[Relation between oral contraceptive agents and thyroiditis] Schindler AE.

Med Welt 24:1030, 15 Jun 73 (Ger)

TOXICITY

Mammary nodules in dogs during four years' treatment

with megestrol acetate or chlormadinone acetate.

Nelson LW, et al. J Natl Cancer Inst 51:1303-11, Oct 73

Chemically induced sperm retention cysts in the rat.

Cooper ER, et al. J Reprod Fertil 34:445-9, Sep 73

CONTRACEPTIVES, POSTCOITAL

Editorial: The "morning after" pill.

Med J Aust 2:476, 8 Sep 73

The use of estrogen as a postcoital contraceptive in

North Carolina--trick or treatment. Crist T, et al.

NC Med J 34:792-5, Oct 73

ADVERSE EFFECTS

Editorial: The "morning after" pill.

Med J Aust 2:476, 8 Sep 73

The use of estrogen as a postcoital contraceptive in

North Carolina--trick or treatment. Crist T, et al.

NC Med J 34:792-5, Oct 73

PHARMACODYNAMICS

Oestrogenic and antifertility effects of chalcone

derivatives. Jacob D, et al.

Acta Endocrinol (Kbh) 74:371-8, Oct 73

CORPUS LUTEUM HORMONES

SECRETION

Luteal phase defects: recognition and management.

Reyniak JV. Bull NY Acad Med 49:974-84, Nov 73

CRONOLONE

PHARMACODYNAMICS

[Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J.

Ann Biol Anim Biochim Biophys 12:397-409, 1972 (Eng. Abstr.) (Fre)

CYPROTERONE

PHARMACODYNAMICS

Antagonistic effects of dihydrotestosterone and

cypoterone acetate on the synthesis of RNA.

Grigorescu A, et al.

Biochim Biophys Acta 319:165-73, 24 Aug 73

Reduction of sebum excretion in man by the

antiandrogen, cyproterone acetate. Burton JL, et al.

Br J Dermatol 89:487-90, Nov 73

[Influence of testosterone and their antagonists,

cyproteron acetate and oestradiol, on lipidogen effect

of sucrose by the rat (author's transl)] Lederer J, et

al.

Ann Endocrinol (Paris) 34:336-40, May-Jun 73 (Eng.

Abstr.) (Fre)

[Cyproterone acetate in normal and interstitial cell

tumor grafted rats. Effects on testicular and sexual

accessory organs weight and lactate dehydrogenase

activity and isoenzymes (author's transl)] Callard R,

et al.

Biochim Biophys Acta 313:190-201, 20 Jun 73 (Fre)

[Effects of cyproterone and ethinyl-oestradiol on

sebum secretion (author's transl)] Winkler K, et al.

Arch Dermatol Forsch 247:259-64, 19 Sep 73 (Eng.

Abstr.) (Ger)

[The effect of sexual hormones on bone maturation and

bone growth in female rats] Schenck B, et al.

Arzneim Forsch 23:887-907, Jul 73 (Eng. Abstr.) (Ger)

[Possibilities of fertility inhibition by drugs in the

male] Petry R, et al.

Dtsch Med Wochenschr 98:1775-9, 21 Sep 73 (Ger)

THERAPEUTIC USE

The treatment of precocious puberty with cyproterone

acetate. Rager K, et al.

Acta Endocrinol (Kbh) 74:399-408, Oct 73

Effect of oral cyproterone acetate on urinary FSH and

LH levels in males being treated for hypersexuality.

Harcus AW. J Reprod Fertil 33:356-7, May 73

[Effects of cyproterone and ethinyl-oestradiol on

- sebum secretion (author's transl)] Winkler K, et al. *Arch Dermatol Forsch* 247:259-64, 19 Sep 73 (Eng. Abstr.) (Ger)
- [Serum LH in healthy children and in precocious puberty] Butenandt O, et al. *Monatsschr Kinderheilkd* 121:473-4, Jul 73 (Ger)
- [Treatment of prostatic, corpus uteri and kidney neoplasms (hyperneoplasms) in general practice] Obrecht JP, et al. *Schweiz Med Wochenschr* 103:1414-21, 13 Oct 73 (Eng. Abstr.) (Ger)
- [Histometrical and enzyme histochemical studies from testicular biopsies before and during antiandrogen treatment (author's transl)] Städtler F, et al. *Verh Dtsch Ges Kreislauaufforsch* 56:580-3, 1972 (Eng. Abstr.) (Ger)

DIETHYLSTILBESTROL

- Solubility of cholesterol and hormone drugs in water. Madan DK, et al. *J Pharm Sci* 62:1567-9, Sep 73
- Experimental aspects of renal tumors. Grabstald H. *J Surg Oncol* 5:509-16, May 73

ADMINISTRATION & DOSAGE

- Plasma lipoproteins of turkeys injected with a single dose of diethylstilbestrol. Neilson JT, et al. *Atherosclerosis* 18:445-50, Nov-Dec 73
- High-dose diethylstilbestrol diphosphate therapy of prostatic cancer after failure of standard doses of estrogens. Band PR, et al. *Can Med Assoc J* 109:697-9, 20 Oct 73
- Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al. *J Anim Sci* 37:523-7, Aug 73
- Effect of postovulatory oestrogens on the fine structure of the epithelial cell in human endometrium. Gordon M, et al. *J Reprod Fertil* 34:375-8, Aug 73
- Editorial: The "morning after" pill. *Med J Aust* 2:476, 8 Sep 73
- A clinical study of lactation suppression. Schwartz DJ, et al. *Obstet Gynecol* 42:599-606, Oct 73

ADVERSE EFFECTS

- Clear cell (mesonephric) adenocarcinoma of the vagina. A case report. Rosati LA, et al. *Acta Cytol (Baltimore)* 17:493-7, Nov-Dec 73
- Stilbestrol, adenosis, and adenocarcinoma. Ulfelder H. *Am J Obstet Gynecol* 117:794-800, 15 Nov 73
- High-dose diethylstilbestrol diphosphate therapy of prostatic cancer after failure of standard doses of estrogens. Band PR, et al. *Can Med Assoc J* 109:697-9, 20 Oct 73
- Science, politics, and a safe food supply. Foster EM. *J Am Vet Med Assoc* 163:1056-60, 1 Nov 73
- Editorial: The "morning after" pill. *Med J Aust* 2:476, 8 Sep 73
- Clear cell carcinoma of the cervix and vagina in young women. A report of six cases with association of maternal stilbestrol therapy and adenosis of the vagina. Hill EC. *Trans Pac Coast Obstet Gynecol Soc* 40:15-29, 1973
- [Liver function tests during bonvan therapy of prostatic carcinoma] Ueberle W, et al. *Med Welt* 24:939-41, 1 Jun 73 (Ger)
- [Pathomorphological changes in the organs due to diethylstilbestrol in conditions of different nutrition] Skirko BK, et al. *Arkh Patol* 35:49-55, 1973 (Eng. Abstr.) (Rus)

METABOLISM

- Studies on the uterine, cytoplasmic estrogen binding protein. Thermal stability and ligand dissociation rate. An assay of empty and filled sites by exchange. Katzenellenbogen JA, et al. *Biochemistry* 12:4092-9, 9 Oct 73
- Enzyme hydrolysis in the bladder: its possible applications in the chemotherapy of bladder cancer. Connolly JG, et al. *Can J Surg* 16:379-82, Nov 73
- Stimulation of 16alpha-hydroxylation of dehydroisoandrosterone sulfate by diethylstilbestrol. Gurpide E, et al. *J Clin Endocrinol Metab* 37:867-72, Dec 73
- Oestrogen receptors in the mammary gland of the lactating rat. Hsueh AJ, et al. *J Endocrinol* 58:503-11, Sep 73

- Similarities and differences in the binding of oestradiol-17beta to rat oviduct and uterus. Sen KK, et al. *J Reprod Fertil* 35:369-72, Nov 73

PHARMACODYNAMICS

- Substrate requirements for the oxytocin-induced motility of isolated rat uterus. Goldraj A, et al. *Acta Physiol Lat Am* 23:113-23, 1973
- Ornithine decarboxylase stimulation by 3',5'-cyclic AMP in oviduct of *Coturnix* quail. Prestlock JP, et al. *Am J Physiol* 225:903-7, Oct 73
- Plasma lipoproteins of turkeys injected with a single dose of diethylstilbestrol. Neilson JT, et al. *Atherosclerosis* 18:445-50, Nov-Dec 73
- Chromatin of the developing chick oviduct: changes in the acidic proteins. Speisberg TC, et al. *Biochim Biophys Acta* 312:765-78, 27 Jul 73
- Rapid isolation of total acidic proteins from chromatin of various chick tissues. Wilson EM, et al. *Biochim Biophys Acta* 322:145-54, 21 Sep 73
- Effects of gonadal steroids upon brain 5-hydroxytryptamine levels in the neonatal rat. Gillian D, et al. *Endocrinology* 93:1329-35, Dec 73
- Maintenance of corpora lutea in prepuberal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73
- Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al. *J Anim Sci* 37:523-7, Aug 73
- Estrogen potentiation of phenothiazine-induced prolactin secretion in man. Buckman MT, et al. *J Clin Endocrinol Metab* 37:977-80, Dec 73
- The induction of ovulation by tamoxifen. Williamson JG, et al. *J Obstet Gynaecol Br Commonw* 80:844-7, Sep 73
- Effect of postovulatory oestrogens on the fine structure of the epithelial cell in human endometrium. Gordon M, et al. *J Reprod Fertil* 34:375-8, Aug 73
- Metabolic profile of a new immunosuppressive agent, oxisuran: binding, RE stimulation, drug interaction. Di Carlo FJ, et al. *J Reticuloendothel Soc* 14:387-97, Oct 73
- Experimental studies of sparteine sulphate on strips of human uterus. Garg KN, et al. *Jap J Pharmacol* 23:195-200, Apr 73
- Effect of steroids on lipid peroxidation in liver mitochondrial membranes. Vladimirov YA, et al. *Mol Biol* 7:206-11, Mar-Apr 73
- Progesterone antagonism of papain emphysema: role of sex, estrogens and serum antitrypsin. Giles RE, et al. *Proc Soc Exp Biol Med* 144:487-91, Nov 73
- Increased susceptibility of *Cryptococcus neoformans* to amphotericin B in the presence of steroids. Mohr JA, et al. *Sabouraudia* 11:140-2, Jul 73
- Estrogen receptor protein of pancreas. Sandberg AA, et al. *Steroids* 22:259-71, Aug 73
- [Possibilities of fertility inhibition by drugs in the male] Petry R, et al. *Dtsch Med Wochenschr* 98:1775-9, 21 Sep 73 (Ger)

THERAPEUTIC USE

- The rape victim in the emergency ward. Burgess AW, et al. *Am J Nurs* 73:1740-5, Oct 73
- High-dose diethylstilbestrol diphosphate therapy of prostatic cancer after failure of standard doses of estrogens. Band PR, et al. *Can Med Assoc J* 109:697-9, 20 Oct 73
- Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. *Invest Urol* 11:194-7, Nov 73
- Stimulation of 16alpha-hydroxylation of dehydroisoandrosterone sulfate by diethylstilbestrol. Gurpide E, et al. *J Clin Endocrinol Metab* 37:867-72, Dec 73
- Thyroxine kinetics during prolonged estrogen administration. Zaninovich AA. *J Clin Endocrinol Metab* 37:949-54, Dec 73
- Prostatic cancer with bone marrow involvement and long-term survival: association with intravenous chemotherapy. Boatman DL, et al. *J Surg Oncol* 5:481-4, May 73
- [Liver function tests during bonvan therapy of prostatic carcinoma] Ueberle W, et al. *Med Welt* 24:939-41, 1 Jun 73 (Ger)
- [Breast cancer in males] Pawlęga J, et al. *Wlad Lek* 28:1583-7, 1 Sep 73 (Eng. Abstr.) (Pol)

DIMETHISTERONE

ADVERSE EFFECTS

Possible association between benign hepatomas and oral contraceptives. Baum JK, et al.
Lancet 2:928-9, 27 Oct 73

DYDROGESTERONE

PHARMACODYNAMICS

Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Meglioli G, et al. Horm Res 4:288-92, 1973
Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Meglioli G, et al. Horm Res 4:97-106, 1973

ESTRADIOL

Intracellular distribution of steroid glycosidases of rabbit liver. Mellor JD, et al.
Can J Biochem 51:1292-6, Sep 73

Preparation of antisera to alpha-fetoprotein making use of estradiol affinity column. Arnon R, et al.
FEBS Lett 32:335-8, 1 Jun 73

II. Enhancement of the catalytic activity of the human placental 17 beta-oestradiol dehydrogenase by carboxymethylation of an histidyl residue of the active site. Boussioux AM, et al.
FEBS Lett 36:27-30, 1 Oct 73

I. Affinity labelling of an histidine of the active site of the human placental 17 beta-oestradiol dehydrogenase. Pons M, et al.
FEBS Lett 36:23-6, 1 Oct 73

Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Meglioli G, et al. Horm Res 4:288-92, 1973

Patterns of incorporation of thymidine in the female genital and other organs of mice, treated with 20-methylcholanthrene, estradiol and ovariectomy. Klavins JV, et al. Oncology 27:502-19, 1973

Purification of estradiol-17 beta dehydrogenase from human placenta by affinity chromatography. Chin C, et al. Steroids 22:373-8, Sep 73

Radioimmunoassay of contraceptive steroids. I. Synthesis of 6-oxomestranol 6-(O-carboxymethyl) oxime. Kundu N. Steroids 22:327-36, Sep 73

[Determination of sedimentation coefficients by the radioactivity partition method. Application to trace proteins] Guilleux JC, et al.

Biochimie 55:435-42, 1973 (Eng. Abstr.) (Fre)
[Chemically induced cancer of the uterine cervix in rats. Ultrastructure of early stages. Role of castration] Laffargue P, et al.

Bull Cancer (Paris) 59:315-30, Apr-Jun 72 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Impaired wound healing in progesterone-treated rabbits. Nyman S, et al.
Acta Chir Scand 139:415-9, 1973

Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or noretindrone mammary implants; effects of oxytocin. Bruce JD, et al.
Acta Endocrinol (Kbh) 73:713-20, Aug 73

Effect of locally implanted oestrogen on the response of the rat's lactating mammary gland to oxytocin. Bruce JD, et al.

Acta Endocrinol (Kbh) 73:700-12, Aug 73
Luteolytic effects of oestradiol after hypophysectomy or pituitary stalk section in cycling sheep. Denamur R, et al. Acta Endocrinol (Kbh) 73:635-42, Aug 73

Influence of oestrogenic hormones on carcinogenesis and toxicity of radiostrontium. Nilsson A, et al.
Acta Radiol [Ther] (Stockh) 12:209-28, Jun 73

Autoradiographic studies of the mouse Fallopian tube. Devoe L, et al.

Am J Obstet Gynecol 117:490-6, 15 Oct 73
Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al.

Biol Reprod 9:272-8, Oct 73
Minimum daily dose of progesterone and plasma concentration for maintenance of pregnancy in ovariectomized gilts. Ellicott AR, et al.

Biol Reprod 9:300-4, Oct 73
Fertilizing ability of hamster spermatozoa following subcutaneous implantation or insertion into seminal

vesicles of silastic tubes containing estradiol benzoate. Luhicz-Nawrocki CM, et al.

Fertil Steril 24:872-6, Nov 73

Sensitivity of parameters of estrogen action in the iguanid lizard *Dipsosaurus dorsalis*. Callard IP, et al.
Gen Comp Endocrinol 21:314-21, Oct 73

Effect of ovariectomy and estradiol on LH patterns in ewes. Diekmann MA, et al. J Anim Sci 37:562-7, Aug 73

Exogenous progesterone and estradiol benzoate on early embryonic survival in the pig. Gentry BE Jr, et al. J Anim Sci 37:722-7, Sep 73

Estrogen pre-treatment of corticoid induced parturition in cattle. LaVole VA, et al.
J Anim Sci 37:770-5, Sep 73

Induced LH release in spayed cows. Short RE, et al. J Anim Sci 37:551-7, Aug 73

Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al. J Anim Sci 37:523-7, Aug 73

The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al.
J Clin Endocrinol Metab 37:574-80, Oct 73

Development of the mechanisms involved in the facilitatory and inhibitory effects of ovarian steroids on the release of follicle-stimulating hormone in the immature rat. Caligaris L, et al.

J Endocrinol 58:547-54, Sep 73
The biological half-lives of ribosomal and transfer RNA in the mouse uterus. Miller BG.

J Endocrinol 59:81-5, Oct 73
The clinical and endocrinological effect of oestradiol implants at the time of hysterectomy and bilateral salpingo-oophorectomy. Hunter DJ, et al.

J Obstet Gynaecol Br Commonw 80:827-33, Sep 73
Studies on the development of the implantation reaction in the mouse uterus: influence of actinomycin D. Flinn CA, et al.

J Reprod Fertil 34:247-53, Aug 73
Subcellular distribution and binding of (6,7-3H) estradiol in rat uterus, at equilibrium, after long-term intravenous infusion. De Hertogh R, et al.

J Steroid Biochem 4:289-99, May 73
Slowly exchangeable pool of estradiol in the rat uterus. De Hertogh R, et al. J Steroid Biochem 4:313-20, May 73

A clinical study of lactation suppression. Schwartz DJ, et al. Obstet Gynecol 42:599-606, Oct 73

Effects of sex hormones on sleep patterns of male rats gonadectomized in adulthood and in the neonatal period. Branchey L, et al.

Physiol Behav 11:609-11, Nov 73
Effect of estradiol on the response to LH-RH in male rats at different times after castration. Debeljuk L, et al.

Proc Soc Exp Biol Med 143:1164-7, Sep 73
Copulation in castrated male rats following combined treatment with estradiol and dihydrotestosterone. Baum MJ, et al. Science 182:283-5, 19 Oct 73

[Effect of estradiol on the mechanical tensile strength of experimental bladder wounds] Jaworski S.

Zentralbl Gynaecol 95:1192-8, 24 Aug 73 (Eng. Abstr.) (Ger)

[Study of the regulation mechanisms of enzymatic activity in the rat's uterus by means of estradiol] Sergeev PV, et al.

Probi Endocrinol (Mosk) 19:83-6, Sep-Oct 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Emergencies in oncology] Nagel GA, et al.
Schweiz Med Wochenschr 103:1259-62, 8 Sep 73 (Eng. Abstr.) (Ger)

ANALYSIS

A stable uterine binding protein preparation for the assay of plasma oestradiol in pregnancy. Corns CM, et al.
Clin Chim Acta 47:203-10, 30 Aug 73

Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.

Endocrinol Exp (Bratisl) 7:189-92, Sep 73
Applications of artificial intelligence for chemical inference. IX. Analysis of mixtures without prior separation as illustrated for estrogens. Smith DH, et al.

J Am Chem Soc 95:6078-84, 5 Sep 73
High-efficiency liquid chromatography in pharmaceutical analysis. Bailey F, et al.

J Chromatogr 83:431-7, 29 Aug 73
6 alpha- and 6 beta-hydroxyestradiol. Circular

dichroism and substantiation of configurational assignments. Burrows EP, et al.
J Org Chem 38:3797-8, 19 Oct 73

ANTAGONISTS & INHIBITORS

Effect of ovarian hormones on lipid metabolism in different tissues of rats. Biswas R, et al.
Acta Physiol Acad Sci Hung 42:213-8, 1972
 Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL.
Adv Pharmacol Chemother 11:99-150, 1973 (415 ref.)
 Studies on the uterine, cytoplasmic estrogen binding protein. Thermal stability and ligand dissociation rate. An assay of empty and filled sites by exchange. Katzenellenbogen JA, et al.
Biochemistry 12:4092-9, 9 Oct 73
 Anti-oestrogenic activity in compounds related to ethamoxyltriphetol (MER 25), clomiphene and MRL 37. Clark ER, et al. *Br J Pharmacol* 48:345P, Jun 73

BIOSYNTHESIS

In vitro conversion of (4-14C) dehydroepiandrosterone and androstenedione to oestrogens by the microsomes of placentas from normal, toxemic, diabetic and postmature pregnancies. Lehmann WD, et al. *Acta Endocrinol (Kbh)* 73:771-89, Aug 73
 Conversion of hydrocortisone to estrogen in carcinoma of the breast after oophorectomy and adrenalectomy. Stonesifer GL Jr, et al. *Ann Surg* 178:583-4, Nov 73
 In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcova J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
 Conversion of progesterone to estrone and estradiol in vitro by the ovary of the infantile rat in relation to the development of its interstitial tissue. Quattropani SL, et al. *Endocrinology* 93:1269-76, Dec 73
 The metabolic clearance rate, production rate and conversion ratios of oestrone in the sheep. Challis JR, et al. *J Endocrinol* 58:435-46, Sep 73
 Steroid hormone production by pig blastocysts. Perry JS, et al. *Nature* 245:45-7, 7 Sep 73
 Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. *Steroids* 22:379-99, Sep 73
 [Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. *Urol Int* 28:360-3, 1973 (Eng. Abstr.) (Ger)

BLOOD

Peripheral plasma levels of oestrogen and progesterone in pregnant rhesus monkeys treated with dexamethasone. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:338-47, Oct 73
 Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al.
Am J Obstet Gynecol 117:631-42, 1 Nov 73
 Plasma testosterone, estradiol, and semen analysis in male homosexuals. Doerr P, et al.
Arch Gen Psychiatry 29:829-33, Dec 73
 Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Greenwald GS. *Biol Reprod* 9:437-46, Nov 73
 Development of a testicular tumour during clomiphene therapy. Reyes FI, et al.
Can Med Assoc J 109:502-3 passim, 15 Sep 73
 A rapid competitive protein-binding assay of unconjugated oestradiol in late pregnancy plasma. Ahmed J, et al. *Clin Chim Acta* 48:37-43, Sep 28 1973
 Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
 Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73
 Plasma estrogens in pregnant and postpartum mares. Nett TM, et al. *J Anim Sci* 37:962-70, Oct 73
 Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73
 Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73
 Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. II. Follicle-stimulating hormone, luteinizing hormone, testosterone and estradiol. Alford FP, et al. *J Clin Endocrinol Metab* 37:848-54, Dec 73
 The effects of low doses of depot estradiol and

testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al.
J Clin Endocrinol Metab 37:574-80, Oct 73
 Effects of colitis on gonadotropin, prolactin and sex steroid levels in man. Stearns EL, et al.
J Clin Endocrinol Metab 37:687-91, Nov 73
 Competitive ligand-binding assay for measurement of sex hormone-binding globulin (SHBG). Tulchinsky D, et al. *J Clin Endocrinol Metab* 37:873-81, Dec 73
 The development of cyclic pituitary-gonadal function in adolescent females. Winter JS, et al.
J Clin Endocrinol Metab 37:714-8, Nov 73
 The metabolic clearance rate, production rate and conversion ratios of oestrone in the sheep. Challis JR, et al. *J Endocrinol* 58:435-46, Sep 73
 Human fetal and maternal plasma oestrogens and the onset of labour. Patten PT, et al.
J Obstet Gynaecol Br Commonw 80:952-6, Nov 73
 A study on the monitoring of gonadotrophin therapy by the assay of plasma oestradiol and progesterone. Shaaban MM, et al.
J Obstet Gynaecol Br Commonw 80:783-93, Sep 73
 Plasma oestradiol and progesterone concentration in the normal menstrual cycle. Shaaban MM, et al.
J Obstet Gynaecol Br Commonw 80:776-82, Sep 73
 Progesterone secretion from the ovary in the ewe following infusion of uterine venous plasma. Baird DT, et al. *J Reprod Fertil* 35:13-22, Oct 73
 Prostaglandin F2 alpha and the release of LH in sheep. Carlson JC, et al. *J Reprod Fertil* 34:357-61, Aug 73
 Plasma oestradiol, luteinizing hormone and progesterone during pregnancy in the Beagle bitch. Jones GE, et al. *J Reprod Fertil* 35:187-9, Oct 73
 Dynamic exchange of (6, 7-3H) estradiol-17beta at the subcellular level in rat uterus. De Hertogh R, et al. *J Steroid Biochem* 4:301-11, May 73
 Subcellular distribution and binding of (6,7-3H) estradiol in rat uterus, at equilibrium, after long-term intravenous infusion. De Hertogh R, et al.
J Steroid Biochem 4:257-70, May 73
 Slowly exchangeable pool of estradiol in the rat uterus. De Hertogh R, et al. *J Steroid Biochem* 4:313-20, May 73
 Rapid radioimmunoassay of oestradiol-17 beta using computer calculation. Exley D, et al.
J Steroid Biochem 4:257-70, May 73
 The measurement of sex steroid binding globulin by differential ammonium sulphate precipitation. O'Connor S, et al. *J Steroid Biochem* 4:331-9, Jul 73
 Letter: Steroid profile of threatened premature labour. Csapo A, et al. *Lancet* 2:1097-8, 10 Nov 73
 Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. *Obstet Gynecol* 42:718-24, Nov 73
 Effects of immunization with hapten-coupled HCG on the human menstrual cycle. Stevens VC, et al. *Obstet Gynecol* 42:485-95, Oct 73
 Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Biddlingmaier F, et al. *Pediatr Res* 7:901-7, Nov 73
 Unconjugated estrogens in the perinatal period. Kenny FM, et al. *Pediatr Res* 7:826-31, Oct 73
 Pituitary-gonadal relations in female children and adolescents. Winter JS, et al.
Pediatr Res 7:948-53, Dec 73
 The mechanism of initiation of parturition in the ewe. Liggins GC, et al.
Recent Prog Horm Res 29:111-59, 1973
 Decreased serum testosterone concentration in male heroin and methadone addicts. Azizi F, et al.
Steroids 22:467-72, Oct 73
 Proceedings: Progesterone, 17 beta oestradiol and LH in relation to ovulation in cows. Dobson H, et al. *Vet Rec* 93:76, 21 Jul 73
 [Studies on the binding of steroid hormones to human pregnancy proteins. I. Identification of pregnancy-associated beta1-glykoprotein with the steroid-binding beta-globulin (author's transl)] Bohn H, et al.
Arch Gynaecol 215:63-71, 25 May 73 (Eng. Abstr.) (Ger)
 [Increased 17-beta-estradiol levels in blood of arteriosclerotic patients (author's transl)] Hauss WH, et al.
Klin Wochenschr 51:824-5, 15 Aug 73 (Eng. Abstr.) (Ger)
 [Half-life of (4-14C) oestradiol-17beta in vivo, and metabolism of (4-14C) oestrone and (4-14C) oestril in vitro in normal subjects and in patients with liver cirrhosis (author's transl)] Breuer J, et al.
Z Klin Chem Klin Biochem 11:263-9, Jun 73 (Ger)

[Determination of testosterone in the blood plasma by competitive protein binding (CPB)] Kuroedova IA, et al.

Probl Endokrinol (Mosk) 19:30-6, Sep-Oct 73 (Eng. Abstr.) (Rus)

[Determination of estrogens in the blood plasma of women by competitive protein binding] Sturchak SV, et al.

Probl Endokrinol (Mosk) 19:36-41, Sep-Oct 73 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Regiospecific syntheses of modified steroid hormones. V. 6 Beta-fluoro-7 alpha-hydroxy-17 beta-oestradiol, 7 alpha-fluoro-8 alpha-hydroxy-17 beta-oestradiol, and 7 alpha-fluoro-17 beta-oestradiol. Neeman M, et al. J Chem Soc [Perkin I] 14:1462-4, 1973

ISOLATION & PURIFICATION

Steroid hormone production by pig blastocysts. Perry JS, et al. Nature 245:45-7, 7 Sep 73

METABOLISM

Acute effects of actinomycin D on the binding of tritiated oestradiol by the mouse vagina. Stone GM. Aust J Biol Sci 26:689-92, Jun 73

Effect of triton X-100 on the conjugation of tetrahydrocortisone, in vitro. Miller KW, et al. Biochem Pharmacol 22:2319-27, 15 Sep 73

Studies on the uterine, cytoplasmic estrogen binding protein. Thermal stability and ligand dissociation rate. An assay of empty and filled sites by exchange. Katzenellenbogen JA, et al.

Biochemistry 12:4092-9, 9 Oct 73

Photoaffinity labels for estrogen binding proteins of rat uterus. Katzenellenbogen JA, et al.

Biochemistry 12:4085-92, 9 Oct 73

Studies on estrogen entry into uterine cells and on estradiol-receptor complex attachment to the nucleus--Is the entry of estrogen into uterine cells a protein-mediated process? Milgrom E, et al.

Biochim Biophys Acta 320:267-83, 14 Sep 73

Anti-oestrogenic activity in compounds related to ethamoxyltripbetol (MER 25), clomipbene and MRL 37. Clark ER, et al. Br J Pharmacol 48:345P, Jun 73

Specific estrogen binding in vivo in the R3230AC mammary adenocarcinoma of the rat. Boylan ES, et al. Cancer Res 33:2903-8, Nov 73

Effects of dimethylbenz(a)anthracene and dihydrotestosterone on estradiol-17 beta binding in rat mammary cytosol fraction. Kelgbley DD, et al. Cancer Res 33:2637-42, Nov 73

Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.

Endocrinol Exp (Bratisl) 7:189-92, Sep 73

Cardiac glucocorticoid receptors: the binding of tritiated dexamethasone in rat and dog heart. Funder JW, et al. Endocrinology 93:1300-8, Dec 73

Testosterone-binding globulin in stump-tailed macaque monkeys (Macaca speciosa).

Gauthier-Wright F, et al.

Endocrinology 93:1277-86, Dec 73

Content of estrogen receptors in human breast cancer. Spaeren U, et al. Eur J Cancer 9:353-7, May 73

Chromosomal accumulation of 3H-estradiol in dividing ovarian granulosa cells and ovarian squash preparations. Tjälve H, et al.

Experientia 29:1143-4, 15 Sep 73

Estrogen receptor: loss of DNA binding ability following trypsin or Ca²⁺ treatment. Andre J, et al. FEBS Lett 32:330-4, 1 Jun 73

Purification of estradiol receptor by affinity chromatography. Representative experiments.

Truong H, et al. FEBS Lett 35:289-94, 15 Sep 73

Measurement of estrogen-binding capacity in the hormone-dependent and -independent rat mammary tumors. Nomura Y, et al. Gann 64:401-4, Aug 73

Unifying concepts in the response of mammalian cells to stimuli. Talwar GP.

Indian J Med Res 61:791-801, Jun 73

Inability of the testosterone-estrogen-binding globulin to catalyze the oxidation or reduction of steroids in the presence of pyridine nucleotides. Kelly WG, et al. J Clin Endocrinol Metab 37:981-3, Dec 73

Improved sensitivity in the measurement of estrogen

receptor in human breast cancer. McGuire WL, et al. J Clin Endocrinol Metab 37:986-9, Dec 73

Studies on phenolic steroids in human subjects. XVII. The kidney and fate of 15alpha-hydroxyestrogens. Nagatomi K, et al.

J Clin Endocrinol Metab 37:887-900, Dec 73

Atlas of estradiol-concentrating cells in the central nervous system of the female rat. Pfaff D, et al. J Comp Neurol 151:121-58, 15 Sep 73

Uptake and metabolism of (1,2-3H)progesterone injected intraluminally into the uteri of spayed mice. Clark BF. J Endocrinol 58:555-62, Sep 73

Oestrogen receptors in the mammary gland of the lactating rat. Hsueh AJ, et al.

J Endocrinol 58:503-11, Sep 73

A technique for perfusion of rat testes in situ through the internal spermatic arteries. Frederik PM, et al. J Reprod Fertil 35:117-21, Oct 73

Similarities and differences in the binding of oestradiol-17beta to rat oviduct and uterus. Sen KK, et al. J Reprod Fertil 35:369-72, Nov 73

Slowly exchangeable pool of estradiol in the rat uterus. De Hertogh R, et al. J Steroid Biochem 4:313-20, May 73

Subcellular distribution and binding of (6,7-3H) estradiol in rat uterus, at equilibrium, after long-term intravenous infusion. De Hertogh R, et al.

J Steroid Biochem 4:289-99, May 73

Dynamic exchange of (6, 73H) estradiol-17beta at the subcellular level in rat uterus. De Hertogh R, et al. J Steroid Biochem 4:301-11, May 73

Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al.

J Steroid Biochem 4:369-79, Jul 73

Fine structure of rat uterine eosinophils and the possible role of eosinophils in the mechanism of estrogen action. Tchernitchin A.

J Steroid Biochem 4:277-82, May 73

Iodination of estrogen receptors in rat uterine eosinophils. Tchernitchin A, et al.

J Steroid Biochem 4:401-6, Jul 73

Estrogen receptor binding is not restricted to target nuclei. Chamness GC, et al.

Nature 241:458-60, 16 Feb 73

Induced protein synthesis and oestradiol binding to the nuclei in the rat uterus. Iacobelli S.

Nature [New Biol] 245:154-5, 3 Oct 73

Transplacental effects of estrogen on osteogenesis in rat fetuses. Ornoy A. Pathology 5:183-8, Jul 73

Mechanism of catechol estrogen formation in man. Fishman J, et al. Steroids 22:401-11, Sep 73

Irreversible protein binding of metabolites of ethynylestradiol in vivo and in vitro. Kappus H, et al. Steroids 22:203-25, Aug 73

Estrogen receptor protein of pancreas. Sandberg AA, et al. Steroids 22:259-71, Aug 73

[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

[Half-life of (4-14C)estradiol-17beta in vivo, and metabolism of (4-14C)estrone and (4-14C)estradiol in vitro in normal subjects and in patients with liver cirrhosis (author's transl)] Breuer J, et al.

Z Klin Chem Klin Biochem 11:263-9, Jun 73 (Ger)

[Interaction of hormone with its receptors (author's transl)] Kato J.

Protein Nucleic Acid Enzyme (Tokyo) 18:618-30, Jun 73 (153 ref.) (Jap)

PHARMACODYNAMICS

Impaired wound healing in progesterone-treated rabbits. Nyman S, et al.

Acta Chir Scand 139:415-9, 1973

Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants; effects of oxytocin. Bruce JD, et al.

Acta Endocrinol (Kbh) 73:713-20, Aug 73

Effect of locally implanted oestrogen on the response of the rat's lactating mammary gland to oxytocin. Bruce JD, et al.

Acta Endocrinol (Kbh) 73:700-12, Aug 73

Luteolytic effects of oestradiol after hypophysectomy or pituitary stalk section in cycling sheep. Denamur R, et al. Acta Endocrinol (Kbh) 73:635-42, Aug 73

Oestrogenic and antifertility effects of chalcone derivatives. Jacob D, et al.

Acta Endocrinol (Kbh) 74:371-8, Oct 73

Changes in plasma levels of prolactin and LH induced by luteolytic or luteotrophic treatment in intact

- cycling sheep after section of the pituitary stalk. Kann G, et al. *Acta Endocrinol (Kbh)* 73:325-34, Aug 73
- Effect of progesterone on RNA and protein synthesis in the rat uterus. Trams G, et al.
- Acta Endocrinol (Kbh)* 73:740-50, Aug 73
- Effect of ovarian hormones on lipid metabolism in different tissues of rats. Biswas R, et al.
- Acta Physiol Acad Sci Hung* 42:213-8, 1972
- Large vesicles of the adrenergic nerves of the rabbit uterus. Hervonen A.
- Acta Physiol Scand* 88:430-2, Jul 73
- Influence of oestrogenic hormones on carcinogenesis and toxicity of radiostrontium. Nilsson A, et al.
- Acta Radiol [Ther]* (Stockh) 12:209-28, Jun 73
- Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL.
- Adv Pharmacol-Chemother* 11:99-150, 1973 (415 ref.)
- The role of the phagocyte in host-parasite interactions. XXXIX. Stimulation of bactericidal activity of myeloperoxidase-containing leukocytic fractions by estrogens. Jacobs AA, et al.
- Am J Obstet Gynecol* 117:671-8, 1 Nov 73
- Relaxin in porcine corpora lutea during pregnancy and after hysterectomy. Anderson LL, et al.
- Am J Physiol* 225:1215-9, Nov 73
- Ornithine decarboxylase stimulation by 3',5'-cyclic AMP in oviduct of Coturnix quail. Preslock JP, et al.
- Am J Physiol* 225:903-7, Oct 73
- Effect of oestradiol benzoate on biliary phospholipids in the rat. Holloway RH, et al.
- Aust J Biol Sci* 26:1009-13, Aug 73
- Effect of catecholamines and ovarian hormones on cyclic AMP accumulation in rat hypothalamus. Gunaga KP, et al.
- Biochem Biophys Res Commun* 54:440-8, 5 Sep 73
- Binding of progesterone by rat uterus in vitro. Saffran J, et al.
- Biochem Biophys Res Commun* 53:202-9, 2 Jul 73
- Serum esterase genetics in rats: two new alleles at Es-2, a new esterase regulated by hormonal factors, and linkage of these loci to the Ag-C blood group locus. Gasser DL, et al. *Biochem Genet* 10:207-17, Nov 73
- The effect of adjuvant arthritis and drugs on the ability of rat plasma to inhibit the triton X-100 induced lysis of rabbit polymorphonuclear leucocyte granules. Lowe JS, et al.
- Biochem Pharmacol* 22:2069-78, 1 Sep 73
- Characterization of a distinct glucocorticoid-binding protein in the lactating mammary gland of the rat. Gardner DG, et al.
- Biochim Biophys Acta* 320:617-27, 5 Oct 73
- Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al.
- Biol Reprod* 9:272-8, Oct 73
- The effects of X-irradiation of the rat ovary on implantation and embryonic development. Gibbons AF, et al. *Biol Reprod* 9:343-9, Nov 73
- The effect of males on the reproductive state of female *Microtus ochrogaster*. Hasler MJ, et al.
- Biol Reprod* 9:426-36, Nov 73
- Hormonal requirement for implantation and embryonic development in the ferret. Wu JT, et al.
- Biol Reprod* 9:350-5, Nov 73
- The protective effect of estradiol-17 beta against polycyclic hydrocarbon cytotoxicity. Schwartz AG.
- Cancer Res* 33:2431-6, Oct 73
- Caffeine inhibition of postreplication repair of N-acetoxy-2-acetylaminofluorene-damaged DNA in Chinese hamster cells. Simpson-Herren L, et al.
- Cancer Res* 33:2415-24, Oct 73
- Effects of estradiol and testosterone on cyclic AMP levels in certain tissues of domestic fowl (*Gallus domesticus*). Yu JY, et al.
- Comp Biochem Physiol [A]* 46:215-20, 1 Sep 73
- Effect of perinatal administration of sex hormones on lipid metabolism in adult rats. Hádík T, et al.
- Endocrinol Exp (Bratisl)* 7:221-6, Sep 73
- Influence of ovarian hormones on electromyograms of uterus, stomach and intestines in dogs. Milenov K, et al. *Endocrinol Exp (Bratisl)* 7:163-9, Sep 73
- Testosterone-binding globulin in stump-tailed macaque monkeys (*Macaca speciosa*). Gauthier-Wright F, et al.
- Endocrinology* 93:1277-86, Dec 73
- Effects of gonadal steroids upon brain 5-hydroxytryptamine levels in the neonatal rat. Giulian D, et al. *Endocrinology* 93:1329-35, Dec 73
- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73
- Functional integrity of the oxytocin-releasing reflex in goats: dependence on estrogen. Roberts JS. *Endocrinology* 93:1309-14, Dec 73
- The role of sympathetic nerves in the response of uterus and oviduct to field stimulation. Hodgson BJ, et al. *Eur J Pharmacol* 23:107-10, Jul 73
- Fertilizing ability of hamster spermatozoa following subcutaneous implantation or insertion into seminal vesicles of silastic tubes containing estradiol benzoate. Lubicz-Nawrocki CM, et al.
- Fertil Steril* 24:872-6, Nov 73
- Sensitivity of parameters of estrogen action in the Iguanid lizard *Dipsosaurus dorsalis*. Callard IP, et al. *Gen Comp Endocrinol* 21:314-21, Oct 73
- Gonadal hormones and thyroid function in the spotted muntia, *Lonchura punctulata*. Chandola A, et al. *Gen Comp Endocrinol* 21:305-13, Oct 73
- Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al. *Horm Res* 4:97-106, 1973
- Preferential association of thyroxine with mitochondrial fraction from control and oestrogenized rat adenohipophyses. Příbyl T, et al. *Horm Res* 4:114-21, 1973
- Effects of gonadal hormones on the flank gland of the golden hamster. Vandenberg JG. *Horm Res* 4:28-33, 1973
- Unifying concepts in the response of mammalian cells to stimuli. Talwar GP.
- Indian J Med Res* 61:791-801, Jun 73
- The effect of gonadectomy and hormone administration on the urinary bladder carcinogenicity of N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide in male and female Swiss mice. Yoshida O, et al. *Invest Urol* 11:216-20, Nov 73
- Effect of ovariectomy and estradiol on LH patterns in ewes. Diekman MA, et al. *J Anim Sci* 37:562-7, Aug 73
- Maintenance of pregnancy in prepubertal gilts. Ellicott AR, et al. *J Anim Sci* 37:971-3, Oct 73
- Maintenance of corpora lutea in prepubertal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73
- Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73
- Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smlth LE Jr, et al. *J Anim Sci* 37:523-7, Aug 73
- Rate of ovalbumin messenger ribonucleic acid synthesis in the oviduct of estrogen-primed chicks. Palminter RD. *J Biol Chem* 248:8280-70, 10 Dec 73
- The estimation of pituitary luteinizing hormone secretion. Rebar R, et al.
- J Clin Endocrinol Metab* 37:917-27, Dec 73
- Effects of estrogens on submaxillary glands in mice. Houssay AB, et al. *J Dent Res* 52:1051-3, Sep-Oct 73
- Development of the mechanisms involved in the facilitatory and inhibitory effects of ovarian steroids on the release of follicle-stimulating hormone in the immature rat. Calligaris L, et al.
- J Endocrinol* 58:547-54, Sep 73
- Mitogenic action of oestradiol-17 beta on human myometrial and endometrial cells in long-term tissue cultures. Chen L, et al. *J Endocrinol* 59:87-97, Oct 73
- The sodium and potassium content of rat uterine luminal fluid. Conner EA, et al.
- J Endocrinol* 59:181-2, Oct 73
- Progesterone inhibition of mouse uterine epithelial proliferation. Das RM, et al.
- J Endocrinol* 59:205-6, Oct 73
- The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). Follett BK, et al. *J Endocrinol* 59:151-62, Oct 73
- Changes in serum gonadotrophin levels, and in protein levels and in-vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. Haar MB ter, et al. *J Endocrinol* 58:563-76, Sep 73
- The biological half-lives of ribosomal and transfer RNA in the mouse uterus. Miller BG. *J Endocrinol* 59:81-5, Oct 73
- Mechanism of oestradiol action on the rat uterus: independence of cyclic AMP, prostaglandin E2 and beta-adrenergic mediation. Zor U, et al. *J Endocrinol* 58:525-33, Sep 73
- Aspects of adrenal function in neonatally estrogenized male mice. Simmons JE, et al.
- J Exp Zool* 186:123-6, Nov 73
- Hormonal regulation of rapidly labeled RNA in normal

- preneoplastic and neoplastic tissues of mouse mammary gland. Banerjee DJ, et al. *J Natl Cancer Inst* 51:843-9, Sep 73
- The reactivity of the rat uterus to sympathomimetics during the oestrous cycle and pregnancy and after parturition. Abdel-Aziz A, et al. *J Reprod Fertil* 35:217-23, Nov 73
- Egg implantation and decidual induction in cyclic mice after treatment with progestagens and oestradiol. Grant PS, et al. *J Reprod Fertil* 34:415-21, Sep 73
- Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73
- The effect of cis- and trans-clomiphene citrate on sialic acid in the uterus, cervix and vagina of rats during delayed implantation. Sankaran MS, et al. *J Reprod Fertil* 35:203-10, Nov 73
- Peritoneal macrophages in male and female mice. Fruhman GJ. *J Reticuloendothel Soc* 14:371-9, Oct 73
- Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. *J Steroid Biochem* 4:341-7, Jul 73
- Fine structure of rat uterine eosinophils and the possible role of eosinophils in the mechanism of estrogen action. Tchernitchin A. *J Steroid Biochem* 4:277-82, May 73
- Iodination of estrogen receptors in rat uterine eosinophils. Tchernitchin A, et al. *J Steroid Biochem* 4:401-8, Jul 73
- Effect of steroids on lipid peroxidation in liver mitochondrial membranes. Vladimirov YA, et al. *Mol Biol* 7:206-11, Mar-Apr 73
- Euploidy of cultured human cervical epithellum exposed to oestradiol. Lycette RR, et al. *NZ Med J* 78:115-8, 8 Aug 73
- Transplacental effects of estrogen on osteogenesis in rat foetuses. Ornoy A. *Pathology* 5:183-8, Jul 73
- Effects of sex hormones on sleep patterns of male rats gonadectomized in adulthood and in the neonatal period. Branchey L, et al. *Physiol Behav* 11:609-11, Nov 73
- The effect of oestradiol, testosterone and dihydrotestosterone on sexual motivation in the ovariectomized female rat. McDonald PG, et al. *Physiol Behav* 11:515-20, Oct 73
- Sexual motivation in the female rat after testosterone treatment. Myerson BJ, et al. *Physiol Behav* 11:421-8, Oct 73
- S-adenosylmethionine: guanidinoacetate N-methyltransferase activities in livers from rats with hormonal deficiencies or excesses. Carlson M, et al. *Proc Soc Exp Biol Med* 143:1256-9, Sep 73
- Effect of estradiol on the response to LH-RH in male rats at different times after castration. Debeljuk L, et al. *Proc Soc Exp Biol Med* 143:1164-7, Sep 73
- Comparative effects of ovarian steroids on glycogen metabolism of rat, rabbit and guinea pig uterine tissue. Demers LM, et al. *Proc Soc Exp Biol Med* 143:1158-63, Sep 73
- Progesterone antagonism of papain emphysema: role of sex, estrogens and serum antitrypsin. Giles RE, et al. *Proc Soc Exp Biol Med* 144:487-91, Nov 73
- The effects of dibutyryl cyclic AMP on the hepatic mixed function oxidase system in hormonally altered rats. Ross WE, et al. *Res Commun Chem Pathol Pharmacol* 6:541-9, Sep 73
- Increased susceptibility of *Cryptococcus neoformans* to amphotericin B in the presence of steroids. Mober JA, et al. *Sahouraudia* 11:140-2, Jul 73
- Influence of estrogen and progesterone on exudation, inflammatory cell migration and granulation tissue formation in preformed cavities. Lundgren D. *Scand J Plast Reconstr Surg* 7:10-4, 1973
- Copulation in castrated male rats following combined treatment with estradiol and dihydrotestosterone. Baum MJ, et al. *Science* 182:283-5, 19 Oct 73
- Neurons of the hypothalamus concentrate (3H)progesterone or its metabolites. Sar M, et al. *Science* 182:1266-8, 21 Dec 73
- Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73
- Estrogen receptor protein of pancreas. Sandberg AA, et al. *Steroids* 22:259-71, Aug 73
- Deletion of cells by apoptosis during castration-induced involution of the rat prostate. Kerr JF, et al. *Virchows Arch [Zellpathol]* 13:87-102, 25 Jun 73
- [Effect of reserpine on the uterine blood vessels in castrated rats treated with 17-beta estradiol] Klutukchiev B, et al. *Akush Ginekoi (Sofia)* 12:187-91, 1973 (Eng. Abstr.) (Bul)
- [Influence of testosterone and tbeir antagonists, cyproteron acetate and oestradiol, on lipidogen effect of sucrose by the rat (author's transl)] Lederer J, et al. *Ann Endocrinol (Paris)* 34:336-40, May-Jun 73 (Eng. Abstr.) (Fre)
- [Neuro-hormonal control of the secretion of the p.l.f. (author's transl)] Marchandise B. *Ann Endocrinol (Paris)* 34:308-10, May-Jun 73 (Fre)
- [The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al. *Arch Gynaekoi* 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)
- [The effect of sexual hormones on bone maturation and bone growth in female rats] Schenck B, et al. *Arzneim Forsch* 23:887-907, Jul 73 (Eng. Abstr.) (Ger)
- [Possibilities of fertility inhibition by drugs in the male] Petry R, et al. *Dtsch Med Wochenschr* 98:1775-9, 21 Sep 73 (Ger)
- [Proliferative action of estradiol on uterine endometrium: comparison with 17 beta-estradiol] Ohlenroth G, et al. *Gynaekol Rundsch* 13:155-60, 1973 (Ger)
- [Effect of estradiol on the mechanical tensile strength of experimental bladder wounds] Jaworski S. *Zentralbl Gynaekoi* 95:1192-8, 24 Aug 73 (Eng. Abstr.) (Ger)
- [Concentration of total lipids, triglycerides and free fatty acids in protracted pregnancy induced by estradiol administration] Blazlak M. *Ginekoi Pol* 44:1049-55, 1973 (Eng. Abstr.) (Pol)
- [Effect of 17-estradiol on the activity of aspartate carbamoyl-transferase (EC 2.1.3.2.) in the liver, kidney and uterus of the rat] Tarnowski R. *Ginekoi Pol* 44:985-91, 1973 (Eng. Abstr.) (Pol)
- [Study of the regulation mechanisms of enzymatic activity in the rat's uterus by means of estradiol] Sergeev PV, et al. *Prohl Endokrinol (Mosk)* 19:83-8, Sep-Oct 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Reactivity of the uterine arteries in the rat during oestrus and pregnancy. Csépl J, et al. *Acta Chir Acad Sci Hung* 14:153-64, 1973
- Regulation of scent marking in the female Mongolian gerbil *Meriones unguiculatus*. Owen K, et al. *Physiol Behav* 11:441-5, Oct 73
- [Role of various portions of the amygdaloid complex in the action of various cholinolytics and estrogens on the gonadotropic function of the hypophysis] Bekhereva EP. *Prohl Endokrinol (Mosk)* 19:43-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

SECRETION

- Long-term culture of differentiated granulosa cells from individual bovine follicles. Korenman SG, et al. *Endocrinology* 93:1423-7, Dec 73
- Ovarian secretion of oestradiol, oestrone, 20-dihydroprogesterone and progesterone during the oestrous cycle of the guinea-pig. Joshi HS, et al. *J Reprod Fertil* 35:177-81, Oct 73
- [Effects of short- and long-term administration of synthetic FSH- and LH-releasing hormone on the parameters assessing menstrual function in women with secondary amenorrhoea] Schnelder WH, et al. *Wien Klin Wochenschr* 85:554-8, 17 Aug 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Periodic fever and menses. Golden RL, et al. *Am J Obstet Gynecol* 117:855-6, 15 Nov 73
- Treatment in vivo of R3230AC carcinoma of the rat with estradiol mustard (NSC-112259) of its molecular components. Everson RB, et al. *Cancer Chemother Rep* 57:353-5, Sep-Oct 73
- Exogenous progesterone and estradiol benzoate on early embryonic survival in the pig. Gentry BE Jr, et al. *J Anim Sci* 37:722-7, Sep 73
- The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and

ESTRADIOL

- Turner's syndrome. Rosenfield RL, et al.
J Clin Endocrinol Metab 37:574-80, Oct 73
 The clinical and endocrinological effect of oestradiol implants at the time of hysterectomy and bilateral salpingo-oophorectomy. Hunter DJ, et al.
J Obstet Gynaecol Br Commonw 80:827-33, Sep 73
 [Emergencies in oncology] Nagel GA, et al.
Schweiz Med Wochenschr 103:1259-62, 8 Sep 73 (Eng. Abstr.) (Ger)

URINE

- The analysis of estrogenic steroids in urine by high-speed liquid chromatography. Dolphin RJ.
J Chromatogr 83:421-30, 29 Aug 73

ESTRANES

ADMINISTRATION & DOSAGE

- [Substitution therapy with equine sulfate in menopausal women] Ravid R, et al.
Harefuah 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

CHEMICAL SYNTHESIS

- Aromatization of some steroidal enediols. Baldwin D, et al.
J Chem Soc [Perkin I] 16:1704-7, 1973
 Steroid total synthesis. X. Optically active estrone precursors and racemic equilenin methyl ether. Cohen N, et al.
J Org Chem 38:3229-39, 21 Sep 73
 Synthesis of some 17-substituted 3,10-ethano-5 α -estrans. Hauser FM, et al.
J Org Chem 38:3696-700, 19 Oct 73

METABOLISM

- Microbiological hydroxylation of steroids. VII. The pattern of dihydroxylation of mono-oxo-5 α -androstanes and 5 α -estrans with the fungus *Rhizopus nigricans*. Browne JW, et al.
J Chem Soc [Perkin I] 14:1493-9, 1973

PHARMACODYNAMICS

- Sterilization of rodent and other pests using a synthetic oestrogen. Kendle KE, et al.
Nature 244:105-8, 13 Jul 73

THERAPEUTIC USE

- [Substitution therapy with equine sulfate in menopausal women] Ravid R, et al.
Harefuah 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

ESTRIOL

- Purification of estradiol-17 β dehydrogenase from human placenta by affinity chromatography. Chin C, et al.
Steroids 22:373-8, Sep 73
 [Parameters in the binding of 16 α , 17 β estriol with ewe antiestriol immune sera highly specific to rabbits] Savu L, et al.
FEBS Lett 36:113-5, 1 Oct 73 (Fre)

ADMINISTRATION & DOSAGE

- Effects of estrogen upon bile: implications with respect to gallstone formation. Lynn J, et al.
Ann Surg 178:514-24, Oct 73
 [The effect of estriol on sodium and potassium excretion and their level in the kidney tissue of female rats] Padev AI.
Akush Ginekolog (Sofia) 12:191-7, 1973 (Eng. Abstr.) (Bul)
 [General and topical effects of estriol] Bachmann FF.
Zentralbl Gynaekol 95:995-9, 20 Jul 73 (Ger)

ANALYSIS

- A stable uterine binding protein preparation for the assay of plasma estriol in pregnancy. Corns CM, et al.
Clin Chim Acta 47:203-10, 30 Aug 73
 Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
Endocrinol Exp (Bratisl) 7:189-92, Sep 73

BIOSYNTHESIS

- Metabolism of 3H-estrone sulfate perfused in vivo

GONADS

- through a rhesus monkey liver. Wortmann W, et al.
J Steroid Biochem 4:271-6, May 73
 Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al.
Steroids 22:379-99, Sep 73

BLOOD

- Letter: two-hour plasma estrogen assay. Young Lal EV.
Am J Obstet Gynecol 117:584-5, 15 Oct 73
 Estriol-the hormone of pregnancy. Lox CD, et al.
Ariz Med 30:620-2, Sep 73
 Evaluation of serum estriol levels in high risk pregnancy. Lox CD, et al.
Ariz Med 30:623-5, Sep 73
 A stable uterine binding protein preparation for the assay of plasma estriol in pregnancy. Corns CM, et al.
Clin Chim Acta 47:203-10, 30 Aug 73
 Plasma estriol concentration in infants with the respiratory distress syndrome. Conly PW, et al.
J Pediatr 83:851-3, Nov 73
 Metabolism of 3H-estrone sulfate perfused in vivo through a rhesus monkey liver. Wortmann W, et al.
J Steroid Biochem 4:271-6, May 73
 Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al.
Obstet Gynecol 42:718-24, Nov 73
 Plasma estriol in normal and preclimptic multiple pregnancies. Masson GM.
Obstet Gynecol 42:568-73, Oct 73
 [Studies on the binding of steroid hormones to human pregnancy proteins. I. Identification of pregnancy-associated beta₁-glykoprotein with the steroid-binding beta-globulin (author's transl)] Bohn H, et al.
Arch Gynaekol 215:63-71, 25 May 73 (Eng. Abstr.) (Ger)
 [Half-life of (4-14C)estradiol-17 β in vivo, and metabolism of (4-14C)estrone and (4-14C)estriol in vitro in normal subjects and in patients with liver cirrhosis (author's transl)] Breuer J, et al.
Z Klin Chem Klin Biochem 11:263-9, Jun 73 (Ger)

METABOLISM

- Estriol-the hormone of pregnancy. Lox CD, et al.
Ariz Med 30:620-2, Sep 73
 Studies on estrogen entry into uterine cells and on estradiol-receptor complex attachment to the nucleus-is the entry of estrogen into uterine cells a protein-mediated process? Milgrom E, et al.
Biochim Biophys Acta 320:267-83, 14 Sep 73
 Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
Endocrinol Exp (Bratisl) 7:189-92, Sep 73
 Studies on phenolic steroids in human subjects. XVII. The kidney and fate of 15 α -hydroxysteroids. Nagatomi K, et al.
J Clin Endocrinol Metab 37:887-900, Dec 73
 An evaluation of the effects of smoking on maternal estriol excretion during pregnancy and on fetal outcome. Targett CS, et al.
J Obstet Gynaecol Br Commonw 80:815-21, Sep 73
 Defects in hepatic uptake and transport and biliary excretion of estrogens. Some new concepts of liver metabolism. Adlercreutz H, et al.
Med Chir Dig 2:59-65, 1973
 Estrogen receptor protein of pancreas. Sandberg AA, et al.
Steroids 22:259-71, Aug 73
 [Half-life of (4-14C)estradiol-17 β in vivo, and metabolism of (4-14C)estrone and (4-14C)estriol in vitro in normal subjects and in patients with liver cirrhosis (author's transl)] Breuer J, et al.
Z Klin Chem Klin Biochem 11:263-9, Jun 73 (Ger)

PHARMACODYNAMICS

- The role of the phagocyte in host-parasite interactions. XXXIX. Stimulation of bactericidal activity of myeloperoxidase-containing leukocytic fractions by estrogens. Jacobs AA, et al.
Am J Obstet Gynecol 117:671-8, 1 Nov 73
 Effects of estrogen upon bile: implications with respect to gallstone formation. Lynn J, et al.
Ann Surg 178:514-24, Oct 73
 Effect of steroids on lipid peroxidation in liver mitochondrial membranes. Vladimirov YA, et al.
Mol Biol 7:206-11, Mar-Apr 73
 [The effect of estriol on sodium and potassium

GONADS

ESTROGENS

excretion and their level in the kidney tissue of female rats] Padev AI.

Akush Ginekoi (Soflia) 12:191-7, 1973 (Eng. Abstr.) (Bul)

[Proliferative action of estriol on uterine endometrium: comparison with 17 beta-estradiol] Ohlenroth G, et al.

Gynaekol Rundsch 13:155-60, 1973 (Ger)

[General and topical effects of estriol] Bachmann FF. Zentralbl Gynaekol 95:995-9, 20 Jul 73 (Ger)

PHYSIOLOGY

Correlation between oestriol levels and serum iron-binding capacity in pregnancy. Vrettos A, et al. Acta Haematol (Basel) 49:331-4, 1973

SECRETION

[Author's modification of Brown's method for the determination of estriol in urine and its use in obstetrics] Tsvetkov T.

Akush Ginekoi (Soflia) 12:197-201, 1973 (Eng. Abstr.) (Bul)

THERAPEUTIC USE

[Estriol therapy of biochemical disorders of the vagina] Katag'ozuv I, et al.

Akush Ginekoi (Soflia) 12:243-9, 1973 (Eng. Abstr.) (Bul)

[Pharmacology of estriol in the postmenopausal woman] Demol R, et al.

Bruy Med 53:419-31, Jul 73 (Fre)

[Complex conservative therapy of urinary incontinence in elderly woman with ubretid, oestriol and gymnastic exercises (author's trans)] Slunsky R.

Wien Klin Wochenschr 85:759-62, 16 Nov 73 (Eng. Abstr.) (Ger)

[Management of infectious vaginal discharge using desquallinium chloride and its combinations with various estriol components] Kucera H, et al.

Wien Med Wochenschr 123:883-5, 17 Nov 73 (Ger)

[General and topical effects of estriol] Bachmann FF. Zentralbl Gynaekol 95:995-9, 20 Jul 73 (Ger)

URINE

Correlation between oestriol levels and serum iron-binding capacity in pregnancy. Vrettos A, et al. Acta Haematol (Basel) 49:331-4, 1973

Estriol-the hormone of pregnancy. Lox CD, et al. Ariz Med 30:620-2, Sep 73

Subnormal maternal urinary oestriol excretion when the fetus has diabetes insipidus, optic atrophy, and absence of the septum pellucidum. Macafee CA, et al.

Aust NZ J Obstet Gynaecol 13:105-6, May 73

Improved estriol determination in a continuous flow system. Lever M, et al. Biochem Med 8:188-98, Oct 73

Use of "sephadex G-15" in an improved method for estrogens in pregnancy urine. Quek ES, et al. Clin Chem 19:1204-6, Oct 73

Rapid estimation of oestriol in pregnancy urine by gas-liquid chromatography. Nugent DW, et al.

Clin Chim Acta 46:201-3, 28 Jun 73

The analysis of estrogenic steroids in urine by high-speed liquid chromatography. Dolphin RJ.

J Chromatogr 83:421-30, 29 Aug 73

Studies on phenolic steroids in human subjects. XVII. The kidney and fate of 15alpha-hydroxyestrogens.

Nagatomi K, et al.

J Clin Endocrinol Metab 37:887-900, Dec 73

Effect of ampicillin treatment on the urinary excretion of estriol conjugates in pregnancy. Tikkanen MJ, et al.

J Steroid Biochem 4:439-40, Jul 73

Abdominal pregnancy--urinary oestriol excretion.

Abell DA. S Afr Med J 47:2031-2, 27 Oct 73

A rapid quantitative method for the estimation of oestriol in human pregnancy urine. Ree T van, et al.

S Afr Med J 47:1754-6, 29 Sep 73

[Author's modification of Brown's method for the determination of estriol in urine and its use in obstetrics] Tsvetkov T.

Akush Ginekoi (Soflia) 12:197-201, 1973 (Eng. Abstr.) (Bul)

[Urinary estriol level in pregnant women and the course of labor] Lachowicz L, et al.

Ginekoi Pol 44:869-74, Aug 73 (Eng. Abstr.) (Pol)

ESTROGENIC SUBSTANCES, CONJUGATED

The use of estrogen as a postcoital contraceptive in North Carolina--trick or treatment. Crist T, et al. NC Med J 34:792-5, Oct 73

[Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.

Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Anti-shock action of steroids other than cortisone. Novelli GP, et al. Eur Surg Res 5:169-74, 1973

[Substitution therapy with equine sulfate in menopausal women] Ravid R, et al.

Harefuah 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

ADVERSE EFFECTS

The use of estrogen as a postcoital contraceptive in North Carolina--trick or treatment. Crist T, et al. NC Med J 34:792-5, Oct 73

[Conjugated estrogens for therapy of the climacterium] Mauss HJ.

Fortschr Med 91:1246-8, 8 Nov 73 (Ger)

PHARMACODYNAMICS

Role of hepatic bile composition in gallstone formation in baboons. McSherry CK, et al.

Ann Surg 178:669-75, Nov 73

THERAPEUTIC USE

Anti-shock action of steroids other than cortisone. Novelli GP, et al. Eur Surg Res 5:169-74, 1973

In vitro studies of human tumor and embryonic tissue. Allen A, et al.

Trans Pac Coast Obstet Gynecol Soc 40:8-14, 1973

[Conjugated estrogens for therapy of the climacterium] Mauss HJ.

Fortschr Med 91:1246-8, 8 Nov 73 (Ger)

[Substitution therapy with equine sulfate in menopausal women] Ravid R, et al.

Harefuah 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

URINE

The analysis of estrogenic steroids in urine by high-speed liquid chromatography. Dolphin RJ.

J Chromatogr 83:421-30, 29 Aug 73

Effect of ampicillin treatment on the urinary excretion of estriol conjugates in pregnancy. Tikkanen MJ, et al.

J Steroid Biochem 4:439-40, Jul 73

ESTROGENS

Bibliography of paper and thin-layer chromatography 1966-1969. Steroids. J Chromatogr 246-85, 1972

Experimental aspects of renal tumors. Grabstald H. J Surg Oncol 5:509-16, May 73

Food additives. Sapelka N.

World Rev Nutr Diet 16:334-62, 1973 (121 ref.)

[Changes in the uterine stroma in experimental glandular cystic endometrial hyperplasia] Antipova LM. Arkh Patol 35:45-9, 1973 (Eng. Abstr.) (Rus)

[Manifestations of immunomorphological changes in the body in cystic glandular endometrial hyperplasia] Ermakova FB.

Arkh Patol 35:41-5, 1973 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

High-dose diethylstilbestrol diphosphate therapy of prostatic cancer after failure of standard doses of estrogens. Band PR, et al.

Can Med Assoc J 109:897-9, 20 Oct 73

Estrogen pre-treatment of corticoid induced parturition in cattle. LaVole VA, et al.

J Anim Sci 37:770-5, Sep 73

Oral contraception. Eichner E.

Med Trial Tech Q 361-6, 1973

[Indications for and practical aspects of intravaginal estrogen therapy using dienestrol ortho-vaginal cream] Korte W.

Fortschr Med 91:Suppl:921-8, 16 Aug 73 (Ger)

- [Complications of therapy in gynecology (morphological studies of the effects of female sex hormones and like substances) (review) (author's transl)] Dallenbach-Hellweg G.
Verh Dtsch Ges Kreislau fforsch 56:252-83, 1972 (Eng. Abstr.) (Ger)
[Mammograms in women taking oral contraceptives (author's transl)] Brezina K, et al.
Wien Klin Wochenschr 85:785-90, 30 Nov 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

- General therapeutic and prophylactic problems in the treatment of atherosclerosis. Begg TB.
Acta Cardiol (Brux) Suppl 15:101-1, 1972
Oral contraceptives, pyridoxine, and depression.
Winston F. Am J Psychiatry 130:1217-21, Nov 73
Letter: Intracranial venous thrombosis and the pill.
Holberton PN. Br Med J 4:51, 6 Oct 73
Effect on neonatal jaundice of oestrogens and progestogens taken before and after conception.
McConnell JB, et al. Br Med J 3:605-7, 22 Sep 73
Headaches related to contraceptive therapy and their control. Desrosiers JJ. Headache 13:117-24, Oct 73
Oral contraceptives and thromboembolic disease. Drill VA. Hum Pathol 4:454-6, Dec 73
Secondary hyperlipidaemia. Chalt A.
J Clin Pathol [Suppl] 5:Suppl 5:68-71, 1973 (32 ref.)
Guest editorial: Exogenous hormones--boon or culprit?
Wynder EL, et al. J Natl Cancer Inst 51:729-31, Sep 73
Letter: Guide to steroid contraception in general practice. Nodelovitz M. S Afr Med J 47:2040, 3 Nov 73
[Possible carcinogenic action of contraceptives] Rudall G, et al. Maroc Med 52:558-61, Oct 72 (20 ref.) (Fre)
[Genital hemorrhage in early pregnancy] Staemmler HJ. Dtsch Med Wochenschr 98:1683, 7 Sep 73 (Ger)
[Photosensitization caused by drugs] Pathak MA, et al. Internist (Berlin) 14:339-44, Jul 73 (Ger)
[Complications of therapy in gynecology (morphological studies of the effects of female sex hormones and like substances) (review) (author's transl)] Dallenbach-Hellweg G.
Verh Dtsch Ges Kreislau fforsch 56:252-83, 1972 (Eng. Abstr.) (Ger)
[Hyperplasia of prolactin cells after estrogen therapy in carcinoma of the prostate (author's transl)] Hachmeister U.
Verh Dtsch Ges Kreislau fforsch 56:535-9, 1972 (Eng. Abstr.) (Ger)
[Hyperplasia and metaplasia of the endometrium under the influence of ovarian hormones (author's transl)] Nemetschek-Gansler H.
Verh Dtsch Ges Kreislau fforsch 56:526-9, 1972 (Eng. Abstr.) (Ger)
[Therapy damage in gynecology. (Clinical observations of the effects of female sexual hormones and of compounds with similar action) (report) (author's transl)] Ober KG.
Verh Dtsch Ges Kreislau fforsch 56:283-91, 1972 (Eng. Abstr.) (Ger)
[Mammograms in women taking oral contraceptives (author's transl)] Brezina K, et al.
Wien Klin Wochenschr 85:785-90, 30 Nov 73 (Eng. Abstr.) (Ger)

ANALYSIS

- Gynecologic cytology. Solka CV.
Am J Nurs 73:2092-4, Dec 73
Applications of artificial intelligence for chemical inference. IX. Analysis of mixtures without prior separation as illustrated for estrogens. Smith DH, et al. J Am Chem Soc 95:6078-84, 5 Sep 73
[Sex hormones in foodstuffs] Glatzel H.
Ther Ggw 112:1266 passim, Aug 73 (Ger)

ANTAGONISTS & INHIBITORS

- Anti-oestrogenic activity in compounds related to ethamoxyltriphethyl (MER 25), clomiphene and MRL 37. Clark ER, et al. Br J Pharmacol 48:345P, Jun 73
The induction of ovulation by tamoxifen. Williamson JG, et al.
J Obstet Gynaecol Br Commonw 80:844-7, Sep 73
The effect of oestradiol, testosterone and dihydrotestosterone on sexual motivation in the ovariectomized female rat. McDonald PG, et al. Physiol Behav 11:515-20, Oct 73

BIOSYNTHESIS

- Conversion of hydrocortisone to estrogen in carcinoma of the breast after oophorectomy and adrenalectomy. Stonesifer GL Jr, et al. Ann Surg 178:563-4, Nov 73
Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Glibori G, et al. Biol Reprod 9:309-16, Oct 73
Placental metabolism in relation to toxicology. Juchau MR. CRC Crit Rev Toxicol 2:125-58, Sep 73 (163 ref.)
Editorial: Fetoplacental function tests.
Lancet 2:947-8, 27 Oct 73
Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. Obstet Gynecol 42:718-24, Nov 73
Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. Steroids 22:379-99, Sep 73
[Role of maternal adrenal glands in production of estrogens in the pregnant sow] Fèvre J, et al. Ann Biol Anim Biochim Biophys 12:559-67, 1972 (Eng. Abstr.) (Fre)
[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)
[Ovarian hormonogenesis and its changes in cystic disease in women] Aratel H, et al.
Stud Cercet Endocrinol 24:431-4, 1973 (Rum)

BLOOD

- Peripheral plasma levels of oestrogens, progesterone and 17alpha-hydroxyprogesterone during gestation in the rhesus monkey. Bosu WT, et al.
Acta Endocrinol (Khh) 74:348-80, Oct 73
Peripheral plasma levels of oestrogen and progesterone in pregnant rhesus monkeys treated with dexamethasone. Bosu WT, et al.
Acta Endocrinol (Khh) 74:338-47, Oct 73
Letter: two-hour plasma estrogen assay. Young Lal EV. Am J Obstet Gynecol 117:584-5, 15 Oct 73
Mass fragmentographic analysis of steroids, catecholamines, and amino acids in biological materials. Maume BF, et al.
Anal Chem 46:1073-82, Jun 73
Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dhont M, et al.
Ann Endocrinol (Paris) 34:319-26, May-Jun 73
Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. Bettendorf G, et al. Endocrinol Exp (Bratisl) 7:215-20, Sep 73
Ovarian steroid patterns in peripheral plasma during the menstrual cycle in the rhesus monkey. Bosu WT, et al. Folia Primatol (Basel) 19:218-34, 1973
Plasma estrogens in pregnant and postpartum mares. Nett TM, et al. J Anim Sci 37:962-70, Oct 73
Oestrogen receptors in the mammary gland of the lactating rat. Hsueh AJ, et al.
J Endocrinol 58:503-11, Sep 73
The clinical and endocrinological effect of oestradiol implants at the time of hysterectomy and bilateral salpingo-oophorectomy. Hunter DJ, et al.
J Obstet Gynaecol Br Commonw 80:827-33, Sep 73
Urinary excretion of non-conjugated oestrogens during the menstrual cycle. Oakey RE.
J Obstet Gynaecol Br Commonw 80:794-7, Sep 73
Human fetal and maternal plasma oestrogens and the onset of labour. Patten PT, et al.
J Obstet Gynaecol Br Commonw 80:952-6, Nov 73
Plasma hormone levels in beef cows with induced multiple ovulations. Henricks DM, et al.
J Reprod Fertil 35:225-33, Nov 73
Concentrations of oestrogens and progesterone in the plasma of ovariectomized and ovariectomized Norgestrel-treated pregnant guinea-pigs. Illingworth DV, et al. J Reprod Fertil 34:289-96, Aug 73
Editorial: Fetoplacental function tests.
Lancet 2:947-8, 27 Oct 73
Letter: Uterine activity following intravenous administration of oxytocin to foetal sheep.
Nathanielsz PW, et al. Nature 243:471-2, 22 Jun 73
The mechanism of initiation of parturition in the ewe. Liggins GC, et al.
Recent Prog Horm Res 29:111-59, 1973
Proceedings: Variations in peripheral blood concentrations of progesterone and total free oestrogens in the non-pregnant bitch. Hadley JC. Vet Rec 93:77, 21 Jul 73
[Studies on the binding of steroid hormones to human

pregnancy proteins. I. Identification of pregnancy-associated beta₂-glykoprotein with the steroid-binding beta-globulin (author's transl)] Bohn H, et al.

Arch Gynaekol 215:63-71, 25 May 73 (Eng. Abstr.) (Ger)

[Estrogen-interpretation of the test results] Suzuki M, et al. Jap J Clin Med 31:1568-73, 1973 (Jap)

[Determination of estrogens in the blood plasma of women by competitive protein binding] Sturchak SV, et al.

Probl Endokrinol (Mosk) 19:36-41, Sep-Oct 73 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

[Thermogenic capacity of breast carcinomas. II. Variation during hormonal tests] Gautherie M, et al. Biomedicine 18:421-8, Sep 73 (Eng. Abstr.) (Fre)

METABOLISM

Photoaffinity labels for estrogen binding proteins of rat uterus. Katzenellenbogen JA, et al.

Biochemistry 12:4085-92, 9 Oct 73

On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA.

Biochim Biophys Acta 322:68-74, 21 Sep 73

Inhibition of aflatoxin and zearalenone biosynthesis with dichlorvos. Rao HR, et al.

Bull Environ Contam Toxicol 10:112-5, Aug 73

Standards for the assessment of estrogen receptors in human breast cancer. Report of a workshop on September 29, 1972, at the Antoni van Leeuwenhoek-Huis, Amsterdam.

Eur J Cancer 9:379-81, May 73

A radioautographic method for the localization of steroid ligands and receptors by cell affinity labelling.

Uriel J, et al. Exp Cell Res 80:449-53, Aug 73

Measurement of estrogen-binding capacity in the hormone-dependent and -independent rat mammary tumors. Nomura Y, et al. Gann 64:401-4, Aug 73

17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al.

Horm Res 4:34-42, 1973

Oestrogen receptors in the mammary gland of the lactating rat. Hsueh AJ, et al.

J Endocrinol 58:503-11, Sep 73

Defects in hepatic uptake and transport and biliary excretion of estrogens. Some new concepts of liver metabolism. Adlercreutz H, et al.

Med Chir Dig 2:59-65, 1973

[Dysfunctional endometria] Zavadil M, et al. Cesk Patol 9:113-28, Aug 73 (Eng. Abstr.) (Cze)

[Giant uterine leiomyoma in a congenital adrenogenital syndrome] Sege D, et al.

Schweiz Med Wochenschr 103:1743-9, 8 Dec 73 (Eng. Abstr.) (Ger)

[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al.

Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

[New etiopathogenetic and therapeutic studies in threatened abortion] Golsis M, et al.

Minerva Ginecol 25:481-92, Aug 73 (Ita)

[Interaction of hormone with its receptors (author's transl)] Kato J.

Protein Nucleic Acid Enzyme (Tokyo) 18:618-30, Jun 73 (153 ref.) (Jap)

[Gene activation and mRNA synthesis in higher organisms] Olsnes S.

Tidsskr Nor Laegeforen 93:1230-5, 10 Jun 73 (19 ref.) (Eng. Abstr.) (Nor)

PHARMACODYNAMICS

Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL.

Adv Pharmacol Chemother 11:99-150, 1973 (415 ref.)

The role of the phagocyte in host-parasite interactions. XXXIX. Stimulation of bactericidal activity of myeloperoxidase-containing leukocytic fractions by estrogens. Jacobs AA, et al.

Am J Obstet Gynecol 117:671-8, 1 Nov 73

Plasma prolactin changes following cortical spreading depression in female rats. Colombo JA, et al.

Am J Physiol 225:766-9, Oct 73

Oral contraceptives, pyridoxine, and depression. Winston F. Am J Psychiatry 130:1217-21, Nov 73

Role of hepatic bile composition in gallstone formation

in baboons. McSherry CK, et al.

Ann Surg 178:669-75, Nov 73

Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism.

Arch Intern Med 132:616-9, Oct 73

Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. Okada Y, et al.

Biochem Biophys Res Commun 53:1180-6, 21 Aug 73

High-dose diethylstilbestrol diphosphate therapy of prostatic cancer after failure of standard doses of estrogens. Band PR, et al.

Can Med Assoc J 109:697-9, 20 Oct 73

Maintenance of pregnancy in prepubertal gilts. Ellicott AR, et al. J Anim Sci 37:971-3, Oct 73

Estrogen pre-treatment of corticoid induced parturition in cattle. LaVole VA, et al.

J Anim Sci 37:770-5, Sep 73

Estrogen potentiation of phenothiazine-induced prolactin secretion in man. Buckman MT, et al.

J Clin Endocrinol Metab 37:977-80, Dec 73

Effect of simple amino acid replacements on the biological activity of luteinizing hormone-releasing hormone. Coy DH, et al. J Med Chem 16:1140-3, Oct 73

The induction of ovulation by tamoxifen. Williamson JG, et al.

J Obstet Gynaecol Br Commonw 80:844-7, Sep 73

Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. Dey SK, et al. J Reprod Fertil 34:475-9, Sep 73

Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. J Steroid Biochem 4:341-7, Jul 73

Hormonal effects on the action of rabbit uterine extract on the rat uterine contractility. Mori N, et al.

Kumamoto Med J 26:80-3, 30 Jun 73

Hormone assays on breast-tumour cultures. Riley PA, et al. Lancet 2:818-20, 13 Oct 73

Effect of steroids on lipid peroxidation in liver mitochondrial membranes. Vladimirov YA, et al.

Mol Biol 7:206-11, Mar-Apr 73

It's your age. Midwinter A.

Nurs Mirror 137:24-6, 21 Sep 73

Reproductive biology and human welfare. Biggers JD. Perspect Biol Med 16:630-49, Summer 73

Progesterone antagonism of papain emphysema: role of sex, estrogens and serum antitrypsin. Gles RE, et al.

Proc Soc Exp Biol Med 144:487-91, Nov 73

In vivo stimulation of prolactin release in the rat by synthetic TRH. Mueller GP, et al.

Proc Soc Exp Biol Med 144:613-5, Nov 73

Increased susceptibility of Cryptococcus neoformans to amphotericin B in the presence of steroids. Mohr JA, et al. Sabouraudia 11:140-2, Jul 73

Luteinizing hormone-releasing factor potentiates lordosis behavior in hypophysectomized ovariectomized female rats. Pfaff DW.

Science 182:1148-9, 14 Dec 73

Antifertility agents: introduction and history. Balin H, et al. Semin Drug Treat 3:117-9, Autumn 73

Fertility inducing agents: introduction. Balin H, et al. Semin Drug Treat 3:157-8, Autumn 73

The use of clomiphene citrate in the treatment of anovulation. Kistner RW.

Semin Drug Treat 3:159-76, Autumn 73 (25 ref.)

[Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.

Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)

[Methods and application of the organ culture technique in clinical and experimental cancer research (author's transl)] Matthias M.

Arch Geschwulstforsch 41:382-97, 1973 (150 ref.) (Eng. Abstr.) (Ger)

[The acute feedback action of exogenously administered oestrogens on the

serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al.

Arch Gynaekol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)

[Experimental investigations on facilitation of E. coli pyelonephritis (author's transl)] Sack K, et al.

Urol Int 28:178-83, 1973 (Eng. Abstr.) (Ger)

[TRH test-interpretation of the test results] Miyal K, et al. Jap J Clin Med 31:1598-605, 1973 (47 ref.) (Jap)

PHYSIOLOGY

Reactivity of the uterine arteries in the rat during

ESTROGENS

- oestrus and pregnancy. Cséplí J, et al.
Acta Chir Acad Sci Hung 14:153-64, 1973
- The relationship of oral contraception to depressive symptoms. Leeton J.
Aust NZ J Obstet Gynaecol 13:115-20, May 73
- The treatment of menopausal disorders. Cannon AF.
Drugs 6:137-42, 1973
- Skin melanin content in blue-eyed and brown-eyed subjects. Robins AH. Hum Hered 23:13-8, 1973
- Letter: Odour-blindness to musk: simple recessive inheritance. Whlssell-Buechy D, et al.
Nature 245:157-8, 21 Sep 73
- Endometrial cancer. Facts and theories. Nordqvist SR.
Pathol Annu 8:283-300, 1973 (93 ref.)
- The effects of gonadectomy on the sex differences in dietary self-selection patterns and carcass compositions of rats. Leshner AI, et al.
Physiol Behav 11:671-6, Nov 73
- Regulation of scent marking in the female Mongolian gerbil Meriones mongolicus. Owen K, et al.
Physiol Behav 11:441-5, Oct 73
- Isometric contractions of isolated rat uterine muscle: relation to estrous cycle and pregnancy. Naftalin NJ, et al. Proc Soc Exp Biol Med 143:884-8, Sep 73
- [Evaluation of hormonal colposcopy during the climacteric] Di Paola G.
An R Acad Nacl Med (Madr) 90:477-89, 1973 (Spa)

POISONING

- [Children and contraceptive pills. What risk is there in accidental intake?] Bergsjö P.
Tidsskr Nor Laegeforen 93:1255, 10 Jun 73 (Nor)

SECRETION

- Gonadal function in hypophysectomized dogs with glandular transplants in the sella turcica.
Alvarez-Buylla R, et al.
Acta Physiol Lat Am 23:75-82, 1973
- Cyclic variations in vaginal thermal conductance in ewes. Abrams RM, et al.
Am J Obstet Gynecol 117:480-2, 15 Oct 73
- The effects of X-irradiation of the rat ovary on implantation and embryonic development. Gibbons AF, et al. Biol Reprod 9:343-9, Nov 73
- Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gabori G, et al.
Biol Reprod 9:309-16, Oct 73
- Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Greenwald GS.
Biol Reprod 9:437-46, Nov 73
- Effect of gonadotrophins on the production of steroids by sheep ovarian follicles cultured in vitro. Moor RM, et al. J Endocrinol 58:599-611, Sep 73
- Defects in hepatic uptake and transport and biliary excretion of estrogens. Some new concepts of liver metabolism. Adlercreutz H, et al.
Med Chir Dig 2:59-65, 1973

THERAPEUTIC USE

- Premature ovarian failure. Starup J, et al.
Acta Obstet Gynecol Scand 52:259-68, 1973
- Hypocalcemia associated with metastatic bone disease. A retrospective study. Raskin P, et al.
Arch Intern Med 132:539-43, Oct 73
- Letter: Breast cancer regression under oestrogen therapy. García Webb P, et al.
Br Med J 4:419-20, 17 Nov 73
- The treatment of menopausal disorders. Cannon AF.
Drugs 6:137-42, 1973
- Lactic dehydrogenase isozymes in benign and malignant prostatic tissues. Srinivasan V, et al.
Invest Urol 11:244-7, Nov 73
- Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA.
J Am Osteopath Assoc 73:35-8, Sep 73
- Thyroxine kinetics during prolonged estrogen administration. Zanolovich AA.
J Clin Endocrinol Metab 37:949-54, Dec 73
- A single method for measuring total thyroxine and free thyroxine index in serum. Abreau C, et al.
J Nucl Med 14:740-6, Oct 73
- The induction of ovulation by tamoxifen. Williamson JG, et al.
J Obstet Gynaecol Br Commonw 80:844-7, Sep 73
- Giant prostatic cancer with acromegaly. Krawitt LN.
J Urol 110:441-2, Oct 73

GONADS

- Acne vulgaris. Reisner RM.
Pediatr Clin North Am 20:851-64, Nov 73 (27 ref.)
- Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ.
Trans Pac Coast Obstet Gynecol Soc 40:111-6, 1973
- [The outcome of prostatic cancer treated with estrogens] Claereboudt E, et al.
Acta Urol Belg 41:427-31, Jul 73 (Eng. Abstr.) (Fre)
- [The year in endocrinology] Albeaux-Fernet M, et al.
Annee Endocrinol 24:1-197, 1972 (9 ref.) (Fre)
- [Prostate cytology. Clinical significance, diagnostic possibilities] Faul P.
Fortschr Med 91:1217, 8 Nov 73 (Ger)
- [Treatment of patients with mammary cancer. Experiences in a gynecological-oncological postoperative treatment clinic] Leonhardt A.
Munch Med Wochenschr 115:899-903, 11 May 73 (Eng. Abstr.) (Ger)
- [Treatment of prostatic carcinoma from the urological viewpoint] Burchardt P.
Roentgenhlaetter 26:432-4, Oct 73 (Ger)
- [Treatment of prostatic carcinoma from the clinical radiological viewpoint] Sack H.
Roentgenhlaetter 26:427-30, Oct 73 (Eng. Abstr.) (Ger)
- [Treatment of metastasizing breast cancer in general practice] Brunner KW.
Schweiz Med Wochenschr 103:1406-13, 13 Oct 73 (Eng. Abstr.) (Ger)
- [Treatment of prostatic, corpus uteri and kidney neoplasms (hypernephromas) in general practice] Obrecht JP, et al.
Schweiz Med Wochenschr 103:1414-21, 13 Oct 73 (Eng. Abstr.) (Ger)

URINE

- Pregnancy in a patient after cadaveric renal transplantation. Horbach J, et al.
Acta Med Scand 194:237-40, 1973
- Premature ovarian failure. Starup J, et al.
Acta Obstet Gynecol Scand 52:259-68, 1973
- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H.
Acta Obstet Gynecol Scand [Suppl] 1-78, 1973
- Studies on human conception. Edwards RG.
Am J Obstet Gynecol 117:587-601, 1 Nov 73
- Hypergonadotropic amenorrhoea or oligomenorrhoea: response to clomiphene. Dhont M, et al.
Ann Endocrinol (Paris) 34:319-26, May-Jun 73
- Use of "sephadex G-15" in an improved method for estrogens in pregnancy urine. Quek ES, et al.
Clin Chem 19:1204-6, Oct 73
- Isochromosome Y (46,X,Yq) and female phenotype. Böök JA, et al. Clin Genet 4:410-4, 1973
- Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. Bettendorf G, et al.
Endocrinol Exp (Bratisl) 7:215-20, Sep 73
- 17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al.
Horm Res 4:34-42, 1973
- Value of total urinary estrogen assays in the management of toxemic pregnancies in Malaysian women. Chan WF, et al. Int Surg 58:784-6, Nov-Dec 73
- The analysis of estrogenic steroids in urine by high-speed liquid chromatography. Dolphin RJ.
J Chromatogr 83:421-30, 29 Aug 73
- Urinary excretion of non-conjugated estrogens during the menstrual cycle. Oakley RE.
J Obstet Gynaecol Br Commonw 80:794-7, Sep 73
- Ovarian tumours in postmenopausal women. Clinicopathological features and hormonal studies. Rome RM, et al.
J Obstet Gynaecol Br Commonw 80:984-91, Nov 73
- Feminising interstitial cell tumour of the testis. Gray SP, et al. J R Nav Med Serv 59:71-6, Summer 73
- Editorial: Fetoplacental function tests.
Lancet 2:947-8, 27 Oct 73
- Assay of 17-hydroxysteroids, 17-ketosteroids and estrogens in random urine samples of neonates. Sawa H, et al. Mater Med Pol 5:194-6, Jul-Sep 73
- Cyclophosphamide-induced ovarian failure. Warne GL, et al. N Engl J Med 289:1159-62, 29 Nov 73
- Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. Obstet Gynecol 42:718-24, Nov 73
- Immunization of female baboons with hapten-coupled gonadotropins. Stevens VC.
Obstet Gynecol 42:496-506, Oct 73
- [Profile of urinary steroids in cirrhosis: a study using a method of analysis in the gas phase] Elkaim R, et al.

- Ann Endocrinol (Paris) 34:241-60, May-Jun 73 (Eng. Abstr.) (Fre)
- [Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.
- Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [The relationship between placental morphology and biochemical parameters in EPH-gestosis (toxemia) and diabetes mellitus. Dehydroepiandrosterone-test, in vitro conversion-rate of 4-14C-dehydroepiandrosterone to estrogens, maternal 24 h-urinary estrogen excretion (author's transl)] Schuhmann R, et al.
- Arch Gynaekol 215:72-84, 25 May 73 (Eng. Abstr.) (Ger)
- [Estrogen excretion in high-risk pregnancies. Maternal estrogen excretion in 24-hour-urine and infant data in high-risk pregnancies] Geler G, et al.
- Fortschr Med 91:1073-6, 27 Sep 73 (Eng. Abstr.) (Ger)
- [Investigations on the usefulness of Ittrich's method for the determination of total urinary estrogen during pregnancy (author's transl)] Ardelt W, et al.
- Geburtshilfe Frauenheilkd 33:878-83, Aug 73 (Eng. Abstr.) (Ger)
- [Treatment of the carcinoma of the prostate with gestagens (author's transl)] Popeller G.
- Urologe [A] 12:134-9, May 73 (Eng. Abstr.) (Ger)
- [Functional state of the hypothalamo-hypophyseal-ovarian system in myasthenia] Manulova IA, et al.
- Sov Med 36:12-7, Jun 73 (Eng. Abstr.) (Rus)
- [Evaluation of hormonal colpocytology during the climacteric] Di Paola G.
- An R Acad Nacl Med (Madr) 90:477-89, 1973 (Spa)

ESTRONE

ADMINISTRATION & DOSAGE

- Estrogen pre-treatment of corticoid induced parturition in cattle. LaVole VA, et al.
- J Anim Sci 37:770-5, Sep 73

ANALYSIS

- Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
- Endocrinol Exp (Bratisl) 7:189-92, Sep 73
- Applications of artificial intelligence for chemical inference. IX. Analysis of mixtures without prior separation as illustrated for estrogens. Smith DH, et al.
- J Am Chem Soc 95:8078-84, 5 Sep 73

BIOSYNTHESIS

- In vitro conversion of (4-14C) dehydroepiandrosterone and androstenedione to oestrogens by the microsomes of placentas from normal, toxemic, diabetic and postmature pregnancies. Lehmann WD, et al.
- Acta Endocrinol (Kbh) 73:771-89, Aug 73
- In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al.
- Endocrinol Exp (Bratisl) 7:207-14, Sep 73
- Conversion of progesterone to estrone and estradiol in vitro by the ovary of the infantile rat in relation to the development of its interstitial tissue. Quattropani SL, et al.
- Endocrinology 93:1269-76, Dec 73
- Steroid hormone production by pig blastocysts. Perry JS, et al.
- Nature 245:45-7, 7 Sep 73
- Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al.
- Steroids 22:379-99, Sep 73
- [Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al.
- Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

BLOOD

- Peripheral plasma levels of oestrogen and progesterone in pregnant rhesus monkeys treated with dexamethasone. Bosu WT, et al.
- Acta Endocrinol (Kbh) 74:338-47, Oct 73
- Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Greenwald GS.
- Biol Reprod 9:437-46, Nov 73
- Endocrine response after GnRH in luteal phase cows

- and cows with ovarian follicular cysts. Klittok RJ, et al.
- J Anim Sci 37:985-9, Oct 73
- Plasma estrogens in pregnant and postpartum mares. Nett TM, et al.
- J Anim Sci 37:962-70, Oct 73
- Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al.
- J Clin Endocrinol Metab 37:581-7, Oct 73
- The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al.
- J Clin Endocrinol Metab 37:574-80, Oct 73
- The metabolic clearance rate, production rate and conversion ratios of oestrone in the sheep. Challis JR, et al.
- J Endocrinol 58:435-46, Sep 73
- Human fetal and maternal plasma oestrogens and the onset of labour. Patten PT, et al.
- J Obstet Gynaecol Br Commonw 80:952-6, Nov 73
- Metabolism of 3H-estrone sulfate perfused in vivo through a rhesus monkey liver. Wortmann W, et al.
- J Steroid Biochem 4:271-6, May 73
- Effects of immunization with hapten-coupled HCG on the human menstrual cycle. Stevens VC, et al.
- Obstet Gynecol 42:485-95, Oct 73
- Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Biddingmaler F, et al.
- Pediatr Res 7:901-7, Nov 73
- Unconjugated estrogens in the perinatal period. Kenny FM, et al.
- Pediatr Res 7:826-31, Oct 73
- [Half-life of (4-14C)estradiol-17beta in vivo, and metabolism of (4-14C)estrone and (4-14C)estradiol in vitro in normal subjects and in patients with liver cirrhosis (author's transl)] Breuer J, et al.
- Z Klin Chem Klin Biochem 11:263-9, Jun 73 (Ger)

CHEMICAL SYNTHESIS

- Concerning the mechanism of a nonenzymic biogenetic-like olefinic cyclization. Bartlett PA, et al.
- J Am Chem Soc 95:7502-4, 31 Oct 73
- A stereospecific total synthesis of estrone via a cationic olefinic cyclization. Bartlett PA, et al.
- J Am Chem Soc 95:7501-2, 31 Oct 73
- Steroid total synthesis. X. Optically active estrone precursors and racemic equilenin methyl ether. Cohen N, et al.
- J Org Chem 38:3229-39, 21 Sep 73
- 15-Oxa steroids. Rosen P, et al.
- J Org Chem 38:3040-6, 24 Aug 73

ISOLATION & PURIFICATION

- Steroid hormone production by pig blastocysts. Perry JS, et al.
- Nature 245:45-7, 7 Sep 73

METABOLISM

- Effect of triton X-100 on the conjugation of tetrahydrocortisone, in vitro. Miller KW, et al.
- Biochem Pharmacol 22:2319-27, 15 Sep 73
- Photoaffinity labels for estrogen binding proteins of rat uterus. Katzenellenbogen JA, et al.
- Biochemistry 12:4085-92, 9 Oct 73
- Studies on estrogen entry into uterine cells and on estradiol-receptor complex attachment to the nucleus—is the entry of estrogen into uterine cells a protein-mediated process? Millgrom E, et al.
- Biochim Biophys Acta 320:267-83, 14 Sep 73
- Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
- Endocrinol Exp (Bratisl) 7:189-92, Sep 73
- The metabolic clearance rate, production rate and conversion ratios of oestrone in the sheep. Challis JR, et al.
- J Endocrinol 58:435-46, Sep 73
- Similarities and differences in the binding of estradiol-17beta to rat oviduct and uterus. Sen KK, et al.
- J Reprod Fertil 35:369-72, Nov 73
- Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al.
- J Steroid Biochem 4:369-79, Jul 73
- Metabolism of 3H-estrone sulfate perfused in vivo through a rhesus monkey liver. Wortmann W, et al.
- J Steroid Biochem 4:271-6, May 73
- Steroid hormone production by pig blastocysts. Perry JS, et al.
- Nature 245:45-7, 7 Sep 73
- Mechanism of catechol estrogen formation in man. Fishman J, et al.
- Steroids 22:401-11, Sep 73
- [Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al.
- Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

[Half-life of (4-14C) oestradiol-17 β in vivo, and metabolism of (4-14C) oestrone and (4-14C) oestradiol in vitro in normal subjects and in patients with liver cirrhosis (author's transl)] Breuer J, et al.
Z Klin Chem Klin Biochem 11:263-9, Jun 73 (Ger)

PHARMACODYNAMICS

The role of the phagocyte in host-parasite interactions. XXXIX. Stimulation of bactericidal activity of myeloperoxidase-containing leukocytic fractions by estrogens. Jacobs AA, et al.
Am J Obstet Gynecol 117:871-8, 1 Nov 73
The effects of gonadotropin preparations and steroid hormones on the ovaries of intact and gonadotropin-deprived gudgeons, *Hypseleotris galli*. Mackay NJ. Gen Comp Endocrinol 21:278-88, Oct 73
Maintenance of pregnancy in prepubertal gilts. Ellicott AR, et al. J Anim Sci 37:971-3, Oct 73
The effects of age and oestrone treatment on DNA polymerase activity in anterior pituitary glands of male rats. Mastro A, et al.
J Endocrinol 59:107-19, Oct 73
Some effects of steroids on the immature mouse ovary in vitro. Kent J. J Reprod Fertil 34:297-303, Aug 73
Effect of steroids on lipid peroxidation in liver mitochondrial membranes. Vladimirov YA, et al. Mol Biol 7:206-11, Mar-Apr 73
Regulation of scent marking in the female Mongolian gerbil *Meriones unguiculatus*. Owen K, et al. Physiol Behav 11:441-5, Oct 73
[Influence of testosterone and their antagonists, cyproteron acetate and oestradiol, on lipidogen effect of sucrose by the rat (author's transl)] Lederer J, et al.
Ann Endocrinol (Paris) 34:336-40, May-Jun 73 (Eng. Abstr.) (Fre)

SECRETION

Long-term culture of differentiated granulosa cells from individual bovine follicles. Korenman SG, et al. Endocrinology 93:1423-7, Dec 73
Ovarian secretion of oestradiol, oestrone, 20-dihydroprogesterone and progesterone during the oestrous cycle of the guinea-pig. Joshi HS, et al. J Reprod Fertil 35:177-81, Oct 73

THERAPEUTIC USE

[Results of treatment of juvenile hemorrhagic metropathy with the authors method of hormone therapy, consisting of a combination of estrogen and progesterone] Markovski N.
Akush Ginekol (Sofia) 12:14-20, 1973 (Eng. Abstr.) (Bul)

URINE

The analysis of estrogenic steroids in urine by high-speed liquid chromatography. Dolphin RJ. J Chromatogr 83:421-30, 29 Aug 73
A study on the monitoring of gonadotrophin therapy by the assay of plasma oestradiol and progesterone. Shaaban MM, et al.
J Obstet Gynaecol Br Commonw 80:783-93, Sep 73
[Role of maternal adrenal glands in production of estrogens in the pregnant sow] Fèvre J, et al. Ann Biol Anim Biochim Biophys 12:559-67, 1972 (Eng. Abstr.) (Fre)

ETHINYL ESTRADIOL

Effect of phenobarbital on the ethinyl estradiol-induced cholestasis in the rat. Gumucio JJ, et al. Gastroenterology 65:651-7, Oct 73
Laparoscopic removal of an intrauterine contraceptive device in an oral contraceptive user. Holt R. South Med J 66:1050, Sep 73
[Clinical study of a new oral contraceptive: ovostat] Callaerts J, et al.
Brux Med 53:409-18, Jul 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Scanning electron microscopic observations on the ciliogenesis of the infundibulum of the human fetal and adult fallopian tube epithelium. Patek E, et al. Fertil Steril 24:819-31, Nov 73

Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. J Urol 110:84-9, Jul 73
[Letter: Hormonal suppression of menstruation before surgery] Staemmler HJ.
Med Klin 68:1240, 21 Sep 73 (Ger)

ADVERSE EFFECTS

Erythema nodosum and serological lupus erythematosus. Simultaneous occurrence in a patient using oral contraceptives. Elias PM.
Arch Dermatol 108:716-8, Nov 73
Possible association between benign hepatomas and oral contraceptives. Baum JK, et al.
Lancet 2:926-9, 27 Oct 73
[Genital hemorrhage in early pregnancy] Staemmler HJ. Dtsch Med Wochenschr 98:1683, 7 Sep 73 (Ger)

ANALYSIS

Localization of ethynyl oestradiol in the reproductive tract of women. Reed MJ, et al.
J Endocrinol 58:643-56, Sep 73

DIAGNOSTIC USE

[Thermogenic capacity of breast carcinomas. II. Variation during hormonal tests] Gautherie M, et al. Biomedicine 18:421-8, Sep 73 (Eng. Abstr.) (Fre)

METABOLISM

Irreversible protein binding of metabolites of ethynyl oestradiol in vivo and in vitro. Kappus H, et al. Steroids 22:203-25, Aug 73
[Microbial hydrogenation of the aromatic moiety of 17 alpha ethinyl estradiol] Schubert K, et al.
J Steroid Biochem 4:283-8, May 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al.
Am J Obstet Gynecol 117:757-73, 15 Nov 73
The melanocyte system of cattle skin. II. Melanotic melanocytes of epidermis and dermis. Schlegel AV, et al. Aust J Biol Sci 26:985-97, Aug 73
The melanocyte system of cattle skin. I. Amelanotic dendritic cells of epidermis. Schlegel AV, et al. Aust J Biol Sci 26:973-83, Aug 73
Effects of some contraceptive steroids on serum proteins of women. Briggs M, et al.
Biochem Pharmacol 22:2277-81, 15 Sep 73
Estrogen potentiation of phenothiazine-induced prolactin secretion in man. Buckman MT, et al. J Clin Endocrinol Metab 37:977-80, Dec 73
Homeostasis during fasting. II. Hormone substrate differences between men and women. Merimee TJ, et al. J Clin Endocrinol Metab 37:698-702, Nov 73
Positive feedback effect of progestin upon serum gonadotropins in estrogen-primed castrate men. Stearns EL, et al.
J Clin Endocrinol Metab 37:635-8, Oct 73
Effect of steroids on lipid peroxidation in liver mitochondrial membranes. Vladimirov YA, et al. Mol Biol 7:206-11, Mar-Apr 73
Effects of contraceptive pill constituents on foetal mouse hearts. Hassan MM, et al.
Nature 244:349-51, 10 Aug 73
[Effects of cyproterone and ethinyl oestradiol on sebum secretion (author's transl)] Winkler K, et al. Arch Dermatol Forsch 247:259-64, 19 Sep 73 (Eng. Abstr.) (Ger)
[The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al.
Arch Gynaekol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)
[Influence of synthetic LH-RH on gonadotrophin release under treatment with an oral contraceptive] Becker H, et al.
Klin Wochenschr 51:159-61, 1 Aug 73 (Ger)
[Total and free serum thyroxine and triiodothyronine levels and the effect of estrogen in a family with thyroxine-binding globulin deficiency] Sakurada T, et al.
Folia Endocrinol Jap 49:1198-206, 20 Sep 73 (Eng. Abstr.) (Jap)

GONADS HYDROXYPROGESTERONE

THERAPEUTIC USE

Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73
[Effects of cyproterone and ethinyl-oestradiol on sebum secretion (author's transl)] Winkler K, et al. *Arch Dermatol Forsch* 247:259-64, 19 Sep 73 (Eng. Abstr.) (Ger)

ETHISTERONE

ADVERSE EFFECTS

[Genital hemorrhage in early pregnancy] Staemmler HJ. *Dtsch Med Wochenschr* 98:1683, 7 Sep 73 (Ger)

PHARMACODYNAMICS

The melanocyte system of cattle skin. I. Amelanotic dendritic cells of epidermis. Schleger AV, et al. *Aust J Biol Sci* 26:973-83, Aug 73
The melanocyte system of cattle skin. II. Melanotic melanocytes of epidermis and dermis. Schleger AV, et al. *Aust J Biol Sci* 26:985-97, Aug 73

ETHYNODIOL DIACETATE

ADVERSE EFFECTS

Erythema nodosum and serological lupus erythematosus. Simultaneous occurrence in a patient using oral contraceptives. Ellas PM. *Arch Dermatol* 108:716-8, Nov 73
The relationship of oral contraception to depressive symptoms. Leeton J. *Aust NZ J Obstet Gynaecol* 13:115-20, May 73

PHARMACODYNAMICS

Liver function during short-term administration of oral contraceptives in premenopausal women. Jain M, et al. *Indian J Med Res* 61:570-1, Apr 73
Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73

FERTILITY AGENTS

ADVERSE EFFECTS

Letter: Anencephaly, ovulation stimulation, subfertility, and illegitimacy. *Lancet* 2:916-7, 20 Oct 73

ISOLATION & PURIFICATION

Isolation of a factor from human seminal plasma that promotes fertilization. Gaur RD, et al. *Nature* 244:450-2, 17 Aug 73

PHARMACODYNAMICS

Fertility inducing agents: introduction. Ballin H, et al. *Semin Drug Treat* 3:157-8, Autumn 73

THERAPEUTIC USE

Letter: Anencephaly, ovulation stimulation, subfertility, and illegitimacy. *Lancet* 2:916-7, 20 Oct 73

FLUOXYMESTERONE

ADMINISTRATION & DOSAGE

Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73

ADVERSE EFFECTS

Clinical evaluation of 1,3-bis(2-chloroethyl)-nitrosourea (BCNU; NSC-409962) with fluoxymesterone (NSC-12165) in the treatment of solid tumors. Reyes ES, et al. *Cancer Chemother Rep* 57:225-30, Apr 73

BLOOD

Clinical evaluation of 1,3-bis(2-chloroethyl)-nitrosourea (BCNU; NSC-409962) with fluoxymesterone (NSC-12165) in the treatment of solid tumors. Reyes ES, et al. *Cancer Chemother Rep* 57:225-30, Apr 73

DIAGNOSTIC USE

[Thermogenic capacity of breast carcinomas. II. Variation during hormonal tests] Gautherie M, et al. *Biomedicine* 18:421-8, Sep 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Clinical evaluation of 1,3-bis(2-chloroethyl)-nitrosourea (BCNU; NSC-409962) with fluoxymesterone (NSC-12165) in the treatment of solid tumors. Reyes ES, et al. *Cancer Chemother Rep* 57:225-30, Apr 73
Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73

GONANES

CHEMICAL SYNTHESIS

Potentially carcinogenic cyclopenta(a)phenanthrenes. VI. 1,2,3,4-Tetrahydro-17-ketones. Coombs MM, et al. *J Chem Soc [Perkin I]* 12:1251-4, 1973
Potentially carcinogenic cyclopenta(a)phenanthrenes. VII. Ring-D diols and related compounds. Coombs MM, et al. *J Chem Soc [Perkin I]* 12:1255-8, 1973

HEXESTROL

METABOLISM

Studies on the uterine, cytoplasmic estrogen binding protein. Thermal stability and ligand dissociation rate. An assay of empty and filled sites by exchange. Katzenellenbogen JA, et al. *Biochemistry* 12:4092-9, 9 Oct 73
Photoaffinity labels for estrogen binding proteins of rat uterus. Katzenellenbogen JA, et al. *Biochemistry* 12:4085-92, 9 Oct 73

PHARMACODYNAMICS

[Artificial abortion in sheep for the purpose of obtaining karakul lambs] Rakhimberdiev AA, et al. *Veterinariia* 49:86-7, Feb 73 (Rus)

HYDROXYPREGNEOLONE

BIOSYNTHESIS

In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al. *J Endocrinol* 58:485-91, Sep 73

BLOOD

Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73

METABOLISM

Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:463-75, Sep 73
Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73

PHARMACODYNAMICS

Substrate-induced difference spectral, electron paramagnetic resonance, and enzymatic properties of cholesterol-depleted mitochondrial cytochrome P-450 of bovine adrenal cortex. Cheng SC, et al. *J Biol Chem* 248:7263-71, 25 Oct 73
Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73

HYDROXYPROGESTERONE

Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50. Bodley FH, et al. *Clin Chem* 19:1027-30, Sep 73

An efficient procedure for the determination of progesterone by radioimmunoassay applied to bovine peripheral plasma. Hoffmann B, et al.
Horm Res 4:302-10, 1973

ADVERSE EFFECTS

Effect on neonatal jaundice of oestrogens and progestogens taken before and after conception. McConnell JB, et al. *Br Med J* 3:605-7, 22 Sep 73

BIOSYNTHESIS

In vitro steroidogenesis in feline testes. O R, et al. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al. *J Endocrinol* 58:485-91, Sep 73
Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73
Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al. *Steroids* 22:337-50, Sep 73

BLOOD

Peripheral plasma levels of oestrogens, progesterone and 17alpha-hydroxyprogesterone during gestation in the rhesus monkey. Bosu WT, et al. *Acta Endocrinol (Kbh)* 74:348-60, Oct 73
Peripheral plasma levels of oestrogen and progesterone in pregnant rhesus monkeys treated with dexamethasone. Bosu WT, et al. *Acta Endocrinol (Kbh)* 74:338-47, Oct 73
The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia. Pham-Huu-Trung MT, et al. *Acta Endocrinol (Kbh)* 74:316-30, Oct 73
Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al. *Am J Obstet Gynecol* 117:631-42, 1 Nov 73
The effects of prostaglandin F2 alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73
Morphological changes in the corpus luteum correlated with progestin levels in the rhesus monkey during early pregnancy. Koering MJ, et al. *Biol Reprod* 9:254-71, Oct 73
The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73
Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. Bettendorf G, et al. *Endocrinol Exp (Bratisl)* 7:215-20, Sep 73
Ovarian steroid patterns in peripheral plasma during the menstrual cycle in the rhesus monkey. Bosu WT, et al. *Folia Primatol (Basel)* 19:218-34, 1973
The description and evaluation of a competitive protein-binding radioassay of 17alpha-hydroxyprogesterone in human plasma. Luisi M, et al. *Horm Res* 4:74-83, 1973
Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73
Radioimmunoassay of plasma 20 alpha-dihydroprogesterone. Florensa E, et al. *Steroids* 22:451-65, Oct 73

METABOLISM

In vitro steroidogenesis in feline testes. O R, et al. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
Metabolism of (4-14C) 17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:463-75, Sep 73
Formation of conjugated metabolites after injection of (4-14C) 17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73
Metabolism of (4-14C) 17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:463-75, Sep 73
Steroid metabolism by the seminiferous tubules in

vitro and spermatogenesis in the developing rat. Tsang WN, et al. *J Reprod Fertil* 34:513-7, Sep 73
Leydig cell differentiation, steroid metabolism by the interstitium in vitro and the growth of the accessory sex organs in the rat. Tsang WN, et al. *J Reprod Fertil* 34:351-5, Aug 73
[Influence of thyroidectomy on 11 beta and 21-hydroxylation mechanisms in adrenal cortex of the rat] Bouhnik J, et al. *Biochimie* 55:323-8, 1973 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Effect of progesterone on RNA and protein synthesis in the rat uterus. Trams G, et al. *Acta Endocrinol (Kbh)* 73:740-50, Aug 73
Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73
Regulation of scent marking in the female Mongolian gerbil *Meriones unguiculatus*. Owen K, et al. *Physiol Behav* 11:441-5, Oct 73
Glucocorticoid properties of progestogens. Briggs MH, et al. *Steroids* 22:555-9, Oct 73

SECRETION

Androgen production by testes of *Gallus domesticus* during postembryonic development. Galli FE, et al. *Gen Comp Endocrinol* 21:262-6, Oct 73

THERAPEUTIC USE

Effect on neonatal jaundice of oestrogens and progestogens taken before and after conception. McConnell JB, et al. *Br Med J* 3:605-7, 22 Sep 73
[Progesterone drugs and adenoma of the prostate. Considerations on a 4-year trial] Steckelmacher P. *Acta Urol Belg* 41:462-4, Jul 73 (Eng. Abstr.) (Fre)

LYNESTRENOL

[Clinical study of a new oral contraceptive: ovostat] Callaerts J, et al. *Brux Med* 53:409-18, Jul 73 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Clinical evaluation of a normophasic oral contraceptive. Notelovitz M. *S Afr Med J* 47:1943-7, 20 Oct 73

ADVERSE EFFECTS

Clinical evaluation of a normophasic oral contraceptive. Notelovitz M. *S Afr Med J* 47:1943-7, 20 Oct 73

PHARMACODYNAMICS

Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Meglioli G, et al. *Horm Res* 4:288-92, 1973
Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Meglioli G, et al. *Horm Res* 4:97-106, 1973
Liver function during short-term administration of oral contraceptives in premenopausal women. Jain M, et al. *Indian J Med Res* 61:570-1, Apr 73
Clinical evaluation of a normophasic oral contraceptive. Notelovitz M. *S Afr Med J* 47:1943-7, 20 Oct 73

THERAPEUTIC USE

[The effect of nonsteroid treatment on the histologic structure of mastopathic breast tissue (author's transl)] Márton Z, et al. *Arch Geschwulstforsch* 41:359-62, 1973 (Ger)

MEDROXYPROGESTERONE

Experimental aspects of renal tumors. Grabstald H. *J Surg Oncol* 5:509-16, May 73

ADMINISTRATION & DOSAGE

Route of progestagen administration to the ewe and spermicidal action in the vagina at the ensuing estrus. Hawk HW, et al. *J Anim Sci* 37:957-61, Oct 73
Uterine contractions in the ewe during progestagen-regulated oestrus. Hawk HW, et al. *J Reprod Fertil* 34:347-9, Aug 73
Effect of progesteroids on the cellular response to

GONADS

MESTRANOL

inflammation in the monkey. Kung TT, et al. *J Reticuloendothel Soc* 14:59-67, Jul 73
 A field study of Depo-Provera: its use as a contraceptive method by women in a rural town in West Malaysia from February 1968 to December 1969. Hew Wal Sin, et al. *Med J Malaysia* 27:299-305, Jun 73
 Use of an anti-estrogen after a reduction mammoplasty to prevent recurrence of vaginal hypertrophy of breasts. Case report. Sperling RL, et al. *Plast Reconstr Surg* 52:439-42, Oct 73
 [Substitution therapy with equine sulfate in menopausal women] Ravid R, et al. *Harefuah* 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

ADVERSE EFFECTS

Female sterilization by electrocoagulation of tubal ostia using hysterectomy. Richart RM, et al. *Am J Obstet Gynecol* 117:801-4, 15 Nov 73

DIAGNOSTIC USE

Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73

METABOLISM

Stimulation of 16alpha-hydroxylation of dehydroisoandrosterone sulfate by diethylstilbestrol. Gurpide E, et al. *J Clin Endocrinol Metab* 37:867-72, Dec 73

PHARMACODYNAMICS

Scanning electron microscopic study of the human fallopian tube report. IV. At term gestation and in the puerperium. The effect of a synthetic progestin on the postmenopausal tube. Patek E, et al. *Fertil Steril* 24:832-43, Nov 73
 Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Megloli G, et al. *Horm Res* 4:288-92, 1973
 Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al. *Horm Res* 4:97-106, 1973
 Maintenance of pregnancy in prepubertal gilts. Ellicott AR, et al. *J Anim Sci* 37:971-3, Oct 73
 Route of progestagen administration to the ewe and spermicidal action in the vagina at the ensuing estrus. Hawk HW, et al. *J Anim Sci* 37:957-61, Oct 73
 Influence of medroxyprogesterone acetate on testosterone metabolism by cultured human fibroblasts: a model for drug-steroid interaction. Saenger P, et al. *J Clin Endocrinol Metab* 37:760-4, Nov 73
 Positive feedback effect of progestin upon serum gonadotropins in estrogen-primed castrate men. Stearns EL, et al. *J Clin Endocrinol Metab* 37:635-8, Oct 73
 Egg implantation and decidual induction in cyclic mice after treatment with progestagens and oestradiol. Grant PS, et al. *J Reprod Fertil* 34:415-21, Sep 73
 Uterine contractions in the ewe during progestagen-regulated oestrus. Hawk HW, et al. *J Reprod Fertil* 34:347-9, Aug 73
 Effect of progestoids on the cellular response to inflammation in the monkey. Kung TT, et al. *J Reticuloendothel Soc* 14:59-67, Jul 73
 Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73
 Glucocorticoid properties of progestogens. Briggs MH, et al. *Steroids* 22:555-9, Oct 73
 [Effect of medroxyprogesterone on plasma somatotropin (GH) levels in 14 patients with acromegaly] Tourniaire J, et al. *Ann Endocrinol (Paris)* 34:222-4, Mar-Apr 73 (Fre)

THERAPEUTIC USE

Stimulation of 16alpha-hydroxylation of dehydroisoandrosterone sulfate by diethylstilbestrol. Gurpide E, et al. *J Clin Endocrinol Metab* 37:867-72, Dec 73
 Use of an anti-estrogen after a reduction mammoplasty to prevent recurrence of vaginal hypertrophy of breasts. Case report. Sperling RL, et al. *Plast Reconstr Surg* 52:439-42, Oct 73
 [Experience with the treatment of acromegaly using

medroxyprogesterone acetate] Linquette M, et al. *Ann Endocrinol (Paris)* 34:220-1, Mar-Apr 73 (Fre)
 [Evolution of plasma somatotropin levels in acromegaly treated with medroxyprogesterone acetate] Strauch G, et al. *Ann Endocrinol (Paris)* 34:228-31, Mar-Apr 73 (Fre)
 [Treatment of the carcinoma of the prostate with gestagens (author's transl)] Popeller G. *Urologe [A]* 12:134-9, May 73 (Eng. Abstr.) (Ger)
 [Substitution therapy with equine sulfate in menopausal women] Ravid R, et al. *Harefuah* 85:218-9, 2 Sep 73 (Eng. Abstr.) (Heb)

MEGESTROL

ADMINISTRATION & DOSAGE

Mammary nodules in dogs during four years' treatment with megestrol acetate or chlormadinone acetate. Nelson LW, et al. *J Natl Cancer Inst* 51:1303-11, Oct 73

ANALYSIS

[Fluorescence spectroscopic determination of anti-ovulatory steroids in water and waste water on thin layer chromatography plate] Kirchner M, et al. *Zentralbl Bakteriol [Orig B]* 157:44-52, Apr 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Effects of some contraceptive steroids on serum proteins of women. Briggs M, et al. *Biochem Pharmacol* 22:2277-81, 15 Sep 73
 Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73
 Glucocorticoid properties of progestogens. Briggs MH, et al. *Steroids* 22:555-9, Oct 73

THERAPEUTIC USE

[Treatment of the carcinoma of the prostate with gestagens (author's transl)] Popeller G. *Urologe [A]* 12:134-9, May 73 (Eng. Abstr.) (Ger)

TOXICITY

Mammary nodules in dogs during four years' treatment with megestrol acetate or chlormadinone acetate. Nelson LW, et al. *J Natl Cancer Inst* 51:1303-11, Oct 73

MESTRANOL

Radioimmunoassay of contraceptive steroids. I. Synthesis of 6-oxomestranol 6-(O-carboxymethyl) oxime. Kundu N. *Steroids* 22:327-36, Sep 73

ADMINISTRATION & DOSAGE

Enovid therapy (norethynodrel with mestranol) for fibrocystic disease. Ariel IM. *Am J Obstet Gynecol* 117:453-9, 15 Oct 73
 Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Aitken JM, et al. *Br Med J* 3:515-8, 8 Sep 73
 Clinical evaluation of a normophasic oral contraceptive. Nodelovitz M. *S Afr Med J* 47:1943-7, 20 Oct 73

ADVERSE EFFECTS

Enovid therapy (norethynodrel with mestranol) for fibrocystic disease. Ariel IM. *Am J Obstet Gynecol* 117:453-9, 15 Oct 73
 Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Aitken JM, et al. *Br Med J* 3:515-8, 8 Sep 73
 Success of randomization in a controlled contraceptive experiment. Fuertes-de la Haba A, et al. *J Reprod Med* 11:142-8, Oct 73
 Possible association between benign hepatomas and oral contraceptives. Baum JK, et al. *Lancet* 2:926-9, 27 Oct 73
 Clinical evaluation of a normophasic oral contraceptive. Nodelovitz M. *S Afr Med J* 47:1943-7, 20 Oct 73
 [Galactorrhea induced by oral contraceptives] Sas M, et al. *Orv Hetil* 114:2845-6, 25 Nov 73 (Hun)

PHARMACODYNAMICS

Effects of some contraceptive steroids on serum

MESTRANOL

- proteins of women. Briggs M, et al.
Biochem Pharmacol 22:2277-81, 15 Sep 73
 Methylation of purified transfer RNAs by liver extracts from normal and mestranol-treated rats. Pegg AE.
Biochim Biophys Acta 319:354-63, 7 Sep 73
 Liver function during short-term administration of oral contraceptives in premenopausal women. Jain M, et al.
Indian J Med Res 61:570-1, Apr 73
 Estrogen potentiation of phenothiazine-induced prolactin secretion in man. Buckman MT, et al.
J Clin Endocrinol Metab 37:977-80, Dec 73
 Clinical evaluation of a normoplastic oral contraceptive. Notelovitz M. *S Afr Med J* 47:1943-7, 20 Oct 73
 Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Fregly MJ. *Toxicol Appl Pharmacol* 25:560-8, Aug 73
 [The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al.
Arch Gynaekol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Enovid therapy (norethynodrel with mestranol) for fibrocystic disease. Ariel IM.
Am J Obstet Gynecol 117:453-9, 15 Oct 73
 Periodic fever and menses. Golden RL, et al.
Am J Obstet Gynecol 117:855-6, 15 Nov 73
 Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Altken JM, et al.
Br Med J 3:515-8, 8 Sep 73

METHANDROSTENOLONE

THERAPEUTIC USE

- Hematological effect of corticosteroids and anabolic steroids on aplastic anemia patients. Yamagishi M, et al.
Acta Haematol Jap 36:9-24, Feb 73
 [Use of nerobol in the complex treatment of chronic enterocolitis] Ekslenina NI, et al.
Sov Med 35:68-72, Nov 72 (Eng. Abstr.) (Rus)

METHENOLONE

THERAPEUTIC USE

- Hematological effect of corticosteroids and anabolic steroids on aplastic anemia patients. Yamagishi M, et al.
Acta Haematol Jap 36:9-24, Feb 73

METHYLTESTOSTERONE

ADMINISTRATION & DOSAGE

- Calusterone for breast cancer.
Med Lett Drugs Ther 15:95, 9 Nov 73

ADVERSE EFFECTS

- Calusterone for breast cancer.
Med Lett Drugs Ther 15:95, 9 Nov 73
 Calusterone (7beta,17alpha-dimethyltestosterone) as primary and secondary therapy of advanced breast cancer. Gordan GS, et al. *Oncology* 28:138-46, 1973

PHARMACODYNAMICS

- The effects of gonadotropin preparations and steroid hormones on the ovaries of intact and gonadotropin-deprived guinea pigs, *Hypseleotris galli*. Mackay NJ. *Gen Comp Endocrinol* 21:278-86, Oct 73
 Biodynamic studies of hamster flank organ growth: hormonal influences. Frost P, et al.
J Invest Dermatol 61:159-67, Sep 73
 Calusterone for breast cancer.
Med Lett Drugs Ther 15:95, 9 Nov 73
 Studies on sex differentiation in mammals. Jost A, et al.
Recent Prog Horm Res 29:1-41, 1973 (65 ref.)
 The effects of dibutyl cyclic AMP on the hepatic mixed function oxidase system in hormonally altered rats. Ross WE, et al.
Res Commun Chem Pathol Pharmacol 6:541-9, Sep 73

THERAPEUTIC USE

- Hereditary angio-neurotic oedema. Genealogical and

GONADS

- immunological studies. Ohela K, et al.
Ann Clin Res 5:174-80, Jun 73
 Acquired pure red-cell aplasia in adults. Teoh PC, et al.
Med J Aust 2:373-6, 25 Aug 73
 Calusterone for breast cancer.
Med Lett Drugs Ther 15:95, 9 Nov 73
 Calusterone (7beta,17alpha-dimethyltestosterone) as primary and secondary therapy of advanced breast cancer. Gordan GS, et al. *Oncology* 28:138-46, 1973

NANDROLONE

METABOLISM

- Evaluation of the specific activity of biochemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. Morfin RF, et al. *J Steroid Biochem* 4:381-91, Jul 73

PHARMACODYNAMICS

- Hormonal properties of 19-nortestosterone-bomofarnesate (DA 1979), a new anabolic agent. Coppi G, et al.
Arzneim Forsch 23:907-11, Jul 73
 Effect of autologous bone marrow transplantation and an anabolic steroid on erythropoietin production and hemopoietic recovery after whole body irradiation and treatment with alkylating agents. Ambrus JL, et al. *J Med (Basel)* 4:85-81, 1973

THERAPEUTIC USE

- Hematological effect of corticosteroids and anabolic steroids on aplastic anemia patients. Yamagishi M, et al. *Acta Haematol Jap* 36:9-24, Feb 73
 [A controlled clinical trial for hormonal and combined cyclophosphamide-hormonal treatment of incurable breast cancer (author's transl)] Wolff G, et al. *Arch Geschwulstforsch* 41:363-72, 1973 (Eng. Abstr.) (Ger)
 [Anadur--a 19-nortestosterone for the treatment of arteriosclerotic ulcus cruris] Haeger K.
Munch Med Wochenschr 115:1368-71, 3 Aug 73 (Eng. Abstr.) (Ger)

NORETHANDROLONE

PHARMACODYNAMICS

- [Effect of norethandrolone and human growth hormone on blood unesterified fatty acid and blood sugar in the normal and fasting child] Elsalr J, et al. *Biomedicine* 18:408-14, Sep 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

- [Viral hepatitis and medullary aplasia. Apropos of a case] Blanchon P, et al.
Ann Med Interne (Paris) 124:521-34, Jun-Jul 73 (Fre)

NORETHINDRONE

- Laparoscopic removal of an intrauterine contraceptive device in an oral contraceptive user. Holt R.
South Med J 66:1050, Sep 73

ADMINISTRATION & DOSAGE

- Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants; effects of oxytocin. Bruce JD, et al.
Acta Endocrinol (Kbh) 73:713-20, Aug 73
 Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al.
J Anim Sci 37:523-7, Aug 73
 The use of norethisterone to suppress menstruation in the intellectually severely retarded woman.
 Roxburgh DR, et al. *Med J Aust* 2:310-3, 18 Aug 73
 [Letter: Hormonal suppression of menstruation before surgery] Staemmler HJ.
Med Klin 68:1240, 21 Sep 73 (Ger)

ADVERSE EFFECTS

- The use of norethisterone to suppress menstruation in the intellectually severely retarded woman.
 Roxburgh DR, et al. *Med J Aust* 2:310-3, 18 Aug 73

BIOSYNTHESIS

[Microbial hydrogenation of the aromatic moiety of 17 alpha etbinyl estradiol] Schubert K, et al.
J Steroid Biochem 4:283-8, May 73 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

[Thermogenic capacity of breast carcinomas. II. Variation during hormonal tests] Gautherie M, et al.
Biomedicine 18:421-8, Sep 73 (Eng. Abstr.) (Fre)

METABOLISM

Absorption of chlormadinone acetate and norethindrone from in situ rat gut. Pelzmann KS.
J Pharm Sci 62:1609-14, Oct 73

PHARMACODYNAMICS

Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants; effects of oxytocin. Bruce JD, et al.
Acta Endocrinol (Kbh) 73:713-20, Aug 73

Contraceptive treatment with low doses of gestagen in cases with medical history of hepatosis of pregnancy. Ylöstalo P, et al.
Acta Obstet Gynecol Scand 52:221-8, 1973

Effects of some contraceptive steroids on serum proteins of women. Briggs M, et al.
Biochem Pharmacol 22:2277-81, 15 Sep 73

Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Megloli G, et al. *Horm Res* 4:288-92, 1973

Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al. *Horm Res* 4:97-106, 1973

Limited injections of follicle stimulating hormone for multiple births in beef cattle. Smith LE Jr, et al.
J Anim Sci 37:523-7, Aug 73

Estrogen potentiation of phenothiazine-induced prolactin secretion in man. Buckman MT, et al.
J Clin Endocrinol Metab 37:977-80, Dec 73

The use of norethisterone to suppress menstruation in the intellectually severely retarded woman. Roxburgh DR, et al. *Med J Aust* 2:310-3, 18 Aug 73

Effects of contraceptive pill constituents on foetal mouse hearts. Hassan MM, et al.
Nature 244:349-51, 10 Aug 73

Antifertility agents: introduction and history. Ballin H, et al. *Semin Drug Treat* 3:117-9, Autumn 73

Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73

[Action of synthetic progestational drugs on plasma lipids] Jover Sanz E, et al.
Rev Clin Esp 130:269-74, 15 Aug 73 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

[A controlled clinical trial for hormonal and combined cyclophosphamide-hormonal treatment of incurable breast cancer (author's transl)] Wolff G, et al.
Arch Geschwulstforsch 41:363-72, 1973 (Eng. Abstr.) (Ger)

NORETHYNODREL

ADMINISTRATION & DOSAGE

Enovid therapy (norethynodrel with mestranol) for fibrocystic disease. Ariel IM.
Am J Obstet Gynecol 117:453-9, 15 Oct 73

ADVERSE EFFECTS

Enovid therapy (norethynodrel with mestranol) for fibrocystic disease. Ariel IM.
Am J Obstet Gynecol 117:453-9, 15 Oct 73

Success of randomization in a controlled contraceptive experiment. Fuertes-de la Haba A, et al.
J Reprod Med 11:142-8, Oct 73

Possible association between benign hepatomas and oral contraceptives. Baum JK, et al.
Lancet 2:926-9, 27 Oct 73

Diagnosis of superior sagittal sinus thrombosis by dynamic and sequential brain scanning. Report of one case. Go RT, et al.
Neurology (Minneapolis) 23:1199-204, Nov 73

[Galactorrhea induced by oral contraceptives] Sas M, et al. *Orv Hetil* 114:2845-6, 25 Nov 73 (Hun)

PHARMACODYNAMICS

Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Megloli G, et al. *Horm Res* 4:288-92, 1973

Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al. *Horm Res* 4:97-106, 1973

Increased susceptibility of *Cryptococcus neoformans* to amphotericin B in the presence of steroids. Mohr JA, et al. *Sabouraudia* 11:140-2, Jul 73

Antifertility agents: introduction and history. Ballin H, et al. *Semin Drug Treat* 3:117-9, Autumn 73

Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Fregly MJ. *Toxicol Appl Pharmacol* 25:560-8, Aug 73

THERAPEUTIC USE

Enovid therapy (norethynodrel with mestranol) for fibrocystic disease. Ariel IM.
Am J Obstet Gynecol 117:453-9, 15 Oct 73

Periodic fever and menses. Golden RL, et al.
Am J Obstet Gynecol 117:855-6, 15 Nov 73

NORGESTREL

ADVERSE EFFECTS

Possible association between benign hepatomas and oral contraceptives. Baum JK, et al.
Lancet 2:926-9, 27 Oct 73

PHARMACODYNAMICS

Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Megloli G, et al. *Horm Res* 4:288-92, 1973

Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al. *Horm Res* 4:97-106, 1973

Concentrations of oestrogens and progesterone in the plasma of ovariectomized and ovariectomized Norgestrel-treated pregnant guinea-pigs. Illingworth DV, et al. *J Reprod Fertil* 34:289-96, Aug 73

Effects of contraceptive pill constituents on foetal mouse hearts. Hassan MM, et al.
Nature 244:349-51, 10 Aug 73

Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73

[Action of synthetic progestational drugs on plasma lipids] Jover Sanz E, et al.
Rev Clin Esp 130:269-74, 15 Aug 73 (Eng. Abstr.) (Spa)

NORMETHANDROLONE

PHARMACODYNAMICS

Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73

The influence of 17 alpha-methyl-B-nortestosterone (SK & F 7690) on the fertilizing ability of spermatozoa in hamsters. Lubicz-Nawrocki CM, et al.
J Reprod Fertil 34:331-9, Aug 73

OXANDROLONE

ADMINISTRATION & DOSAGE

Oxandrolone and human growth hormone. Comparison of growth-stimulating effects in short children. Raiti S, et al. *Am J Dis Child* 126:597-600, Nov 73

THERAPEUTIC USE

Oxandrolone and human growth hormone. Comparison of growth-stimulating effects in short children. Raiti S, et al. *Am J Dis Child* 126:597-600, Nov 73

OXYMETHOLONE

ADVERSE EFFECTS

Comparison of growth acceleration of pituitary dwarfs treated with anabolic steroid and thyroid hormone with normal growth spurt. Harada Y, et al.
Acta Endocrinol (Kbh) 74:237-49, Oct 73

Oxymetholone treatment in hypoproliferative

- anaemia. I. Frequency of response. Skärberg KO, et al. *Acta Haematol (Basel)* 49:321-30, 1973
 Trial of an anabolic steroid (oxymetholone) in atherosclerosis with hyperlipoproteinaemia. Barton GM, et al. *Atherosclerosis* 18:505-7, Nov-Dec 73

PHARMACODYNAMICS

- Trial of an anabolic steroid (oxymetholone) in atherosclerosis with hyperlipoproteinaemia. Barton GM, et al. *Atherosclerosis* 18:505-7, Nov-Dec 73
 Bone growth in nonambulatory children on oxymetholone and fluoride therapies. Vose GP, et al. *Growth* 37:213-21, Sep 73

THERAPEUTIC USE

- Comparison of growth acceleration of pituitary dwarfs treated with anabolic steroid and thyroid hormone with normal growth spurt. Harada Y, et al. *Acta Endocrinol (Kbh)* 74:237-49, Oct 73
 Oxymetholone treatment in hypoproliferative anaemia. I. Frequency of response. Skärberg KO, et al. *Acta Haematol (Basel)* 49:321-30, 1973
 Hematological effect of corticosteroids and anabolic steroids on aplastic anemia patients. Yamagishi M, et al. *Acta Haematol Jap* 36:9-24, Feb 73
 Trial of an anabolic steroid (oxymetholone) in atherosclerosis with hyperlipoproteinaemia. Barton GM, et al. *Atherosclerosis* 18:505-7, Nov-Dec 73
 Bone growth in nonambulatory children on oxymetholone and fluoride therapies. Vose GP, et al. *Growth* 37:213-21, Sep 73

PREGNANEDIOL

ANALYSIS

- Luteal phase defects: recognition and management. Reyniak JV. *Bull NY Acad Med* 49:974-84, Nov 73

BIOSYNTHESIS

- Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73

METABOLISM

- On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA. *Biochim Biophys Acta* 322:68-74, 21 Sep 73
 17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. Danowski TS, et al. *Horm Res* 4:34-42, 1973
 Uptake and metabolism of (1,2-3H)progesterone injected intraluminally into the uteri of spayed mice. Clark BF. *J Endocrinol* 58:555-62, Sep 73

PHARMACODYNAMICS

- Effect of progesterone on RNA and protein synthesis in the rat uterus. Trams G, et al. *Acta Endocrinol (Kbh)* 73:740-50, Aug 73

URINE

- "Triggering" of ovulation after infusion of synthetic luteinizing hormone releasing factor (LRF). Nakano R, et al. *Acta Obstet Gynecol Scand* 52:269-72, 1973
 Postovulatory endometrial development in women with I.U.D. Nicolaisen HH, et al. *Acta Obstet Gynecol Scand* 52:253-8, 1973
 Primary erythrocytosis and pregnancy. Baxandall JD. *J Obstet Gynaecol Br Commonw* 80:996-8, Nov 73
 Renal excretion of water and solutes during the normal menstrual cycle. Parboosingh J, et al. *J Obstet Gynaecol Br Commonw* 80:978-83, Nov 73
 Ovarian tumours in postmenopausal women. Clinicopathological features and hormonal studies. Rome RM, et al. *J Obstet Gynaecol Br Commonw* 80:984-91, Nov 73
 A study on the monitoring of gonadotrophin therapy by the assay of plasma oestradiol and progesterone. Shaaban MM, et al. *J Obstet Gynaecol Br Commonw* 80:783-93, Sep 73
 A modified method for the estimation of pregnanediol, pregnanetriol and seven common 17-ketosteroids in urine by gas-liquid chromatography. Qazi QH, et al. *Steroids* 22:311-25, Sep 73

- [Urinary content of 3-alpha, 20-alpha pregnanediol in pregnant women] Ludański T, et al. *PoI Tyg Lek* 28:1223-5, 6 Aug 73 (Eng. Abstr.) (Pol)

PREGNANES

- Bibliography of paper and thin-layer chromatography 1966-1969. Steroids. *J Chromatogr* 246-85, 1972
 Bridged D-ring steroid analogs. XII. Effect of D-ring substituents on chemical shift of angular methyl protons. Solo AJ, et al. *J Pharm Sci* 62:1471-5, Sep 73
 Advances in anaesthesia. Hunter AR. *Practitioner* 211:476-82, Oct 73 (37 ref.)

ADVERSE EFFECTS

- Azathioprine therapy in polymyositis. Benson MD, et al. *Arch Intern Med* 132:447-51, Oct 73
 [Circulatory studies on CT 1341, a steroid anaesthetic, in patients with congenital and acquired heart diseases (author's transl)] Hempelmann G, et al. *Anaesthesist* 22:345-52, Aug 73 (Eng. Abstr.) (Ger)

ANALYSIS

- Computer evaluation of gas chromatographic-mass spectrometric analyses of steroids from biological materials. Reimendal R, et al. *Anal Chem* 46:1083-9, Jun 73
 Chemical ionization mass spectrometry of complex molecules. XI. Stereochemical and conformational effects in the isobutane chemical ionization mass spectra of some steroidal amino alcohols. Longevialle P, et al. *J Am Chem Soc* 95:6666-9, 3 Oct 73
 Isolation and characterization of cortisol metabolites from liver of adrenalectomized rats. Tsong YY, et al. *J Steroid Biochem* 4:239-48, May 73

BIOSYNTHESIS

- Isolation and characterization of cortisol metabolites from liver of adrenalectomized rats. Tsong YY, et al. *J Steroid Biochem* 4:239-48, May 73
 Breakdown of germinal vesicle of frog oocytes with 5alpha-reduced products of progesterone in vitro. Sanyal MK, et al. *Proc Soc Exp Biol Med* 144:483-6, Nov 73

METABOLISM

- Uptake and metabolism of (1,2-3H)progesterone injected intraluminally into the uteri of spayed mice. Clark BF. *J Endocrinol* 58:555-62, Sep 73
 Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human fetus at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:477-84, Sep 73
 Corticosterone metabolism by rat adrenocortical cell suspensions and monolayer cultures: the effect of damage on 11-dehydrogenase activity. O'Hare MJ. *J Endocrinol* 59:141-50, Oct 73
 Conversion of (4-14C)5 alpha-pregnane-3, 20-dione to 5 alpha-C19-steroids by the prepubertal rat testis. Richards G, et al. *J Endocrinol* 59:185-6, Oct 73
 Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. Tsang WN, et al. *J Reprod Fertil* 34:513-7, Sep 73
 Isolation of 20 alpha and 20 beta 5 beta-pregnane-3 alpha,17 alpha,20,21-tetrol (hexahydro-Reichstein's compound-S) in a case of congenital adrenal hyperplasia. Halperin G, et al. *Steroids* 22:581-8, Oct 73

PHARMACODYNAMICS

- Binding of progesterone by rat uterus in vitro. Saffran J, et al. *Biochem Biophys Res Commun* 53:202-9, 2 Jul 73
 Influence of gestational steroids on hypothalamic tyrosine hydroxylase activity in vitro. Beattie CW, et al. *Endocrinology* 93:1453-5, Dec 73
 The time course of the cerebral circulatory response to metabolic depression. Coroneos NJ, et al. *J Physiol (Lond)* 232:30P-31P, Jul 73
 Reproduction in rabbits given Althesin. Gilbert HG, et al. *J Reprod Fertil* 34:519-22, Sep 73
 Breakdown of germinal vesicle of frog oocytes with 5alpha-reduced products of progesterone in vitro. Sanyal MK, et al. *Proc Soc Exp Biol Med* 144:483-6, Nov 73
 Increased susceptibility of *Cryptococcus neoformans*

to amphotericin B in the presence of steroids. Mohr JA, et al. *Sabouraudia* 11:140-2, Jul 73
 [Circulatory studies on CT 1341, a steroid anaesthetic, in patients with congenital and acquired heart diseases (author's transl)] Hempelmann G, et al. *Anaesthesist* 22:345-52, Aug 73 (Eng. Abstr.) (Ger)

RADIATION EFFECTS

[Photochemical reactions. 72. Photofragmentation of 14-beta-hydroxy-20-oxo-delta(16)-steroids] Marti F, et al. *Helv Chim Acta* 56:1078-83, 1973 (Ger)

THERAPEUTIC USE

Azathioprine therapy in polymyositis. Benson MD, et al. *Arch Intern Med* 132:447-51, Oct 73

URINE

Isolation and identification of four new carboxylic acid metabolites of cortisol in man. Bradlow HL, et al. *J Clin Endocrinol Metab* 37:811-8, Nov 73

PREGNENES

ANALYSIS

17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schneider JJ. *J Chem Soc [Perkin I]* 13:1361-5, 1973

BIOSYNTHESIS

The biosynthesis of 23,24-dinor-5-cholesterol-3beta,20-diol and 23,24-dinor-5-cholesterol-3beta,21-diol. Tait AD. *Steroids* 22:239-45, Aug 73
 11-dehydrocorticosterone (compd. A) formation by the *Microtus* adrenal. Ungar F, et al. *Steroids* 22:503-14, Oct 73

CHEMICAL SYNTHESIS

17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schneider JJ. *J Chem Soc [Perkin I]* 13:1361-5, 1973

CLASSIFICATION

17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schneider JJ. *J Chem Soc [Perkin I]* 13:1361-5, 1973

PREGNENOLONE

Factors affecting the adrenocorticotrophic hormone stimulation of rabbit adrenal 17alpha-hydroxylase activity. Fevold HR, et al. *Biochim Biophys Acta* 313:211-20, 20 Jun 73
 Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. *Biochim Biophys Acta* 318:225-34, 22 Aug 73

ANALYSIS

Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50. Bodley FH, et al. *Clin Chem* 19:1027-30, Sep 73
 Lack of squalene and lanosterol synthesis by the perfused human placenta at term. Leusden HA van, et al. *J Steroid Biochem* 4:349-54, Jul 73

BIOSYNTHESIS

Adrenal mitochondrial cytochrome P-450 and cholesterol side chain cleavage activity. Differences in the response of the zona glomerulosa and zona fasciculata-reticularis to adrenocorticotrophic hormone and its withdrawal. Alfano J, et al. *J Biol Chem* 248:7860-4, 25 Nov 73
 Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al. *Steroids* 22:337-50, Sep 73

BLOOD

Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73

METABOLISM

On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA. *Biochim Biophys Acta* 322:68-74, 21 Sep 73
 In vitro steroidogenesis in feline testes. O R, et al. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
 Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
 In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
 Steroid biosynthesis by phalarope (*Steganopus tricolor* and *Lobipes lobatus*) adrenal tissue. Fevold HR, et al. *Gen Comp Endocrinol* 21:353-7, Oct 73
 Androgen production by testes of *Gallus domesticus* during postembryonic development. Galli FE, et al. *Gen Comp Endocrinol* 21:262-6, Oct 73
 The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73
 Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al. *J Endocrinol* 58:485-91, Sep 73
 Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al. *J Endocrinol* 59:7-16, Oct 73
 Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73
 Steroid hormone production by pig blastocysts. Perry JS, et al. *Nature* 245:45-7, 7 Sep 73
 Aldosterone biosynthesis from 4-14C-pregnenolone and 4-14C-progesterone, in the rat and rabbit. Slaga TJ, et al. *Proc Soc Exp Biol Med* 143:1201-6, Sep 73
 11-dehydrocorticosterone (compd. A) formation by the *Microtus* adrenal. Ungar F, et al. *Steroids* 22:503-14, Oct 73
 [Inhibition in vitro of steroid 17-alpha hydroxylase from adrenal cortex of beef] Krémers P. *Arch Int Physiol Biochim* 81:379, May 73 (Fre)
 [Measure of 17-alpha hydroxylase of the intermediate substrate labeled with carbon 14C] Krémers P. *Arch Int Physiol Biochim* 81:376-7, May 73 (Fre)
 [Biochemical study of adrenal cortex 17-alpha-hydroxylase] Krémers P. *Arch Int Physiol Biochim* 81:377-8, May 73 (Fre)

PHARMACODYNAMICS

Adverse effects of cadmium on brook trout testis and on in vitro testicular androgen synthesis. Sangalang GB, et al. *Biol Reprod* 9:394-403, Nov 73
 Substrate-induced difference spectral, electron paramagnetic resonance, and enzymatic properties of cholesterol-depleted mitochondrial cytochrome P-450 of bovine adrenal cortex. Cheng SC, et al. *J Biol Chem* 248:7263-71, 25 Oct 73
 Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73

TOXICITY

Actinomycin D stimulation of HCG production by human choriocarcinoma. Hussa RO, et al. *Obstet Gynecol* 42:651-7, Nov 73

PROGESTATIONAL HORMONES

Intimal vascular lesions associated with female reproductive steroids. Irey NS, et al. *Arch Pathol* 96:227-34, Oct 73
 Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. *Biochim Biophys Acta* 318:225-34, 22 Aug 73

ADMINISTRATION & DOSAGE

Luteal phase defects: recognition and management. Reyniak JV. *Bull NY Acad Med* 49:974-84, Nov 73
 Route of progestagen administration to the ewe and spermicidal action in the vagina at the ensuing estrus. Hawk HW, et al. *J Anim Sci* 37:957-61, Oct 73

- Advances in hormonal contraception. Swyer GI. Practitioner 211:535-40, Oct 73 (32 ref.)
- [Complications of therapy in gynecology (morphological studies of the effects of female sex hormones and like substances) (review) (author's transl)] Dallenbach-Hellweg G. Verh Dtsch Ges Kreislau fforsch 56:252-83, 1972 (Eng. Abstr.) (Ger)
- [Mammograms in women taking oral contraceptives (author's transl)] Brezina K, et al. Wien Klin Wochenschr 85:785-90, 30 Nov 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

- Intimal vascular lesions associated with female reproductive steroids. Irey NS, et al. Arch Pathol 96:227-34, Oct 73
- Effect on neonatal jaundice of oestrogens and progestogens taken before and after conception. McConnell JB, et al. Br Med J 3:605-7, 22 Sep 73
- Headaches related to contraceptive therapy and their control. Desrosiers JJ. Headache 13:117-24, Oct 73
- Selecting the optimum oral contraceptive. Nelson JH. J Reprod Med 11:135-41, Oct 73
- Letter: Guide to steroid contraception in general practice. Notelovitz M. S Afr Med J 47:2040, 3 Nov 73
- Clinical and epidemiologic aspects of oral contraceptive safety. Schrogie JJ. Semin Drug Treat 3:143-56, Autumn 73 (90 ref.)
- [Genital hemorrhage in early pregnancy] Staemmler HJ. Dtsch Med Wochenschr 98:1683, 7 Sep 73 (Ger)
- [Complications of therapy in gynecology (morphological studies of the effects of female sex hormones and like substances) (review) (author's transl)] Dallenbach-Hellweg G. Verh Dtsch Ges Kreislau fforsch 56:252-83, 1972 (Eng. Abstr.) (Ger)
- [Therapy damage in gynecology. (Clinical observations of the effects of female sexual hormones and of compounds with similar action) (report) (author's transl)] Oher KG. Verh Dtsch Ges Kreislau fforsch 56:283-91, 1972 (Eng. Abstr.) (Ger)
- [Mammograms in women taking oral contraceptives (author's transl)] Brezina K, et al. Wien Klin Wochenschr 85:785-90, 30 Nov 73 (Eng. Abstr.) (Ger)

BLOOD

- Ovarian steroid patterns in peripheral plasma during the menstrual cycle in the rhesus monkey. Bosu WT, et al. Folia Primatol (Basel) 19:218-34, 1973

METABOLISM

- [New etiopathogenetic and therapeutic studies in threatened abortion] Golsis M, et al. Minerva Ginecol 25:481-92, Aug 73 (Ita)

PHARMACODYNAMICS

- Binding of progesterone by rat uterus in vitro. Saffran J, et al. Biochem Biophys Res Commun 53:202-9, 2 Jul 73
- Influence of progestational steroids on hypothalamic tyrosine hydroxylase activity in vitro. Beattie CW, et al. Endocrinology 93:1453-5, Dec 73
- Effects of a progestin, quinestanol, in older diabetic women. Danowski TS, et al. Horm Res 4:84-96, 1973
- Modifications induced by progestogen treatment in the action of rat uterine secretion on corona cells in vitro. Megloli G, et al. Horm Res 4:288-92, 1973
- Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al. Horm Res 4:97-106, 1973
- Egg implantation and deciduoma induction in cyclic mice after treatment with progestagens and oestradiol. Grant PS, et al. J Reprod Fertil 34:415-21, Sep 73
- The fertility of helpers inseminated at predetermined intervals following treatment with MGA and HCG to control ovulation. Roche JF, et al. J Reprod Fertil 35:211-6, Nov 73
- Effect of progestoids on the cellular response to inflammation in the monkey. Kung TT, et al. J Reticuloendothel Soc 14:59-67, Jul 73
- Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. J Steroid Biochem 4:341-7, Jul 73

- Antifertility agents: introduction and history. Balin H, et al. Semin Drug Treat 3:117-9, Autumn 73
- Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. Steroids 22:547-53, Oct 73
- Glucocorticoid properties of progestogens. Briggs MH, et al. Steroids 22:555-9, Oct 73
- [Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J. Ann Biol Anim Biochim Biophys 12:397-409, 1972 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

- Therapeutic effects of melengestrol acetate, cyclophosphamide and palmitoyl cytarabine in established experimental allergic encephalomyelitis of rats. Elliott GA, et al. Arch Int Pharmacodyn Ther 204:62-76, Jul 73
- 6-Dehydro-6,17 alpha-dimethylprogesterone (NSC-123018) for the treatment of metastatic and recurrent ovarian carcinoma. Malkasian GD Jr, et al. Cancer Chemother Rep 57:241-2, Apr 73
- Advanced cancer: New concepts of medical therapy. Geriatrics 28:51-72, Nov 73
- [Treatment of metastasizing breast cancer in general practice] Brunner KW. Schweiz Med Wochenschr 103:1406-13, 13 Oct 73 (Eng. Abstr.) (Ger)
- [Treatment of prostatic, corpus uteri and kidney neoplasms (hypernephromas) in general practice] Ohrecht JP, et al. Schweiz Med Wochenschr 103:1414-21, 13 Oct 73 (Eng. Abstr.) (Ger)
- [Therapy of prostatic adenoma by gestagenic agents] Malatinský E. Bratisl Lek Listy 60:106-8, Jul 73 (Eng. Abstr.) (Slo)

URINE

- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H. Acta Obstet Gynecol Scand [Suppl] 1-78, 1973

PROGESTERONE

- The molecular structure of porphyrin complexes in solution: the interaction of metal porphyrins with various steroids. Hill HA, et al. Ann NY Acad Sci 206:247-67, 1973
- Factors affecting the adrenocorticotrophic hormone stimulation of rabbit adrenal 17alpha-hydroxylase activity. Fevold HR, et al. Biochim Biophys Acta 313:211-20, 20 Jun 73
- Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. Biochim Biophys Acta 318:225-34, 22 Aug 73
- Localization of 3-beta hydroxysteroid dehydrogenase in the inner membrane subfraction of rat testis mitochondria. Sulimovici S, et al. Biochim Biophys Acta 321:27-40, 15 Sep 1973
- A modified competitive protein-binding determination for cortisol. Cox RA, et al. J Clin Endocrinol Metab 37:870-3, Nov 73
- Solubility of cholesterol and hormone drugs in water. Madan DK, et al. J Pharm Sci 62:1567-9, Sep 73
- Experimental aspects of renal tumors. Grabstald H. J Surg Oncol 5:509-16, May 73
- Influence of the site of conjugation on the specificity of antihodies to progesterone. Niswender GD. Steroids 22:413-24, Sep 73

ADMINISTRATION & DOSAGE

- Impaired wound healing in progesterone-treated rabbits. Nyman S, et al. Acta Chir Scand 139:415-9, 1973
- Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants; effects of oxytocin. Bruce JD, et al. Acta Endocrinol (Kbh) 73:713-20, Aug 73
- Effect of progesterone on RNA and protein synthesis in the rat uterus. Trams G, et al. Acta Endocrinol (Kbh) 73:740-50, Aug 73
- Authoradiographic studies of the mouse Fallopian tube. Devoe L, et al. Am J Obstet Gynecol 117:490-6, 15 Oct 73
- Histologic features of ovarian follicles of gonadotropin-injected helpers. McKenzie BE, et al. Am J Vet Res 34:1033-40, Aug 73

Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al.
Biol Reprod 9:272-8, Oct 73

Minimum daily dose of progesterone and plasma concentration for maintenance of pregnancy in ovariectomized gilts. Ellicott AR, et al.
Biol Reprod 9:300-4, Oct 73

Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gabori G, et al.
Biol Reprod 9:309-16, Oct 73

The comparative efficacy of testosterone, progesterone, and dehydroepiandrosterone for the maintenance of fertilizing capacity in castrated hamsters. Lubicz-Nawrocki CM, et al.
Biol Reprod 9:295-9, Oct 73

Luteal phase defects: recognition and management. Reyniak JV. *Bull NY Acad Med* 49:974-84, Nov 73

Effect of ovariectomy and estradiol on LH patterns in ewes. Diekman MA, et al. *J Anim Sci* 37:562-7, Aug 73

Exogenous progesterone and estradiol benzoate on early embryonic survival in the pig. Gentry BE Jr, et al. *J Anim Sci* 37:722-7, Sep 73

Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73

Uptake and metabolism of (1,2-³H)progesterone injected intraluminally into the uteri of spayed mice. Clark BF. *J Endocrinol* 58:555-62, Sep 73

Uterine contractions in the ewe during progestagen-regulated oestrus. Hawk HW, et al. *J Reprod Fertil* 34:347-9, Aug 73

Effect of progestoids on the cellular response to inflammation in the monkey. Kung TT, et al. *J Reticuloendothel Soc* 14:59-67, Jul 73

Progesterone treatment of mares with abnormal oestrous cycles early in the breeding season. Niekerk CH van, et al. *J S Afr Vet Med Assoc* 44:37-45, Mar 73

Endometrial cancer. Facts and theories. Nordqvist SR. *Pathol Annu* 8:283-300, 1973 (93 ref.)

Effects of sex hormones on sleep patterns of male rats gonadectomized in adulthood and in the neonatal period. Brancheu L, et al.
Physiol Behav 11:609-11, Nov 73

[Gestagens in the treatment of scleroderma] Szczepeński A.
Przegl Dermatol 60:521-3, Jul-Aug 73 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

Clinical and epidemiologic aspects of oral contraceptive safety. Schrogie JJ.
Semin Drug Treat 3:143-56, Autumn 73 (90 ref.)

[Possible carcinogenic action of contraceptives] Rudall G, et al. *Maroc Med* 52:558-61, Oct 72 (20 ref.) (Fre)

ANALYSIS

Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spilman CH, et al.
Biol Reprod 9:116-24, Sep 73

Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50. Bodley FH, et al.
Clin Chem 19:1027-30, Sep 73

Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. *J Anim Sci* 37:728-33, Sep 73

Maintenance of corpora lutea in prepuberal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73

High-efficiency liquid chromatography in pharmaceutical analysis. Bailey F, et al.
J Chromatogr 83:431-7, 29 Aug 73

Lack of squalene and lanosterol synthesis by the perfused human placenta at term. Leusden HA van, et al. *J Steroid Biochem* 4:349-54, Jul 73

ANTAGONISTS & INHIBITORS

Progesterone antagonism of papain emphysema: role of sex, estrogens and serum antitrypsin. Giles RE, et al.
Proc Soc Exp Biol Med 144:487-91, Nov 73

BIOSYNTHESIS

Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73

In vitro metabolism of (4-¹⁴C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73

Induction by luteinizing hormone of ovum maturation and of steroidogenesis in isolated Graafian follicles of the rat: role of RNA and protein synthesis. Tsafirli A, et al. *Endocrinology* 93:1378-86, Dec 73

Steroid biosynthesis by phalarope (*Steganopus tricolor* and *Lophipes lobatus*) adrenal tissue. Fevold HR, et al. *Gen Comp Endocrinol* 21:353-7, Oct 73

In vitro progesterone synthesis by corpora lutea of hysterectomized ewes after in vivo stimulation with luteinizing hormone. Rigor EM, et al.
J Anim Sci 37:718-21, Sep 73

Glucocorticoid synthesis from pregnenolone by sheep foetal adrenals in vitro. Davies IJ, et al.
J Endocrinol 58:485-91, Sep 73

Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al.
J Endocrinol 58:447-62, Sep 73

Steroid hormone production by pig blastocysts. Perry JS, et al. *Nature* 245:45-7, 7 Sep 73

Stimulation of steroid secretion in adrenal tumor cells by cholera toxin. Wolff J, et al.
Proc Natl Acad Sci USA 70:2741-4, Oct 73

In vitro progesterone metabolism in rat submaxillary gland: the formation of 20 alpha-hydroxy-4-pregnen-3-one and other substances. Coffey JC. *Steroids* 22:561-6, Oct 73

Biosynthesis of steroids from cholesterol-¹⁴C by human adrenal carcinoma tissue. Nishida S, et al. *Steroids* 22:337-50, Sep 73

[In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F₂alpha] Santos AA, et al.
FEBS Lett 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)

BLOOD

Peripheral plasma levels of oestrogen and progesterone in pregnant rhesus monkeys treated with dexamethasone. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:338-47, Oct 73

Peripheral plasma levels of oestrogens, progesterone and 17alpha-hydroxyprogesterone during gestation in the rhesus monkey. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:348-60, Oct 73

Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al.
Am J Obstet Gynecol 117:631-42, 1 Nov 73

LH and progesterone in the menstrual cycle: further observations on the relationship with the length of the luteal phase. Lepoutre L, et al.
Ann Endocrinol (Paris) 34:327-31, May-Jun 73

Clinical conference: Essential hypertension: new concepts about mechanisms.
Ann Intern Med 79:411-24, Sep 73

Minimum daily dose of progesterone and plasma concentration for maintenance of pregnancy in ovariectomized gilts. Ellicott AR, et al.
Biol Reprod 9:300-4, Oct 73

The effects of prostaglandin F₂ alpha on the structure and function of the rabbit ovary. Koering MJ, et al.
Biol Reprod 9:226-45, Oct 73

Morphological changes in the corpus luteum correlated with progesterin levels in the rhesus monkey during early pregnancy. Koering MJ, et al.
Biol Reprod 9:254-71, Oct 73

The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73

Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. Bettendorf G, et al. *Endocrinol Exp (Bratisl)* 7:215-20, Sep 73

Ovarian steroid patterns in peripheral plasma during the menstrual cycle in the rhesus monkey. Bosu WT, et al. *Folia Primatol (Basel)* 19:218-34, 1973

An efficient procedure for the determination of progesterone by radioimmunoassay applied to bovine peripheral plasma. Hoffmann B, et al.
Horm Res 4:302-10, 1973

Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. *J Anim Sci* 37:728-33, Sep 73

Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73

Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73

Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73

Effects of coitus on gonadotropin, prolactin and sex

- steroid levels in man. Stearns EL, et al. *J Clin Endocrinol Metab* 37:887-91, Nov 73
- The development of cyclic pituitary-gonadal function in adolescent females. Winter JS, et al. *J Clin Endocrinol Metab* 37:714-8, Nov 73
- The maintenance of pregnancy, and parturition, in guinea-pigs hypophysectomized within 4 days of mating. Illingworth DV, et al. *J Endocrinol* 59:163-9, Oct 73
- Cytochrome P-450 activity in sheep corpora lutea during the oestrous cycle. Simpson ER, et al. *J Endocrinol* 58:493-501, Sep 73
- A study on the monitoring of gonadotrophin therapy by the assay of plasma oestradiol and progesterone. Shaahan MM, et al.
- J Obstet Gynaecol Br Commonw* 80:783-93, Sep 73
- Plasma oestradiol and progesterone concentration in the normal menstrual cycle. Shaahan MM, et al. *J Obstet Gynaecol Br Commonw* 80:776-82, Sep 73
- Studies on plasma progesterone in cows associated with ovarian changes following enucleation of the persistent corpus luteum. Dohrowolski W, et al. *J Reprod Fertil* 35:199-201, Oct 73
- The relationship between plasma progesterone concentration and conception in post-partum dairy cows maintained on two levels of nutrition. Folman Y, et al. *J Reprod Fertil* 34:267-78, Aug 73
- Plasma hormone levels in beef cows with induced multiple ovulations. Henricsson DM, et al. *J Reprod Fertil* 35:225-33, Nov 73
- Concentrations of oestrogens and progesterone in the plasma of ovariectomized and ovariectomized Norgestrel-treated pregnant guinea-pigs. Illingworth DV, et al. *J Reprod Fertil* 34:289-96, Aug 73
- Plasma oestradiol, luteinizing hormone and progesterone during pregnancy in the Beagle bitch. Jones GE, et al. *J Reprod Fertil* 35:187-9, Oct 73
- Progesterone levels during the oestrous cycle and pregnancy in the culs, Galea musteloides. Tam WH. *J Reprod Fertil* 35:105-14, Oct 73
- Letter: Steroid profile of threatened premature labour. Csapo A, et al. *Lancet* 2:1097-8, 10 Nov 73
- Letter: Uterine activity following intravenous administration of oxytocin to foetal sheep. Nathanielsz PW, et al. *Nature* 243:471-2, 22 Jun 73
- Effects of immunization with bapten-coupled HCG on the human menstrual cycle. Stevens VC, et al. *Obstet Gynecol* 42:485-95, Oct 73
- Pituitary-gonadal relations in female children and adolescents. Winter JS, et al.
- Pediatr Res* 7:948-53, Dec 73
- The uptake of dopamine and serotonin in rat brain during progesterone decline. Hackmann E, et al. *Psychopharmacologia* 32:183-91, 1973
- The mechanism of initiation of parturition in the ewe. Liggins GC, et al.
- Recent Prog Horm Res* 29:111-59, 1973
- Progesterone measurement using "stripped" corticosteroid binding globulin (CBG). Baranczuk R, et al. *Steroids* 22:273-84, Aug 73
- Effect of administered 20 beta-hydroxysteroid dehydrogenase on serum progesterone in the rat. Chatterton RT Jr, et al. *Steroids* 22:485-92, Oct 73
- Radioimmunoassay of plasma 20 alpha-dihydroprogesterone. Florensa E, et al. *Steroids* 22:451-65, Oct 73
- Demonstration of a specific binding protein for testosterone and 5alpha-dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al. *Steroids* 22:185-92, Aug 73
- Proceedings: Peripheral blood levels of progesterone in pony mares during the oestrous cycle and early pregnancy. Allen WE, et al. *Vet Rec* 93:77, 21 Jul 73
- Proceedings: Radioimmunoassay of luteinizing hormone and progesterone during the ovulatory cycle of the hen *Gallus domesticus*. Bonney RC, et al. *Vet Rec* 93:76-7, 21 Jul 73
- Proceedings: Progesterone, 17 beta oestradiol and LH in relation to ovulation in cows. Dobson H, et al. *Vet Rec* 93:76, 21 Jul 73
- Proceedings: Variations in peripheral blood concentrations of progesterone and total free oestrogens in the non-pregnant bitch. Hadley JC. *Vet Rec* 93:77, 21 Jul 73
- [Use of an early test for pregnancy by determining progesterone in peripheral blood of the ewe] Saumande J, et al.
- Ann Biol Anim Biochim Biophys* 12:661-5, 1972 (Eng. Abstr.) (Fre)

- [Methodological difficulties in the determination of steroid hormones by protein binding methods (author's transl)] Breuer H.
- Z Klin Chem Klin Biochem* 11:357-61, Aug 73 (Eng. Abstr.) (Ger)
- [Progesterone-Interpretation of the test results] Yoshimi T. *Jap J Clin Med* 31:1558-67, 1973 (Jap)

CHEMICAL SYNTHESIS

- 14 Alpha, 17 alpha-alkyldenedioxy steroids. 2. 19-Nor-9 alpha, 10 beta- and 19-nor-9 beta, 10 alpha-progesterone analogs. Marx AF, et al. *J Med Chem* 16:1302-5, Nov 73

DIAGNOSTIC USE

- [Evaluation of hormonal colpocytology during the climacteric] Di Paola G.
- An R Acad Nacl Med (Madr)* 90:477-89, 1973 (Spa)

METABOLISM

- Peripheral control of hormone metabolism. Herrmann WL, et al. *Am J Obstet Gynecol* 117:879-88, 1 Nov 73
- Binding of progesterone by rat uterus in vitro. Saffran J, et al.
- Biochem Biophys Res Commun* 53:202-9, 2 Jul 73
- On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA.
- Biochim Biophys Acta* 322:68-74, 21 Sep 73
- In vitro steroidogenesis in feline testes. O R, et al. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
- Progesterone receptor associated with the "melanosome" fraction of *Pleurodeles waltl* oocytes (Urodela amphibian). Ozon R, et al.
- Biochim Biophys Acta* 320:588-93, 5 Oct 73
- Gonadotropin receptors in the plasma membranes of rat luteal cells. Rao CV, et al.
- Biochim Biophys Acta* 313:372-89, 28 Jul 73
- Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
- Placental metabolism in relation to toxicology. Juchau MR. *CRC Crit Rev Toxicol* 2:125-58, Sep 73 (163 ref.)
- Cardiac glucocorticoid receptors: the binding of tritiated dexamethasone in rat and dog heart. Funder JW, et al. *Endocrinology* 93:1300-8, Dec 73
- Conversion of progesterone to estrone and estradiol in vitro by the ovary of the infantile rat in relation to the development of its interstitial tissue. Quattropani SL, et al. *Endocrinology* 93:1269-76, Dec 73
- Induction by luteinizing hormone of ovum maturation and of steroidogenesis in isolated Graafian follicles of the rat: role of RNA and protein synthesis. Tsafirli A, et al. *Endocrinology* 93:1378-86, Dec 73
- Androgen production by testes of *Gallus domesticus* during postembryonic development. Galli FE, et al. *Gen Comp Endocrinol* 21:262-6, Oct 73
- The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73
- Uptake and metabolism of (1,2-³H)progesterone injected intraluminally into the uteri of spayed mice. Clark BF. *J Endocrinol* 58:555-62, Sep 73
- The uptake of testosterone and zinc in vitro by the human benign hypertrophic prostate. Reed MJ, et al. *J Endocrinol* 58:405-19, Sep 73
- Transport of cortisol, progesterone and cholesterol across isolated mesentery. Effect of metyrapone. Couturier E, et al. *J Membr Biol* 13:89-96, 30 Aug 73
- Similarities and differences in the binding of oestradiol-17beta to rat oviduct and uterus. Sen KK, et al. *J Reprod Fertil* 35:369-72, Nov 73
- Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. Tsang WN, et al. *J Reprod Fertil* 34:513-7, Sep 73
- Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al.
- J Steroid Biochem* 4:369-79, Jul 73
- Steroid hormone production by pig blastocysts. Perry JS, et al. *Nature* 245:45-7, 7 Sep 73
- Breakdown of germinal vesicle of frog oocytes with 5alpha-reduced products of progesterone in vitro. Sanyal MK, et al.
- Proc Soc Exp Biol Med* 144:483-6, Nov 73
- Aldosterone biosynthesis from 4-14C-pregnenolone and 4-14C-progesterone, in the rat and rabbit. Slaga TJ, et al. *Proc Soc Exp Biol Med* 143:1201-6, Sep 73
- The uptake of dopamine and serotonin in rat brain

- during progesterone decline. Hackmann E, et al. *Psychopharmacologia* 32:183-91, 1973
- Neurons of the hypothalamus concentrate (3H)progesterone or its metabolites. Sar M, et al. *Science* 182:1266-8, 21 Dec 73
- The effects of hypophysectomy and human chorionic gonadotropin administration on the in vitro metabolism of progesterone by the rat testis. Appell RA. *Steroids* 22:351-64, Sep 73
- In vitro progesterone metabolism in rat submaxillary gland: the formation of 20 alpha-hydroxy-4-pregnen-3-one and other substances. Coffey JC. *Steroids* 22:561-6, Oct 73
- In vitro accumulation and saturation of 3H-progestins in selected brain regions and in the adenohypophysis, uterus and pineal of the female rat. Luttge WG, et al. *Steroids* 22:493-502, Oct 73
- Effect of hypophysectomy and gonadotropin treatment on metabolism of 3H-progesterone by rat testicular tissue. Steinberger E, et al. *Steroids* 22:425-43, Sep 73
- 11-dehydrocorticosterone (compd. A) formation by the *Microtus* adrenal. Ungar F, et al. *Steroids* 22:503-14, Oct 73
- Degradation of progesterone by aspergilli-side chain cleaving enzymes. el-Refai AH, et al. *Z Allg Mikrobiol* 13:201-6, 1973
- [Dysfunctional endometria] Zavadil M, et al. *Cesk Patol* 9:113-28, Aug 73 (Eng. Abstr.) (Cze)
- [Measure of 17-alpha hydroxylase of the intermediate substrate labeled with carbon 14C] Krémers P. *Arch Int Physiol Biochim* 81:376-7, May 73 (Fre)
- [Biochemical study of adrenal cortex 17-alpha-hydroxylase] Krémers P. *Arch Int Physiol Biochim* 81:377-8, May 73 (Fre)
- [Inhibition in vitro of steroid 17-alpha hydroxylase from adrenal cortex of beef] Krémers P. *Arch Int Physiol Biochim* 81:379, May 73 (Fre)
- [Interaction of hormone with its receptors (author's transl)] Kato J. *Protein Nucleic Acid Enzyme* (Tokyo) 18:618-30, Jun 73 (153 ref.) (Jap)
- ### PHARMACODYNAMICS
- Impaired wound healing in progesterone-treated rabbits. Nyman S, et al. *Acta Chir Scand* 139:415-9, 1973
- Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants; effects of oxytocin. Bruce JD, et al. *Acta Endocrinol* (Kbh) 73:713-20, Aug 73
- Effect of progesterone on RNA and protein synthesis in the rat uterus. Trams G, et al. *Acta Endocrinol* (Kbh) 73:740-50, Aug 73
- Effect of ovarian hormones on lipid metabolism in different tissues of rats. Biswas R, et al. *Acta Physiol Acad Sci Hung* 42:213-8, 1972
- Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL. *Adv Pharmacol Chemother* 11:99-150, 1973 (415 ref.)
- The role of the phagocyte in host-parasite interactions. XXXIX. Stimulation of bactericidal activity of myeloperoxidase-containing leukocytic fractions by estrogens. Jacobs AA, et al. *Am J Obstet Gynecol* 117:671-8, 1 Nov 73
- Plasma prolactin changes following cortical spreading depression in female rats. Colombo JA, et al. *Am J Physiol* 225:766-9, Oct 73
- Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73
- In vitro culture of bovine embryos. McKenzie BE, et al. *Am J Vet Res* 34:1271-5, Oct 73
- Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. Okada Y, et al. *Biochem Biophys Res Commun* 53:1180-6, 21 Aug 73
- The effect of adjuvant arthritis and drugs on the ability of rat plasma to inhibit the triton X-100 induced lysis of rabbit polymorphonuclear leucocyte granules. Lowe JS, et al. *Biochem Pharmacol* 22:2069-78, 1 Sep 73
- Studies on the biochemical basis of oxygen toxicity. Allen JE, et al. *Biochim Biophys Acta* 320:708-28, 5 Oct 73
- Characterization of a distinct glucocorticoid-binding protein in the lactating mammary gland of the rat. Gardner DG, et al. *Biochim Biophys Acta* 320:617-27, 5 Oct 73
- The effects of X-irradiation of the rat ovary on implantation and embryonic development. Gibbons AF, et al. *Biol Reprod* 9:343-9, Nov 73
- The comparative efficacy of testosterone, progesterone, and dehydroepiandrosterone for the maintenance of fertilizing capacity in castrated hamsters. Lubicz-Nawrocki CM, et al. *Biol Reprod* 9:295-9, Oct 73
- Hormonal requirement for implantation and embryonic development in the ferret. Wu JT, et al. *Biol Reprod* 9:350-5, Nov 73
- The protective effect of estradiol-17 beta against polycyclic hydrocarbon cytotoxicity. Schwartz AG. *Cancer Res* 33:2431-6, Oct 73
- Caffeine inhibition of postreplication repair of N-acetoxy-2-acetylaminofluorene-damaged DNA in Chinese hamster cells. Simpson-Herren L, et al. *Cancer Res* 33:2415-24, Oct 73
- Influence of ovarian hormones on electromyograms of uterus, stomach and intestines in dogs. Milenov K, et al. *Endocrinol Exp (Bratisl)* 7:163-9, Sep 73
- Influence of progestational steroids on hypothalamic tyrosine hydroxylase activity in vitro. Beattie CW, et al. *Endocrinology* 93:1453-5, Dec 73
- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73
- The effects of gonadotropin preparations and steroid hormones on the ovaries of intact and gonadotropin-deprived gudgeons, *Hypseleotris galli*. Mackay NJ. *Gen Comp Endocrinol* 21:278-86, Oct 73
- Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al. *Horm Res* 4:97-106, 1973
- Effect of ovariectomy and estradiol on LH patterns in ewes. Diekman MA, et al. *J Anim Sci* 37:562-7, Aug 73
- Maintenance of pregnancy in prepuberal gilts. Ellicott AR, et al. *J Anim Sci* 37:971-3, Oct 73
- Induced LH release in spayed cows. Short RE, et al. *J Anim Sci* 37:551-7, Aug 73
- Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al. *J Biol Chem* 248:7625-30, 25 Nov 73
- Positive feedback effect of progestin upon serum gonadotropins in estrogen-primed castrate men. Stearns EL, et al. *J Clin Endocrinol Metab* 37:635-8, Oct 73
- Development of the mechanisms involved in the facilitatory and inhibitory effects of ovarian steroids on the release of follicle-stimulating hormone in the immature rat. Calligaris L, et al. *J Endocrinol* 58:547-54, Sep 73
- The sodium and potassium content of rat uterine luminal fluid. Conner EA, et al. *J Endocrinol* 59:181-2, Oct 73
- Progesterone inhibition of mouse uterine epithelial proliferation. Das RM, et al. *J Endocrinol* 59:205-6, Oct 73
- Biodynamic studies of hamster flank organ growth: hormonal influences. Frost P, et al. *J Invest Dermatol* 61:159-67, Sep 73
- Effect of simple amino acid replacements on the biological activity of luteinizing hormone-releasing hormone. Coy DH, et al. *J Med Chem* 16:1140-3, Oct 73
- 14 Alpha, 17 alpha-alkyldienedioxysteroids. 2. 19-Nor-9 alpha, 10 beta- and 19-nor-9 beta, 10 alpha-progesterone analogs. Marx AF, et al. *J Med Chem* 16:1302-5, Nov 73
- Hormonal regulation of rapidly labeled RNA in normal preneoplastic and neoplastic tissues of mouse mammary gland. Banerjee DJ, et al. *J Natl Cancer Inst* 51:843-9, Sep 73
- Effect of progesterone on the pituitary responsiveness to luteinizing hormone releasing hormone (LHRH) in intact anoestrous ewes. Plant HC, et al. *J Physiol (Lond)* 232:45P-47P, Jul 73
- Uterine contractions in the ewe during progestagen-regulated oestrus. Hawk HW, et al. *J Reprod Fertil* 34:347-9, Aug 73
- Some effects of steroids on the immature mouse ovary in vitro. Kent J. *J Reprod Fertil* 34:297-303, Aug 73
- Effect of progesterone in vivo upon the rate of cleavage of mouse embryos. Robiero L. *J Reprod Fertil* 35:153-5, Oct 73
- Effect of progestoids on the cellular response to inflammation in the monkey. Kung TT, et al. *J Reticuloendothel Soc* 14:59-67, Jul 73
- Progesterone treatment of mares with abnormal oestrous cycles early in the breeding season. Niekerk CH van, et al. *J S Afr Vet Med Assoc* 44:37-45, Mar 73

- Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. *J Steroid Biochem* 4:341-7, Jul 73
- Effect of adrenal cortical steroids on liver regeneration. Gershbain LL. *J Surg Oncol* 5:491-508, May 73
- Hormonal effects on the action of rabbit uterine extract on the rat uterine contractility. Mori N, et al. *Kumamoto Med J* 26:80-3, 30 Jun 73
- Hormone assays on breast-tumour cultures. Riley PA, et al. *Lancet* 2:818-20, 13 Oct 73
- Letter: Evidence for the theory of dual hypothalamic control of ovulation. Zolovick A, et al. *Nature* 245:158-9, 21 Sep 73
- The reproductive adolescent. Rauh JL, et al. *Pediatr Clin North Am* 20:1005-20, Nov 73 (51 ref.)
- Effects of sex hormones on sleep patterns of male rats gonadectomized in adulthood and in the neonatal period. Branchey L, et al. *Physiol Behav* 11:609-11, Nov 73
- Sexual motivation in the female rat after testosterone treatment. Myerson BJ, et al. *Physiol Behav* 11:421-8, Oct 73
- Regulation of scent marking in the female Mongolian gerbil *Meriones unguiculatus*. Owen K, et al. *Physiol Behav* 11:441-5, Oct 73
- Comparative effects of ovarian steroids on glycogen metabolism of rat, rabbit and guinea pig uterine tissue. Demers LM, et al. *Proc Soc Exp Biol Med* 143:1158-63, Sep 73
- Progesterone antagonism of papain emphysema: role of sex, estrogens and serum antitrypsin. Giles RE, et al. *Proc Soc Exp Biol Med* 144:487-91, Nov 73
- Breakdown of germinal vesicle of frog oocytes with 5 α -reduced products of progesterone in vitro. Sanyal MK, et al. *Proc Soc Exp Biol Med* 144:483-6, Nov 73
- Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al. *Proc Soc Exp Biol Med* 143:948-53, Sep 73
- The uptake of dopamine and serotonin in rat brain during progesterone decline. Hackmann E, et al. *Psychopharmacologia* 32:183-91, 1973
- Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al. *Recent Prog Horm Res* 29:65-109, 1973
- The mechanism of initiation of parturition in the ewe. Liggins GC, et al. *Recent Prog Horm Res* 29:111-59, 1973
- Increased susceptibility of *Cryptococcus neoformans* to amphotericin B in the presence of steroids. Mohr JA, et al. *Sabouraudia* 11:140-2, Jul 73
- Influence of estrogen and progesterone on exudation, inflammatory cell migration and granulation tissue formation in preformed cavities. Lundgren D. *Scand J Plast Reconstr Surg* 7:10-4, 1973
- Neurons of the hypothalamus concentrate (3H)progesterone or its metabolites. Sar M, et al. *Science* 182:1266-8, 21 Dec 73
- Antifertility agents: introduction and history. Balin H, et al. *Semin Drug Treat* 3:117-9, Autumn 73
- The use of clomiphene citrate in the treatment of anovulation. Kistner RW. *Semin Drug Treat* 3:159-76, Autumn 73 (25 ref.)
- Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73
- Glucocorticoid properties of progestogens. Briggs MH, et al. *Steroids* 22:555-9, Oct 73
- [Methods and application of the organ culture technique in clinical and experimental cancer research (author's transl)] Matthias M. *Arch Geschwulstforsch* 41:382-97, 1973 (150 ref.) (Eng. Abstr.) (Ger)
- [Possibilities of fertility inhibition by drugs in the male] Petry R, et al. *Dtsch Med Wochenschr* 98:1775-9, 21 Sep 73 (Ger)
- [Experimental investigations on facilitation of E. coli pyelonephritis (author's transl)] Sack K, et al. *Urol Int* 28:178-83, 1973 (Eng. Abstr.) (Ger)

PHYSIOLOGY

- Reactivity of the uterine arteries in the rat during oestrus and pregnancy. Csépl J, et al. *Acta Chir Acad Sci Hung* 14:153-64, 1973
- Peripheral control of hormone metabolism. Herrmann WL, et al. *Am J Obstet Gynecol* 117:879-88, 1 Nov 73
- LH and progesterone in the menstrual cycle: further observations on the relationship with the length of

- the luteal phase. Lepoutre L, et al. *Ann Endocrinol (Paris)* 34:327-31, May-Jun 73
- The relationship of oral contraception to depressive symptoms. Leeton J. *Aust NZ J Obstet Gynaecol* 13:115-20, May 73
- Termination of early pregnancy in rats after ovariectomy is due to immediate collapse of the progesterone-dependent decidua. Deanesly R. *J Reprod Fertil* 35:183-6, Oct 73
- Isometric contractions of isolated rat uterine muscle: relation to estrous cycle and pregnancy. Naftalin NJ, et al. *Proc Soc Exp Biol Med* 143:884-8, Sep 73
- The uptake of dopamine and serotonin in rat brain during progesterone decline. Hackmann E, et al. *Psychopharmacologia* 32:183-91, 1973

SECRETION

- The effects of X-irradiation of the rat ovary on implantation and embryonic development. Gibbons AF, et al. *Biol Reprod* 9:343-9, Nov 73
- Long-term culture of differentiated granulosa cells from individual bovine follicles. Korenman SG, et al. *Endocrinology* 93:1423-7, Dec 73
- Effect of gonadotrophins on the production of steroids by sheep ovarian follicles cultured in vitro. Moor RM, et al. *J Endocrinol* 58:599-611, Sep 73
- Progesterone secretion from the ovary in the ewe following infusion of uterine venous plasma. Baird DT, et al. *J Reprod Fertil* 35:13-22, Oct 73
- Ovarian secretion of oestradiol, oestrone, 20-dihydroprogesterone and progesterone during the oestrous cycle of the guinea-pig. Joshi HS, et al. *J Reprod Fertil* 35:177-81, Oct 73
- Hormonal and cytoplasmic control of the maturation of frog oocytes. Masul Y. *Sov J Dev Biol* 3:484-95, Nov-Dec 72
- [Effects of short- and long-term administration of synthetic FSH- and LH-releasing hormone on the parameters assessing menstrual function in women with secondary amenorrhoea] Schneider WH, et al. *Wien Klin Wochenschr* 85:554-8, 17 Aug 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA. *J Am Osteopath Assoc* 73:35-8, Sep 73
- Exogenous progesterone and estradiol benzoate on early embryonic survival in the pig. Gentry BE Jr, et al. *J Anim Sci* 37:722-7, Sep 73
- Termination of early pregnancy in rats after ovariectomy is due to immediate collapse of the progesterone-dependent decidua. Deanesly R. *J Reprod Fertil* 35:183-6, Oct 73
- Endometrial cancer. Facts and theories. Nordqvist SR. *Pathol Annu* 8:283-300, 1973 (93 ref.)
- Acne vulgaris. Reissner RM. *Pediatr Clin North Am* 20:851-64, Nov 73 (27 ref.)
- Advances in gynaecology. Barr W. *Practitioner* 211:459-64, Oct 73
- In vitro studies of human tumor and embryonic tissue. Allen A, et al. *Trans Pac Coast Obstet Gynecol Soc* 40:8-14, 1973
- Preoperative hormonal therapy of cystic adnexal masses. Spanos WJ. *Trans Pac Coast Obstet Gynecol Soc* 40:111-6, 1973
- [Results of treatment of juvenile hemorrhagic metropathy with the authors method of hormone therapy, consisting of a combination of estrogen and progesterone] Markovski N. *Akush Ginekol (Sofia)* 12:14-20, 1973 (Eng. Abstr.) (Bul)
- [Progesterone drugs and adenoma of the prostate. Considerations on a 4-year trial] Steckelmacher P. *Acta Urol Belg* 41:462-4, Jul 73 (Eng. Abstr.) (Fre)
- [Treatment of advanced inoperable carcinoma of the ovaries (author's transl)] Senn HJ. *Ther Umsch* 30:651-6, Sep 73 (Eng. Abstr.) (Ger)
- [Treatment of the carcinoma of the prostate with gestagens (author's transl)] Popellier G. *Urologe [A]* 12:134-9, May 73 (Eng. Abstr.) (Ger)
- [Gestagens in the treatment of scleroderma] Szczepanski A. *Przegl Dermatol* 60:521-3, Jul-Aug 73 (Eng. Abstr.) (Pol)

RELAXIN

METABOLISM

Relaxin in porcine corpora lutea during pregnancy and after hysterectomy. Anderson LL, et al.
Am J Physiol 225:1215-9, Nov 73

PHARMACODYNAMICS

Utilization of the relaxed symphysis pubis of guinea pigs for clues to the mechanism of ovulation. Chihai HJ, et al. Endocrinology 93:1441-5, Dec 73

SEX HORMONES

Neural control of motivated behavior. Stellar E, et al. Neurosci Res Program Bull 11:296-410, Sep 73 (574 ref.)

Ultrastructural investigation of the postnatal development of the hamster Harderian gland. II. Male and female. Bucana CD, et al.
Z Zellforsch Mikrosk Anat 142:1-12, 27 Aug 73
[Climacterium in women and the circulatory system: selected clinical problems] Sznajderman M.
Ginekoi Pol 44:853-8, Aug 73 (Pol)

ANALYSIS

The measurement of sex steroid binding globulin by differential ammonium sulphate precipitation.
O'Connor S, et al. J Steroid Biochem 4:331-9, Jul 73

BIOSYNTHESIS

[The effect of the bursa of Fabricius on the genital organs of the young hen (Gallus domesticus) stimulated with gonadotropin (HCG and PMS); light and electron-microscopic studies of the rate of synthesis of collagen, basic substance and sex steroid hormones in the ovary] Budras KD, et al.
Zentralbl Veterinärmed [C] 2:156-88, Jun 73 (Eng. Abstr.) (Ger)

METABOLISM

Hypertension, antihypertensive drugs and atherosclerosis. Hollander W.
Circulation 48:1112-27, Nov 73 (118 ref.)
Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. Tsang WN, et al. J Reprod Fertil 34:513-7, Sep 73
Dam, reservoir of filter. Vickers CF.
Trans St Johns Hosp Dermatol Soc 59:10-29, 1973 (44 ref.)

PHARMACODYNAMICS

Lysosomal enzyme activation by steroid hormones in vivo. Briggs M. J Steroid Biochem 4:341-7, Jul 73

PHYSIOLOGY

Neonatal gonadal hormone manipulation and emotionality following septal lesions in weanling rats. Phillips AG, et al. Brain Res 80:55-64, 28 Sep 73
Sex difference in social aggression and escape elicited by brain stimulation in cocks and in hens. Putkonen PT. Brain Res 59:432-6, 14 Sep 73
Adaptations of the digestive tract during reproduction in the mammal. Fell BF.
World Rev Nutr Diet 14:180-256, 1972 (388 ref.)
[Hormonal oöcytology of human fetuses] Solov'eva EP.
Vopr Okhr Materin Det 18:72-7, Jun 73 (Eng. Abstr.) (Rus)

STANOLONE

Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. Biochim Biophys Acta 318:225-34, 22 Aug 73

ADMINISTRATION & DOSAGE

Copulation in castrated male rats following combined treatment with estradiol and dihydrotestosterone. Baum MJ, et al. Science 182:283-5, 19 Oct 73

ANTAGONISTS & INHIBITORS

Antagonistic effects of dihydrotestosterone and cyproterone acetate on the synthesis of RNA. Grigorescu A, et al.
Biochim Biophys Acta 319:165-73, 24 Aug 73

BIOSYNTHESIS

Evaluation of the specific activity of holochemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. Morfin RF, et al. J Steroid Biochem 4:381-91, Jul 73

BLOOD

Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. J Clin Endocrinol Metab 37:581-7, Oct 73
Competitive ligand-binding assay for measurement of sex hormone-binding globulin (SHBG). Tulchinsky D, et al. J Clin Endocrinol Metab 37:873-81, Dec 73
Demonstration of a specific binding protein for testosterone and 5 α -dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al.
Steroids 22:185-92, Aug 73

METABOLISM

Metabolism of testosterone by preparations from the rat testis. Dorrington JH, et al.
Biochim Biophys Res Commun 54:1425-31, 15 Oct 73
Activity of horse liver alcohol dehydrogenase SS with NADP (H) as coenzyme and its sensitivity to barbiturates. Pletruszko R.
Biochim Biophys Res Commun 54:1046-52, 1 Oct 73
On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA.
Biochim Biophys Acta 322:68-74, 21 Sep 73
Development of increased cytoplasmic binding of androgen in the submandibular gland of the mouse with testicular feminization. Dunn JF, et al.
J Biol Chem 248:7819-25, 25 Nov 73
Influence of medroxyprogesteroneacetate on testosterone metabolism by cultured human fibroblasts: a model for drug-steroid interaction. Saenger P, et al.
J Clin Endocrinol Metab 37:760-4, Nov 73
Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al.
J Steroid Biochem 4:369-79, Jul 73
Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al.
Recent Prog Horm Res 29:65-109, 1973
A difference in the in vitro accumulation and metabolism of testosterone-1,2-³H by the rat prostate gland following incubation with ovine or bovine prolactin. Lloyd JW, et al. Steroids 22:473-83, Oct 73
[Metabolism of 3H-testosterone and 3H-5 α -DHT in the normal and adenomatous prostate (author's transl)] Becker H, et al.
Urol Int 28:350-5, 1973 (Eng. Abstr.) (Ger)
[Gene activation and mRNA synthesis in higher organisms] Olsnes S.
Tidsskr Nor Lægeforen 93:1230-5, 10 Jun 73 (19 ref.) (Eng. Abstr.) (Nor)

PHARMACODYNAMICS

Effects of testosterone and 5 α -dihydrotestosterone on weight gain and 3H-thymidine incorporation in accessory sex glands of castrated male rats. Tuohimaa P, et al.
Acta Endocrinol (Kbh) 74:379-88, Oct 73
Antagonistic effects of dihydrotestosterone and cyproterone acetate on the synthesis of RNA. Grigorescu A, et al.
Biochim Biophys Acta 319:165-73, 24 Aug 73
Effects of dimethylhenz(a)anthracene and dihydrotestosterone on estradiol-17 β binding in rat mammary cytosol fraction. Keightley DD, et al.
Cancer Res 33:2637-42, Nov 73
Effects of gonadal steroids upon brain 5-hydroxytryptamine levels in the neonatal rat. Giulian D, et al. Endocrinology 93:1329-35, Dec 73
Direct feedback of androgens: localized effects of intrapituitary implants of androgens on

- gonadotrophic cells and hormone stores. Kingsley TR, et al. *Endocrinology* 93:1398-409, Dec 73
- Biodynamic studies of hamster flank organ growth: hormonal influences. Frost P, et al. *J Invest Dermatol* 61:159-67, Sep 73
- The effect of oestradiol, testosterone and dihydrotestosterone on sexual motivation in the ovariectomized female rat. McDonald PG, et al. *Physiol Behav* 11:515-20, Oct 73
- Copulation in castrated male rats following combined treatment with estradiol and dihydrotestosterone. Baum MJ, et al. *Science* 182:283-5, 19 Oct 73

TESTOLACTONE

- Degradation of progesterone by aspergilli-side chain cleaving enzymes. el-Refai AH, et al. *Z Allg Mikrobiol* 13:201-6, 1973

ADMINISTRATION & DOSAGE

- Combined high-dose delta1-testolactone with low-dose 5-fluorouracil in the treatment of metastatic breast cancer. Halden A, et al. *Oncology* 27:493-501, 1973

THERAPEUTIC USE

- Calusterone for breast cancer. *Med Lett Drugs Ther* 15:95, 9 Nov 73
- Combined high-dose delta1-testolactone with low-dose 5-fluorouracil in the treatment of metastatic breast cancer. Halden A, et al. *Oncology* 27:493-501, 1973

TESTOSTERONE

- The molecular structure of porphyrin complexes in solution: the interaction of metal porphyrins with various steroids. Hill HA, et al. *Ann NY Acad Sci* 206:247-67, 1973
- Ionic transport through model membranes. II. Function of cholesterol and steroid hormones. Horton AW, et al. *Biochim Biophys Acta* 318:225-34, 22 Aug 73
- Solubility of cholesterol and hormone drugs in water. Madan DK, et al. *J Pharm Sci* 62:1567-9, Sep 73
- Experimental aspects of renal tumors. Grabstald H. *J Surg Oncol* 5:509-16, May 73
- Effect of active immunisation against testosterone-3-BSA on circulating levels of testosterone, LH, prolactin and testosterone antibody titre in the male rat. Hillier SG, et al. *Steroids* 22:227-38, Aug 73
- Degradation of progesterone by aspergilli-side chain cleaving enzymes. el-Refai AH, et al. *Z Allg Mikrobiol* 13:201-6, 1973

ADMINISTRATION & DOSAGE

- Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al. *Am J Vet Res* 34:1409-19, Nov 73
- Predictors of dominance in the male golden hamster (*Mesocricetus auratus*). Drickamer LC, et al. *Anim Behav* 21:557-63, Aug 73
- Predictors of social dominance in the adult female golden hamster (*Mesocricetus auratus*). Drickamer LC, et al. *Anim Behav* 21:564-70, Aug 73
- Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gabori G, et al. *Biol Reprod* 9:309-16, Oct 73
- The comparative efficacy of testosterone, progesterone, and dehydroepiandrosterone for the maintenance of fertilizing capacity in castrated hamsters. Lubicz-Nawrocki CM, et al. *Biol Reprod* 9:295-9, Oct 73
- Anti-shock action of steroids other than cortisone. Novelli GP, et al. *Eur Surg Res* 5:169-74, 1973
- Biphasic effect of testosterone on spermatogenesis in the rat. Walsh PC, et al. *Invest Urol* 11:190-3, Nov 73
- The effect of short-term testosterone administration on serum FSH, LH and testosterone levels: evidence for selective abnormality in LH control in patients with Klinefelter's syndrome. Capelli PT, et al. *J Clin Endocrinol Metab* 37:752-9, Nov 73
- The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al. *J Clin Endocrinol Metab* 37:574-80, Oct 73
- Maturation of spermatozoa in the rabbit epididymis:

- effect of castration and testosterone replacement. Orgebin-Crist MC. *J Exp Zool* 185:301-10, Sep 73
- Effect of testosterone polydimethylsiloxane implants upon sperm production, libido and accessory sex organ function in rabbits. Ewing LL, et al. *J Reprod Fertil* 35:245-53, Nov 73
- Efficacy of testosterone-filled polydimethylsiloxane implants in maintaining plasma testosterone in rabbits. Stratton LG, et al. *J Reprod Fertil* 35:235-44, Nov 73
- Feedback regulation of gonadotropin secretion in men. Walsh PC, et al. *J Urol* 110:84-9, Jul 73
- A clinical study of lactation suppression. Schwartz DJ, et al. *Obstet Gynecol* 42:599-606, Oct 73
- Effects of testosterone propionate implants in the brain on the sexual behavior and peripheral tissue of the male rat. Kierniesky NC, et al. *Physiol Behav* 11:633-40, Nov 73
- Sexual motivation in the female rat after testosterone treatment. Myerson BJ, et al. *Physiol Behav* 11:421-8, Oct 73
- The effect of *Elmeria tenella* infection and testosterone treatment on the weight of the bursa of Fabricius in young chickens. Visco RJ. *Poult Sci* 52:1034-42, May 73
- [Changes in bone marrow and the juxtaglomerular apparatus under the effect of longterm testosterone administration] Tarsoly E, et al. *Acta Chir Acad Sci Hung* 14:79-88, 1973 (Eng. Abstr.) (Ger)
- [Cytomorphological prerequisites of the seminal vesicle glandular epithelium for testosterone action] Dahnke HG. *Experientia* 29:1148-9, 15 Sep 73 (Eng. Abstr.) (Ger)
- [Alternatives to the "pill" as contraceptive methods from the andrological viewpoint] Schlrren C. *Fortschr Med* 91:1185-8, 25 Oct 73 (Ger)

ADVERSE EFFECTS

- Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al. *Am J Vet Res* 34:1409-19, Nov 73
- Clinical and epidemiologic aspects of oral contraceptive safety. Schrogle JJ. *Semin Drug Treat* 3:143-56, Autumn 73 (90 ref.)

ANALYSIS

- Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism. *Arch Intern Med* 132:616-9, Oct 73
- Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
- Testosterone concentrations in testes of normal men: effects of testosterone propionate administration. Morse HC, et al. *J Clin Endocrinol Metab* 37:882-6, Dec 73
- Testosterone levels in the serum and testes of growing rats following prenatal exposure to busulphan. Hall RW, et al. *J Reprod Fertil* 35:131-4, Oct 73
- Gas chromatographic analysis of drugs and drug metabolites in biological samples. Riedmann M. *Xenobiotica* 3:411-34, Jul 73 (63 ref.)

ANTAGONISTS & INHIBITORS

- [Influence of testosterone and their antagonists, cyproteron acetate and oestradiol, on lipidogen effect of sucrose by the rat (author's transl)] Lederer J, et al. *Ann Endocrinol (Paris)* 34:336-40, May-Jun 73 (Eng. Abstr.) (Fre)
- [The effect of sexual hormones on bone maturation and bone growth in female rats] Schenck B, et al. *Arzneim Forsch* 23:887-907, Jul 73 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

- In vitro steroidogenesis in feline testes. O R, et al. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
- Adverse effects of cadmium on brook trout testis and on in vitro testicular androgen synthesis. Sangalang GB, et al. *Biol Reprod* 9:394-403, Nov 73
- Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73
- In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcova J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
- The role of androgens in the initiation of

spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73

Conversion of (4-14C)5 alpha-pregnane-3, 20-dione to 5 alpha-C19-steroids by the prepubertal rat testis. Richards G, et al. *J Endocrinol* 59:185-6, Oct 73

Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. Tsang WN, et al. *J Reprod Fertil* 34:513-7, Sep 73

Sperm granulomas: an adverse effect of vasectomy. Kwart AM, et al. *J Urol* 110:416-22, Oct 73

Androgen metabolism in rat interstitial tissue and seminiferous tubules. Richards G, et al. *Nature* 244:359-61, 10 Aug 73

Mixed gonadal dysgenesis. Davidoff F, et al. *Pediatrics* 52:725-42, Nov 73

The effects of hypophysectomy and human chorionic gonadotropin administration on the in vitro metabolism of progesterone by the rat testis. Appell RA. *Steroids* 22:351-64, Sep 73

Steroid metabolism by mouse submaxillary glands. I. In vitro metabolism of testosterone and 4-androstene-3,17-dione. Coffey JC. *Steroids* 22:247-57, Aug 73

Biosynthesis of steroids from cholesterol-14C by human adrenal carcinoma tissue. Nishida S, et al. *Steroids* 22:337-50, Sep 73

[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al. *Urol Int* 28:360-3, 1973 (Eng. Abstr.) (Ger)

BLOOD

A simple clinical test for measuring the serum testosterone response to intravenous infusion of human chorionic gonadotropin (HCG). Vivanco F, et al. *Acta Endocrinol (Kbh)* 73:790-3, Aug 73

Plasma testosterone in narcotic addiction. Cushman P Jr. *Am J Med* 55:452-8, Oct 73

Endocrine studies in an arrhenohlastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73

Plasma testosterone, estradiol, and semen analysis in male homosexuals. Doerr P, et al. *Arch Gen Psychiatry* 29:829-33, Dec 73

Testicular function in sterile Steel mice. Younglai EV, et al. *Biol Reprod* 9:317-23, Oct 73

Development of a testicular tumour during clomiphene therapy. Reyes FI, et al. *Can Med Assoc J* 109:502-3 passim, 15 Sep 73

Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al. *Clin Chim Acta* 47:261-8, 30 Aug 73

Blood serum testosterone after sexual preparation or ejaculation, or after injections of LH or prolactin in bulls. Smith OW, et al. *J Anim Sci* 37:979-84, Oct 73

Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman. Abraham GE, et al. *J Clin Endocrinol Metab* 37:581-7, Oct 73

Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. II. Follicle-stimulating hormone, luteinizing hormone, testosterone and estradiol. Alford FP, et al. *J Clin Endocrinol Metab* 37:848-54, Dec 73

The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. Rosenfield RL, et al. *J Clin Endocrinol Metab* 37:574-80, Oct 73

Effect of synthetic luteinizing hormone-releasing factor on serum testosterone and gonadotropins in prepubertal, pubertal and adult males. Roth JC, et al. *J Clin Endocrinol Metab* 37:680-6, Nov 73

Effects of coitus on gonadotropin, prolactin and sex steroid levels in man. Stearns EL, et al. *J Clin Endocrinol Metab* 37:687-91, Nov 73

The role of androgens in the initiation of spermatogenesis in man. Steinberger E, et al. *J Clin Endocrinol Metab* 37:746-51, Nov 73

The development of cyclic pituitary-gonadal function in adolescent females. Winter JS, et al. *J Clin Endocrinol Metab* 37:714-8, Nov 73

A study of the androgen receptors in a variety of androgen-sensitive tissues. Mainwaring WI, et al. *J Endocrinol* 59:121-39, Oct 73

Effect of testosterone polydimethyl-siloxane implants upon sperm production, libido and accessory sex organ function in rabbits. Ewing LL, et al. *J Reprod Fertil* 35:245-53, Nov 73

Efficacy of testosterone-filled polydimethylsiloxane

implants in maintaining plasma testosterone in rabbits. Stratton LG, et al. *J Reprod Fertil* 35:235-44, Nov 73

Constitutional hirsutism: endocrinopathy or genetic curse. Greenblatt RB, et al. *J Reprod Med* 11:96-8, Sep 73

The measurement of sex steroid binding globulin by differential ammonium sulphate precipitation. O'Connor S, et al. *J Steroid Biochem* 4:331-9, Jul 73

Circadian rhythm of plasma testosterone, cortisol and gonadotropins in normal male subjects. Piro C, et al. *J Steroid Biochem* 4:321-9, May 73

Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. *J Urol* 110:410-2, Oct 73

Letter: Venous testosterone levels. Fairman C. *Lancet* 2:861, 13 Oct 73

Serum testosterone levels in homosexual men. Birk L, et al. *N Engl J Med* 289:1236-8, 6 Dec 73

Intensive chemotherapy for Hodgkin's disease: long-term complications. DeVita VT, et al. *Natl Cancer Inst Monogr* 36:447-54, May 73

Pituitary-gonadal relations in female children and adolescents. Winter JS, et al. *Pediatr Res* 7:948-53, Dec 73

Effects of vasectomy on endocrine and hepatic function. Easterday JL, et al. *Res Commun Chem Pathol Pharmacol* 6:301-12, Jul 73

Gonadal dysgenesis: the XY variant. Mattox JH. *South Med J* 66:839-40, Jul 73

Decreased serum testosterone concentration in male heroin and methadone addicts. Azizi F, et al. *Steroids* 22:467-72, Oct 73

Demonstration of a specific binding protein for testosterone and 5alpha-dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al. *Steroids* 22:185-92, Aug 73

Effect of active immunisation against testosterone-3-BSA on circulating levels of testosterone, LH, prolactin and testosterone antibody titre in the male rat. Hillier SG, et al. *Steroids* 22:227-38, Aug 73

[Studies on the binding of steroid hormones to human pregnancy proteins. I. Identification of pregnancy-associated beta₂-glykoprotein with the steroid-binding beta-globulin (author's transl)] Bohn H, et al. *Arch Gynaekol* 215:63-71, 25 May 73 (Eng. Abstr.) (Ger)

[Hypophyseal-gonadal regulation in patients with chronic kidney failure during long-term dialysis] Hrubesch M, et al. *Med Welt* 24:683-4, 27 Apr 73 (Ger)

[Diagnosis and therapy of infertility in the male] Petres J, et al. *Munch Med Wochenschr* 115:1175-82, 22 Jun 73 (Eng. Abstr.) (Ger)

[On the etiology of impairment of spermatogenesis by varicocele: plasma testosterone levels in the internal spermatic vein (author's transl)] Marberger M, et al. *Urol Int* 28:377-84, 1973 (Eng. Abstr.) (Ger)

[Methodological difficulties in the determination of steroid hormones by protein binding methods (author's transl)] Breuer H. *Z Klin Chem Klin Biochem* 11:357-61, Aug 73 (Eng. Abstr.) (Ger)

[Serum testosterone-interpretation of the test results] Ibayashi H, et al. *Jap J Clin Med* 31:1539-57, 1973 (87 ref.) (Jap)

[Mestoranum. What justification has this androgenic steroid?] Frey H. *Tidsskr Nor Lægeforen* 93:1163-4, 30 May 73 (Nor)

[Determination of testosterone in the blood plasma by competitive protein binding (CPB)] Kuroedova IA, et al. *Probi Endokrinol (Mosk)* 19:30-6, Sep-Oct 73 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

Aromatization of some steroidal enediols. Baldwin D, et al. *J Chem Soc [Perkin I]* 16:1704-7, 1973

Stereocontrolled total synthesis of 19-nor steroids. Hajos ZG, et al. *J Org Chem* 38:3244-9, 21 Sep 73

The synthesis of 7 alpha-trifluoromethyltestosterone acetate. Rasmussen GH, et al. *J Org Chem* 38:3670-2, 19 Oct 73

DIAGNOSTIC USE

[Thermogenic capacity of breast carcinomas. II.

TESTOSTERONE

GONADS

Variation during bormonal tests] Gauthier M, et al. *Biomedicine* 18:421-8, Sep 73 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. *Steroids* 22:379-99, Sep 73

METABOLISM

Letter: Testosterone 3H metabolism by urogenital structures of 10-day-old chick embryos. Gall FE, et al. *Acta Physiol Lat Am* 23:148-51, 1973

Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL. *Adv Pharmacol Chemother* 11:99-150, 1973 (415 ref.)

Proceedings: Testicular function tests: an integrated approach. Hamilton W. *Arch Dis Child* 48:831-2, Oct 73

Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism. *Arch Intern Med* 132:616-9, Oct 73

Metabolism of testosterone by preparations from the rat testis. Dorrington JH, et al.

Biochem Biophys Res Commun 54:1425-31, 15 Oct 73

On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. Lea OA.

Biochim Biophys Acta 322:68-74, 21 Sep 73

Conversion of testosterone to estrogen by isolated corpora lutea of pregnancy in the rat. Gibori G, et al. *Biol Reprod* 9:309-16, Oct 73

The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al. *Can J Physiol Pharmacol* 51:313-8, May 73

High-dose diethylstilbestrol diphosphate therapy of prostatic cancer after failure of standard doses of estrogens. Band PR, et al.

Can Med Assoc J 109:897-9, 20 Oct 73

Testosterone-binding globulin in stump-tailed macaque monkeys (*Macaca speciosa*). Gauthier-Wright F, et al.

Endocrinology 93:1277-86, Dec 73

Inability of the testosterone-estrogen-binding globulin to catalyze the oxidation or reduction of steroids in the presence of pyridine nucleotides. Kelly WG, et al. *J Clin Endocrinol Metab* 37:981-3, Dec 73

Influence of medroxyprogesteroneacetate on testosterone metabolism by cultured human fibroblasts: a model for drug-steroid interaction. Saenger P, et al.

J Clin Endocrinol Metab 37:760-4, Nov 73

Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. Jull JW, et al. *J Endocrinol* 59:7-16, Oct 73

Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 56:463-75, Sep 73

The uptake of testosterone and zinc in vitro by the human benign hypertrophic prostate. Reed MJ, et al. *J Endocrinol* 58:405-19, Sep 73

Studies in porphyria. II. Evidence for a deficiency of steroid delta-4-5-alpha-reductase activity in acute intermittent porphyria. Bradlow HL, et al. *J Exp Med* 138:754-63, 1 Oct 73

The effect of vasectomy on the activity of prostatic RNA polymerase in rats. Pierpoint CG, et al. *J Reprod Fertil* 35:149-52, Oct 73

Similarities and differences in the binding of oestradiol-17beta to rat oviduct and uterus. Sen KK, et al. *J Reprod Fertil* 35:369-72, Nov 73

Leydig cell differentiation, steroid metabolism by the interstitium in vitro and the growth of the accessory sex organs in the rat. Tsang WN, et al. *J Reprod Fertil* 34:351-5, Aug 73

Evaluation of the specific activity of biochemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. Morfin RF, et al. *J Steroid Biochem* 4:381-91, Jul 73

Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. Mulder E, et al. *J Steroid Biochem* 4:369-79, Jul 73

Letter: Skin biopsy site and biology of fibroblast strains. Kaufman M, et al. *Lancet* 2:1202-3, 24 Nov 73

Androgen metabolism and mechanism of action in male pseudobermaphroditism: a study of testicular

feminization. Bardin CW, et al.

Recent Prog Horm Res 29:65-109, 1973

Steroid metabolism by mouse submaxillary glands. I. In vitro metabolism of testosterone and 4-androstene-3,17-dione. Coffey JC. *Steroids* 22:247-57, Aug 73

A difference in the in vitro accumulation and metabolism of testosterone-1,2-3H by the rat prostate gland following incubation with ovine or bovine prolactin. Lloyd JW, et al. *Steroids* 22:473-83, Oct 73

Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. *Steroids* 22:379-99, Sep 73

[Metabolism of 3H-testosterone and 3H-5alpha-DHT in the normal and adenomatous prostate (author's transl)] Becker H, et al.

Urol Int 28:350-5, 1973 (Eng. Abstr.) (Ger)

[Biosynthesis and metabolism of steroid hormones in human gonads (author's transl)] Orestano F, et al.

Urol Int 28:360-3, 1973 (Eng. Abstr.) (Ger)

[Serum testosterone-interpretation of the test results] Ibayashi H, et al.

Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)

PHARMACODYNAMICS

A comparative histophysiological study on the normal, castrated and testosterone-treated levator ani muscle of rodents. Chlnoy NJ, et al.

Acta Endocrinol (Kbh) 74:389-98, Oct 73

Effects of testosterone and 5 alpha-dihydrotestosterone on weight gain and 3H-thymidine incorporation in accessory sex glands of castrated male rats. Tuohimaa P, et al.

Acta Endocrinol (Kbh) 74:379-88, Oct 73

Effects of a hyperoxic environment on erythropoietin production. Jaskunas SR, et al.

Aerosp Med 44:1112-6, Oct 73

Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al.

Am J Vet Res 34:1409-19, Nov 73

Predictors of dominance in the male golden hamster (*Mesocricetus auratus*). Drickamer LC, et al.

Anim Behav 21:557-63, Aug 73

Predictors of social dominance in the adult female golden hamster (*Mesocricetus auratus*). Drickamer LC, et al. *Anim Behav* 21:564-70, Aug 73

A further analysis of responses to a novel environment by testosterone-treated chicks. Archer J.

Behav Biol 9:389-96, Sep 73

Binding of progesterone by rat uterus in vitro. Saffran J, et al.

Biochem Biophys Res Commun 53:202-9, 2 Jul 73

Serum esterase genetics in rats: two new alleles at Es-2, a new esterase regulated by bormonal factors, and linkage of these loci to the Ag-C blood group locus. Gasser DL, et al. *Biochem Genet* 10:207-17, Nov 73

The control of the form and function of the ribosomes in androgen-dependent tissues by testosterone.

Mainwaring WJ, et al. *Biochem J* 134:795-805, Jul 73

The effect of adjuvant arthritis and drugs on the ability of rat plasma to inhibit the triton X-100 induced lysis of rabbit polymorphonuclear leucocyte granules.

Lowe JS, et al.

Biochem Pharmacol 22:2069-78, 1 Sep 73

The comparative efficacy of testosterone, progesterone, and dehydroepiandrosterone for the maintenance of fertilizing capacity in castrated hamsters. Lubicz-Nawrocki CM, et al.

Biol Reprod 9:295-9, Oct 73

Biological evidence for androgen secretion by the early fetal pig testes in organ culture. Moon YS, et al.

Biol Reprod 9:330-7, Nov 73

Changes in protein content and in vivo incorporation of (35S)methionine into protein of discrete brain areas of the rat over puberty: sexual differences. Haar MB

ter, et al. *Brain Res* 60:209-18, 28 Sep 73

Neonatal gonadal hormone manipulation and emotionality following septal lesions in weanling rats.

Phillips AG, et al. *Brain Res* 60:55-64, 28 Sep 73

The protective effect of estradiol-17 beta against polycyclic hydrocarbon cytotoxicity. Schwartz AG.

Cancer Res 33:2431-6, Oct 73

The effect of bursectomy and thymectomy on the course of avian influenza virus infection. Portnoy J, et al.

Cell Immunol 9:251-62, Nov 73

Effects of estradiol and testosterone on cyclic AMP levels in certain tissues of domestic fowl (*Gallus*

- domesticus). Yu JY, et al.
Comp Biochem Physiol [A] 46:215-20, 1 Sep 73
- Differentiated RNA transcription in brains of adolescent female rats following treatment with testosterone soon after birth. Namiki H, et al.
Comp Biochem Physiol [B] 46:199-205, 15 Sep 73
- Spontaneous and testosterone-induced pup killing in female Rockland-Swiss mice: the effect of lactation and the presence of young. Gandelman R, et al.
Dev Psychobiol 6:251-7, May 73
- Effect of perinatal administration of sex hormones on lipid metabolism in adult rats. Hádík T, et al.
Endocrinol Exp (Bratisl) 7:221-8, Sep 73
- Effects of gonadal steroids upon brain 5-hydroxytryptamine levels in the neonatal rat. Gillian D, et al.
Endocrinology 93:1329-35, Dec 73
- Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Klingsley TR, et al.
Endocrinology 93:1398-409, Dec 73
- Inhibitory action of neonatal androgenization on the incorporation of (3H)-lysine in specific hypothalamic nuclei of the adult female rat. Litteria M.
Exp Neurol 41:395-401, Nov 73
- Reparatory effect of exogenous testosterone on the expression of male-specific antigen (MSA) in neonatally orchectomized males and failure to induce MSA in females submitted to a similar testosterone regimen. Poláčeková M, et al.
Folia Biol (Praha) 19:281-8, 1973
- Functional and histochemical properties of the persistent levator ani muscle in female rats. Gutmann E, et al.
Folia Morphol (Praha) 21:142-3, 1973
- Gonadal hormones and thyroid function in the spotted muntia, *Lonchura punctulata*. Chandola A, et al.
Gen Comp Endocrinol 21:305-13, Oct 73
- Effects of progestogenic substances on the uterine secretion of spayed rats primed with oestradiol. Megloli G, et al.
Horm Res 4:97-106, 1973
- Effects of gonadal hormones on the flank gland of the golden hamster. Vandenbergh JG.
Horm Res 4:28-33, 1973
- Biphasic effect of testosterone on spermatogenesis in the rat. Walsh PC, et al.
Invest Urol 11:190-3, Nov 73
- The effect of gonadectomy and hormone administration on the urinary bladder carcinogenicity of N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide in male and female Swiss mice. Yoshida O, et al.
Invest Urol 11:216-20, Nov 73
- The effect of short-term testosterone administration on serum FSH, LH and testosterone levels: evidence for selective abnormality in LH control in patients with Klinefelter's syndrome. Capell PT, et al.
J Clin Endocrinol Metab 37:752-9, Nov 73
- Testosterone concentrations in testes of normal men: effects of testosterone propionate administration. Morse HC, et al.
J Clin Endocrinol Metab 37:882-8, Dec 73
- Effects of castration and replacement therapy on sexual behavior of adult male rhesuses. Phoenix CH, et al.
J Comp Physiol Psychol 84:472-81, Sep 73
- Role of gonadal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). Silver R, et al.
J Comp Physiol Psychol 84:464-71, Sep 73
- Comparison of the effects of parasympathetic denervation and administration of testosterone propionate on submaxillary glands of male mice. Houssay AB, et al.
J Dent Res 52:1076-8, Sep-Oct 73
- The submaxillary salivary glands as test organs for response to androgen in mice with testicular feminization. Lyon MF, et al.
J Endocrinol 58:357-62, Sep 73
- A study of the androgen receptors in a variety of androgen-sensitive tissues. Mainwaring WI, et al.
J Endocrinol 59:121-39, Oct 73
- Effect of testosterone on the concentration of ATP in the epithellum and muscle of the guinea-pig seminal vesicle. Mawbinney MG, et al.
J Endocrinol 59:187-8, Oct 73
- The effects of neonatal androgen administration on the aggression and related behavior of male golden hamsters during interactions with females. Payne AP, et al.
J Endocrinol 58:627-36, Sep 73
- Maturation of spermatozoa in the rabbit epididymis: effect of castration and testosterone replacement. Orgebin-Crist MC.
J Exp Zool 185:301-10, Sep 73
- Biodynamic studies of hamster flank organ growth: hormonal influences. Frost P, et al.
J Invest Dermatol 61:159-87, Sep 73
- Chemically induced sperm retention cysts in the rat. Cooper ER, et al.
J Reprod Fertil 34:445-9, Sep 73
- The effects of castration on the composition of rabbit epididymal plasma. Jones R, et al.
J Reprod Fertil 34:405-14, Sep 73
- Some effects of steroids on the immature mouse ovary in vitro. Kent J.
J Reprod Fertil 34:297-303, Aug 73
- The influence of 17 alpha-methyl-B-nortestosterone (SK & F 7690) on the fertilizing ability of spermatozoa in hamsters. Lubicz-Nawrocki CM, et al.
J Reprod Fertil 34:331-9, Aug 73
- Evidence for photoperiodic control of prolactin release in rams. Pelletier J.
J Reprod Fertil 35:143-7, Oct 73
- Lysosomal enzyme activation by steroid hormones in vivo. Briggs M.
J Steroid Biochem 4:341-7, Jul 73
- Effect of adrenal cortical steroids on liver regeneration. Gershbein LL.
J Surg Oncol 5:491-508, May 73
- Hormone assays on breast-tumour cultures. Riley PA, et al.
Lancet 2:818-20, 13 Oct 73
- Commentary: Disorders of gonadal development. Stempfel RS Jr.
Pediatrics 52:635-6, Nov 73
- The coagulating glands as a source of aversive and aggression-inhibiting pheromone(s) in the male albino mouse. Jones RB, et al.
Physiol Behav 11:455-62, Oct 73
- Effects of testosterone propionate implants in the brain on the sexual behavior and peripheral tissue of the male rat. Klerniesky NC, et al.
Physiol Behav 11:633-40, Nov 73
- Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. Leshner AI, et al.
Physiol Behav 11:705-11, Nov 73
- The effect of oestradiol, testosterone and dihydrotestosterone on sexual motivation in the ovariectomized female rat. McDonald PG, et al.
Physiol Behav 11:515-20, Oct 73
- Sexual motivation in the female rat after testosterone treatment. Myerson BJ, et al.
Physiol Behav 11:421-8, Oct 73
- Regulation of scent marking in the female Mongolian gerbil *Meriones unguiculatus*. Owen K, et al.
Physiol Behav 11:441-5, Oct 73
- The effect of Elmeria tenella infection and testosterone treatment on the weight of the bursa of Fabricius in young chickens. Visco RJ.
Poult Sci 52:1034-42, May 73
- Influence of castration and testosterone propionate on cardiac output, renal blood flow, and blood volume in mice. Broulik PD, et al.
Proc Soc Exp Biol Med 144:671-3, Nov 73
- S-adenosylmethionine: guanidinoacetate N-methyltransferase activities in livers from rats with hormonal deficiencies or excesses. Carlson M, et al.
Proc Soc Exp Biol Med 143:1256-9, Sep 73
- Studies on sex differentiation in mammals. Jost A, et al.
Recent Prog Horm Res 29:1-41, 1973 (65 ref.)
- Male pseudohermaphroditism in the laboratory Norway rat. Stanley AJ, et al.
Recent Prog Horm Res 29:43-64, 1973
- The effects of perfusion, amino acids and hormones on the free and endoplasmic reticulum-bound ribosomes of rat liver. Kelman L, et al.
S Afr Med J 47:1751-3, 29 Sep 73
- Increased susceptibility of *Cryptococcus neoformans* to amphotericin B in the presence of steroids. Mobr JA, et al.
Sabouraudia 11:140-2, Jul 73
- Antifertility agents: Introduction and history. Ballin H, et al.
Semin Drug Treat 3:117-9, Autumn 73
- Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH.
Steroids 22:547-53, Oct 73
- [Influence of testosterone and their antagonists, cyproteron acetate and oestradiol, on lipidogen effect of sucrose by the rat (author's transl)] Lederer J, et al.
Ann Endocrinol (Paris) 34:336-40, May-Jun 73 (Eng. Abstr.) (Fre)
- [Changes in bone marrow and the juxtaglomerular apparatus under the effect of longterm testosterone administration] Tarsoly E, et al.
Acta Chir Acad Sci Hung 14:79-88, 1973 (Eng. Abstr.) (Ger)
- [The effect of sexual hormones on bone maturation and bone growth in female rats] Schenck B, et al.
Arzneim Forsch 23:887-907, Jul 73 (Eng. Abstr.) (Ger)
- [Possibilities of fertility inhibition by drugs in the male] Petry R, et al.
Dtsch Med Wochenschr 98:1775-8, 21 Sep 73 (Ger)
- [Cyto-morphological prerequisites of the seminal vesicle glandular epithellum for testosterone action] Dahnke

HG.

Experientia 29:1148-9, 15 Sep 73 (Eng. Abstr.) (Ger)
 [Therapy of male fertility disorders and of
 climacterium virile. Effect of a combined
 chorlogonadotropin-testosterone treatment]
 Schönfelder H, et al.

Fortsschr Med 28:1123-30, Oct 73 (Ger)

[Growth and characteristics of monolayer cell cultures
 derived from benign hyperplasia of the prostate and
 carcinoma of the prostate (author's transl)] Brehmer
 B, et al. Urol Int 28:338-44, 1973 (Eng. Abstr.) (Ger)

[Experimental heterologous transplantation of human
 adenomatous prostatic grafts (author's transl)] Senge
 T, et al. Urol Int 28:345-9, 1973 (Eng. Abstr.) (Ger)

[Hormonal disturbances and the development of
 tumors of the central nervous system. Experimental
 investigations on rats (author's transl)] Schreiber D,
 et al.

Zentralbl Allg Pathol 117:180-4, 1973 (Eng. Abstr.)

(Ger)

[Effect of some erythropoiesis stimulators on
 regeneration of the erythrocyte system in rats
 following whole-body irradiation with sublethal dose
 of x-rays] Paprocka-Slonka E, et al.

Acta Haematol Pol 4:247-53, Jul-Sep 73 (Eng. Abstr.)

(Pol)

[Effect of hormones on water-electrolyte metabolism]
 Dedov II, et al.

Izv Akad Nauk SSSR [Biol] 4:525-32, Jul-Aug 73 (Eng.
 Abstr.)

(Rus)

PHYSIOLOGY

Effects of castration and replacement therapy on
 sexual behavior of adult male rhesuses. Phoenix CH,
 et al. J Comp Physiol Psychol 84:472-81, Sep 73

Role of gonadal hormones in incubation behavior of
 male ring doves (Streptopelia risoria). Silver R, et al.

J Comp Physiol Psychol 84:464-71, Sep 73

The influence of the testis on the survival of
 spermatozoa in the epididymis of the golden hamster,
 Mesocricetus auratus. Lubicz-Nawrocki CM, et al.

J Reprod Fertil 34:315-29, Aug 73

Regulation of scent marking in the female Mongolian
 gerbil Meriones unguiculatus. Owen K, et al.

Physiol Behav 11:441-5, Oct 73

SECRETION

Endocrine studies in an arrhenoblastoma responsive to
 dexamethasone, ACTH and human chorionic
 gonadotropin. Tucci JR, et al.

Am J Med 55:687-94, Nov 73

Androgen production by testes of Gallus domesticus
 during postembryonic development. Galli FE, et al.

Gen Comp Endocrinol 21:262-6, Oct 73

Letter: Testosterone-secreting adrenal tumors. Burr

IM. N Engl J Med 289:1373-4, 20 Dec 73

THERAPEUTIC USE

Anti-shock action of steroids other than cortisone.
 Novelli GP, et al. Eur Surg Res 5:169-74, 1973

The effects of low doses of depot estradiol and
 testosterone in teenagers with ovarian failure and
 Turner's syndrome. Rosenfield RL, et al.

J Clin Endocrinol Metab 37:574-80, Oct 73

Feedback regulation of gonadotropin secretion in men.

Walsh PC, et al. J Urol 110:84-9, Jul 73

Pituitary-testicular function in a hypogonadal male

subject. Younglai EV, et al. J Urol 110:410-3, Oct 73

In vitro studies of human tumor and embryonic tissue.

Allen A, et al.

Trans Pac Coast Obstet Gynecol Soc 40:8-14, 1973

[Therapy of male fertility disorders and of

climacterium virile. Effect of a combined

chorlogonadotropin-testosterone treatment]

Schönfelder H, et al.

Fortsschr Med 28:1123-30, Oct 73 (Ger)

[Diagnosis and therapy of infertility in the male]

Petres J, et al.

Munch Med Wochenschr 115:1175-82, 22 Jun 73 (Eng.

Abstr.)

[Treatment of metastasizing breast cancer in general

practice] Brunner KW.

Schweiz Med Wochenschr 103:1406-13, 13 Oct 73 (Eng.

Abstr.)

(Ger)

URINE

The treatment of precocious puberty with cyproterone
 acetate. Rager K, et al.

Acta Endocrinol (Kbh) 74:399-408, Oct 73

Physical and chemical factors influencing the

reliability of the assay of androgens by competitive

protein binding. Rudd BT, et al.

Clin Chim Acta 47:261-8, 30 Aug 73

Effects of hypothalamic electrical stimulation on the

urinary testosterone glycuronide in the adult male

rat. Lottl G, et al. Horm Res 4:197-206, 1973

[Profile of urinary steroids in cirrhosis: a study using a

method of analysis in the gas phase] Elkalim R, et al.

Ann Endocrinol (Paris) 34:241-60, May-Jun 73 (Eng.

Abstr.)

(Frc)

[Diagnosis and therapy of infertility in the male]

Petres J, et al.

Munch Med Wochenschr 115:1175-82, 22 Jun 73 (Eng.

Abstr.)

(Ger)

[Determination of urinary testosterone in man: a

comparison between two methods using gas phase

chromatography and competitive protein binding

analysis respectively (author's transl)] Littmann KP,

et al. Z Klin Chem Klin Biochem 11:371-5, Sep 73 (Ger)

[Serum testosterone-interpretation of the test

results] Ibayashi H, et al.

Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)

GONADS

IV. Related Topics

CASTRATION

- A comparative histophysiological study on the normal, castrated and testosterone-treated levator ani muscle of rodents. Chinoy NJ, et al.
Acta Endocrinol (Kbh) 74:389-98, Oct 73
- Minimum daily dose of progesterone and plasma concentration for maintenance of pregnancy in ovariectomized gilts. Ellicott AR, et al.
Biol Reprod 9:300-4, Oct 73
- The comparative efficacy of testosterone, progesterone, and dehydroepiandrosterone for the maintenance of fertilizing capacity in castrated hamsters. Lubicz-Nawrocki CM, et al.
Biol Reprod 9:295-9, Oct 73
- Fertility after unilateral orchidectomy and radiotherapy for patients with malignant tumours of the testis. Smithers DW, et al.
Br Med J 4:77-9, 13 Oct 73
- Effects of castration and replacement therapy on sexual behavior of adult male rhesuses. Phoenix CH, et al. *J Comp Physiol Psychol* 84:472-81, Sep 73
- The clinical and endocrinological effect of oestradiol implants at the time of hysterectomy and bilateral salpingo-oophorectomy. Hunter DJ, et al.
J Obstet Gynaecol Br Commonw 80:827-33, Sep 73
- Termination of early pregnancy in rats after ovariectomy is due to immediate collapse of the progesterone-dependent decidua. Deanesly R.
J Reprod Fertil 35:183-6, Oct 73
- The effects of castration on the composition of rabbit epididymal plasma. Jones R, et al.
J Reprod Fertil 34:405-14, Sep 73
- Patterns of incorporation of thymidine in the female genital and other organs of mice, treated with 20-methylcholanthrene, estradiol and ovariectomy. Klavins JV, et al. *Oncology* 27:502-19, 1973
- Effects of sex hormones on sleep patterns of male rats gonadectomized in adulthood and in the neonatal period. Branchey L, et al.
Physiol Behav 11:609-11, Nov 73
- The effects of gonadectomy on the sex differences in dietary self-selection patterns and carcass compositions of rats. Leshner AI, et al.
Physiol Behav 11:671-6, Nov 73
- Copulation in castrated male rats following combined treatment with estradiol and dihydrotestosterone. Baum MJ, et al. *Science* 182:283-5, 19 Oct 73
- Further studies on the ultrastructure of the pars distalis of castrated male mice pituitary. Gomez-Dumm CL, et al.
Virchows Arch [Zellpathol] 13:145-52, 25 Jun 73
- Deletion of cells by apoptosis during castration-induced involution of the rat prostate. Kerr JF, et al.
Virchows Arch [Zellpathol] 13:87-102, 25 Jun 73
- Effect of castration at birth on the ultrastructure of gonadotrophs in immature male rats. Chang N. *Zentralbl Veterinärmed [C]* 2:1-10, Mar 73
- [Chemically induced cancer of the uterine cervix in rats. Ultrastructure of early stages. Role of castration] Laffargue P, et al.
Bull Cancer (Paris) 59:315-30, Apr-Jun 72 (Eng. Abstr.) (Fre)
- [Chemical castration of animals] Lipatnikov VF. *Veterinariia* 9:82-3, Sep 72 (Rus)

ADVERSE EFFECTS

- Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Aitken JM, et al.
Br Med J 3:515-8, 8 Sep 73

VETERINARY

- Effect of castration or breed type on growth of the longissimus muscle in male cattle. LaFlamme LF, et al. *Growth* 37:249-56, Sep 73
- Castration of an Asian elephant, using etorphine

- anesthesia. Fowler ME, et al.
J Am Vet Med Assoc 163:539-43, 15 Sep 73
- Induced LH release in spayed cows. Short RE, et al.
J Anim Sci 37:551-7, Aug 73
- The complications of ovariectomy in the bitch. Pearson H. *J Small Anim Pract* 14:257-66, May 73

ESTRUS

- Reactivity of the uterine arteries in the rat during oestrus and pregnancy. Csépl J, et al.
Acta Chir Acad Sci Hung 14:153-64, 1973
- Cyclic variations in vaginal thermal conductance in ewes. Abrams RM, et al.
Am J Obstet Gynecol 117:480-2, 15 Oct 73
- Pituitary slalic acid concentration during the estrous cycle of rats. Vijayan E, et al.
Experientia 29:1145-6, 15 Sep 73
- Forebrain regulation of ovarian cycle in rats: evidence for a dual control. Dua-Sharma S, et al.
Indian J Physiol Pharmacol 17:17-29, Jan-Mar 73
- Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al.
J Endocrinol 58:377-85, Sep 73
- Changes in serum gonadotrophin levels, and in protein levels and in-vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. Haar MB ter, et al. *J Endocrinol* 58:563-76, Sep 73
- Cytochrome P-450 activity in sheep corpora lutea during the oestrous cycle. Simpson ER, et al.
J Endocrinol 58:493-501, Sep 73
- The effect of pre-mating stress on the onset of oestrus and on ovulation rate in Scottish Blackface ewes. Doney JM, et al. *J Reprod Fertil* 35:381-4, Nov 73
- Progesterone levels during the oestrous cycle and pregnancy in the culs, *Galea musteloides*. Tam WH. *J Reprod Fertil* 35:105-14, Oct 73
- Effects of antibodies to luteinizing hormone-releasing hormone in the male rabbit and on the rat oestrous cycle. Fraser HM, et al. *Nature* 244:160-1, 20 Jul 73
- Isometric contractions of isolated rat uterine muscle: relation to estrous cycle and pregnancy. Naftalin NJ, et al. *Proc Soc Exp Biol Med* 143:884-8, Sep 73
- Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al.
Proc Soc Exp Biol Med 143:948-53, Sep 73
- Proceedings: Peripheral blood levels of progesterone in pony mares during the oestrous cycle and early pregnancy. Allen WE, et al. *Vet Rec* 93:77, 21 Jul 73
- [Application of semestrial photoperiodism to *Microcebus murinus* (Miller 1777)] Petter-Rousseaux A.
Ann Biol Anim Biochim Biophys 12:367-75, 1972 (Eng. Abstr.) (Fre)
- [Histomorphological examination of involution of cystic bovine corpora lutea after the 21st day of the cycle] Horstmann G, et al.
Zentralbl Veterinärmed [C] 2:136-46, Jun 73 (Eng. Abstr.) (Ger)

DRUG EFFECTS

- Inhibition of estrus in the dog with testosterone implants. Simmons JG, et al.
Am J Vet Res 34:1409-19, Nov 73
- Route of progestagen administration to the ewe and spermicidal action in the vagina at the ensuing estrus. Hawk HW, et al. *J Anim Sci* 37:957-61, Oct 73
- Uterine contractions in the ewe during progestagen-regulated oestrus. Hawk HW, et al.
J Reprod Fertil 34:347-9, Aug 73
- Progesterone treatment of mares with abnormal oestrous cycles early in the breeding season. Niekerk CH van, et al. *J S Afr Vet Med Assoc* 44:37-45, Mar 73
- [Changes in the estrus cycle in experimental animals under the effect of trinitrotoluol] Geshtev G.

- Akush Ginekoi (Sofia) 12:206-9, 1973 (Eng. Abstr.) (Bul)
 [Reproduction capacity of breeding sows with a suckling time of 7 days, flushing feeding, and estrus synchronization using metballibur 33828] Gruber J, et al.
 Berl Munch Tierarztl Wochenschr 86:351-3, 15 Sep 73 (Eng. Abstr.) (Ger)
 [Optimal in cattle following estrus synchronization using chlormadinone acetate (CAP)] Stolla R, et al.
 Berl Munch Tierarztl Wochenschr 86:384-7, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Effect of phenol on the sexual cycle of animals in chronic inhalatory exposure] Kolesnikova TN.
 Gig Sanit 37:105-6, Oct 72 (Rus)

OVULATION

- Serum LH during ovulatory and anovulatory menstrual cycles in macaques. Mori J, et al.
 Acta Endocrinol (Kbh) 73:751-8, Aug 73
 Postovulatory endometrial development in women with I.U.D. Nicolaisen HH, et al.
 Acta Obstet Gynecol Scand 52:253-8, 1973
 Ovulatory plasma amine (epinephrine and norepinephrine) surge in the woman. Zuspan FP, et al.
 Am J Obstet Gynecol 117:654-61, 1 Nov 73
 Effect of varying the time of artificial insemination in relation to ovulation on conception and prenatal losses in the rabbit. O'Ferrall GJ.
 Biol Reprod 9:338-42, Nov 73
 The time factor in egg formation for hens exposed to ahemeral light-dark cycles. Melek O, et al.
 Br Poult Sci 14:493-8, Sep 73
 Utilization of the relaxed symphysis pubis of guinea pigs for clues to the mechanism of ovulation. Chihal HJ, et al. Endocrinology 93:1441-5, Dec 73
 Monkey ovarian contractility-its relationship to ovulation. Virutamasen P, et al.
 Fertil Steril 24:763-71, Oct 73
 Influence of one-day or conventional flushing on ovulation rate and litter size at 28 days gestation in gilts. Moore CP, et al. J Anim Sci 37:734-8, Sep 73
 Transuterine migration and embryo survival in sheep. Doney JM, et al. J Reprod Fertil 34:363-7, Aug 73
 The effect of pre-mating stress on the onset of oestrus and on ovulation rate in Scottish Blackface ewes. Doney JM, et al. J Reprod Fertil 35:381-4, Nov 73
 Grouping and ovulation in *Microtus pennsylvanicus*. Pasley JN, et al. J Reprod Fertil 34:527-30, Sep 73
 Compensatory ovulation in blinded rats and/or those from which the olfactory bulb had been removed. Peppler RD, et al. J Reprod Fertil 34:501-6, Sep 73
 Letter: Evidence for the theory of dual hypothalamic control of ovulation. Zolovick A, et al.
 Nature 245:158-9, 21 Sep 73
 Stress induced delay of ovulation. Peyser MR, et al. Obstet Gynecol 42:667-71, Nov 73
 Plasma iron turnover and egg production in hens. Recio JM, et al. Rev Esp Fisiol 29:65-8, Mar 73
 The effect of lactation on the length of the post partum anovulatory period: an application of a bivariate stochastic model. Ginsberg RB.
 Theor Popul Biol 4:276-99, Sep 73
 Proceedings: Radioimmunoassay of luteinizing hormone and progesterone during the ovulatory cycle of the hen *Gallus domesticus*. Bonney RC, et al.
 Vet Rec 93:76-7, 21 Jul 73
 Proceedings: Progesterone, 17 beta oestradiol and LH in relation to ovulation in cows. Dobson H, et al.
 Vet Rec 93:76, 21 Jul 73
 [Active sportswomen and gynaecological problems] Louda B. Cesk Gynecol 38:546-7, Jul 73 (Cze)
 [The relationship between evening body temperature and ovarian function (author's transl)] Bregulla K, et al.
 Geburtshilfe Frauenheilkd 33:636-9, Aug 73 (Eng. Abstr.) (Ger)
 [Change in the nitrogen content of extractable substances in the liver and gonads of Baltic cod in relation to processes of ova- and spermatogenesis] Masiennikova NV. Biol Nauki 10:43-7, 1973 (Rus)

DRUG EFFECTS

- "Triggering" of ovulation after infusion of synthetic luteinizing hormone releasing factor (LRF). Nakano R, et al. Acta Obstet Gynecol Scand 52:269-72, 1973
 Effect of an anti-PMS serum on ovulation and estrogen

- secretion in the PMS-treated hamster. Greenwald GS. Biol Reprod 9:437-46, Nov 73
 Induction of ovulation with clomiphene citrate. Kase N. Clin Obstet Gynecol 16:192-200, Sep 73
 Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. Bettendorf G, et al. Endocrinol Exp (Bratisl) 7:215-20, Sep 73
 Ovulating and LH-releasing activity of a highly potent analog of synthetic gonadotropin-releasing hormone. Rippeel RH, et al. Endocrinology 93:1449-52, Dec 73
 Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA.
 J Am Osteopath Assoc 73:35-8, Sep 73
 The induction of ovulation by tamoxifen. Williamson JG, et al.
 J Obstet Gynaecol Br Commonw 80:844-7, Sep 73
 Plasma hormone levels in beef cows with induced multiple ovulations. Henricks DM, et al.
 J Reprod Fertil 35:225-33, Nov 73
 Stimulatory effect of L-vasopressin on PMSG-induced ovulation in immature rats. Lastra M de la, et al.
 J Reprod Fertil 35:1-6, Oct 73
 Influence of the tripeptide, PRO-ARG-GLY-(NH₂), on ovulation induced with LH or synthetic LH-FSH releasing hormone in chlorpromazine-treated pro-oestrous rats. Lastra M de la, et al.
 J Reprod Fertil 34:531-4, Sep 73
 Sex and strain involvement in pheromonal facilitation of gonadotrophin-induced ovulation in the mouse. Zarrow MX, et al. J Reprod Fertil 35:81-7, Oct 73
 Letter: Suppression of the cyclic surge of luteinizing hormone secretion and of ovulation in the rat by delta 1-tetrahydrocannabinol. Nir I, et al.
 Nature 243:470-1, 22 Jun 73
 Fertility inducing agents: introduction. Ballin H, et al. Semin Drug Treat 3:157-8, Autumn 73
 Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women. Turksoy RN.
 Semin Drug Treat 3:177-88, Autumn 73
 [The acute feedback action of exogenously administered oestrogens on the serum-gonadotrophin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al.
 Arch Gynaecol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)
 [Depression and libido-changes during the normal cycle, pregnancy and under the effect of oral contraceptives] Bánki M, et al.
 Orv Hetil 114:2841-3, 25 Nov 73 (Hun)

PUBERTY

- Conditions in adolescents who were borderline psychotics as children. Three cases illustrating diagnostic and therapeutic problems. Aarkrog T. Acta Psychiatr Scand 49:377-85, 1973
 In vitro culture of bovine embryos. McKenzie BE, et al. Am J Vet Res 34:1271-5, Oct 73
 Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spillman CH, et al. Biol Reprod 9:116-24, Sep 73
 Changes in protein content and in vivo incorporation of (35S)methionine into protein of discrete brain areas of the rat over puberty: sexual differences. Haar MB ter, et al. Brain Res 60:209-18, 28 Sep 73
 The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG. Endocrinol Exp (Bratisl) 7:193-201, Sep 73
 Inhibitory action of neonatal androgenization on the incorporation of (3H)-lysine in specific hypothalamic nuclei of the adult female rat. Litteria M.
 Exp Neurol 41:395-401, Nov 73
 Maintenance of pregnancy in prepuberal gilts. Ellicott AR, et al. J Anim Sci 37:971-3, Oct 73
 Influence of dietary amino acids on the age at puberty of Yorkshire gilts. Friend DW.
 J Anim Sci 37:701-7, Sep 73
 Maintenance of corpora lutea in prepuberal gilts. Segal DH, et al. J Anim Sci 37:762-7, Sep 73
 Effect of synthetic luteinizing hormone-releasing factor on serum testosterone and gonadotropins in prepubertal, pubertal and adult males. Roth JC, et al. J Clin Endocrinol Metab 37:680-6, Nov 73
 Development of the mechanisms involved in the facilitatory and inhibitory effects of ovarian steroids on the release of follicle-stimulating hormone in the

- immature rat. Calligaris L, et al.
J Endocrinol 58:547-54, Sep 73
- Conversion of (4-14C)5 alpha-pregnane-3, 20-dione to 5 alpha-C19-steroids by the prepubertal rat testis.
 Richards G, et al. *J Endocrinol* 59:185-6, Oct 73
- The ovary of the giraffe, *Giraffa camelopardalis*.
 Kayanja FI, et al. *J Reprod Fertil* 34:305-13, Aug 73
- Letter: Venous testosterone levels. Fairman C.
Lancet 2:861, 13 Oct 73
- Letter: Testicular feminisation and inguinal hernia.
 Punnett HH, et al. *Lancet* 2:852, 13 Oct 73
- Growth, development and fitness of the Canadian Eskimo. Rode A, et al. *Med Sci Sports* 5:161-9, Fall 73
- Letter: Odour-blindness to musk: simple recessive inheritance. Whissell-Buechy D, et al.
Nature 245:157-8, 21 Sep 73
- Radiolodine uptake values in euthyroid, non-goitrous, prepubertal children in Greece. Anousakis C, et al.
Nucl Med (Stuttg) 12:14-25, 31 May 73
- The approach to the adolescent patient. Hammar SL.
Pediatr Clin North Am 20:779-88, Nov 73
- Growth and development in adolescence. Kogut MD.
Pediatr Clin North Am 20:789-806, Nov 73 (111 ref.)
- Plasma estrogens in childhood and puberty under physiologic and pathologic conditions. Bidlingmayer F, et al. *Pediatr Res* 7:901-7, Nov 73
- Pituitary-gonadal relations in female children and adolescents. Winter JS, et al.
Pediatr Res 7:948-53, Dec 73
- [The psychodynamics of anorexia nervosa] Robbertze JH.
S Afr Med J 47:1544-50, 1 Sep 73 (Eng. Abstr.) (Afr)
- [Observations on reproduction in wild swine (*Sus scrofa* L.)] Mauget R.
Ann Biol Anim Biochim Biophys 12:195-202, 1972 (Eng. Abstr.) (Fre)
- [The year in endocrinology] Albeaux-Fernet M, et al.
Annee Endocrinol 24:1-197, 1972 (9 ref.) (Fre)
- [Determination of urinary testosterone in man: a comparison between two methods using gas phase chromatography and competitive protein binding analysis respectively (author's transl)] Littmann KP, et al. *Z Klin Chem Klin Biochem* 11:371-5, Sep 73 (Ger)
- [Delayed puberty and hypogonadism in boys] Aarskog D.
Tidsskr Nor Laegeforen 93:1012-7, 20 May 73 (Eng. Abstr.) (Nor)
- [Psychological reactions to delayed or premature sexual maturity] Lavik NJ.
Tidsskr Nor Laegeforen 93:1021-4, 20 May 73 (24 ref.) (Eng. Abstr.) (Nor)
- [Physical maturation--psychic maturation] Magnussen F.
Tidsskr Nor Laegeforen 93:995-9, 20 May 73 (17 ref.) (Eng. Abstr.) (Nor)
- [Puberty psychoses--reality of myth?] Magnussen F.
Tidsskr Nor Laegeforen 93:1036-40, 20 May 73 (22 ref.) (Eng. Abstr.) (Nor)
- [Physical work capacity in puberty. Physiological capacity, sex differences and possibilities of influence] Oseld S.
Tidsskr Nor Laegeforen 93:1007-11, 20 May 73 (Eng. Abstr.) (Nor)
- [Drug addiction and drug abuse in adolescence] Waal H.
Tidsskr Nor Laegeforen 93:1047-52, 20 May 73 (Eng. Abstr.) (Nor)
- [Clinical aspects and treatment of pubertal-adolescent dyspituitarism] Egart FM, et al.
Klin Med (Mosk) 51:117-23, Aug 73 (Eng. Abstr.) (Rus)
- [Functional condition of the stomach and pancreas in healthy children in puberty] Kulik NN, et al.
Pediatrila 51:75-6, May 73 (Rus)
- [Somatic development during puberty] Hortling H.
Tidsskr Nor Laegeforen 93:989-94, 20 May 73 (Swe)

DRUG EFFECTS

- Chorionic gonadotrophin in male growth-retarded adolescent asthmatic patients. Sanders S, et al.
Practitioner 210:690-2, May 73

SEX CHROMATIN

- Premature ovarian failure. Starup J, et al.
Acta Obstet Gynecol Scand 52:259-68, 1973
- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H.
Acta Obstet Gynecol Scand [Suppl] 1-78, 1973

- Isochromosome X. Clinical and psychological findings. Senzer N, et al. *Am J Dis Child* 128:312-6, Sep 73
- Isochromosome Y (46,X,i(Yq)) and female phenotype. Böök JA, et al. *Clin Genet* 4:410-4, 1973
- A ring chromosome, diagnosed by quinacrine fluorescence as No. 9, in a mentally retarded girl. Jacobsen P, et al. *Clin Genet* 4:434-41, 1973
- Pure gonadal dysgenesis; clinical and genetic studies. Boczkowski K. *Mater Med Pol* 5:197-202, Jul-Sep 73
- Absence of Y-body in the cervical mucus of pregnant women. Tsuji K, et al. *Nature* 243:539, 29 Jun 73
- [Preliminary report on sex determination by sex chromatin of trophocytes during early pregnancy] Chin Med J 9:521-4, 1973 (Eng. Abstr.) (Chi)
- [Relation between radiation dose, formation of free radicals and creation of chromosome aberrations in lymphocytes] Grillmaier RE.
Ann Univ Sarav [Med] 20:1-89, 1973 (Ger)
- [Sex or Barr chromatin in the duck (*Anas platyrhynchos*) and pigeon (*Columba livia*)] Culzoni V, et al.
Zentralbl Veterinärmed [C] 2:54-60, Mar 73 (Eng. Abstr.) (Ger)
- [Tumors and the absence of Y chromosomes and Y chromatin in solid tumors in males] Vass L, et al.
Orv Hetil 114:2770-4, 18 Nov 73 (Hun)
- [The role of heredity in Parkinson's disease] Atadzhanov M.
Zh Nevropatol Psikhiatr 73:195-9, 1973 (Eng. Abstr.) (Rus)

ANALYSIS

- X chromosomal anomalies in the newborn. Dougherty CM, et al. *Acta Cytol (Baltimore)* 17:423-4, Sep-Oct 73
- Monosomy of chromosome No. 22. A case report. DeCicco F, et al. *J Pediatr* 83:836-8, Nov 73
- Mixed gonadal dysgenesis. Davidoff F, et al.
Pediatrics 52:725-42, Nov 73
- Gonadal dysgenesis: the XY variant. Mattox JH.
South Med J 66:839-40, Jul 73
- [Chromosomes and male sterility] Koullascher L, et al.
Schweiz Med Wochenschr 103:1269-77, 15 Sep 73 (Eng. Abstr.) (Fre)
- [Stein-Leventhal syndrome in the light of genetic studies] Ostrzeński A.
Pol Tyg Lek 28:1260-1, 13 Aug 73 (Eng. Abstr.) (Pol)
- [Analysis of the results of treatment of cancer of the breast under the control of the "sex chromatin" test] Ganina KP, et al. *Klin Khir* 1:29-34, Jan 73 (Rus)
- [Clinical aspects and diagnosis of certain forms of primary amenorrhoea] Tonkov AA.
Sov Med 35:149-51, Jun 72 (Rus)
- [Sex chromatin in physiological and pathological aging] Voitenko VP.
Vrach Delo 7:47-9, Jul 73 (Eng. Abstr.) (Rus)

SEX CHROMOSOMES

- Studies on bone marrow transplantation in experimental 32P-induced aplastic anemia after conditioning with antilymphocyte serum. Speck B, et al. *Acta Haematol (Basel)* 50:193-9, Oct 73
- Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Kallio H.
Acta Obstet Gynecol Scand [Suppl] 1-78, 1973
- Genetics and physiology of colour vision ("my story on colour vision genetics and physiology"). Waaler GH.
Acta Ophthalmol [Suppl] (Kbh) 1-75, 1973
- X-chromosome banding in Noonan syndrome. Barlow MJ Jr, et al. *Am J Dis Child* 128:656-7, Nov 73
- Total body irradiation and human chromosomes. 3. Cytogenetic studies in patients with malignant hematologic diseases treated with total-body irradiation. Goh KO. *Am J Med Sci* 266:179-86, Sep 73
- Red cell glucose-6-phosphate dehydrogenase deficiency in Finland. Vuopio P, et al.
Ann Clin Res 5:168-73, Jun 73
- A "Philadelphia-like" chromosome derived from the Y in a patient with refractory dysplastic anemia. Warburton D, et al. *Blood* 42:799-804, Nov 73
- Hereditary sex-linked retinoschisis. Brodrick JD, et al.
Br J Ophthalmol 57:551-9, Aug 73
- The control of chiasma distribution in the locust, *Schistocerca gregaria* (Forsk.). Fox DP.
Chromosoma 43:289-328, 27 Aug 73
- Frequency and morphology of the Y-body in patients with female or ambisexual phenotype. Schwinger E, et al. *Clin Genet* 4:447-9, 1973
- An (X;14) translocation, balanced, 46 chromosomes.

- Repository identification No. GM-73. Opitz J, et al. *Cytogenet Cell Genet* 12:289-90, 1973
- An (X;14) translocation, unbalanced, 47 chromosomes. Repository identification No. GM-74. Opitz J, et al. *Cytogenet Cell Genet* 12:291-2, 1973
- XXX chromosome complement in a patient with nodulocystic acne. Soslis AC, et al. *Dermatologica* 146:222-8, 1973
- A new differential technique for staining the heteropycnotic X-chromosome in female mice. Kanda N. *Exp Cell Res* 80:463-7, Aug 73
- Communications and commentaries: A 46,XYq- male with aspermia. Neu RL, et al. *Fertil Steril* 24:811-3, Oct 73
- Assignment of three gene loci (PGK, HGPRT, G6PD) to the long arm of the human X chromosome by somatic cell genetics. Ricciuti FC, et al. *Genetics* 74:661-78, Aug 73
- Risk of recurrence and carrier frequency for X-linked lethal recessives. Chase GA, et al. *Hum Hered* 23:19-26, 1973
- Development of increased cytoplasmic hindering of androgen in the submandibular gland of the mouse with testicular feminization. Dunn JF, et al. *J Biol Chem* 248:7819-25, 25 Nov 73
- Interrelationships and sex differences of dental and skeletal measurements. Anderson DL, et al. *J Comp Neurol* 52:431-8, May-Jun 73
- Mosaic cell lines, or leucocyte culturing anomalies? Keeler C. *J Hered* 64:167-8, May-Jun 73
- Analysis of the first cleavage division to determine the sex-ratio and incidence of chromosome anomalies at conception in the mouse. Kaufman MH. *J Reprod Fertil* 35:67-72, Oct 73
- Studies on meiotic chromosomes in infertile men and controls with normal karyotypes. Skakkehaek NE, et al. *J Reprod Fertil* 35:23-36, Oct 73
- Y to X translocation in a woman with reproductive failure. A new rearrangement. Khudr G, et al. *JAMA* 226:544-9, 29 Oct 73
- Dermatoglyphics of Mexican woman, 46,X,t(X,Y). Mavalwala J. *JAMA* 226:559-60, 29 Oct 73
- Letter: R-handing of the Y chromosome: base sequence, strandedness, repetitiveness, and protein association of D.N.A. Bühler EM, et al. *Lancet* 2:1095, 10 Nov 73
- Pure gonadal dysgenesis; clinical and genetic studies. Boczkowski K. *Mater Med Pol* 5:197-202, Jul-Sep 73
- The influence of the nucleolar organizer region on sperm utilization in *Drosophila melanogaster*. Olivieri G, et al. *Mol Gen Genet* 124:51-6, 31 Jul 73
- Triazines, a new group of indirect mutagens. Comparative investigations of the genetic effects of different Aryldialkyltriazines using *Saccharomyces cerevisiae*, the host-mediated assay, *Drosophila melanogaster*, and human chromosomes in vitro. Vogel E, et al. *Mutat Res* 21:123-36, Jun 73
- The nature of reverse mutations in *Drosophila melanogaster*. Voss R, et al. *Mutat Res* 20:221-34, Nov 73
- Hypothesis on differentiation and the inheritance of gene superstructure. Cook PR. *Nature* 245:23-5, 7 Sep 73
- Why is the XX fitter? Evidence consistent with an effect of X-heterosis in the human female from sex ratio data in offspring of first cousin marriages. Hook EB, et al. *Nature* 244:570-3, 31 Aug 73
- Letter: Why is the XX fitter? Evidence consistent with an effect of X-heterosis in women from sex ratio data in offspring of first cousin marriages. Hook EB, et al. *Nature* 244:43-6, 6 Jul 73
- Letter: Sex-associated differential fluorescence of mudminnow chromosomes and spermatozoa. Howell WM, et al. *Nature* 245:261-3, 5 Oct 73
- Ancient linkage groups and frozen accidents. Ono S. *Nature* 244:259-62, 3 Aug 73
- Continued expression of H-Y antigen on male lymphoid cells resident in female (chimaeric) mice. Wachtel SS, et al. *Nature* 244:102-3, 13 Jul 73
- A white hermaphrodite in South Africa. Grace HJ, et al. *S Afr Med J* 47:1553-4, 1 Sep 73
- Parthenogenesis in birds. Astaurov BL, et al. *Sov J Dev Biol* 3:95-111, Mar-Apr 72 (85 ref.)
- [Microtubule distribution in metaphase and anaphase spindles of the spermatocytes of *Pales ferruginea*. A quantitative analysis of serial cross-sections (author's transl.) Fuge H. *Chromosoma* 43:109-43, 10 Aug 73 (Eng. Abstr.) (Ger)]
- [Streptomycin-induced formation of 70-S monosomes

- and oligomers in *Chlamydomonas reinhardtii*] Boschetti A, et al. *FEBS Lett* 37:59-63, 15 Nov 73 (Ger)
- [Differences between mother-child and father-child correlations of the dermatoglyphics in man (author's transl.) Knubmann R. *Humangenetik* 19:145-54, 20 Jul 73 (Eng. Abstr.) (Ger)]
- [Mutagenicity and toxicity tests with captan in *Drosophila* (author's transl.) Mollet P. *Mutat Res* 21:137-48, Jun 73 (Eng. Abstr.) (Ger)]
- [Tumors and the absence of Y chromosomes and Y chromatin in solid tumors in males] Vass L, et al. *Orv Hetil* 114:2770-4, 18 Nov 73 (Hun)

ANALYSIS

- Fluorescence banding pattern of the chromosomes of *Microtus agrestis* with a benzimidazole derivative. Seth PK, et al. *Humangenetik* 19:129-34, 20 Jul 73

DRUG EFFECTS

- Oxidative activation of henz(a)anthracene and methylated derivatives in mutagenesis and carcinogenesis. Fahmy OG, et al. *Cancer Res* 33:2354-61, Oct 73
- Clonal variants of constitutive heterochromatin of human fibroblasts after recovery from mitomycin treatment. Hoehn H, et al. *Chromosoma* 43:203-10, 10 Aug 73
- Enhancement of ethylemethane sulfonate-induced frequency in *Drosophila* by dimethyl sulphoxide. Sharma B, et al. *Experientia* 29:1029-30, 15 Aug 73
- Screening of drugs for genetic effects. Reddi OS, et al. *Indian J Med Res* 61:926-35, Jun 73
- Induced discontinuous lesions in the X-chromosome of *Drosophila*. Falk R. *Mutat Res* 20:287-90, Nov 73
- Mutagenicity tests with captan and folpet in *Drosophila melanogaster*. Kramers PG, et al. *Mutat Res* 21:149-54, Jun 73
- Mutagen sensitivity of *Drosophila melanogaster*. I. Isolation and preliminary characterization of a methyl methanesulphonate-sensitive strain. Smith PD. *Mutat Res* 20:215-20, Nov 73

METABOLISM

- Serum esterase genetics in rats: two new alleles at Es-2, a new esterase regulated by hormonal factors, and linkage of these loci to the Ag-C blood group locus. Gasser DL, et al. *Biochem Genet* 10:207-17, Nov 73

RADIATION EFFECTS

- Distribution along X-chromosome of recessive lethals induced by direct and indirect X-radiation effect in *Drosophila*. Ondřej M. *Folia Biol (Praha)* 19:301-4, 1973
- Induced discontinuous lesions in the X-chromosome of *Drosophila*. Falk R. *Mutat Res* 20:287-90, Nov 73

SEX DETERMINATION

- Incontinentia pigmenti: a systemic genodermatosis with striking cutaneous findings. Gurevitch AW, et al. *Clin Pediatr (Phila)* 12:396-401, Jul 73
- Absence of Y-body in the cervical mucus of pregnant women. Tsuji K, et al. *Nature* 243:539, 29 Jun 73
- Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (85 ref.)
- Parthenogenesis in birds. Astaurov BL, et al. *Sov J Dev Biol* 3:95-111, Mar-Apr 72 (85 ref.)
- [Preliminary report on sex determination by sex chromatin of trophocytes during early pregnancy] Chin Med J 9:521-4, 1973 (Eng. Abstr.) (Chi)
- [Are there differences in the sex differentiation of the hypothalamus between primates and rodents?] Presl J. *Cesk Gynekol* 38:550-1, Jul 73 (Cze)
- [Growth of the calf fetus of single or multiple pregnancies during the period of sexual differentiation (42-70 days)] Prépin J, et al. *Ann Biol Anim Biochim Biophys* 12:545-58, 1972 (Eng. Abstr.) (Fre)

SEX REVERSAL, GONADAL

- Gonorrhoea and condyloma acuminata in a male transsexual. Flumara NJ, et al. *Br J Vener Dis* 49:478-9, Oct 73
- Mixed gonadal dysgenesis. Davidoff F, et al. *Pediatrics* 52:725-42, Nov 73

PLACENTA

1. Physical and Functional Aspects

PLACENTA

ANALYSIS

- In vitro conversion of (4-14C) dehydroepiandrosterone and androstenedione to oestrogens by the microsomes of placentas from normal, toxæmic, diabetic and postmature pregnancies. Lehmann WD, et al. *Acta Endocrinol (Kbh)* 73:771-89, Aug 73
- Histochemical studies of fibrinoid, mucopolysaccharides and chorionic gonadotrophin in the normal and pathologic human placenta. Tóth F, et al. *Acta Morphol Acad Sci Hung* 21:89-104, 1973
- Vitamin A-induced anomalies in young rat embryos. Geelen JA. *Acta Morphol Neerl Scand* 11:233-40, Oct 73
- Satellite sequences in chimpanzee (Pan troglodytes). Prosser J, et al. *Biochim Biophys Acta* 319:122-34, 24 Aug 73
- The chemistry of growth hormone and the lactogenic hormones. Niall HD, et al. *Recent Prog Horm Res* 29:387-416, 1973 (43 ref.)
- [5-Hydroxytryptamine (5-HP) level in human placenta in the last week of pregnancy] Sward J. *Wlad Lek* 28:1607-10, 1 Sep 73 (Eng. Abstr.) (Pol)

ENZYMOLGY

- Isoenzymes of lactic dehydrogenase from human placenta. Filc-Bauer A. *Arch Immunol Ther Exp (Warsz)* 21:599-614, 1973
- Human chorionic gonadotropin-mediated glycogenolysis in human placental villi: a role of prostaglandins. Demers LM, et al. *Biochim Biophys Acta* 313:202-10, 20 Jun 73
- On the relation of heavy metals to the activity and heat stability of alkaline phosphatase from human placenta. Hindriks FR, et al. *Biochim Biophys Acta* 315:94-102, 5 Jul 73
- Placental metabolism in relation to toxicology. Juchau MR. *CRC Crit Rev Toxicol* 2:125-58, Sep 73 (163 ref.)
- II. Enhancement of the catalytic activity of the human placental 17 beta-oestradiol dehydrogenase by carboxymethylation of an histidyl residue of the active site. Boussiloux AM, et al. *FEBS Lett* 36:27-30, 1 Oct 73
- I. Affinity labelling of an histidine of the active site of the human placental 17 beta-oestradiol dehydrogenase. Pons M, et al. *FEBS Lett* 36:23-6, 1 Oct 73
- Antibodies to rat brain choline acetyltransferase: species and organ specificity. Rossier J, et al. *FEBS Lett* 36:43-8, 1 Oct 73
- The squalene epoxidase-cyclase activity of human term placenta. Tahacik C, et al. *FEBS Lett* 34:238-42, 15 Aug 73
- The influence of pbenazine methosulphate on the histochemical demonstration of steroid dehydrogenases. Schmidt W, et al. *Folia Morphol (Praha)* 21:172-4, 1973
- Expression of human red cell acid phosphatase activity in placenta and other tissues. Blake NM, et al. *Jap J Hum Genet* 18:10-23, Jun 73
- Editorial: Fetoplacental function tests. *Lancet* 2:947-8, 27 Oct 73
- Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. *Obstet Gynecol* 42:718-24, Nov 73
- Structural comparison of ectopic and normal placental

- alkaline phosphatase. Greene PJ, et al. *Proc Natl Acad Sci USA* 70:2936-40, Oct 73
- Purification of estradiol-17 beta dehydrogenase from human placenta by affinity chromatography. Chin C, et al. *Steroids* 22:373-8, Sep 73
- Subcellular localization of human placental aryl hydrocarbon hydroxylase. Juchau MR, et al. *Toxicol Appl Pharmacol* 26:163-79, Oct 73
- [Enzymes of the glyoxylase system in placenta samples from normal pregnancy] Matuszewski W, et al. *Ginekol Pol* 44:875-8, Aug 73 (Eng. Abstr.) (Pol)
- [Glucose-6-phosphate dehydrogenase activity in the human placenta at the end of pregnancy and during normal, atonic and postponed labor] Bogolavlenskaja NV, et al. *Vopr Okhr Materin Det* 18:68-72, Jun 73 (Eng. Abstr.) (Rus)

METABOLISM

- Umbilical blood flow, cardiac output, and organ blood flow in the immature baboon fetus. Paton JB, et al. *Am J Obstet Gynecol* 117:560-6, 15 Oct 73
- Human chorionic gonadotropin-mediated glycogenolysis in human placental villi: a role of prostaglandins. Demers LM, et al. *Biochim Biophys Acta* 313:202-10, 20 Jun 73
- Placental metabolism in relation to toxicology. Juchau MR. *CRC Crit Rev Toxicol* 2:125-58, Sep 73 (163 ref.)
- Placental transfer of glucagon in sheep. Sperling MA, et al. *Endocrinology* 93:1435-8, Dec 73
- Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. Ling W, et al. *J Endocrinol* 58:463-75, Sep 73
- Thyroid function in the foetal lamb during the last third of gestation. Nathanielsz PW, et al. *J Endocrinol* 58:535-46, Sep 73
- Fetoplacental contribution to the maternal corticosteroid pool in Long-Evans rats. Petropoulos EA, et al. *J Endocrinol* 59:183-4, Oct 73
- Morphine-induced fetal malformations. 3. Possible mechanisms of action. Arcuri PA, et al. *J Pharm Sci* 62:1626-34, Oct 73
- Lack of squalene and lanosterol synthesis by the perfused human placenta at term. Leusden HA van, et al. *J Steroid Biochem* 4:349-54, Jul 73
- Anaerobic, glycogen-dependent transport of amino acids by the placenta. Longo LD, et al. *Nature* 243:531-3, 29 Jun 73
- Changes in the composition and structure of glycosaminoglycans in the human placenta during development. Lee TY, et al. *Pediatr Res* 7:965-77, Dec 73
- [Role of maternal adrenal glands in production of estrogens in the pregnant sow] Fèvre J, et al. *Ann Biol Anim Biochim Biophys* 12:559-67, 1972 (Eng. Abstr.) (Fre)
- [Pharmacokinetics, drug availability and clinical pharmacology of bromhexine] Renövanz HD. *Wien Klin Wochenschr* 123:Suppl 7:1-8, 15 Sep 73 (Ger)

PHYSIOLOGY

- The mechanism of initiation of parturition in the ewe. Liggins GC, et al. *Recent Prog Horm Res* 29:111-59, 1973
- [Monitoring of pregnancies by hormone assays, the value of HPL estimations (author's transl)] Gitach E,

PLACENTA

PLACENTA

et al.
Wien Klin Wochenschr 85:585-8, 7 Sep 73 (Eng. Abstr.)
(Ger)

PLACENTA

II. Disorders of the Placenta

CHORIOADENOMA

DRUG THERAPY

[Treatment of choriocarcinoma and chorioadenoma destruens with high dosage chemotherapy]
Chin Med J 2:101-9, 1973 (Eng. Abstr.) (Chi)

MORTALITY

Invasive mole and gestational choriocarcinoma in Denmark, 1940-1969. Biological and clinical aspects. Mogensen B.
Acta Obstet Gynecol Scand 52:211-20, 1973

OCCURRENCE

Invasive mole and gestational choriocarcinoma in Denmark, 1940-1969. Biological and clinical aspects. Mogensen B.
Acta Obstet Gynecol Scand 52:211-20, 1973

THERAPY

Invasive mole and gestational choriocarcinoma in Denmark, 1940-1969. Biological and clinical aspects. Mogensen B.
Acta Obstet Gynecol Scand 52:211-20, 1973

CHORIOCARCINOMA

BLOOD

Immunologic and physical characterization of human chorionic gonadotropin (hCG) secreted by tumors. Valtukaltis JL.
J Clin Endocrinol Metab 37:505-14, Oct 73

DIAGNOSIS

Cytodiagnosis of HCG-secreting choriocarcinoma of the stomach. Report of a case. Uel Y, et al.
Acta Cytol (Baltimore) 17:431-4, Sep-Oct 73
[Value of chorionic gonadotropin determination by means of serologic technics in the diagnosis and treatment of chorionepithelioma] Wawryk R, et al.
Ginek Pol 44:1057-65, 1973 (Eng. Abstr.) (Pol)

DRUG THERAPY

Immunological aspects of trophoblastic neoplasia. Bagshawe KD. *Br J Cancer* 250-3, Aug 73
Advanced cancer: New concepts of medical therapy. Geriatrics 28:51-72, Nov 73
Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73
Actinomycin D stimulation of HCG production by human choriocarcinoma. Hussa RO, et al.
Obstet Gynecol 42:651-7, Nov 73
[Treatment of choriocarcinoma and chorioadenoma destruens with high dosage chemotherapy]
Chin Med J 2:101-9, 1973 (Eng. Abstr.) (Chi)
[Value of chorionic gonadotropin determination by means of serologic technics in the diagnosis and treatment of chorionepithelioma] Wawryk R, et al.
Ginek Pol 44:1057-65, 1973 (Eng. Abstr.) (Pol)

IMMUNOLOGY

Immunological aspects of trophoblastic neoplasia. Bagshawe KD. *Br J Cancer* 250-3, Aug 73
HL-A antigens and malignant disease. Lawler SD.
Br J Cancer 243-9, Aug 73

METABOLISM

Computer evaluation of gas chromatographic-mass spectrometric analyses of steroids from biological materials. Reimendal R, et al.
Anal Chem 46:1083-9, Jun 73

Actinomycin D stimulation of HCG production by human choriocarcinoma. Hussa RO, et al.
Obstet Gynecol 42:651-7, Nov 73

MORTALITY

Invasive mole and gestational choriocarcinoma in Denmark, 1940-1969. Biological and clinical aspects. Mogensen B.
Acta Obstet Gynecol Scand 52:211-20, 1973
Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73

OCCURRENCE

Invasive mole and gestational choriocarcinoma in Denmark, 1940-1969. Biological and clinical aspects. Mogensen B.
Acta Obstet Gynecol Scand 52:211-20, 1973

PATHOLOGY

Cytodiagnosis of HCG-secreting choriocarcinoma of the stomach. Report of a case. Uel Y, et al.
Acta Cytol (Baltimore) 17:431-4, Sep-Oct 73
Cellular reaction in trophoblastic tumours. Elston CW, et al. *Br J Cancer* 28:245-56, Sep 73
[Histochemical findings in trophoblast tumors] Ruckhäberle KE, et al.
Zentralbl Gynaekol 95:897-903, 6 Jul 73 (Ger)
[Chorioepithelioma metastasizing to the lung diagnosed by needle biopsy] Westfal I, et al.
Pol Tyg Lek 28:1279-80, 13 Aug 73 (Eng. Abstr.) (Pol)

RADIOTHERAPY

Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73

REHABILITATION

[On work incapacity of patients with chorionepithelioma and destructive mole (author's transl)] Slot E. *Cesk Gynecol* 38:497-8, Jul 73 (Cze)

SURGERY

Testicular tumors: 40 years' experience. Culp DA, et al.
J Urol 110:548-53, Nov 73

THERAPY

Invasive mole and gestational choriocarcinoma in Denmark, 1940-1969. Biological and clinical aspects. Mogensen B.
Acta Obstet Gynecol Scand 52:211-20, 1973

URINE

Immunologic and physical characterization of human chorionic gonadotropin (hCG) secreted by tumors. Valtukaltis JL.
J Clin Endocrinol Metab 37:505-14, Oct 73
[Value of chorionic gonadotropin determination by means of serologic technics in the diagnosis and treatment of chorionepithelioma] Wawryk R, et al.
Ginek Pol 44:1057-65, 1973 (Eng. Abstr.) (Pol)

HYDATIDIFORM MOLE

COMPLICATIONS

Hydatidiform mole: problems in early diagnosis. Yusof K. *Med J Malaysia* 27:275-9, Jun 73
Hydatidiform mole with overt hyperthyroidism. Case report. Naidoo PM, et al.
S Afr Med J 47:1957-8, 20 Oct 73

DIAGNOSIS

- Hydatidiform mole: problems in early diagnosis. Yusof K. *Med J Malaysia* 27:275-9, Jun 73
- Placental localization and diagnosis of antenatal hemorrhage by ultrasonography. Tuter G, et al. *Obstet Gynecol* 42:684-8, Nov 73
- The expanding role of diagnostic ultrasound in obstetrics and gynecology. Walton PD, et al. *Surg Gynecol Obstet* 137:753-7, Nov 73

METABOLISM

- Histochemical studies of fibrinoid, mucopolysaccharides and chorionic gonadotrophin in the normal and pathologic human placenta. Tóth F, et al. *Acta Morphol Acad Sci Hung* 21:89-104, 1973

PATHOLOGY

- Cellular reaction in trophoblastic tumours. Elston CW, et al. *Br J Cancer* 28:245-56, Sep 73
- [Histochemical findings in trophoblast tumors] Ruckhäberle KE, et al.
- Zentralbl Gynaekol* 95:897-903, 6 Jul 73 (Ger)

REHABILITATION

- [On work incapacity of patients with chorionepithelioma and destructive mole (author's transl)] Slot E. *Cesk Gynecol* 38:497-8, Jul 73 (Cze)

SURGERY

- Hydatidiform mole with overt hyperthyroidism. Case report. Naidoo PM, et al.
- S Afr Med J* 47:1957-8, 20 Oct 73

PLACENTA DISORDERS

- Changes of embryonic wastage during pregnancy in rats fed low and high energy diets. Salto M, et al. *J Nutr* 103:1652-7, Dec 73
- Letter: Social disadvantage. Chamberlain R. *Lancet* 2:1037-8, 3 Nov 73

BLOOD

- [Serial estimation of rare essential elements during normal and abnormal pregnancy (a contribution to the diagnosis of placental insufficiency) (author's transl)] Thieme R, et al.
- Geburtshilfe Frauenheilkd* 33:652-61, Aug 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

- Obstetric complications and physical size of offspring of schizophrenic, schizophrenic-like, and control mothers. McNeil TF, et al.
- Br J Psychiatry* 123:341-8, Sep 73
- [Hazards to mother and child through disease during pregnancy] Hohlweg-Majert P, et al.
- Fortschr Med* 91:1269-71, 15 Nov 73 (Ger)
- [Term cervical pregnancy (author's transl)] Tibáld M, et al.
- Geburtshilfe Frauenheilkd* 33:688-90, Aug 73 (Eng. Abstr.) (Ger)
- [Silver-Russell syndrome and other forms of intrauterine dwarfism] Blerich JR.
- Monatsschr Kinderheilkd* 121:286-9, Jul 73 (Ger)

DIAGNOSIS

- Paper chromatography of ^{113m}In-labelled radiopharmaceuticals: (113m In) DTPA. Jaiswal DK, et al. *J Chromatogr* 84:417-8, 26 Sep 73
- Editorial: Fetoplacental function tests. *Lancet* 2:947-8, 27 Oct 73
- Some aspects of modern antenatal care. Sears RT. *Nurs Mirror* 137:13-6, 5 Oct 73
- Abdominal pregnancy--urinary oestriol excretion. Abell DA. *S Afr Med J* 47:2031-2, 27 Oct 73
- Doubts on the value of serum heat-stable alkaline phosphatase estimations in pregnancy. Oram RH, et al. *S Afr Med J* 47:2017-8, 27 Oct 73
- [Double radionuclide-scintigraphy for placental localization (author's transl)] Trotnow S, et al. *Arch Gynaekol* 215:110-22, 25 May 73 (Eng. Abstr.) (Ger)

- [Investigations on the usefulness of Ittrich's method for the determination of total urinary estrogen during pregnancy (author's transl)] Ardelt W, et al.
- Geburtshilfe Frauenheilkd* 33:678-83, Aug 73 (Eng. Abstr.) (Ger)

- [Serial estimation of rare essential elements during normal and abnormal pregnancy (a contribution to the diagnosis of placental insufficiency) (author's transl)] Thieme R, et al.
- Geburtshilfe Frauenheilkd* 33:652-61, Aug 73 (Eng. Abstr.) (Ger)

- [Perinatal hazards] Bretscher J.
- Wien Med Wochenschr* 123:505-11, 1 Sep 73 (Ger)
- [Ultrasonographic examination in hemorrhages in the 3d trimester] Zacutti A, et al.
- Minerva Ginecol* 25:468-75, Aug 73 (Ita)

ETIOLOGY

- [The cysts of the human placenta (author's transl)] Schwartz A, et al.
- Zentralbl Allg Pathol* 117:185-90, 1973 (Eng. Abstr.) (Ger)
- [Rubella in pregnancy. Correlation of serological diagnosis with fetal and placental pathology] Segal S, et al. *Harefuah* 85:114-7, 1 Aug 73 (Eng. Abstr.) (Heb)

IMMUNOLOGY

- Proceedings: Immunoglobulin levels in postmature newborns. Papadatos C. *Arch Dis Child* 48:826, Oct 73

OCCURRENCE

- Significance of maternal weight patterns in pregnancy. Andersen GJ, et al. *Med J Aust* 2:427-9, 1 Sep 73

PATHOLOGY

- [The cysts of the human placenta (author's transl)] Schwartz A, et al.
- Zentralbl Allg Pathol* 117:185-90, 1973 (Eng. Abstr.) (Ger)
- [Placenta in neuroblastoma] Jurkovič I, et al.
- Cesk Pediatr* 28:433-5, Aug 73 (Eng. Abstr.) (Slo)

PHYSIOPATHOLOGY

- Editorial: Fetoplacental function tests. *Lancet* 2:947-8, 27 Oct 73

RADIOGRAPHY

- [Radiography in obstetrics today (significance and radiation dosage)] Brezina K.
- Wien Med Wochenschr* 123:709-14, 1 Dec 73 (Ger)

URINE

- [Estrogen excretion in high-risk pregnancies. Maternal estrogen excretion in 24-hour-urine and infant data in high-risk pregnancies] Geler G, et al.
- Fortschr Med* 91:1073-6, 27 Sep 73 (Eng. Abstr.) (Ger)
- [Investigations on the usefulness of Ittrich's method for the determination of total urinary estrogen during pregnancy (author's transl)] Ardelt W, et al.
- Geburtshilfe Frauenheilkd* 33:678-83, Aug 73 (Eng. Abstr.) (Ger)

TROPHOBLASTIC TUMOR

IMMUNOLOGY

- Immunological aspects of trophoblastic neoplasia. Bagshawe KD. *Br J Cancer* 250-3, Aug 73
- HL-A antigens and malignant disease. Lawler SD. *Br J Cancer* 243-9, Aug 73

PATHOLOGY

- Cellular reaction in trophoblastic tumours. Elston CW, et al. *Br J Cancer* 28:245-56, Sep 73
- [Histochemical findings in trophoblast tumors] Ruckhäberle KE, et al.
- Zentralbl Gynaekol* 95:897-903, 6 Jul 73 (Ger)

PLACENTA

111. Placental Hormones, Precursors, Metabolites and Synthetic Analogs

GONADOTROPINS, CHORIONIC

Role of immunity in therapy of human cancer. Discussion. *Br J Cancer* 299-300, Aug 73
Cancer--the future. Hainan KE.
Br J Radiol 46:793-8, Oct 73
Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. *Horm Res* 4:261-73, 1973
Neutralization of human thyrotropin by antisera to subunits of glycoprotein hormones. Nisula BC, et al. *J Clin Endocrinol Metab* 37:664-9, Nov 73
Generation of specific antisera with the hormone-specific beta-subunit of hTSH or hFSH. Valtukaitis JL, et al.
J Clin Endocrinol Metab 37:653-9, Nov 73
The influence of the testis on the survival of spermatozoa in the epididymis of the golden hamster, *Mesocricetus auratus*. Lubicz-Nawrocki CM, et al. *J Reprod Fertil* 34:315-29, Aug 73
Studies on luteinizing hormone and its subunits: development and application of a radioligand receptor assay and properties of the hormone-receptor interaction. Reichert LE Jr, et al.
Recent Prog Horm Res 29:497-532, 1973
[Homotropic cooperative effects and rising B-F-curves in hormone-antibody reactions (author's transl)] Bartels HJ, et al.
Z Klin Chem Klin Biochem 11:311-8, Jul 73 (Eng. Abstr.) (Ger)
[Determination of urinary testosterone in man: a comparison between two methods using gas phase chromatography and competitive protein binding analysis respectively (author's transl)] Littmann KP, et al. *Z Klin Chem Klin Biochem* 11:371-5, Sep 73 (Ger)

ADMINISTRATION & DOSAGE

A simple clinical test for measuring the serum testosterone response to intravenous infusion of human chorionic gonadotrophin (HCG). Vivanco F, et al. *Acta Endocrinol (Kbh)* 73:790-3, Aug 73
Autoradiographic studies of the mouse Fallopian tube. Devoe L, et al.
Am J Obstet Gynecol 117:490-6, 15 Oct 73
Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al.
Am J Vet Res 34:1033-40, Aug 73
Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al.
Biol Reprod 9:272-8, Oct 73
Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spilman CH, et al. *Biol Reprod* 9:116-24, Sep 73
Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis. Bergada C, et al.
J Clin Endocrinol Metab 37:935-43, Dec 73
A study on the monitoring of gonadotrophin therapy by the assay of plasma oestradiol and progesterone. Shaaban MM, et al.
J Obstet Gynaecol Br Commonw 80:783-93, Sep 73
Immunization of female baboons with hapten-coupled gonadotropins. Stevens VC.
Obstet Gynecol 42:496-506, Oct 73
Effects of immunization with hapten-coupled HCG on the human menstrual cycle. Stevens VC, et al. *Obstet Gynecol* 42:485-95, Oct 73

ANALYSIS

Histochemical studies of fibrinoid, mucopolysaccharides and chorionic gonadotrophin in the normal and pathologic human placenta. Tóth F, et al. *Acta Morphol Acad Sci Hung* 21:89-104, 1973
Human chorionic gonadotrophin. Linear amino acid sequence of the alpha subunit. Bellisario R, et al. *J Biol Chem* 248:6796-809, 10 Oct 73
Human chorionic gonadotrophin. Linear amino acid

sequence of the beta subunit. Carlsen RB, et al. *J Biol Chem* 248:6810-27, 10 Oct 73

BIOSYNTHESIS

Ectopic production of the isolated beta subunit of human chorionic gonadotrophin. Weintraub BD, et al. *J Clin Invest* 52:335-42, Dec 73
Viability of human trophoblast in vitro. Taylor PV, et al. *J Obstet Gynaecol Br Commonw* 80:834-8, Sep 73
Actinomycin D stimulation of HCG production by human choriocarcinoma. Hussa RO, et al. *Obstet Gynecol* 42:651-7, Nov 73
[Biological aspects of induced human choriongonadotropin (HCG) synthesis] Lajos L, et al. *Orv Hetil* 114:2526-7, 21 Oct 73 (Hun)

BLOOD

Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al.
Am J Obstet Gynecol 117:757-73, 15 Nov 73
Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al.
Am J Obstet Gynecol 117:631-42, 1 Nov 73
Ectopic production of the isolated beta subunit of human chorionic gonadotrophin. Weintraub BD, et al. *J Clin Invest* 52:335-42, Dec 73
New radioimmunoassay technique using second antibody to solid phase applied to assays of human chorionic somatomammotropin. Cocola F, et al. *J Nucl Biol Med* 17:14-21, Jan-Mar 73
[Monitoring of pregnancies by hormone assays, the value of HPL estimations (author's transl)] Gitsch E, et al.
Wien Klin Wochenschr 85:585-8, 7 Sep 73 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

A simple clinical test for measuring the serum testosterone response to intravenous infusion of human chorionic gonadotrophin (HCG). Vivanco F, et al. *Acta Endocrinol (Kbh)* 73:790-3, Aug 73
Proceedings: Testicular function tests: an integrated approach. Hamilton W. *Arch Dis Child* 48:831-2, Oct 73
Plasma thyrotropin and its response to thyrotropin releasing hormone in normal pregnancy. Kannan V, et al. *Obstet Gynecol* 42:547-9, Oct 73

ISOLATION & PURIFICATION

Ectopic production of the isolated beta subunit of human chorionic gonadotrophin. Weintraub BD, et al. *J Clin Invest* 52:335-42, Dec 73
[Biological aspects of induced human choriongonadotropin (HCG) synthesis] Lajos L, et al. *Orv Hetil* 114:2526-7, 21 Oct 73 (Hun)

METABOLISM

Subcellular distribution and fate of radioactivity in ovaries of pseudo-pregnant rats after in vivo administration of (131-I)HCG. Braendle W, et al. *Acta Endocrinol (Kbh)* 74:361-70, Oct 73
Gonadotropin receptors in the plasma membranes of rat luteal cells. Rao CV, et al.
Biochim Biophys Acta 313:372-89, 28 Jul 73
Distribution of HCG and asialo-HCG in the mouse: quantitative and radioautographic studies. Rajanleml H, et al. *Horm Res* 4:177-89, 1973
Characteristics of a soluble gonadotropin receptor from the rat testis. Dufau ML, et al.
J Biol Chem 248:6973-82, 25 Oct 73
Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy. Crystle CD, et al. *Obstet Gynecol* 42:718-24, Nov 73
[The effect of a spleen dialysate on the rat testis (author's transl)] Breitenacker G, et al. *Urol Int* 28:364-9, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73
- Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
- Plasma prolactin changes following cortical spreading depression in female rats. Colombo JA, et al. *Am J Physiol* 225:766-9, Oct 73
- Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al. *Am J Vet Res* 34:1033-40, Aug 73
- In vitro culture of bovine embryos. McKenzie BE, et al. *Am J Vet Res* 34:1271-5, Oct 73
- Effects of human chorionic gonadotropin on the incorporation of uridine into nucleotide pools and ribonucleic acid in the reproductive tract of the rabbit doe. O'Shea T. *Aust J Biol Sci* 26:937-46, Aug 73
- Human chorionic gonadotropin-mediated glycogenolysis in human placental villi: a role of prostaglandins. Demers LM, et al. *Biochim Biophys Acta* 313:202-10, 20 Jun 73
- Hormonal regulation of rat uterine glycogen metabolism. Demers LM, et al. *Biol Reprod* 9:272-8, Oct 73
- Fertilization of rat eggs in vitro. Miyamoto H, et al. *Biol Reprod* 9:384-93, Nov 73
- Fertility of beef cows treated during estrus with human chorionic gonadotropin. King GJ, et al. *Can Vet J* 14:221-2, Sep 73
- Induction of ovulation with human gonadotropins, analysis of plasmasteroid pattern. Bettendorf G, et al. *Endocrinol Exp (Bratisl)* 7:215-20, Sep 73
- In vitro metabolism of (4-14C) pregnenolone in the ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
- The role of sympathetic nerves in the response of uterus and oviduct to field stimulation. Hodgson BJ, et al. *Eur J Pharmacol* 23:107-10, Jul 73
- Pronuclear DNA synthesis in mouse eggs. An autoradiographic study. Luthardt FW, et al. *Exp Cell Res* 82:143-51, Nov 73
- The effects of gonadotropin preparations and steroid hormones on the ovaries of intact and gonadotropin-deprived guinea pigs, *Hypoleucis galli*. Mackay NJ. *Gen Comp Endocrinol* 21:278-86, Oct 73
- Pseudopregnancy in the rabbit after stimulation by human chorionic gonadotropin. Beler HM, et al. *Horm Res* 4:1-27, 1973
- Maintenance of pregnancy in prepubertal gilts. Ellicott AR, et al. *J Anim Sci* 37:971-3, Oct 73
- Fertilizing capacity of boar semen stored at 15°C. Pursel VG, et al. *J Anim Sci* 37:532-5, Aug 73
- Maintenance of corpora lutea in prepubertal gilts. Segal DH, et al. *J Anim Sci* 37:762-7, Sep 73
- Effect of gonadotropins in the induction of spermatogenesis in human prepubertal testis. Bergadà C, et al. *J Clin Endocrinol Metab* 37:935-43, Dec 73
- Sperm-egg interaction in immature hamster oocytes. Barros C, et al. *J Exp Zool* 186:73-8, Oct 73
- Chemical estimates of the RNA and DNA contents of the early mouse embryo. Olds PJ, et al. *J Exp Zool* 186:39-46, Oct 73
- The induction of ovulation by tamoxifen. Williamson JG, et al. *J Obstet Gynaecol Br Commonw* 80:844-7, Sep 73
- The effect of abnormal position, scrotal repositioning, and human gonadotropic hormone on the developing puppy testis. Kiesewetter WB, et al. *J Pediatr Surg* 8:739-46, Oct 73
- Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. Dey SK, et al. *J Reprod Fertil* 34:475-9, Sep 73
- The effect of vasectomy on the activity of prostatic RNA polymerase in rats. Pierrepont CG, et al. *J Reprod Fertil* 35:149-52, Oct 73
- The fertility of helpers inseminated at predetermined intervals following treatment with MGA and HCG to control ovulation. Roche JF, et al. *J Reprod Fertil* 35:211-6, Nov 73
- Sex and strain involvement in pheromonal facilitation of gonadotropin-induced ovulation in the mouse. Zarrow MX, et al. *J Reprod Fertil* 35:81-7, Oct 73
- The effects of hypophysectomy and human chorionic gonadotropin administration on the in vitro metabolism of progesterone by the rat testis. Appell RA. *Steroids* 22:351-64, Sep 73

- Steroid hormones and the fertilizing capacity of spermatozoa. Briggs MH. *Steroids* 22:547-53, Oct 73
- Effect of hypophysectomy and gonadotropin treatment on metabolism of 3H-progesterone by rat testicular tissue. Steinberger E, et al. *Steroids* 22:425-43, Sep 73
- [Amino constituents of tubal secretions in the rabbit. Zymogram--proteins--free amino acids] Menezes Y, et al. *Ann Biol Anim Biochim Biophys* 12:383-96, 1972 (Eng. Abstr.) (Fre)
- [Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J. *Ann Biol Anim Biochim Biophys* 12:397-409, 1972 (Eng. Abstr.) (Fre)
- [Regulation of genital function in the dormouse. Effect of gonadotropic hormones on diencephalic monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al. *Ann Endocrinol (Paris)* 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F₂alpha] Santos AA, et al. *FEBS Lett* 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)
- [Therapy of male fertility disorders and of climacterium virile. Effect of a combined chorionic gonadotropin-testosterone treatment] Schönfelder H, et al. *Fortschr Med* 28:1123-30, Oct 73 (Ger)
- [The effect of a spleen dialysate on the rat testis (author's transl)] Breitenacker G, et al. *Urol Int* 28:364-9, 1973 (Eng. Abstr.) (Ger)
- [The effect of the bursa of Fabricius on the genital organs of the young hen (*Gallus domesticus*) stimulated with gonadotropin (HCG and PMS); light and electron-microscopic studies of the rate of synthesis of collagen, basic substance and sex steroid hormones in the ovary] Budras KD, et al. *Zentralbl Veterinärmed [C]* 2:156-86, Jun 73 (Eng. Abstr.) (Ger)

SECRETION

- Cytodiagnosis of HCG-secreting choriocarcinoma of the stomach. Report of a case. Uel Y, et al. *Acta Cytol (Baltimore)* 17:431-4, Sep-Oct 73

STANDARDS

- Comparison of human chorionic somatomammotropin (HCS) standards for radioimmunoassay. Cocola F, et al. *J Nucl Biol Med* 17:22-4, Jan-Mar 73

THERAPEUTIC USE

- Premature ovarian failure. Starup J, et al. *Acta Obstet Gynecol Scand* 52:259-68, 1973
- Letter: The treatment of obesity. Van Itallie TB, et al. *Am J Clin Nutr* 26:1039-41, Oct 73
- Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
- Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
- Induction of ovulation with human gonadotropins, analysis of plasmasteroid pattern. Bettendorf G, et al. *Endocrinol Exp (Bratisl)* 7:215-20, Sep 73
- The effect of treatment for nonovulation, or an induced-ovulation pregnancy, upon subsequent menstrual patterns and further spontaneous pregnancy. Matthews CD, et al. *Fertil Steril* 24:758-62, Oct 73
- Induction of ovulation with clomiphene citrate and its adjunctive therapies. Slotnick EA. *J Am Osteopath Assoc* 73:35-8, Sep 73
- A study on the monitoring of gonadotropin therapy by the assay of plasma oestradiol and progesterone. Shaaban MM, et al. *J Obstet Gynaecol Br Commonw* 80:783-93, Sep 73
- Current therapy for undescended testicle. Rationale for treatment between ages four and five. Smith AM, et al. *NY State J Med* 73:2552-60, 1 Nov 73
- Letter: Treatment of inadequate luteal phase. Caspi E, et al. *Obstet Gynecol* 42:627, Oct 73
- Chorionic gonadotropin in male growth-retarded adolescent asthmatic patients. Sanders S, et al. *Practitioner* 210:690-2, May 73
- Gonadal dysgenesis: the XY variant. Mattox JH. *South Med J* 66:839-40, Jul 73
- [Therapy of male fertility disorders and of

climacterium virile. Effect of a combined choriongonadotropin-testosterone treatment] Schönfelder H, et al.
Fortschr Med 28:1123-30, Oct 73 (Ger)
 [Surgery of undescended testis (author's transl)] Lelthe J.
Med Klin 68:1195-8, 14 Sep 73 (Eng. Abstr.) (Ger)
 [Diagnosis and therapy of infertility in the male] Petres J, et al.
Munch Med Wochenschr 115:1175-82, 22 Jun 73 (Eng. Abstr.) (Ger)

URINE

[Chorionic gonadotropin excretion in threatened abortion. I. Untoward pregnancy course] Szymanski W, et al.
Ginek Pol 44:1013-8, 1973 (Eng. Abstr.) (Pol)
 [Value of chorionic gonadotropin determination by means of serologic techniques in the diagnosis and treatment of chorionepithelioma] Wawryk R, et al.
Ginek Pol 44:1057-65, 1973 (Eng. Abstr.) (Pol)

GONADOTROPINS, EQUINE

ADMINISTRATION & DOSAGE

Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al.
Am J Vet Res 34:1033-40, Aug 73
 Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle. Spilman CH, et al.
Biol Reprod 9:116-24, Sep 73

ANTAGONISTS & INHIBITORS

Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Greenwald GS.
Biol Reprod 9:437-46, Nov 73

PHARMACODYNAMICS

Plasma prolactin changes following cortical spreading depression in female rats. Colomho JA, et al.
Am J Physiol 225:766-9, Oct 73
 Histologic features of ovarian follicles of gonadotropin-injected heifers. McKenzie BE, et al.
Am J Vet Res 34:1033-40, Aug 73
 In vitro culture of bovine embryos. McKenzie BE, et al.
Am J Vet Res 34:1271-5, Oct 73
 Fertilization of rat eggs in vitro. Miyamoto H, et al.
Biol Reprod 9:384-93, Nov 73
 Maintenance of pregnancy in prepuberal gilts. Ellcott AR, et al. **J Anim Sci** 37:971-3, Oct 73
 Maintenance of corpora lutea in prepuberal gilts. Segal DH, et al. **J Anim Sci** 37:762-7, Sep 73
 Control of steroidogenesis in pre-ovulatory cells. Luteinizing hormone stimulation of (14C)-acetate incorporation into steroids. Morris PW, et al.
J Biol Chem 248:8920-7, 10 Oct 73
 Effect of gonadotrophins on the production of steroids by sheep ovarian follicles cultured in vitro. Moor RM, et al. **J Endocrinol** 58:599-611, Sep 73
 Sperm-egg interaction in immature hamster oocytes. Barros C, et al. **J Exp Zool** 186:73-8, Oct 73
 Requirements for the maturation of hamster oocytes from preovulatory follicles. Haldri AA, et al.
J Reprod Fertil 35:173-6, Oct 73
 Plasma hormone levels in beef cows with induced multiple ovulations. Henricks DM, et al.
J Reprod Fertil 35:225-33, Nov 73
 Analysis of the first cleavage division to determine the sex-ratio and incidence of chromosome anomalies at conception in the mouse. Kaufman MH.
J Reprod Fertil 35:67-72, Oct 73
 Stimulatory effect of L-vasopressin on PMSG-induced ovulation in immature rats. Lastra M de la, et al.
J Reprod Fertil 35:1-6, Oct 73
 The effect of gonadotrophin on follicle growth initiation in the neonatal mouse ovary. Peters H, et al.
J Reprod Fertil 35:139-41, Oct 73
 The effect of vasectomy on the activity of prostatic RNA polymerase in rats. Pierrepont CG, et al.
J Reprod Fertil 35:149-52, Oct 73
 Sex and strain involvement in pheromonal facilitation of gonadotrophin-induced ovulation in the mouse. Zarrow MX, et al. **J Reprod Fertil** 35:81-7, Oct 73
 Letter: Evidence for the theory of dual hypothalamic

control of ovulation. Zolovick A, et al.
Nature 245:158-9, 21 Sep 73
 Effect of hypophysectomy and gonadotropin treatment on metabolism of 3H-progesterone by rat testicular tissue. Steinherger E, et al. **Steroids** 22:425-43, Sep 73
 [Amino constituents of tual secretions in the rabbit. Zymogram--proteins--free amino acids] Menezo Y, et al.
Ann Biol Anim Blochim Biophys 12:383-96, 1972 (Eng. Abstr.) (Fre)
 [Follicular response of immature female calves to various serum gonadotropin treatments associated or unassociated with a progestin] Testart J.
Ann Biol Anim Blochim Biophys 12:397-409, 1972 (Eng. Abstr.) (Fre)
 [Regulation of genital function in the dormouse. Effect of gonadotropic hormones on olfactory bulb monoamine oxidase activity and on the genital glands during hibernation] Dussart G, et al.
Ann Endocrinol (Paris) 34:115-32, Mar-Apr 73 (Eng. Abstr.) (Fre)
 [The effect of the bursa of Fabricius on the genital organs of the young hen (Gallus domesticus) stimulated with gonadotropin (HCG and PMS); light and electron-microscopic studies of the rate of synthesis of collagen, basic substance and sex steroid hormones in the ovary] Budras KD, et al.
Zentralbl Veterinärmed [C] 2:158-86, Jun 73 (Eng. Abstr.) (Ger)

PLACENTAL EXTRACTS

THERAPEUTIC USE

[Pathophysiological aspects of the problem of parenteral nutrition] Glants RM.
Probl Gematol Pereliv Krovi 17:37-41, Dec 73 (Rus)

PLACENTAL LACTOGEN

ANALYSIS

Letter: Pitfall in the protocol of the human placental lactogen test. Reisinger WE Jr, et al.
J Nucl Med 14:878, Nov 73
 Letter: Fetoplacental function tests.
Lancet 2:1092-3, 10 Nov 73
 The chemistry of growth hormone and the lactogenic hormones. Niall HD, et al.
Recent Prog Horm Res 29:387-416, 1973 (43 ref.)

BIOSYNTHESIS

[Monitoring of pregnancies by hormone assays, the value of HPL estimations (author's transl)] Glitsch E, et al.
Wien Klin Wochenschr 85:585-8, 7 Sep 73 (Eng. Abstr.) (Ger)

BLOOD

Serum gonadotropin and steroid patterns in early human gestation. Mishell DR Jr, et al.
Am J Obstet Gynecol 117:631-42, 1 Nov 73
 Quality control in a radioimmunoassay: observations on the operation of a semi-automated assay for human placental lactogen. Challand GS, et al.
Clin Chim Acta 46:133-8, 28 Jun 73
 Editorial: Fetoplacental function tests.
Lancet 2:947-8, 27 Oct 73
 Letter: Fetoplacental function tests.
Lancet 2:1092-3, 10 Nov 73
 [Monitoring of pregnancies by hormone assays, the value of HPL estimations (author's transl)] Glitsch E, et al.
Wien Klin Wochenschr 85:585-8, 7 Sep 73 (Eng. Abstr.) (Ger)
 [Radioimmunologic determination of chorionic somatotropin levels in blood serum samples from pregnant women in normal and complicated gestation] Skalha P.
Ginek Pol 44:993-7, 1973 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Modification of the tryptophanyl residue and its effects on the immunological and biological activity of human chorionic somatomammotropin. Nerl P, et al.
Biochim Biophys Acta 322:88-94, 21 Sep 73
 In vitro metabolism of (4-14C) pregnenolone in the

- ovaries of intact and HPL or HCG treated rats. Sulcová J, et al. *Endocrinol Exp (Bratisl)* 7:207-14, Sep 73
- Action of human placental lactogen on second metamorphosis in the newt *Notophthalmus viridescens*. Gona O, et al. *Gen Comp Endocrinol* 21:377-80, Oct 73
- Growth hormone modulation of liver drug metabolic enzyme activity in the rat. II. Specificity of the hormone effect. Wilson JT, et al. *Proc Soc Exp Biol Med* 143:978-85, Sep 73

URINE

- Editorial: Fetoplacental function tests. *Lancet* 2:947-8, 27 Oct 73

Somatomammotropin

- Modification of the tryptophanyl residue and its effects on the immunological and biological activity of human chorionic somatomammotropin. Neri P, et al. *Biochim Biophys Acta* 322:88-94, 21 Sept 73

- New radioimmunoassay technique using second antibody to solid phase applied to assays of human chorionic somatomammotropin. Cocola F, et al. *J Nucl Biol Med* 17:14-21 Jan-Mar 73

- Comparison of human chorionic somatomammotropin (HCS) standards for radioimmunoassay. Cocola F, et al. *J Nucl Biol Med* 17:22-4, Jan-Mar 73

PARATHYROID AND BONE

1. Physical and Functional Aspects

PARATHYROID GLANDS

ABNORMALITIES

Chronic mucocutaneous candidiasis: a clinical classification. Wells RS.
Proc R Soc Med 66:801-2, Aug 73

ANALYSIS

Biosynthesis of parathyroid hormone and parathyroid hormone by human parathyroid glands. Chu LL, et al. *J Clin Invest* 52:3089-94, Dec 73
 Nature of soft tissue calcification in uremia. Contiguglia SR, et al. *Kidney Int* 4:229-35, Sep 73

ANATOMY & HISTOLOGY

Reimplantation of autogenous parathyroid tissue: an experimental study. Matsuura H, et al.
J Surg Oncol 5:297-305, 1973
 Nature of soft tissue calcification in uremia. Contiguglia SR, et al. *Kidney Int* 4:229-35, Sep 73

BLOOD SUPPLY

Transplantation of canine larynx and hypopharynx with thyroid and parathyroid glands using continuous hypothermic perfusion. Toivio I, et al.
Acta Otolaryngol (Stockh) 76:70-4, Jul 73
 Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shimkin PM, et al.
Am J Surg 126:534-8, Oct 73
 The significance of mast cells in human parathyroid glands. Anderson TJ. *J Pathol* 110:pv, Jul 73

CYTOLOGY

Studies on the subcellular localization of parathyroid hormone and parathyroid hormone in the bovine parathyroid gland: separation of newly synthesized from mature forms. MacGregor RR, et al.
Endocrinology 93:1387-97, Dec 73
 [Ultrastructural observations on mammal and bird parathyroid glands under normal and experimental conditions] Stoeckel ME, et al.
Arch Anat Microsc Morphol Exp 62:55-88, Jan-Mar 73 (Eng. Abstr.) (Fre)

EMBRYOLOGY

[Ultrastructural observations on mammal and bird parathyroid glands under normal and experimental conditions] Stoeckel ME, et al.
Arch Anat Microsc Morphol Exp 62:55-88, Jan-Mar 73 (Eng. Abstr.) (Fre)

METABOLISM

Biosynthesis of parathyroid hormone and parathyroid hormone by human parathyroid glands. Chu LL, et al. *J Clin Invest* 52:3089-94, Dec 73

PATHOLOGY

Preoperative localization of abnormal parathyroid tissue. Cumulative experience with venous sampling and arteriography. Bilezikian JP, et al.
Am J Med 55:505-14, Oct 73

Clinical conference: Hyperparathyroidism.

Am J Med 55:657-66, Nov 73
 Carcinoma of the parathyroid gland. How reliable are the clinical and histologic features? Kay S, et al.
Arch Pathol 96:316-9, Nov 73
 Ultimobranchial thyroid neoplasms in bulls. A syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. *Cancer* 32:865-78, Oct 73
 The significance of mast cells in human parathyroid glands. Anderson TJ. *J Pathol* 110:pv, Jul 73
 Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.
Kidney Int 4:168-73, Aug 73 (56 ref.)
 [Ultrastructural observations on mammal and bird parathyroid glands under normal and experimental conditions] Stoeckel ME, et al.
Arch Anat Microsc Morphol Exp 62:55-88, Jan-Mar 73 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Calcitonin effects on plasma and urinary citrate levels in rats. Franklin R, et al.
Am J Physiol 225:1178-80, Nov 73
 Ability of thyrocalcitonin to protect against hypercalcemia in adult rats. Harper C, et al.
Endocrinology 93:1354-9, Dec 73
 Ultrastructural changes induced by pregnenolone-16 alpha-carbonitrile in the hepatocytes of thyro-parathyroidectomized and L-thyroxine-treated rats. Garg BD, et al. *Horm Res* 4:53-64, 1973
 Reimplantation of autogenous parathyroid tissue: an experimental study. Matsuura H, et al.
J Surg Oncol 5:297-305, 1973
 Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al.
Kidney Int 4:128-40, Aug 73 (60 ref.)
 Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy. Goldsmith RS, et al. *Kidney Int* 4:154-60, Aug 73
 The regulation of vitamin D metabolism. Galante L, et al. *Nature* 244:438-40, 17 Aug 73

PHYSIOPATHOLOGY

Serum parathyroid hormone levels in patients with calcium pyrophosphate crystal deposition disease (chondrocalcinosis, pseudogout). Phelps P, et al.
Arthritis Rheum 16:590-6, Sep-Oct 73
 Neonatal parathyroid function: role of gestational age and postnatal age. Tsang RC, et al.
J Pediatr 83:728-38, Nov 73
 Parathyroid hormone secretion in familial vitamin-D-resistant rickets. Reitz RE, et al.
N Engl J Med 289:941-5, 1 Nov 73
 Repeated neck exploration in primary hyperparathyroidism: localization of abnormal glands by selective thyroid arteriography, selective venous sampling, and radioimmunoassay. Wells SA Jr, et al.
Surgery 74:678-86, Nov 73

RADIOGRAPHY

Angiography of the parathyroids in primary hyperparathyroidism. Yune HY.
J Indiana State Med Assoc 66:933-9, Oct 73

PARATHYROID AND BONE

SECRETION

The significance of mast cells in human parathyroid glands. Anderson TJ. *J Pathol* 110:pv, Jul 73

SURGERY

Clinical conference: Hyperparathyroidism.

Am J Med 55:857-86, Nov 73

Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73

Letter: Symptomatic hypomagnesaemia after parathyroidectomy. Sutton RA.

Br Med J 4:112, 13 Oct 73

Ionised calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al.

Ir J Med Sci 142:223-9, Sep 73

Influence of diphosphonates on progress of experimentally induced osteoporosis. Jowsey J, et al.

J Lab Clin Med 82:567-75, Oct 73

Reimplantation of autogenous parathyroid tissue: an experimental study. Matsuura H, et al.

J Surg Oncol 5:297-305, 1973

Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy.

Goldsmith RS, et al. *Kidney Int* 4:154-60, Aug 73

Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.

Kidney Int 4:168-73, Aug 73 (56 ref.)

TRANSPLANTATION

Transplantation of canine larynx and hypopharynx with thyroid and parathyroid glands using continuous hypothermic perfusion. Toivio I, et al.

Acta Otolaryngol (Stockh) 76:70-4, Jul 73

[Implantation of pig parathyroid glands in a severe case of tetany following strumectomy] Jesipowicz M, et al.

Wlad Lek 26:1543-5, 15 Aug 73 (Pol)

PARATHYROID AND BONE

II. Disorders of the Parathyroid Glands

HYPERPARATHYROIDISM

BLOOD

- Preoperative localization of abnormal parathyroid tissue. Cumulative experience with venous sampling and arteriography. Bilezikian JP, et al.
Am J Med 55:505-14, Oct 73
- Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
- Bioassay of human plasma calcitonin. Mazzuoli GF, et al.
Horm Res 4:190-6, 1973
- Primary hyperparathyroidism. A comprehensive study of clinical, biochemical and radiographic manifestations. Genant HK, et al.
Radiology 109:513-24, Dec 73
- [Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)
- [Normocalcemic primary hyperparathyroidism with diffuse osteitis fibrosa] Arroyo de la Fuente F, et al.
Rev Clin Esp 130:357-60, 31 Aug 73 (Spa)

COMPLICATIONS

- Proximal renal tubular acidosis in vitamin D deficiency rickets. Gulgnard JP, et al.
Acta Paediatr Scand 62:543-6, Sep 73
- Clinical conference: Hyperparathyroidism.
Am J Med 55:657-66, Nov 73
- Primary hyperparathyroidism and cancer. Farr HW, et al. *Am J Surg* 126:539-43, Oct 73
- Serum parathyroid hormone levels in patients with calcium pyrophosphate crystal deposition disease (chondrocalcinosis, pseudogout). Phelps P, et al.
Arthritis Rheum 16:590-6, Sep-Oct 73
- The outcome of treatment and changes in presentation of primary hyperparathyroidism. Britton DC, et al.
Br J Surg 60:782-5, Oct 73
- Letter: Hypomagnesaemia after parathyroidectomy. Scott RD, et al. *Br Med J* 3:639, 22 Sep 73
- Bone loss in primary hyperparathyroidism. Gryfe CI.
Can Med Assoc J 109:479-82, 15 Sep 73
- Primary hyperparathyroidism in renal calculi. Ghosh BN, et al. *Int Surg* 58:625-7, Sep 73
- A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973
- Primary hyperparathyroidism. A comprehensive study of clinical, biochemical and radiographic manifestations. Genant HK, et al.
Radiology 109:513-24, Dec 73
- [Etiopathogenesis of chronic pancreatitis] Ronský R. *Cesk Gastroenterol Vyz* 27:396-8, Sep 73 (Cze)
- [Fine structure of an endocrine active carcinoma of the parathyroid gland (author's transl)] Thiele J, et al. *Virchows Arch [Zellpathol]* 13:153-68, 25 Jun 73 (Eng. Abstr.) (Ger)
- [A large cyst of a parathyroid adenoma and primary hyperparathyroidism. Morphological and clinical observations (author's transl)] Rafil MR, et al. *Zentralbl Allg Pathol* 117:170-5, 1973 (Eng. Abstr.) (Ger)
- [Parathyroid glands and the stomach] Mosin VI. *Klin Med (Mosk)* 51:106-13, Mar 73 (80 ref.) (Rus)
- [Diagnosis of primary hyperparathyroidism] Vladyka LA, et al.
Klin Med (Mosk) 51:98-106, Mar 73 (Eng. Abstr.) (Rus)
- [Normocalcemic primary hyperparathyroidism with diffuse osteitis fibrosa] Arroyo de la Fuente F, et al.
Rev Clin Esp 130:357-60, 31 Aug 73 (Spa)

DIAGNOSIS

- Preoperative localization of abnormal parathyroid tissue. Cumulative experience with venous sampling and arteriography. Bilezikian JP, et al.
Am J Med 55:505-14, Oct 73
- Primary hyperparathyroidism and cancer. Farr HW, et al. *Am J Surg* 126:539-43, Oct 73

- Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shimkin PM, et al.
Am J Surg 126:534-8, Oct 73
- Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
- Carcinoma of the parathyroid gland. How reliable are the clinical and histologic features? Kay S, et al.
Arch Pathol 96:316-9, Nov 73
- The outcome of treatment and changes in presentation of primary hyperparathyroidism. Britton DC, et al.
Br J Surg 60:782-5, Oct 73
- Ionised calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al.
Ir J Med Sci 142:223-9, Sep 73
- Some guidelines for surgery for hyperparathyroidism based on a ten-year experience with fifteen patients at the Maine Medical Center. Hiebert CA, et al.
J Maine Med Assoc 64:193-5, Sep 73
- A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973
- [Diagnosis of primary hyperparathyroidism] Vladyka LA, et al.
Klin Med (Mosk) 51:98-106, Mar 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

- Proximal renal tubular acidosis in vitamin D deficiency rickets. Gulgnard JP, et al.
Acta Paediatr Scand 62:543-6, Sep 73
- Clinical conference: Hyperparathyroidism.
Am J Med 55:657-66, Nov 73
- A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973

ETIOLOGY

- The life cycle of the osteocyte. Jande SS, et al.
Clin Orthop 94:281-305, Jul-Aug 73

FAMILIAL & GENETIC

- Roentgenographic features of "primary" hyperparathyroidism in infancy. Grantmyre EB.
J Can Assoc Radiol 24:257-60, Sep 73

METABOLISM

- Extra- and intracellular magnesium in hyperparathyroidism. Hessman Y, et al.
Acta Chir Scand 139:431-6, 1973
- The effect of bendroflumethazide on total, ultrafiltrable and ionized calcium in serum in normocalcaemic renal stone formers and in hyperparathyroidism. Jorgensen FS, et al.
Acta Med Scand 194:323-6, Oct 73
- The effect of bendroflumethazide on the renal handling of calcium, magnesium and phosphate in normocalcaemic renal stone formers and in hyperparathyroidism. Jorgensen FS, et al.
Acta Med Scand 194:327-34, Oct 73
- Proximal renal tubular acidosis in vitamin D deficiency rickets. Gulgnard JP, et al.
Acta Paediatr Scand 62:543-6, Sep 73
- Ionised calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al.
Ir J Med Sci 142:223-9, Sep 73
- [Parathyroid glands and the stomach] Mosin VI. *Klin Med (Mosk)* 51:106-13, Mar 73 (80 ref.) (Rus)
- [Diagnosis of primary hyperparathyroidism] Vladyka LA, et al.
Klin Med (Mosk) 51:98-106, Mar 73 (Eng. Abstr.) (Rus)

PATHOLOGY

- Clinical conference: Hyperparathyroidism.
Am J Med 55:657-66, Nov 73
- Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
- Demonstration by immunoperoxidase staining of hyperplasia of parafollicular cells in the thyroid gland

PARATHYROID AND BONE

- in hyperparathyroidism. LiVoisi VA, et al.
J Clin Endocrinol Metab 37:550-9, Oct 73
[Comparative scanning electron microscope investigations of bone in primary and secondary hyperparathyroidism. The question of perosteocytic osteolysis (author's transl)]
Lindenfelser R, et al.
Virchows Arch [Pathol Anat] 360:141-54, 9 Aug 73 (Eng. Abstr.) (Ger)
[A large cyst of a parathyroid adenoma and primary hyperparathyroidism. Morphological and clinical observations (author's transl)] Rafil MR, et al.
Zentralbl Allg Pathol 117:170-5, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Achilles reflex time and sympathetic tone. Furberg C, et al.
Ups J Med Sci 78:89-92, 1973
[Parathyroid glands and the stomach] Mosin VI.
Klin Med (Mosk) 51:106-13, Mar 73 (80 ref.) (Rus)
[Diagnosis of primary hyperparathyroidism] Vadyka LA, et al.
Klin Med (Mosk) 51:98-106, Mar 73 (Eng. Abstr.) (Rus)

RADIOGRAPHY

- Clinical conference: Hyperparathyroidism.
Am J Med 55:657-66, Nov 73
Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
Bone loss in primary hyperparathyroidism. Gryfe CI.
Can Med Assoc J 109:479-82, 15 Sep 73
Primary hyperparathyroidism in renal calculi. Ghosh BN, et al.
Int Surg 58:625-7, Sep 73
Roentgenographic features of "primary" hyperparathyroidism in infancy. Grantmyre EB.
J Can Assoc Radiol 24:257-60, Sep 73
Angiography of the parathyroids in primary hyperparathyroidism. Yune HY.
J Indiana State Med Assoc 66:933-9, Oct 73
A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al.
Nephron 11:287-93, 1973
The lore and the lure of the lamina dura. Berry HM Jr.
Radiology 109:525-8, Dec 73
Primary hyperparathyroidism. A comprehensive study of clinical, biochemical and radiographic manifestations. Genant HK, et al.
Radiology 109:513-24, Dec 73

SURGERY

- Clinical conference: Hyperparathyroidism.
Am J Med 55:657-66, Nov 73
Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shimkin PM, et al.
Am J Surg 126:534-8, Oct 73
Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
The outcome of treatment and changes in presentation of primary hyperparathyroidism. Britton DC, et al.
Br J Surg 60:782-5, Oct 73
Some guidelines for surgery for hyperparathyroidism based on a ten-year experience with fifteen patients at the Maine Medical Center. Hiebert CA, et al.
J Maine Med Assoc 64:193-5, Sep 73
Repeated neck exploration in primary hyperparathyroidism: localization of abnormal glands by selective thyroid arteriography, selective venous sampling, and radioimmunoassay. Wells SA Jr, et al.
Surgery 74:878-86, Nov 73

THERAPY

- Extra- and intracellular magnesium in hyperparathyroidism. Hessman Y, et al.
Acta Chir Scand 139:431-6, 1973
Editorial: Hyperphosphatemia, hyperparathyroidism and bighead. Kassirer JP.
N Engl J Med 289:1367-8, 20 Dec 73

HYPERPARATHYROIDISM, SECONDARY

COMPLICATIONS

- Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.
Kidney Int 4:168-73, Aug 73 (56 ref.)

DRUG THERAPY

- Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.
Kidney Int 4:168-73, Aug 73 (56 ref.)
The role of phosphorus restriction in the prevention of secondary hyperparathyroidism in chronic renal disease. Slatopolsky E, et al.
Kidney Int 4:141-5, Aug 73

ETIOLOGY

- Editorial: Hyperphosphatemia, hyperparathyroidism and bighead. Kassirer JP.
N Engl J Med 289:1367-8, 20 Dec 73
Secondary hyperparathyroidism in uraemic patients on chronic haemodialysis—a case report and review. Lim YK.
Singapore Med J 14:99-103, Jun 73

PATHOLOGY

- Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al.
Kidney Int 4:128-40, Aug 73 (60 ref.)
[Comparative scanning electron microscope investigations of bone in primary and secondary hyperparathyroidism. The question of perosteocytic osteolysis (author's transl)]
Lindenfelser R, et al.
Virchows Arch [Pathol Anat] 360:141-54, 9 Aug 73 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

- The influence of a high calcium carbonate intake on bone disease in patients undergoing hemodialysis. Meyrier A, et al.
Kidney Int 4:146-53, Aug 73
The role of phosphorus restriction in the prevention of secondary hyperparathyroidism in chronic renal disease. Slatopolsky E, et al.
Kidney Int 4:141-5, Aug 73

RADIOGRAPHY

- Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al.
Kidney Int 4:128-40, Aug 73 (60 ref.)

SURGERY

- Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.
Kidney Int 4:168-73, Aug 73 (56 ref.)
Secondary hyperparathyroidism in uraemic patients on chronic haemodialysis—a case report and review. Lim YK.
Singapore Med J 14:99-103, Jun 73

VETERINARY

- Editorial: Hyperphosphatemia, hyperparathyroidism and bighead. Kassirer JP.
N Engl J Med 289:1367-8, 20 Dec 73

HYPOPARATHYROIDISM

BLOOD

- Bioassay of human plasma calcitonin. Mazzuoli GF, et al.
Horm Res 4:190-6, 1973
[Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)

COMPLICATIONS

- Serum parathyroid hormone levels in patients with calcium pyrophosphate crystal deposition disease (chondrocalcinosis, pseudogout). Phelps P, et al.
Arthritis Rheum 16:590-6, Sep-Oct 73
Immunological liver disease. Read AE.
J R Coll Physicians Lond 8:31-6, Oct 73 (18 ref.)
Chronic mucocutaneous candidiasis: a clinical classification. Wells RS.
Proc R Soc Med 66:801-2, Aug 73
[Multiglandular insufficiency syndrome. Hypoparathyroidism—Addison's disease—moniliasis] Mitschke H, et al.
Dtsch Med Wochenschr 98:1666-9, 7 Sep 73 (Eng. Abstr.) (Ger)
[Neurologic syndromes in hypocalcemia caused by parathyroid gland insufficiency] Martynov IUS, et al.

PARATHYROID AND BONE

Zh Nevropatol Psikhiatr 73:853-8, 1973 (Eng. Abstr.)
(Rus)

DIAGNOSIS

Pseudoidiopathic hypoparathyroidism.
Hypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al.
Am J Med 55:877-86, Nov 73
[Neurologic syndromes in hypocalcemia caused by parathyroid gland insufficiency] Martynov IUS, et al.
Zh Nevropatol Psikhiatr 73:853-8, 1973 (Eng. Abstr.)
(Rus)

DRUG THERAPY

Postoperative hypoparathyroidism. Hazards from vitamin D therapy. Fähræus B, et al.
Acta Chir Scand 139:437-41, 1973
The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al.
Acta Endocrinol (Kbh) 73:672-80, Aug 73
Idiopathic hypoparathyroidism following gastric surgery. Vileststra RE. NZ Med J 78:113-4, 8 Aug 73

ETIOLOGY

Letter: Symptomatic hypomagnesaemia after parathyroidectomy. Sutton RA.
Br Med J 4:112, 13 Oct 73
Idiopathic hypoparathyroidism following gastric surgery. Vileststra RE. NZ Med J 78:113-4, 8 Aug 73
[Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)

METABOLISM

The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al.
Acta Endocrinol (Kbh) 73:672-80, Aug 73
Secretion of calcitonin in hypocalcemic states in man. Deftos LJ, et al. J Clin Invest 52:3109-14, Dec 73
Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. N Engl J Med 289:1056-60, 15 Nov 73
[Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.)
(Ger)

PATHOLOGY

[Multiglandular insufficiency syndrome.
Hypoparathyroidism-Addison's disease-moniliasis] Mitschke H, et al.
Dtsch Med Wochenschr 98:1666-9, 7 Sep 73 (Eng. Abstr.)
(Ger)
[Neurologic syndromes in hypocalcemia caused by parathyroid gland insufficiency] Martynov IUS, et al.
Zh Nevropatol Psikhiatr 73:853-8, 1973 (Eng. Abstr.)
(Rus)

PHYSIOPATHOLOGY

[Parathyroid glands and the stomach] Mosin VI.
Klin Med (Mosk) 51:106-13, Mar 73 (80 ref.) (Rus)

RADIOGRAPHY

Pseudoidiopathic hypoparathyroidism.
Hypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al.
Am J Med 55:877-86, Nov 73

PARATHYROID DISEASES

BLOOD

[Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)

COMPLICATIONS

Some aspects of polyostotic fibrous dysplasia: possible hypothesis to account for the associated endocrinological changes. Warrick CK.
Clin Radiol 24:125-38, Apr 73
[A large cyst of a parathyroid adenoma and primary hyperparathyroidism. Morphological and clinical observations (author's transl)] Raffi MR, et al.
Zentralbl Allg Pathol 117:170-5, 1973 (Eng. Abstr.)
(Ger)

DIAGNOSIS

[Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)

ETIOLOGY

[About the nonarteriosclerotic cerebral calcification (typ Fahr) strumectomy (author's transl)] Noetzel H.
Verh Dtsch Ges Kreislaufforsch 56:573-6, 1972 (Eng. Abstr.)
(Ger)

PATHOLOGY

[A large cyst of a parathyroid adenoma and primary hyperparathyroidism. Morphological and clinical observations (author's transl)] Raffi MR, et al.
Zentralbl Allg Pathol 117:170-5, 1973 (Eng. Abstr.)
(Ger)

SURGERY

Primary hyperparathyroidism and cancer. Farr HW, et al. Am J Surg 126:539-43, Oct 73

PARATHYROID GLANDS

ABNORMALITIES

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Proc R Soc Med 66:801-2, Aug 73

PARATHYROID NEOPLASMS

Primary hyperparathyroidism and cancer. Farr HW, et al. Am J Surg 126:539-43, Oct 73

COMPLICATIONS

Light and electron microscopy of parathyroid carcinoma. Report of three cases. Altenähr E, et al. Virchows Arch [Pathol Anat] 360:107-22, 9 Aug 73
[Fine structure of an endocrine active carcinoma of the parathyroid gland (author's transl)] Thiele J, et al. Virchows Arch [Zellpathol] 13:153-68, 25 Jun 73 (Eng. Abstr.)
(Ger)
[A large cyst of a parathyroid adenoma and primary hyperparathyroidism. Morphological and clinical observations (author's transl)] Raffi MR, et al.
Zentralbl Allg Pathol 117:170-5, 1973 (Eng. Abstr.)
(Ger)

DIAGNOSIS

Preoperative localization of abnormal parathyroid tissue. Cumulative experience with venous sampling and arteriography. Bilezikian JP, et al.
Am J Med 55:505-14, Oct 73
Primary hyperparathyroidism and cancer. Farr HW, et al. Am J Surg 126:539-43, Oct 73
Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shimkin PM, et al.
Am J Surg 126:534-8, Oct 73
Clinical conference: Hyperparathyroidism: recent studies. Ann Intern Med 79:566-81, Oct 73
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The outcome of treatment and changes in presentation of primary hyperparathyroidism. Britton DC, et al. Br J Surg 60:782-5, Oct 73
Ionised calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al. Ir J Med Sci 142:223-9, Sep 73
Repeated neck exploration in primary

PARATHYROID AND BONE

hyperparathyroidism: localization of abnormal glands by selective thyroid arteriography, selective venous sampling, and radioimmunoassay. Wells SA Jr, et al. *Surgery* 74:878-86, Nov 73
[Adenoma of the parathyroid glands] Romanlak MI, et al. *Sov Med* 35:131-2, Jun 72 (Rus)

ETIOLOGY

Light and electron microscopy of parathyroid carcinoma. Report of three cases. Altenähr E, et al. *Virchows Arch [Pathol Anat]* 360:107-22, 9 Aug 73

PATHOLOGY

Carcinoma of the parathyroid gland. How reliable are the clinical and histologic features? Kay S, et al. *Arch Pathol* 96:316-9, Nov 73
Demonstration by immunoperoxidase staining of hyperplasia of parafollicular cells in the thyroid gland in hyperparathyroidism. LiVoisi VA, et al. *J Clin Endocrinol Metab* 37:550-9, Oct 73
Letter: Virus-like particles in Hashimoto's disease and a variety of other tissues. Kahn LB. *Lab Invest* 29:350-1, Sep 73
Light and electron microscopy of parathyroid carcinoma. Report of three cases. Altenähr E, et al. *Virchows Arch [Pathol Anat]* 360:107-22, 9 Aug 73
[Fine structure of an endocrine active carcinoma of the parathyroid gland (author's transl)] Thiele J, et al. *Virchows Arch [Zellpathol]* 13:153-68, 25 Jun 73 (Eng. Abstr.) (Ger)
[A large cyst of a parathyroid adenoma and primary hyperparathyroidism. Morphological and clinical observations (author's transl)] Rafil MR, et al. *Zentralbl Allg Pathol* 117:170-5, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Common origin for all neuroendocrine tumors. Gammill SL, et al. *Acta Radiol [Ther]* (Stockh) 12:321-6, Aug 73 (30 ref.)

RADIOGRAPHY

Angiography of the parathyroids in primary hyperparathyroidism. Yune HY. *J Indiana State Med Assoc* 66:933-9, Oct 73

SURGERY

Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shimkin PM, et al. *Am J Surg* 126:534-8, Oct 73
Carcinoma of the parathyroid gland. How reliable are the clinical and histologic features? Kay S, et al. *Arch Pathol* 96:316-9, Nov 73
Letter: Hypomagnesaemia after parathyroidectomy. Scott RD, et al. *Br Med J* 3:639, 22 Sep 73
Some guidelines for surgery for hyperparathyroidism based on a ten-year experience with fifteen patients at the Maine Medical Center. Hiebert CA, et al. *J Maine Med Assoc* 64:193-5, Sep 73
[Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al. *Ann Endocrinol (Paris)* 34:314-7, May-Jun 73 (Fre)

THERAPY

Postoperative hypoparathyroidism. Hazards from vitamin D therapy. Fähræus B, et al. *Acta Chir Scand* 139:437-41, 1973

PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

- The life cycle of the osteocyte. Jande SS, et al. *Clin Orthop* 94:281-305, Jul-Aug 73
- Loss of immunoreactivity of human serum parathyroid hormone by the action of rat kidney enzyme, preferentially hydrolyzing parathyroid hormone. Fujita T, et al. *Horm Res* 4:213-8, 1973
- Effect of mitbramycin on normal and abnormal bone turnover. Robins PR, et al. *J Lab Clin Med* 82:578-86, Oct 73
- [Homotropic cooperative effects and rising B-F-curves in hormone-antibody reactions (author's transl)] Bartels HJ, et al.
- Z Klin Chem Klin Biochem* 11:311-8, Jul 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

- Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73
- Effect of norepinephrine, propranolol and phenolamine on the phosphaturic action of bovine parathyroid extract in man. Leme CE, et al. *Nephron* 11:365-72, 1973

ANALYSIS

- Editorial: Parathyroid hormone: coming of age in clinical medicine. Arnaud CD. *Am J Med* 55:577-81, Nov 73
- Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
- Studies on the subcellular localization of parathyroid hormone and parathyroid hormone in the bovine parathyroid gland: separation of newly synthesized from mature forms. MacGregor RR, et al. *Endocrinology* 93:1387-97, Dec 73
- Bovine parathyroid hormone: minimum chain length of synthetic peptide required for biological activity. Tregear GW, et al. *Endocrinology* 93:1349-53, Dec 73
- Ionised calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al. *Ir J Med Sci* 142:223-9, Sep 73
- Biosynthesis of parathyroid hormone and parathyroid hormone by human parathyroid glands. Chu LL, et al. *J Clin Invest* 52:3089-94, Dec 73

BIOSYNTHESIS

- Studies on the subcellular localization of parathyroid hormone and parathyroid hormone in the bovine parathyroid gland: separation of newly synthesized from mature forms. MacGregor RR, et al. *Endocrinology* 93:1387-97, Dec 73
- Biosynthesis of parathyroid hormone and parathyroid hormone by human parathyroid glands. Chu LL, et al. *J Clin Invest* 52:3089-94, Dec 73

BLOOD

- Preoperative localization of abnormal parathyroid tissue. Cumulative experience with venous sampling and arteriography. Bilezikian JP, et al. *Am J Med* 55:505-14, Oct 73
- Pseudoidiopathic hypoparathyroidism. Hypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al. *Am J Med* 55:677-86, Nov 73
- Primary hyperparathyroidism and cancer. Farr HW, et al. *Am J Surg* 126:539-43, Oct 73
- Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shimkin PM, et al. *Am J Surg* 128:534-8, Oct 73
- Serum parathyroid hormone levels in patients with calcium pyrophosphate crystal deposition disease (chondrocalcinosis, pseudogout). Pbelps P, et al. *Arthritis Rheum* 16:590-6, Sep-Oct 73
- The outcome of treatment and changes in presentation

- of primary hyperparathyroidism. Britton DC, et al. *Br J Surg* 60:782-5, Oct 73
- Neonatal parathyroid function: role of gestational age and postnatal age. Tsang RC, et al. *J Pediatr* 83:728-38, Nov 73
- Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy. Goldsmith RS, et al. *Kidney Int* 4:154-60, Aug 73
- The role of phosphorus restriction in the prevention of secondary hyperparathyroidism in chronic renal disease. Slatopolsky E, et al. *Kidney Int* 4:141-5, Aug 73
- Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73
- Parathyroid hormone secretion in familial vitamin-D-resistant rickets. Reltz RE, et al. *N Engl J Med* 289:941-5, 1 Nov 73
- A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973
- Osteogenesis imperfecta: morphologic and biochemical studies of connective tissue. Riley FC, et al. *Pediatr Res* 7:757-68, Sep 73
- Repeated neck exploration in primary hyperparathyroidism: localization of abnormal glands by selective thyroid arteriography, selective venous sampling, and radioimmunoassay. Wells SA Jr, et al. *Surgery* 74:678-86, Nov 73
- [Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T, et al. *Ann Endocrinol (Paris)* 34:314-7, May-Jun 73 (Fre)

DIAGNOSTIC USE

- Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

METABOLISM

- Ionic control of renal gluconeogenesis. II. The effects of Ca²⁺ and H⁺ upon the response to parathyroid hormone and cyclic AMP. Kurokawa K, et al. *Biochim Biophys Acta* 313:32-41, 20 Jun 73
- Metabolism of tritiated 25-hydroxycholecalciferol in chronically uremic children before and after successful renal homotransplantation. Piel CF, et al. *J Clin Endocrinol Metab* 37:944-8, Dec 73

PHARMACODYNAMICS

- Pseudoidiopathic hypoparathyroidism. Hypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al. *Am J Med* 55:677-86, Nov 73
- Effect of parathyroid hormone on phosphate reabsorption along the nephron of the rat. Brunette MG, et al. *Am J Physiol* 225:1076-81, Nov 73
- Influence of in vivo-incorporated fluoride on collagen metabolism by mouse calvaria in organ culture. Messer HH, et al. *Arch Oral Biol* 18:1393-401, Nov 73
- Ionic control of renal gluconeogenesis. II. The effects of Ca²⁺ and H⁺ upon the response to parathyroid hormone and cyclic AMP. Kurokawa K, et al. *Biochim Biophys Acta* 313:32-41, 20 Jun 73
- Ionic control of renal gluconeogenesis. IV. Effect of extracellular phosphate concentration. Kurokawa K, et al. *Biochim Biophys Acta* 313:59-71, 20 Jun 73
- Bovine parathyroid hormone: minimum chain length of synthetic peptide required for biological activity. Tregear GW, et al. *Endocrinology* 93:1349-53, Dec 73
- Influence of diphosphonates on progress of experimentally induced osteoporosis. Jowsey J, et al. *J Lab Clin Med* 82:567-75, Oct 73
- Effect of norepinephrine, propranolol and phenolamine on the phosphaturic action of bovine parathyroid extract in man. Leme CE, et al. *Nephron* 11:365-72, 1973
- The effect of parathyroid hormone on rabbit renal

PARATHYROID AND BONE

- cortex adenyl cyclase during development. Linarelli LG, et al. *Pediatr Res* 7:878-82, Nov 73
- Effects of parathyroid hormone on osteoclasts in vivo. An ultrastructural and histochemical study. Lucht U, et al. *Z Zellforsch Mikrosk Anat* 141:529-44, 14 Aug 73
- [On various aspects of physiopathology of the renal tubule in childhood] Bottone E, et al. *Minerva Pediatr* 25:1119-54, Jul 73 (317 ref.) (Ita)
- [The mechanism of the diuretic action of parathormone] Pronina NN, et al. *Fiziol Zh SSSR* 59:936-9, Jun 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy. Goldsmith RS, et al. *Kidney Int* 4:154-60, Aug 73
- The role of phosphorus restriction in the prevention of secondary hyperparathyroidism in chronic renal disease. Slatopolsky E, et al. *Kidney Int* 4:141-5, Aug 73
- Letter: Phosphorus restriction and vitamin D metabolism. Miller PD. *N Engl J Med* 289:1149-50, 22 Nov 73
- Hormonal regulation of cyclic AMP. Murad F, et al. *Semin Drug Treat* 3:189-202, Autumn 73

SECRETION

- The significance of mast cells in human parathyroid glands. Anderson TJ. *J Pathol* 110:pv, Jul 73
- Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS. *Kidney Int* 4:168-73, Aug 73 (56 ref.)
- Parathyroid hormone secretion in familial vitamin-D-resistant rickets. Reitz RE, et al. *N Engl J Med* 289:941-5, 1 Nov 73

PARATHYROID AND BONE

IV. Bone Metabolism and Related Topics

BONE AND BONES

Picture of the month. Schwartz-Jampel syndrome (Aberfeld syndrome, chondrodystrophic myotonia). Gellis SS, et al. *Am J Dis Child* 128:339-40, Sep 73

⁶⁷Ga scintigraphy in acute leukemia. Milder MS, et al. *Cancer* 32:803-8, Oct 73

Calcium binding to galactose. Crystal structure of a hydrated alpha-galactose-calcium bromide complex. Cook WJ, et al. *J Am Chem Soc* 95:6442-6, 19 Sep 73

The os trigonum syndrome. Moeller FA. *J Am Podiatry Assoc* 63:491-501, Oct 73

Manganese and sparteine sulfate effects on mineral metabolism. Howes AD, et al. *J Anim Sci* 37:455-8, Aug 73

Stannous pyrophosphate labeled with technetium-99m for skeletal scintigraphy. Héguippe M, et al. *J Nucl Biol Med* 17:93-6, Jul-Sep 73

Letter: Effects of breast prosthesis on ^{99m}Tc-stannous-polyphosphate bone scans. Buchignani JS, et al. *J Nucl Med* 14:878, Nov 73

Letter: ²⁰³Pb: a potential radionuclide for skeletal imaging. Rao DV, et al. *J Nucl Med* 14:872, Nov 73

The sharpening of Jung K microtome knives with particular reference to cryostat sectioning. Pearse AD. *Med Lab Technol* 30:117-22, Apr 73

An interactive system for planning of orthopedic surgery. Steinhilber D, et al. *Med Prog Technol* 2:37-40, Jul 73

Body weight as a criterion in judging bone mineral adequacy. Slemon NJ, et al. *Nature* 243:541-3, 29 Jun 73

Frequency distributions of energy deposition by 44 MeV protons at bone-soft tissue interfaces. Bally NA, et al. *Radiat Res* 56:205-12, Nov 73

Disseminated extrapulmonary tuberculosis in association with heroin addiction. Firooznia H, et al. *Radiology* 109:291-6, Nov 73

Evaluation of ^{99m}Tc-pyrophosphate as a bone imaging agent. Fletcher JW, et al. *Radiology* 109:467-8, Nov 73

The significance of urinary bladder displacement noted on whole-body ¹⁸F bone scintigraphy. Frankel RS, et al. *Radiology* 109:397-400, Nov 73

ABNORMALITIES

Isocromosome X. Clinical and psychological findings. Senzer N, et al. *Am J Dis Child* 128:312-6, Sep 73

Malignant hyperpyrexia occurring in a second Johannesburg family. Isaacs H, et al. *Br J Anaesth* 45:901-6, Aug 73

Inhibition of fetal osteogenesis by maternal noise stress. Geber WF. *Fed Proc* 32:2101-4, Nov 73

Intermediate digital aplasia. A surgeon's dilemma—two bone toes. Wiebe EL. *J Am Podiatry Assoc* 63:522-4, Oct 73

Observations on renal ectopia and fusion in children. Kelalis PP, et al. *J Urol* 110:588-92, Nov 73

Thalidomide and congenital Charcot's joints. McCredie J. *Lancet* 2:1058-61, 10 Nov 73

Dental abnormalities in the tricho-dento-osseous syndrome. Jorgenson RJ, et al. *Oral Surg* 36:693-700, Nov 73

Teratogenicity and neonatal toxicity of ifosfamide in mice. Bus JS, et al. *Proc Soc Exp Biol Med* 143:965-70, Sep 73

A bovine double monster: clinical, anatomical and embryological considerations. Gordon AS, et al. *Vet Rec* 93:67-9, 21 Jul 73

[Clinical and cytogenetic correlations in Turner's syndrome] Walbaum R. *Lille Med* 18:438-50, Apr 73 (Fre)

[The incidence of developmental anomalies in thoracic roentgen-fluoroscopic mass screening] Nyilas U, et al. *Orv Hetil* 114:2366-7, 30 Sep 73 (Hun)

ANALYSIS

The use of a laser for cutting bone samples prior to chemical analysis. Hislop JS, et al. *Analyst* 98:694, Sep 73

Fluoride and clinical otosclerosis. Daniel HJ 3d, et al. *Arch Otolaryngol* 98:327-9, Nov 73

The effects of calcium intake in the pre-ruminant lamb on body magnesium and liver copper levels. Hodge RW, et al. *Aust Vet J* 49:369-72, Aug 73

Recovery and determination of ³H-tetracycline from whole bones. Van Jackman K, et al. *Biochem Med* 8:114-22, Aug 73

Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Aitken JM, et al. *Br Med J* 3:515-8, 8 Sep 73

Calcium metabolism in the rat in relation to prolonged administration of tetracyclines. Gruden N. *Calcif Tissue Res* 13:41-6, 1973

Cyclic bone remodeling in deer. Hillman JR, et al. *Calcif Tissue Res* 12:323-30, 1973

Detection of collagen degradation products in bone. Kuboki Y, et al. *Calcif Tissue Res* 12:303-12, 1973

The osteopetrotic syndrome in the microphthalmic mutant mouse. Murphy HM. *Calcif Tissue Res* 13:19-26, 1973

Analysis of bone composition at the microscopic level. Puglarello MC, et al. *Calcif Tissue Res* 12:209-16, 1973

Hydroxide and carbonate in rat bone mineral and its synthetic analogues. Termine JD, et al. *Calcif Tissue Res* 13:73-82, 1973

Organic acids and minerals in the bones of lower vertebrates. Komárková A, et al. *Comp Biochem Physiol [B]* 46:37-41, 15 Sep 73

Gelatinized pleistocene collagen. Wyckoff RW, et al. *Comp Biochem Physiol [B]* 46:143-6, 15 Sep 73

Percentage ash weight of young human skeletons. Trotter M. *Growth* 37:153-63, Jun 73

Effect of EDTA on utilization of dietary zinc by G-F swine. Owen AA, et al. *J Anim Sci* 37:470-8, Aug 73

Association of blood and bone composition and postmortem muscle changes to leg weakness in Dutch Landrace swine. Weiss GM, et al. *J Anim Sci* 37:974-8, Oct 73

Bone magnesium pools in uremia. Alfrey AC, et al. *J Clin Invest* 52:3019-27, Dec 73

Studies on mechanisms of hypocalcemia of magnesium depletion. Reddy CR, et al. *J Clin Invest* 52:3000-10, Dec 73

Adult-onset primary oxalosis with complete heart block. West RR, et al. *Johns Hopkins Med J* 133:195-200, Oct 73

A nanogram method for hydroxyproline. Levine RS. *Mikrochim Acta* 5:797-800, 1973

Transplacental effects of estrogen on osteogenesis in rat fetuses. Ornoy A. *Pathology* 5:183-8, Jul 73

Partial body neutron activation analysis in vivo: a new approach to the investigation of metabolic bone disease. Catto GR, et al. *Phys Med Biol* 18:508-17, Jul 73

A new method for measurement of bone mineral content using both transmitted and scattered beams of gamma-rays. Clarke RL, et al. *Phys Med Biol* 18:532-9, Jul 73

The use of photon absorptiometry in the diagnosis of renal osteodystrophy. Griffiths HJ, et al. *Radiology* 109:277-81, Nov 73

[Demonstration of trimethoprim in normal and inflamed bone tissue] Klapp F, et al. *Med Welt* 24:944-5, 1 Jun 73 (Ger)

[Tissue level of lincomycin in dogs] Stöhrer M, et al. *Med Welt* 24:1133, 13 Jul 73 (Ger)

[Quantitative skeletal mineral salt determination in genuine vitamin-D-resistant rickets during long-term vitamin D therapy] Schuster W. *Monatsschr Kinderheilkd* 121:369-72, Jul 73 (Ger)

[The concentration of mineral substances in osseous tissue in syringomyelia (a roentgen-photometric study)] Khlystov VA, et al. *Zh Nevropatol Psikhiatr* 73:836-40, 1973 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Some somatometric data on Swedish females aged 15-70 years. I. Skeletal measurements. A population study

- with special reference to secular and age changes. Lewin T, et al.
Acta Morphol Neerl Scand 11:175-86, Oct 73
 The mechanism of the first carpometacarpal (CMC) joint. An anatomical and mechanical analysis. Pleron AP. *Acta Orthop Scand [Suppl]* 1:1-104, 1973
 Genetic factors in determining bone mass. Smith DM, et al. *J Clin Invest* 52:2800-8, Nov 73
 [Sexual cycle of the male badger (*Meles meles* L.)] Audy-Relexans MC.
Ann Biol Anim Blochim Biophys 12:355-66, 1972 (Eng. Abstr.) (Fre)
 [Endogenous strain in long bones (author's transl)] Brennwald J, et al.
Res Exp Med (Berl) 161:124-32, 22 Aug 73 (Eng. Abstr.) (Ger)
 [Foot print studies in forensic medicine] Becker B, et al.
Z Rechtsmed 72:100-10, 30 Apr 73 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

- Bone marrow and bone mineral scintigraphic studies in sickle cell disease. Hammel CF, et al.
Br J Haematol 25:593-8, Nov 73
 The cellular origin of bioelectric potentials in bone. Friedenberg ZB, et al. *Calcif Tissue Res* 13:53-62, 1973
 Dose-related effects of isoprenaline on the distribution of cardiac output and myocardial blood flow in conscious monkeys. Hoffbrand BI, et al.
Cardiovasc Res 7:664-9, Sep 73

CYTOLOGY

- Analysis of bone composition at the microscopic level. Pugliarello MC, et al. *Calcif Tissue Res* 12:209-16, 1973
 Dynamic mechanical properties of viable human cortical bone. Black J, et al. *J Biomech* 6:435-8, Sep 73
 Effect of fluoride on bone formation and strength in Japanese quail. Chan MM, et al.
J Nutr 103:1431-40, Oct 73

DRUG EFFECTS

- Calcitonin effects on plasma and urinary citrate levels in rats. Franklin R, et al.
Am J Physiol 225:1178-80, Nov 73
 Pathogenesis of abnormal remodeling of bones: effects of yellow phosphorus in the growing rat. Whalen JP, et al. *Anat Rec* 177:15-22, Sep 73
 Influence of in vivo-incorporated fluoride on collagen metabolism by mouse calvaria in organ culture. Messer HH, et al. *Arch Oral Biol* 18:1393-401, Nov 73
 Quantitation of Ca²⁺ fluxes in chick calvaria. Scarpace PJ, et al. *Biochim Biophys Acta* 323:267-75, 11 Oct 73
 The cellular origin of bioelectric potentials in bone. Friedenberg ZB, et al. *Calcif Tissue Res* 13:53-62, 1973
 Clinical trials of cis-diamminedichloroplatinum (NSC-119875). Lippman AJ, et al.
Cancer Chemother Rep 57:191-200, Apr 73
 A study of golden hamster (*Cricetus cricetus*) alkaline phosphatase isoenzymes. Cox RA, et al.
Comp Biochem Physiol [B] 46:99-103, 15 Sep 73
 The role of diphosphonates in osteoporosis of disease. Lane JM, et al. *J Trauma* 13:63-9, Oct 73
 Transplacental effects of estrogen on osteogenesis in rat fetuses. Ornoy A. *Pathology* 5:183-8, Jul 73
 Teratogenicity and neonatal toxicity of ifosfamide in mice. Bus JS, et al.
Proc Soc Exp Biol Med 143:965-70, Sep 73

EMBRYOLOGY

- Cretinism and the fetal-maternal relationship. Stanbury JB.
Adv Exp Med Biol 30:487-505, 1972 (50 ref.)
 Physiological effects of noise. An overview. Welch BL. *Fed Proc* 32:2091-2, Nov 73 (12 ref.)
 Altered mucopolysaccharide metabolism in organ cultures of fetal hamster bones infected by the H-1 strain of parovirus. Heggie AD, et al.
Teratology 8:147-52, Oct 73

ENZYMOLGY

- Pathogenesis of osteopetrosis in the la rat: reduced bone resorption due to reduced osteoclast function. Marks SC Jr. *Am J Anat* 138:165-89, Oct 73
 Isolation of tissue collagenase from homogenates of

- embryonic chick bones. Sakamoto S, et al.
Biochem Biophys Res Commun 53:1102-8, 21 Aug 73
 Mouse bone collagenase. The effect of heparin on the amount of enzyme released in tissue culture and on the activity of the enzyme. Sakamoto S, et al.
Calcif Tissue Res 12:247-58, 1973
 Influence of buffer conditions on the activities of some iso-enzymes of alkaline phosphatase in the serum. Halje WG. *Clin Chim Acta* 48:23-6, Sep 28 1973
 A study of golden hamster (*Cricetus cricetus*) alkaline phosphatase isoenzymes. Cox RA, et al.
Comp Biochem Physiol [B] 46:99-103, 15 Sep 73
 Enzyme changes in ageing mammals. Wilson PD.
Gerontologia 19:79-125, 1973 (123 ref.)

GROWTH & DEVELOPMENT

- Proceedings: Linear and skeletal growth in congenital adrenal hyperplasia. Bailey CC.
Arch Dis Child 48:828, Oct 73
 Cyclic bone remodeling in deer. Hillman JR, et al.
Calcif Tissue Res 12:323-30, 1973

INJURIES

- Experimental pulmonary fat embolism produced by blunt trauma to bone. Weinberg H, et al.
Isr J Med Sci 9:1048-51, Aug 73
 Fat embolism: a microscopic and ultrastructure evaluation of two animal models. Jacobs RR, et al.
J Trauma 13:980-93, Nov 73
 [Traumatic shock and blood loss in severe skeletal injuries] Kaplan AV, et al.
Probl Gematol Perellv Krovi 17:28-30, Dec 73 (Eng. Abstr.) (Rus)

INNERVATION

- The cellular origin of bioelectric potentials in bone. Friedenberg ZB, et al. *Calcif Tissue Res* 13:53-62, 1973

METABOLISM

- Distribution of ²²⁶Ra in the bones of mice. Kofránek V, et al. *Acta Radiol [Ther]* (Stockh) 12:353-67, Aug 73
 In vivo solubility of four forms of barium determined by scanning techniques. Thomas RG, et al.
Am Ind Hyg Assoc J 34:350-9, Aug 73
 Pathogenesis of osteopetrosis in the la rat: reduced bone resorption due to reduced osteoclast function. Marks SC Jr. *Am J Anat* 138:165-89, Oct 73
 Pseudohypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al.
Am J Med 55:677-86, Nov 73
 Calcitonin effects on plasma and urinary citrate levels in rats. Franklin R, et al.
Am J Physiol 225:1178-80, Nov 73
 Proceedings: Neonatal calcium metabolism. Barltrop D. *Arch Dis Child* 48:828, Oct 73
 Influence of in vivo-incorporated fluoride on collagen metabolism by mouse calvaria in organ culture. Messer HH, et al. *Arch Oral Biol* 18:1393-401, Nov 73
 Quantitation of Ca²⁺ fluxes in chick calvaria. Scarpace PJ, et al. *Biochim Biophys Acta* 323:267-75, 11 Oct 73
 Bone marrow and bone mineral scintigraphic studies in sickle cell disease. Hammel CF, et al.
Br J Haematol 25:593-8, Nov 73
 Mechanism of calcium exchange at bone surfaces. Groer PG, et al. *Calcif Tissue Res* 12:175-92, 1973
 The retention of americium and calcium by the skeleton of growing and mature female rats. Hollins JG, et al. *Calcif Tissue Res* 12:239-46, 1973
 The role of vitamin D metabolites in bone resorption. Reynolds JJ, et al. *Calcif Tissue Res* 12:295-301, 1973
 Influence of water intake on the degree of incisor fluorosis and on the incorporation of fluoride into bones and incisor teeth of mice. Růžicka JA, et al.
Caries Res 7:166-72, 1973
 Effect of phosphate and magnesium infusions on skeletal turnover and renal content of calcium, phosphorus and magnesium in rats. Bellavia JV, et al.
Endocrinology 93:1294-9, Dec 73
 1,24,25-Trihydroxyvitamin D₃. A metabolite of vitamin D₃ effective on intestine. Holick MF, et al.
J Biol Chem 248:6691-6, 10 Oct 73
 Bone magnesium pools in uremia. Alfrey AC, et al.
J Clin Invest 52:3019-27, Dec 73
 Abnormal bone mineral maturation in the chronic

- uremic state. Russell JE, et al.
J Clin Invest 52:2848-52, Nov 73
- Effect of fluoride on bone formation and strength in Japanese quail. Chan MM, et al.
J Nutr 103:1431-40, Oct 73
- Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al.
Kidney Int 4:128-40, Aug 73 (60 ref.)
- Effect of a high calcium prepartal diet on calcium homeostatic mechanisms in thyroid glands, bone, and intestine of cows. Black HE, et al.
Lab Invest 29:437-48, Oct 73
- Editorial: Calcitonin in search of a function.
Lancet 2:771-2, 6 Oct 73
- Influence of disodium etidronate on clinical and laboratory manifestations of Paget's disease of bone (osteitis deformans). Altman RD, et al.
N Engl J Med 289:1379-84, 27 Dec 73
- Editorial: Diphosphonate treatment in bone disease. Fleisch H, et al. *N Engl J Med* 289:1419-20, 27 Dec 73
- Collagen synthesis: a disulfide-linked collagen precursor in chick bone. Fessler LI, et al.
Proc Natl Acad Sci USA 70:2993-6, Oct 73
- Retention patterns of antimony in mice following inhalation of particles formed at different temperatures. Thomas RG, et al.
Proc Soc Exp Biol Med 144:544-50, Nov 73
- Effect of external whole-body x-irradiation on gallium-67 retention in mouse tissues. Swartzendruber DC, et al. *Radiat Res* 55:457-68, Sep 73
- Lead metabolism in the normal human: stable isotope studies. Rabinowitz MB, et al.
Science 182:725-7, 16 Nov 73
- Altered mucopolysaccharide metabolism in organ cultures of fetal hamster bones infected by the H-1 strain of parovirus. Heggie AD, et al.
Teratology 8:147-52, Oct 73
- Subacute oral toxicity of trisodium nitrilotriacetate (Na3NTA) in dogs. Budny JA, et al.
Toxicol Appl Pharmacol 26:148-53, Sep 73
- The effects of D-penicillamine on the tissue distribution and excretion of lead. Hammond PB. *Toxicol Appl Pharmacol* 26:241-6, Oct 73
- [Protein synthesis in vivo in various tissues of growing rats exposed to a reduction of the energy component of the ration] Arnal M, et al.
Ann Biol Anim Biochim Biophys 12:91-108, 1972 (Eng. Abstr.) (Fre)
- [Effect of sulfates on phosphorus and calcium metabolism. I. Utilization of calcium sulfate by sheep] Guéguen L, et al.
Ann Biol Anim Biochim Biophys 12:589-98, 1972 (Eng. Abstr.) (Fre)
- [Increased bone-turnover in osteopetrosis Albers-Schönberg] Kruse HP, et al.
Klin Wochenschr 51:762-6, 1 Aug 73 (Eng. Abstr.) (Ger)
- [Clinical aspects and physiopathology of rickets. I. Physiopathology] Wilhelm G.
Monatsschr Kinderheilkd 121:337-45, Jul 73 (Ger)
- [Acid-base equilibrium of the human system. Theoretical clinical-diagnostic aspects. IX. Calcium-phosphate metabolism and the acid-base equilibrium in man] Stepniowski M.
Przegl Lek 30:666-8, 1973 (Pol)
- [Serum factors protecting calcitonin in Turner's gonadal dysgenesis] Gozariu L, et al.
Stud Cercet Endocrinol 24:415-21, 1973 (Rum)
- [Effect of a gaseous medium with insufficient oxygen and excess carbon dioxide on the state of calcium and protein metabolism in the bones and teeth] Volozhin AI, et al.
Patol Fiziol Eksp Ter 17:20-4, May-Jun 73 (Eng. Abstr.) (Rus)

MICROBIOLOGY

- Isolations of subgenus 3 salmonellas (arizonas) in Cardiff, 1959-1971. Harvey RW, et al.
J Hyg (Camb) 71:481-6, Sep 73

PATHOLOGY

- Laboratory suggestions: the results of bone biopsy with a new instrument. Fornasier VL, et al.
Am J Clin Pathol 60:570-3, Oct 73
- Chronic idiopathic hyperphosphatasia in an Indian child. Desai MP, et al. *Am J Dis Child* 126:626-8, Nov 73
- Clinical conference: Hyperparathyroidism.
Am J Med 55:657-66, Nov 73

- Histiocytosis X histogenetic arguments for a Langerhans cell origin. Nezelof C, et al.
Biomedicine 18:365-71, Sep 73 (65 ref.)
- Video recordings of palaeopathology. Wells C.
Bull NY Acad Med 49:786-92, Sep 73
- Thanatophoric dwarfism. Shah K, et al.
J Oral Surg 10:243-52, Sep 73
- The influence of a high calcium carbonate intake on bone disease in patients undergoing hemodialysis. Meyrier A, et al. *Kidney Int* 4:146-53, Aug 73
- Critical re-examination of the premature aging concept in progeria: a light and electron microscopic study. Spence AM, et al.
Mech Ageing Dev 2:211-25, Aug-Sep 73
- [Multiglandular insufficiency syndrome. Hypoparathyroidism--Addison's disease--moniliasis] Mitschke H, et al.
Dtsch Med Wochenschr 98:1666-9, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Fine structure of an endocrine active carcinoma of the parathyroid gland (author's transl)] Tbleie J, et al.
Virchows Arch [Zellpathol] 13:153-68, 25 Jun 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

- Factors affecting the mechanical properties of bone. Evans FG. *Bull NY Acad Med* 49:751-64, Sep 73
- The cellular origin of bioelectric potentials in bone. Friedenberg ZB, et al. *Calcif Tissue Res* 13:53-62, 1973
- Experimental studies on fracture-healing. I. A method for in vivo measuring the stability of bones. Hernández-Richter HJ, et al.
Calcif Tissue Res 13:11-8, 1973
- Dynamic mechanical properties of viable human cortical bone. Black J, et al. *J Biomech* 6:435-8, Sep 73
- Elastic and viscoelastic properties of trabecular bone: dependence on structure. Pugh JW, et al.
J Biomech 6:475-85, Sep 73
- Effect of fluoride on bone formation and strength in Japanese quail. Chan MM, et al.
J Nutr 103:1431-40, Oct 73
- Calcification and decalcification rates in vitro. A new technique. Chan MS, et al.
Proc Soc Exp Biol Med 143:919-24, Sep 73

PHYSIOPATHOLOGY

- [Diagnosis of primary hyperparathyroidism] Vladyka LA, et al.
Klin Med (Mosk) 51:98-106, Mar 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

- One stage surgical repair of mandibular osteoradionecrosis with jaw preservation. Nickell WB, et al. *Am J Surg* 126:502-4, Oct 73
- Mird-dose estimate report no. 2. Summary of current radiation dose estimates to humans from ⁶⁶Ga, ⁶⁸Ga, and ⁷²Ga-citrate. *J Nucl Med* 14:755-6, Oct 73
- Practical course in liquid scintillation counting. 8. Hazard and safety aspects of liquid scintillation counting. Price LW. *Lab Pract* 22:571-4, Sep 73
- Review of leukocytes. Lajtha LG.
Natl Cancer Inst Monogr 38:111-5, Jul 73
- Density effect in dE-dx of fast charged particles traversing various biological materials. Kim YS.
Radiat Res 56:21-7, Oct 73
- [Dynamics of Sr90 in the bone tissue of the population of the Soviet Union during 1969-1971] Marel AN, et al.
Gig Sanit 37:56-9, Jul 72 (Rus)

RADIOGRAPHY

- Pseudoidiopathic hypoparathyroidism. Hypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al.
Am J Med 55:677-86, Nov 73
- Wiskott-Aldrich syndrome associated with idiopathic infantile cortical hyperostosis (Caffey's disease). McEnery G, et al. *Arch Dis Child* 48:818-21, Oct 73
- Comparison of x-ray and neutron radiography of pathologic bone samples. Soliman MH, et al.
Invest Radiol 8:326-32, Sep-Oct 73
- Roentgen diagnosis of fetal death in twin and intra-abdominal gestations. Grynspan A, et al.
J Can Assoc Radiol 24:289-91, Sep 73
- Skeletal change in cyanotic heart disease simulating Cooley's anemia. Report of a case with regression of

- bony changes following palliative cardiac surgery. Tchang S, et al. *J Can Assoc Radiol* 24:274-9, Sep 73
- Effect of fluoride on bone formation and strength in Japanese quail. Chan MM, et al. *J Nutr* 103:1431-40, Oct 73
- The influence of a high calcium carbonate intake on bone disease in patients undergoing hemodialysis. Meyrier A, et al. *Kidney Int* 4:146-53, Aug 73
- Thalidomide and congenital Charcot's joints. McCredie J. *Lancet* 2:1058-61, 10 Nov 73
- The battered child--1973. When to suspect child abuse. Fontana VJ. *Med Times* 101:116-20 passim, Oct 73
- The syndrome of neonatal copper deficiency. Ashkenazi A, et al. *Pediatrics* 52:525-33, Oct 73
- ^{99m}Tc-diphosphonate concentration in primary breast carcinoma. Berg GR, et al. *Radiology* 109:393-4, Nov 73
- Disseminated extrapulmonary tuberculosis in association with heroin addiction. Firooznia H, et al. *Radiology* 109:291-6, Nov 73
- Heavy-particle radiography. Benton EV, et al. *Science* 182:474-6, 2 Nov 73
- [Pachydermoperiostosis (author's transl)] Fournier AM, et al. *J Radiol Electrol Med Nucl* 54:417-23, May 73 (Fre)
- [Radiological pictures of skeletal changes in infantile hematology diseases] Bellini F. *Minerva Med* 64:2875-83, 21 Jul 73 (Ita)
- [Radiological pictures of Paget's and pagetoid bone diseases] Cosmacini G. *Minerva Med* 64:2859-74, 21 Jul 73 (Ita)
- [Radiological symptomatology of arthrosis and pre-arthrosis] Gluntoli L. *Minerva Med* 64:2921-34, 21 Jul 73 (Ita)
- [Radiological pictures of bone plasmacytoma] Papagni L. *Minerva Med* 64:2893-920, 21 Jul 73 (Ita)
- [Radiological aspects of skeletal changes in lymphosarcoma, reticulosarcoma and in leukemias] Pompili G. *Minerva Med* 64:2884-92, 21 Jul 73 (Ita)
- [Methods of evaluation of the degree of maturity of the newborn] Rusu O, et al. *Pediatratria (Bucur)* 22:207-20, May-Jun 73 (Eng. Abstr.) (Rum)
- [Ossification times for human extremities] Burov SA. *Sud Med Ekspert* 16:11-5, Jul-Sep 73 (Eng. Abstr.) (Rus)

SURGERY

- Reimplantation of amputated digits and hands. Kleinert HE, et al. *Orthop Clin North Am* 4:957-67, Oct 73
- Replantation of a completely amputated distal thumb without venous anastomosis. Case report. Serafini D, et al. *Plast Reconstr Surg* 52:579-82, Nov 73
- [Ultrasonic cutting and welding in clinical surgery] Pollakov VA. *Sov Med* 35:29-34, Jun 72 (Eng. Abstr.) (Rus)

CALCIFICATION, PHYSIOLOGIC

- The effect of fluoride on molar socket healing in the rat. Librus H, et al. *Arch Oral Biol* 18:1283-9, Oct 73
- The effects of avulsion of the inferior alveolar nerve on the mandibular canal of the albino rat. Rea MA, et al. *Arch Oral Biol* 18:1201-4, Sep 73
- Elastin coacervate as a matrix for calcification. Starcher BC, et al. *Biochem Biophys Res Commun* 53:210-6, 2 Jul 73
- Osteocyte types in the developing mouse calvarium. Aaron JE. *Calcif Tissue Res* 12:259-79, 1973
- Analysis of bone composition at the microscopic level. Pugliarello MC, et al. *Calcif Tissue Res* 12:209-16, 1973
- Aspects of the maturation process in growth cartilage in the rat tibia. Kemner NF. *Clin Orthop* 95:288-94, Sep 73
- Induced calcification in the subdermal tissues of the rat. Binnie WH, et al. *J Dent Res* 52:1087-91, Sep-Oct 73
- The influence of a high calcium carbonate intake on bone disease in patients undergoing hemodialysis. Meyrier A, et al. *Kidney Int* 4:146-53, Aug 73
- Letter: No bones. Way ED. *Lancet* 2:1025, 3 Nov 73
- Experimental production of "cauliflower ear" in rabbits. Pandya NJ. *Plast Reconstr Surg* 52:534-7, Nov 73
- Calcification and decalcification rates in vitro. A new technique. Chan MS, et al. *Proc Soc Exp Biol Med* 143:919-24, Sep 73
- Fluorescence and histochemical studies of the calcification-initiating lipofuscin type pigment granules in the shell-repair membrane of the snail,

- Helix pomatia L. Abolins-Krogis A. *Z Zellforsch Mikrosk Anat* 142:205-21, 1973
- [Glycosaminoglycans of the connective tissue (author's transl)] Tomaszewski J. *Postepy Biochem* 19:447-69, 1973 (195 ref.) (Pol)

DRUG EFFECTS

- Inhibition of calcium phosphate mineral growth by proteoglycan aggregate fractions in a synthetic lymph. Cuervo LA, et al. *Calcif Tissue Res* 13:1-10, 1973
- Bone growth in nonambulatory children on oxymetholone and fluoride therapies. Vose GP, et al. *Growth* 37:213-21, Sep 73
- [Vitamin D metabolites as hormones in the regulation of calcium and phosphate metabolism] DeLuca HF, et al. *Monatsschr Kinderheilkd* 121:329-37, Jul 73 (Ger)

CALCITONIN

- Demonstration by immunoperoxidase staining of hyperplasia of parafollicular cells in the thyroid gland in hyperparathyroidism. LiVolsi VA, et al. *J Clin Endocrinol Metab* 37:550-9, Oct 73
- [Homotropic cooperative effects and rising B-F-curves in hormone-antibody reactions (author's transl)] Bartels HJ, et al. *Z Klin Chem Klin Biochem* 11:311-8, Jul 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

- Glucagon as a hypocalcemic and hypophosphatemic agent in the rat. Allapoulos MA, et al. *Gastroenterology* 65:912-8, Dec 73
- A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973

ADVERSE EFFECTS

- [Our experiences with new techniques for the treatment of osteoporosis] Gálvez Falde JM, et al. *Rev Clin Esp* 130:325-30, 31 Aug 73 (Eng. Abstr.) (Spa)

ANALYSIS

- The fine structure of the ultimobranchial body of the chick. Isler H. *Anat Rec* 177:441-59, Nov 73
- Effects of calcium, isuprel and inderal on the calcitonin content of rat thyroid glands. Broulik PD, et al. *Endocrinol Exp (Bratisl)* 7:183-7, Sep 73
- Depletion of secretory granules, calcitonin, and formaldehyde-ozone-induced fluorescence from cat thyroid C cells by vitamin D2 treatment. Hakanson R, et al. *Histochemie* 36:89-96, 19 Jul 73
- Effect of a high calcium prepartal diet on calcium homeostatic mechanisms in thyroid glands, bone, and intestine of cows. Black HE, et al. *Lab Invest* 29:437-48, Oct 73

BIOSYNTHESIS

- Factors affecting incidence of calcitonin-producing tumours in the rat. Triggs SM, et al. *J Pathol* 110:p8, Jul 73
- Letter: Ectopic production of calcitonin. Hansen HH, et al. *Lancet* 2:915, 20 Oct 73
- Letter: Ectopic production of calcitonin. Keynes M, et al. *Lancet* 2:1090, 10 Nov 73

BLOOD

- Ultimobranchial thyroid neoplasms in bulls. A syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. *Cancer* 32:865-78, Oct 73
- Bioassay of human plasma calcitonin. Mazzuoli GF, et al. *Horm Res* 4:190-6, 1973
- Secretion of calcitonin in hypocalcemic states in man. Deftos LJ, et al. *J Clin Invest* 52:3109-14, Dec 73
- Alcohol-stimulated calcitonin release in medullary carcinoma of the thyroid. Cohen SL, et al. *Lancet* 2:1172-3, 24 Nov 73
- Letter: Ectopic production of calcitonin. Keynes M, et al. *Lancet* 2:1090, 10 Nov 73
- [Radio-immunoassay of human thyrocalcitonin. Technique and results in plasma of healthy subjects (author's transl)] Argemí B. *Ann Endocrinol (Paris)* 34:290-2, May-Jun 73 (Eng. Abstr.) (Fre)

- [Calcitonin--interpretation of the test results] Moril H. *Jap J Clin Med* 31:1700-4, 1973 (23 ref.) (Jap)
- [Calcitonin and its significance for the diagnosis of medullary carcinoma of the thyroid] Gautvik KM. *Tidsskr Nor Lægeforen* 93:1143-8, 30 May 73 (27 ref.) (Eng. Abstr.) (Nor)
- [Serum factors protecting calcitonin in Turner's gonadal dysgenesis] Gozariu L, et al. *Stud Cercet Endocrinol* 24:415-21, 1973 (Rum)

ISOLATION & PURIFICATION

- Biologically active moniodinated salmon calcitonin purified by polyacrylamide gel electrophoresis. Ardailiou R, et al. *J Clin Endocrinol Metab* 37:776-82, Nov 73

METABOLISM

- Editorial: Calcitonin in search of a function. *Lancet* 2:771-2, 6 Oct 73

PHARMACODYNAMICS

- Calcitonin effects on plasma and urinary citrate levels in rats. Franklin R, et al. *Am J Physiol* 225:1178-80, Nov 73
- Glucagon as a hypocalcemic and hypophosphatemic agent in the rat. Aliapoulos MA, et al. *Gastroenterology* 65:912-8, Dec 73
- Thyrocaltitonin and the jejunal absorption of calcium, water, and electrolytes in normal subjects. Gray TK, et al. *J Clin Invest* 52:3084-8, Dec 73
- [Histological and enzyme histochemical studies of callus formation after prolonged calcitonin administration in the rat] Tarsoly E, et al. *Acta Chir Acad Sci Hung* 14:171-81, 1973 (Ger)
- [Clinical aspects and physiopathology of rickets. I. Physiopathology] Wilhelm G. *Monatsschr Kinderheilkd* 121:337-45, Jul 73 (Ger)
- [On various aspects of physiopathology of the renal tubule in childhood] Bottone E, et al. *Minerva Pediatr* 25:1119-54, Jul 73 (317 ref.) (Ita)
- [Comparative effects of calcitonin and glucagon on phosphocalcic metabolism in Turner's gonadal dysgenesis] Dascălu R, et al. *Stud Cercet Endocrinol* 24:405-13, 1973 (Rum)
- [Effect of thyrocaltitonin on the contractile function of the heart] Meerson FZ, et al. *Fiziol Zh SSSR* 59:625-31, Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Thyrocaltitonin and the jejunal absorption of calcium, water, and electrolytes in normal subjects. Gray TK, et al. *J Clin Invest* 52:3084-8, Dec 73
- Letter: No bones. Way ED. *Lancet* 2:1025, 3 Nov 73
- Editorial: Calcitonin in search of a function. *Lancet* 2:771-2, 6 Oct 73
- Hormonal regulation of cyclic AMP. Murad F, et al. *Semin Drug Treat* 3:189-202, Autumn 73

SECRETION

- Ultimobranchial thyroid neoplasms in bulls. A syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. *Cancer* 32:865-78, Oct 73
- Secretion of calcitonin in hypocalcemic states in man. Deftos LJ, et al. *J Clin Invest* 52:3109-14, Dec 73
- Alcohol-stimulated calcitonin release in medullary carcinoma of the thyroid. Cohen SL, et al. *Lancet* 2:1172-3, 24 Nov 73
- Letter: Ectopic production of calcitonin. Hansen HH, et al. *Lancet* 2:915, 20 Oct 73
- Editorial: Calcitonin in search of a function. *Lancet* 2:771-2, 6 Oct 73
- Letter: Whence the calcitonin. LiVolsi VA, et al. *N Engl J Med* 289:1314, 13 Dec 73
- [Calcitonin--interpretation of the test results] Moril H. *Jap J Clin Med* 31:1700-4, 1973 (23 ref.) (Jap)

THERAPEUTIC USE

- Ability of thyrocaltitonin to protect against hypercalcemia in adult rats. Harper C, et al. *Endocrinology* 93:1354-9, Dec 73
- The role of diphosphonates in osteoporosis of disuse. Lane JM, et al. *J Trauma* 13:63-9, Oct 73
- A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973

- [Calcitonin and the medullary thyroid carcinoma (author's transl)] Dambacher MA, et al. *Ther Umsch* 30:740-6, Oct 73 (Eng. Abstr.) (Ger)
- [Our experiences with new technics for the treatment of osteoporosis] Gálvez Falde JM, et al. *Rev Clin Esp* 130:325-30, 31 Aug 73 (Eng. Abstr.) (Spa)

CALCIUM

METABOLISM

- The effect of sodium and some other alkali cations on calcium transport in rat duodenum. Wróbel J, et al. *Acta Biochim Pol* 20:249-57, 1973
- Studies in fat necrosis. IV. Anastomosis between the abdominal cavities in rats with and without experimentally induced pancreatitis. Theve NO, et al. *Acta Chir Scand* 139:503-5, 1973
- Investigations on the dynamics of the reaction between tick-borne encephalitis virus and its specific receptor substance. Frisch-Niggemeyer W. *Acta Virol (Praha)* 17:384-90, Sep 73
- Some aspects of ion movements across the membrane of mitochondria isolated from normal and tumour tissues. Rossi CS. *Afr J Med Sci* 4:293-9, Jul 73
- Pathogenesis of osteopetrosis in the la rat: reduced bone resorption due to reduced osteoclast function. Marks SC Jr. *Am J Anat* 138:165-89, Oct 73
- Oxalate metabolism. IV. Hagler L, et al. *Am J Clin Nutr* 26:1073-9, Oct 73 (180 ref.)
- Pseudodiplopathic hypoparathyroidism. Hypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al. *Am J Med* 55:677-86, Nov 73
- Prostaglandins and cellular calcium transport in the pregnant human uterus. Carsten ME. *Am J Obstet Gynecol* 117:824-32, 15 Nov 73
- Effect of inotropic agents on canine trabecular muscle rendered highly permeable to calcium. Nayler WG. *Am J Physiol* 225:918-24, Oct 73
- Calcium binding to nondialyzable components of rat blood under in vivo conditions. Rodan GA, et al. *Am J Physiol* 225:1082-8, Nov 73
- Prostaglandins and the lung. Fanburg BL. *Am Rev Respir Dis* 108:482-9, Sep 73 (51 ref.)
- Recent advances in the understanding of anaesthetic-induced malignant hyperpyrexia. Harrison GG. *Anaesthetist* 22:373-6, Aug 73
- Proceedings: Neonatal calcium metabolism. Barltrop D. *Arch Dis Child* 48:828, Oct 73
- Proceedings: Calcium, phosphorus, and magnesium balance studies in homozygous thalassaemia. Lapatsanis P. *Arch Dis Child* 48:829, Oct 73
- Na-Ca sites in the longitudinal smooth muscle of the guinea-pig ileum and the action of drugs. Burton J, et al. *Arch Int Pharmacodyn Ther* 204:184-6, Jul 73
- Effects of local anesthetics on glucose-stimulated insulin secretion from rat pancreas in vitro. Camu F. *Arch Int Pharmacodyn Ther* 204:368-72, Aug 73
- Inhibition by chlorpromazine of Ca²⁺ plus-activated ATPase in brain microsomes. Godfraind T, et al. *Arch Int Pharmacodyn Ther* 203:400-2, Jun 73
- The action of adrenaline on calcium pump and adenosine triphosphatase activities of intestinal smooth muscle microsomes. Godfraind T, et al. *Arch Int Pharmacodyn Ther* 204:187-90, Jul 73
- Effect of prostaglandins on arterial and venous tone and calcium transport. Greenberg S, et al. *Arch Int Pharmacodyn Ther* 204:373-89, Aug 73
- Contractile response of the aorta of the normotensive and acute and chronic hypertensive rat. Grollman A, et al. *Arch Int Pharmacodyn Ther* 203:376-87, Jun 73
- Effect of glibenclamide upon 45 calcium efflux from perfused islets. Malaisse WJ. *Arch Int Pharmacodyn Ther* 203:403-6, Jun 73
- Na-Ca exchange in smooth muscle cells of taenia coli. Raeymaekers L, et al. *Arch Int Pharmacodyn Ther* 204:196-7, Jul 73
- The dependence of calcium influx into rat intestine on sugars and alkali metals. Patrick G, et al. *Arch Int Physiol Biochim* 81:453-67, Sep 73
- The effects of propranolol on cholesterol-induced atheromatous lesions. Whittington-Coleman PJ, et al. *Atherosclerosis* 18:337-45, Sep-Oct 73
- Cytokins regulate calcium binding to a glycoprotein from fungal cells. LeJohn HB, et al. *Biochem Biophys Res Commun* 54:1053-60, 1 Oct 73
- Cytokins and magnesium ions may control the flow of metabolites and calcium ions through fungal cell

- membranes. LeJohn HB, et al.
Biochem Biophys Res Commun 54:1061-6, 1 Oct 73
- Excitation-contraction coupling in heart. X. Further studies on the energy-linked calcium transport by subcellular particles in the failing heart of myopathic hamster. Sulakhe PV, et al.
Biochem Med 8:18-27, Aug 73
- Kinetics of calcium uptake in normal and dystrophic sarcoplasmic reticulum. Sylvester R, et al.
Biochem Med 8:213-27, Oct 73
- Effect of external pH on the choline entry into the rat diaphragm muscle fibre. Adamić S.
Biochem Pharmacol 22:2433-9, 1 Oct 73
- Effect of 2-aminoethanesulphonic acid (taurine) and 2-hydroxyethane sulphonic acid (isethionic acid) on calcium transport by rat liver mitochondria. Dolara P, et al. *Biochem Pharmacol* 22:2085-94, 1 Sep 73
- Physicochemical and biological studies on the metal-induced conformational change in troponin A. Implication of carboxyl groups in the binding of calcium ion. McCubbin WD, et al.
Biochemistry 12:4228-32, 9 Oct 73
- The role of mitochondrial calcium uptake in contraction and relaxation of the human myometrium. Batra S. *Biochim Biophys Acta* 305:428-32, 30 May 73
- Studies on the relationship between adenylate cyclase activity and calcium transport by cardiac sarcotubular membranes. Dhalla NS, et al.
Biochim Biophys Acta 323:276-84, 11 Oct 73
- Quantitation of Ca^{2+} fluxes in chick calvaria. Scarpace PJ, et al. *Biochim Biophys Acta* 323:267-75, 11 Oct 73
- Effect of ruthenium red on oxidative phosphorylation and the calcium and magnesium content of skeletal muscle mitochondria of normal and BIO 14.6 dystrophic hamsters. Thakar JH, et al.
Biochim Biophys Acta 314:8-14, 26 Jul 73
- Quabain-sensitive and oligomycin-sensitive adenosine-triphosphatase activities of normal human lymphocytes. Ellegaard J, et al.
Br J Haematol 25:309-19, Sep 73
- Effect of repeated treatment of rabbit platelets with low concentrations of thrombin on their function, metabolism and survival. Reimers HJ, et al.
Br J Haematol 25:675-89, Nov 73
- Potential by angiotensin II of noradrenaline-induced contractions of a rabbit isolated thoracic aorta. Day MD, et al.
Br J Pharmacol 48:338P-339P, Jun 73
- Mechanism of calcium exchange at bone surfaces. Groer PG, et al. *Calcif Tissue Res* 12:175-92, 1973
- Calcium metabolism in the rat in relation to prolonged administration of tetracyclines. Gruden N.
Calcif Tissue Res 13:41-6, 1973
- The retention of americium and calcium by the skeleton of growing and mature female rats. Hollins JG, et al. *Calcif Tissue Res* 12:239-46, 1973
- Influence of pyrophosphate on the exchange of calcium and phosphate ions on hydroxyapatite. Jung A, et al. *Calcif Tissue Res* 13:27-40, 1973
- The role of vitamin D metabolites in bone resorption. Reynolds JJ, et al. *Calcif Tissue Res* 12:295-301, 1973
- Effect of the structure of poly(glycol monomethacrylate) gel on the calcification of implants. Sprinell L, et al.
Calcif Tissue Res 13:63-72, 1973
- Effect of hydrochlorothiazide on calcium kinetics in blood vessels. Zsotér TT, et al.
Can J Physiol Pharmacol 51:579-82, Aug 73
- Energy-linked functions of tightly coupled mitochondria isolated from Ehrlich ascites tumor cells. Thorne RF, et al. *Cancer Res* 33:2562-7, Nov 73
- Some properties of adenyl cyclase from Ehrlich tumor cells. Wikström BE, et al.
Cancer Res 33:2714-20, Nov 73
- Role of alkaline phosphatase in intestinal water absorption by eels adapted to sea water. Olde M. *Comp Biochem Physiol [A]* 46:639-45, 1 Dec 73
- Inorganic nutrient uptake and deficiency in algae. Healey FP.
CRC Crit Rev Microbiol 3:69-113, Sep 73 (428 ref.)
- Treatment of acute hypercalcemia with furosemide. Fillastre JP, et al. *Curr Ther Res* 15:641-9, Sep 73
- Effect of phosphate and magnesium infusions on skeletal turnover and renal content of calcium, phosphorus and magnesium in rats. Bellavia JV, et al. *Endocrinology* 93:1294-9, Dec 73
- Actions of beta-blocking agents on membrane excitability of the lobster giant axon. Sasa M, et al. *Eur J Pharmacol* 23:97-103, Jul 73
- Electron microscopic demonstration of calcium in mitochondria of the frog skeletal muscle in situ. Diclescu I, et al. *Exp Cell Res* 82:152-8, Nov 73
- The calcium content of the cellular slime mold, *Dictyostellum discoideum*, during development and differentiation. Maeda Y, et al.
Exp Cell Res 82:125-30, Nov 73
- The effects of cold on corneal thickness and on aqueous humor and blood plasma composition of Rana pipiens. Bitto LZ, et al. *Exp Eye Res* 16:315-25, 10 Aug 73
- Electrolyte content and ultrastructure of the kidney in hamsters with heart failure. Cantin M, et al.
Exp Mol Pathol 19:143-59, Oct 73
- Fact and artifact in the histochemical procedure for myofibrillar ATPase. Guth L.
Exp Neurol 41:440-50, Nov 73
- Lanthanum inhibits Ca^{2+} inward current but not Na^{+} - Ca^{2+} exchange in cardiac muscle. Katzung BG, et al. *Experientia* 29:1073-5, 15 Sep 73
- Depolarization induced calcium release from sarcoplasmic reticulum membrane fragments by changing ionic environment. Kasal M, et al.
FEBS Lett 34:299-301, 15 Aug 73
- Inhibition of fetal osteogenesis by maternal noise stress. Geber WF. *Fed Proc* 32:2101-4, Nov 73
- Red cell membranes: fact and fancy. Reynolds JA. *Fed Proc* 32:2034-8, Oct 73
- Physiological effects of noise. An overview. Welch BL. *Fed Proc* 32:2091-2, Nov 73 (12 ref.)
- The effect of medium-chain triglyceride on 47 calcium absorption in patients with primary biliary cirrhosis. Kehayoglou K, et al. *Gut* 14:653-6, Aug 73
- Comparative metabolism of lead and calcium in young and adult rats. Kostial K, et al.
Int Arch Arbeitsmed 31:159-61, 23 May 73
- Ionized calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al.
Ir J Med Sci 142:223-9, Sep 73
- Magnesium, calcium and phosphorus metabolism in ponies fed varying levels of magnesium. Hintz HF, et al. *J Anim Sci* 37:927-30, Oct 73
- Manganese and sparteine sulfate effects on mineral metabolism. Howes AD, et al.
J Anim Sci 37:455-8, Aug 73
- Analysis of calcium binding and release by canine cardiac relaxing system (sarcoplasmic reticulum). The use of specific inhibitors to construct a two-component model for calcium binding and transport. Entman ML, et al.
J Biol Chem 248:7762-72, 25 Nov 73
- 1,24,25-Trihydroxyvitamin D₃. A metabolite of vitamin D₃ effective on intestine. Holick MF, et al.
J Biol Chem 248:6691-6, 10 Oct 73
- The organic-inorganic relationship in calcified mitochondria. Bonucci E, et al.
J Cell Biol 59:185-211, Oct 73
- The effects of zinc and lanthanum on calcium uptake by mitochondria and fragmented sarcoplasmic reticulum of frog skeletal muscle. Batra S.
J Cell Physiol 82:245-56, Oct 73
- Editorial: Potassium deficiency and heart function. Haddy F. *J Chronic Dis* 26:467-9, Aug 73
- Thyrocalcitonin and the jejunal absorption of calcium, water, and electrolytes in normal subjects. Gray TK, et al. *J Clin Invest* 52:3084-8, Dec 73
- Effect of dietary calcium and age on jejunal calcium absorption in humans studied by intestinal perfusion. Ireland P, et al. *J Clin Invest* 52:2672-81, Nov 73
- Sulfur requirement of lactating dairy cows. II. Utilization of sulfates, molasses, and lignin-sulfonate. Bouchard R, et al. *J Dairy Sci* 56:1429-34, Nov 73
- Sulfur requirement of lactating dairy cows. 3. Fate of sulfur-35 from sodium and calcium sulfate. Bouchard R, et al. *J Dairy Sci* 56:1435-8, Nov 73
- A sequence of biochemical events in the antigen-induced release of chemical mediators from sensitized human lung tissue. Kallner M, et al.
J Exp Med 138:1077-94, 1 Nov 73
- Calcium efflux from internally dialyzed squid giant axons. Dipolo R. *J Gen Physiol* 62:575-89, Nov 73
- Effect of antioxidants and nutrients on lipid peroxidation fluorescent products and aging parameters in the mouse. Tappel A, et al.
J Gerontol 28:415-24, Oct 73
- Effect of mithramycin on normal and abnormal bone turnover. Robins PR, et al.
J Lab Clin Med 82:576-86, Oct 73
- The effects of gallium (Ga^{3+}) on radiocalcium metabolism in tumors. Angbiller LJ.
J Nucl Biol Med 17:1-4, Jan-Mar 73
- Progressive decrease of true intestinal calcium

PARATHYROID AND BONE

- absorption with age in normal man. Alevizaki CC, et al. *J Nucl Med* 14:760-2, Oct 73
- Effect of fluoride on bone formation and strength in Japanese quail. Chan MM, et al. *J Nutr* 103:1431-40, Oct 73
- The importance of calcium and magnesium ions in serum and cerebrospinal fluid during cardiopulmonary bypass. Romero EG, et al. *J Thorac Cardiovasc Surg* 66:668-72, Oct 73
- The role of diphosphonates in osteoporosis of disease. Lane JM, et al. *J Trauma* 13:63-9, Oct 73
- Some histochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al. *Kidney Int* 4:128-40, Aug 73 (60 ref.)
- Effect of a high calcium prepartal diet on calcium homeostatic mechanisms in thyroid glands, bone, and intestine of cows. Black HE, et al. *Lab Invest* 29:437-48, Oct 73
- Letter: Ectopic production of calcitonin. Keynes M, et al. *Lancet* 2:1090, 10 Nov 73
- Letter: Enamel hypoplasia of the teeth associated with neonatal tetany. Stimmler L, et al. *Lancet* 2:1085-6, 10 Nov 73
- Editorial: Calcitonin in search of a function. *Lancet* 2:771-2, 6 Oct 73
- Editorial: Diphosphonate treatment in bone disease. Fleisch H, et al. *N Engl J Med* 289:1419-20, 27 Dec 73
- Editorial: Hyperphosphatemia, hyperparathyroidism and highhead. Kassirer JP. *N Engl J Med* 289:1367-8, 20 Dec 73
- Vitamin D-like action of Solanum malacoxylon on calcium transport by rat intestine. O'Donnell JM, et al. *Nature* 244:357-8, 10 Aug 73
- Involvement of a carbohydrate group in the active site for surface guided reassociation of animal cells. Turner RS, et al. *Nature* 244:509-10, 24 Aug 73
- Two component system for surface guided reassociation of animal cells. Weinbaum G, et al. *Nature* 244:510-2, 24 Aug 73
- Tropomyosin in brain and growing neurones. Fine RE, et al. *Nature [New Biol]* 245:182-6, 10 Oct 73
- Effect of norepinephrine, propranolol and phenolamine on the phosphaturic action of hovine parathyroid extract in man. Leme CE, et al. *Nephron* 11:365-72, 1973
- Alteration of 5-hydroxytryptamine-14C efflux by nicotine in rat brain area slices. Goodman FR, et al. *Neuropharmacology* 12:955-65, Oct 73
- Effect of surface charge on stationary potassium conductivity of the Ranvier node membrane. I. Change in pH of external solution. Mozhaeva GN, et al. *Neurosci Behav Physiol* 6:166-74, Apr-Jun 73
- The accumulation of 32P-polyphosphates of calcium, magnesium, lanthanum and sodium by tumor bearing animals: Its radiotherapeutical significance. Anghileri LJ. *Nucl Med (Stuttg)* 12:163-8, 31 Aug 73
- Phospholipids and calcium uptake in experimental tumors. Anghileri LJ. *Oncology* 28:35-51, 1973
- Calcium and fluoride metabolism in auditory ossicles. A preliminary report. Vigneri JM, et al. *ORL* 35:266-71, 1973
- Suppression by vitamins D2 and D3 of hamster cheek pouch carcinoma induced with 9,10-dimethyl-1,2-benzanthracene with a discussion of the role of intracellular calcium in the development of tumors. Ruhin D, et al. *Pathol Microbiol (Basel)* 39:446-60, 1973
- Evidence of non-specificity of the Ca channel in mammalian myocardial fibre membranes. Substitution of Ca by Sr, Ba or Mg as charge carriers. Kohlhardt M, et al. *Pfluegers Arch* 342:125-36, 17 Aug 73
- Intestinal absorption of 45Ca and 89Sr as affected by Ca, Sr and Mg. Mraz FR. *Poult Sci* 52:1208-9, May 73
- The effects of Chrysaora and Physalia venoms on mitochondrial structure and function. Calton CJ, et al. *Proc Soc Exp Biol Med* 143:971-7, Sep 73
- Caffeine contractures in depolarized heart muscle. De Mello WC, et al. *Res Commun Chem Pathol Pharmacol* 6:1-17, Jul 73
- The molecular and ionic basis of altered myocardial contractility. Kones KJ. *Res Commun Chem Pathol Pharmacol* 5:1-84, Jan 73 (796 ref.)
- Subacute oral toxicity of trisodium nitrilotriacetate (Na3NTA) in dogs. Budny JA, et al. *Toxicol Appl Pharmacol* 26:148-53, Sep 73
- The effect of two jellyfish toxins on calcium ion transport. Calton GJ, et al. *Toxicol* 11:357-60, Jul 73
- Ca ions and excitation-contraction coupling in heart muscle. Carmeliet E, et al. *Verh K Vlaam Acad Geneesk Belg* 35:181-222, 1973 (71 ref.)
- Sulfur in ruminant nutrition. Whanger PD. *World Rev Nutr Diet* 15:225-55, 1972 (147 ref.)
- Calcium binding to phospholipids from experimental tumors. Anghileri LJ. *Z Krebsforsch* 78:337-44, 29 Dec 72
- Action of chloramphenicol, ethidium bromide and N-formyl-methionine on acquisition and retention of a conditioned avoidance reflex in rats] Lahorit H, et al. *Agressologie* 14:17-24, 1973 (Eng. Ahstr.) (Fre)
- Gastrointestinal flora and fat digestion in monogastrics] Demarne Y, et al. *Ann Biol Anim Blochim Biophys* 12:509-24, 1972 (80 ref.) (Eng. Ahstr.) (Fre)
- Effects of a uterine thread on oviposition and egg composition in the hen] Sauveur B, et al. *Ann Biol Anim Blochim Biophys* 12:569-79, 1972 (Eng. Ahstr.) (Fre)
- The year in endocrinology] Alheux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)
- Is plasma calcium chelated by exogenous prostaglandin E1? Barac G, et al. *Arch Int Physiol Blochim* 81:579, Sep 73 (Fre)
- Editorial: Hypocalcemia in cirrhosis and hepatic vitamin D metabolism disorders] Darnis F. *Nouv Presse Med* 2:2443-5, 20 Oct 73 (Fre)
- Increased bone-turnover in osteopetrosis Albers-Schönherg] Kruse HP, et al. *Klin Wochenschr* 51:762-6, 1 Aug 73 (Eng. Ahstr.) (Ger)
- Vitamin D metabolites as hormones in the regulation of calcium and phosphate metabolism] DeLuca HF, et al. *Monatsschr Kinderheilkd* 121:329-37, Jul 73 (Ger)
- Eccrine sweat gland function in chronic alcoholics. II. The magnesium and calcium loss in sweat and urine during heat exposure (author's transl)] Zazgornik J, et al. *Wien Klin Wochenschr* 85:558-60, 17 Aug 73 (Eng. Ahstr.) (Ger)
- Acid-base equilibrium of the human system. Theoretical clinical-diagnostic aspects. IX. Calcium-phosphate metabolism and the acid-base equilibrium in man] Stepniowski M. *Przegl Lek* 30:666-8, 1973 (Pol)
- Comparative effects of calcitonin and glucagon on phosphocalcic metabolism in Turner's gonadal dysgenesis] Dascalu R, et al. *Stud Cercet Endocrinol* 24:405-13, 1973 (Rum)
- Serum factors protecting calcitonin in Turner's gonadal dysgenesis] Gozariu L, et al. *Stud Cercet Endocrinol* 24:415-21, 1973 (Rum)
- Ca2+ transport and free-radical oxidation of lipids in sarcoplasmic reticulum membranes] Kozlov IuP, et al. *Dokl Akad Nauk SSSR* 212:1239-42, 11 Oct 73 (Rus)
- Regulation of calcium and strontium absorption in the small intestine of chickens] Bauman VK, et al. *Fiziol Zh SSSR* 59:639-6, Apr 73 (Eng. Ahstr.) (Rus)
- The influence of the sympathetic nervous system on metabolic processes in the stomach] Zagorodnaya AG, et al. *Fiziol Zh SSSR* 59:940-4, Jun 73 (Rus)
- Parathyroid glands and the stomach] Mosin VI. *Klin Med (Mosk)* 51:106-13, Mar 73 (80 ref.) (Rus)
- Diagnosis of primary hyperparathyroidism] Vladyka LA, et al. *Klin Med (Mosk)* 51:98-106, Mar 73 (Eng. Ahstr.) (Rus)
- Effect of a gaseous medium with insufficient oxygen and excess carbon dioxide on the state of calcium and protein metabolism in the bones and teeth] Volozhin AI, et al. *Patol Fiziol Eksp Ter* 17:20-4, May-Jun 73 (Eng. Ahstr.) (Rus)

CHOLECALCIFEROL

ANALYSIS

- Gas chromatographic determination of vitamin D in cod liver oil, pharmaceuticals and veterinary preparations. Hommes M, et al. *Int J Vitam Nutr Res* 43:271-82, 1973
- 1,24,25-Trihydroxyvitamin D3. A metabolite of vitamin D3 effective on intestine. Hollick MF, et al. *J Biol Chem* 248:6691-6, 10 Oct 73

BIOSYNTHESIS

- Natural and synthetic sources of circulating

PARATHYROID AND BONE

25-hydroxyvitamin D in man. Haddad JG Jr, et al. *Nature* 244:515-6, 24 Aug 73

ISOLATION & PURIFICATION

Gas chromatographic determination of vitamin D in cod liver oil, pharmaceuticals and veterinary preparations. Hommes M, et al. *Int J Vitam Nutr Res* 43:271-82, 1973
1,24,25-Trihydroxyvitamin D₃. A metabolite of vitamin D₃ effective on intestine. Hollick MF, et al. *J Biol Chem* 248:6691-6, 10 Oct 73

METABOLISM

1,24,25-Trihydroxyvitamin D₃. A metabolite of vitamin D₃ effective on intestine. Hollick MF, et al. *J Biol Chem* 248:6691-6, 10 Oct 73
The role of phosphorus restriction in the prevention of secondary hyperparathyroidism in chronic renal disease. Slatopolsky E, et al. *Kidney Int* 4:141-5, Aug 73
Natural and synthetic sources of circulating 25-hydroxyvitamin D in man. Haddad JG Jr, et al. *Nature* 244:515-6, 24 Aug 73

PHARMACODYNAMICS

Control of calcium absorption and intestinal calcium-binding protein synthesis. Bar A, et al. *Biochem Biophys Res Commun* 54:191-6, 5 Sep 73
The role of vitamin D metabolites in bone resorption. Reynolds JJ, et al. *Calcif Tissue Res* 12:295-301, 1973
Vitamin D-like action of Solanum malacoxylon on calcium transport by rat intestine. O'Donnell JM, et al. *Nature* 244:357-8, 10 Aug 73
[Regulation of calcium and strontium absorption in the small intestine of chickens] Bauman VK, et al. *Fiziol Zh SSSR* 59:639-6, Apr 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Suppression by vitamins D₂ and D₃ of hamster cheek pouch carcinoma induced with 9,10-dimethyl-1,2-benzanthracene with a discussion of the role of intracellular calcium in the development of tumors. Ruhin D, et al. *Pathol Microbiol (Basel)* 39:446-60, 1973
[Vitamin D, rickets, and vitamin D-resistant rickets] Müller H. *Ther Ggw* 112:1098-9 passim, Jul 73 (Ger)

DIHYDROTACHYSTEROL

The organic-inorganic relationship in calcified mitochondria. Bonucci E, et al. *J Cell Biol* 59:185-211, Oct 73
[Influence of early postnatal androgenization of female rats on the progeria-like syndrome following administration of dihydrotachysterol] Churý Z. *Cesk Patol* 9:159-64, Aug 73 (Eng. Abstr.) (Cze)

ADMINISTRATION & DOSAGE

Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D₂. Maclaren N, et al. *Pediatr Res* 7:914-22, Nov 73
[Vitamin D metabolites as hormones in the regulation of calcium and phosphate metabolism] DeLuca HF, et al. *Monatsschr Kinderheilkd* 121:329-37, Jul 73 (Ger)

PHARMACODYNAMICS

The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al. *Acta Endocrinol (Kbh)* 73:672-80, Aug 73
Control of calcium absorption and intestinal calcium-binding protein synthesis. Bar A, et al. *Biochem Biophys Res Commun* 54:191-6, 5 Sep 73

PHYSIOLOGY

[Vitamin D metabolites as hormones in the regulation of calcium and phosphate metabolism] DeLuca HF, et al. *Monatsschr Kinderheilkd* 121:329-37, Jul 73 (Ger)

THERAPEUTIC USE

The influence of thyroid hormone on calcium

absorption from the gut in relation to urinary calcium excretion. Lekkerkerker JF, et al. *Acta Endocrinol (Kbh)* 73:672-80, Aug 73
Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS. *Kidney Int* 4:168-73, Aug 73 (56 ref.)
Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D₂. Maclaren N, et al. *Pediatr Res* 7:914-22, Nov 73

ERGOCALCIFEROL

Bibliography of paper and thin-layer chromatography 1966-1969. Vitamins. *J Chromatogr* 498-517, 1972
Natural and synthetic sources of circulating 25-hydroxyvitamin D in man. Haddad JG Jr, et al. *Nature* 244:515-6, 24 Aug 73

ADMINISTRATION & DOSAGE

Postoperative hypoparathyroidism. Hazards from vitamin D therapy. Fähræus B, et al. *Acta Chir Scand* 139:437-41, 1973
Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D₂. Maclaren N, et al. *Pediatr Res* 7:914-22, Nov 73

ADVERSE EFFECTS

Postoperative hypoparathyroidism. Hazards from vitamin D therapy. Fähræus B, et al. *Acta Chir Scand* 139:437-41, 1973

ANALYSIS

Gas chromatographic determination of vitamin D in cod liver oil, pharmaceuticals and veterinary preparations. Hommes M, et al. *Int J Vitam Nutr Res* 43:271-82, 1973

ISOLATION & PURIFICATION

Gas chromatographic determination of vitamin D in cod liver oil, pharmaceuticals and veterinary preparations. Hommes M, et al. *Int J Vitam Nutr Res* 43:271-82, 1973

METABOLISM

Natural and synthetic sources of circulating 25-hydroxyvitamin D in man. Haddad JG Jr, et al. *Nature* 244:515-6, 24 Aug 73
Rickets in developing countries. Oke OL. *World Rev Nutr Diet* 15:86-103, 1972 (59 ref.)

PHARMACODYNAMICS

Depletion of secretory granules, calcitonin, and formaldehyde-ozone-induced fluorescence from cat thyroid C cells by vitamin D₂ treatment. Håkanson R, et al. *Histochemie* 36:89-96, 19 Jul 73

THERAPEUTIC USE

Hereditary pseudo vitamin D deficiency rickets in a Pakistani infant. Sibert JR, et al. *Arch Dis Child* 48:814-6, Oct 73
Suppression by vitamins D₂ and D₃ of hamster cheek pouch carcinoma induced with 9,10-dimethyl-1,2-benzanthracene with a discussion of the role of intracellular calcium in the development of tumors. Ruhin D, et al. *Pathol Microbiol (Basel)* 39:446-60, 1973
Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D₂. Maclaren N, et al. *Pediatr Res* 7:914-22, Nov 73

HYDROXYCHOLECALCIFEROL

ADMINISTRATION & DOSAGE

Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to

PARATHYROID AND BONE

25-hydroxycholecalciferol and to vitamin D2.
Maclaren N, et al. *Pediatr Res* 7:914-22, Nov 73
[Vitamin D metabolites as hormones in the regulation of calcium and phosphate metabolism] DeLuca HF, et al. *Monatsschr Kinderheilkd* 121:329-37, Jul 73 (Ger)

BIOSYNTHESIS

Regulation of vitamin D metabolism: factors influencing the rate of formation of 1,25-dihydroxycholecalciferol by kidney homogenates. Colston KW, et al.
Biochem J 134:817-20, Jul 73
Letter: Phosphorus restriction and vitamin D metabolism. Miller PD.
N Engl J Med 289:1149-50, 22 Nov 73

BLOOD

Natural and synthetic sources of circulating 25-hydroxyvitamin D in man. Haddad JG Jr, et al.
Nature 244:515-6, 24 Aug 73
Influence of disodium dichloromethylene diphosphonate on 25-hydroxycholecalciferol metabolism in rats. Herrath D, et al.
Naunyn-Schmiedeberg's Arch Pharmacol 278:435-40, 26 Jul 73

CHEMICAL SYNTHESIS

[Synthesis of 1 alpha-hydroxycholecalciferol] Fürst A, et al.
Helv Chim Acta 56:1708-19, 1973 (Eng. Abstr.) (Ger)

METABOLISM

Metabolism of tritiated 25-hydroxycholecalciferol in chronically uremic children before and after successful renal homotransplantation. Piel CF, et al.
J Clin Endocrinol Metab 37:944-8, Dec 73
The regulation of vitamin D metabolism. Galante L, et al.
Nature 244:438-40, 17 Aug 73
Influence of disodium dichloromethylene diphosphonate on 25-hydroxycholecalciferol metabolism in rats. Herrath D, et al.
Naunyn-Schmiedeberg's Arch Pharmacol 278:435-40, 26 Jul 73
[Editorial: Hypocalcemia in cirrhosis and hepatic vitamin D metabolism disorders] Darnis F.
Nouv Presse Med 2:2443-5, 20 Oct 73 (Fre)

PHARMACODYNAMICS

The role of vitamin D metabolites in bone resorption. Reynolds JJ, et al. *Calcif Tissue Res* 12:295-301, 1973

PHYSIOLOGY

[Vitamin D metabolites as hormones in the regulation of calcium and phosphate metabolism] DeLuca HF, et al. *Monatsschr Kinderheilkd* 121:329-37, Jul 73 (Ger)

THERAPEUTIC USE

Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D2.
Maclaren N, et al. *Pediatr Res* 7:914-22, Nov 73
[Clinical aspects and pathophysiology of rickets. II. Prevention and therapy] Hövels O.
Monatsschr Kinderheilkd 121:345-7, Jul 73 (Ger)

HYPERCALCEMIA

[Wermer's syndrome or familial polyendocrine adenomatous hyperplasia (2 anatomical cases)] Murie N, et al.
Ann Endocrinol (Paris) 34:190-205, Mar-Apr 73 (Fre)

BLOOD

Serum parathyroid hormone levels in patients with calcium pyrophosphate crystal deposition disease (chondrocalcinosis, pseudogout). Phelps P, et al.
Arthritis Rheum 16:590-6, Sep-Oct 73
Experimental hypercalcaemia and whole blood clotting. Hilgard P. *J Clin Pathol* 26:616-9, Aug 73
[Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T,

et al.

Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)

CHEMICALLY INDUCED

Postoperative hypoparathyroidism. Hazards from vitamin D therapy. Fähræus B, et al.
Acta Chir Scand 139:437-41, 1973
Experimental hypercalcaemia and whole blood clotting. Hilgard P. *J Clin Pathol* 26:616-9, Aug 73
[Clinical aspects and pathophysiology of rickets. II. Prevention and therapy] Hövels O.
Monatsschr Kinderheilkd 121:345-7, Jul 73 (Ger)
[Emergencies in oncology] Nagel GA, et al.
Schweiz Med Wochenschr 103:1259-62, 8 Sep 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Effects of streptozotocin on an islet cell carcinoma with hypercalcaemia. DeWys WD, et al.
Am J Med 55:671-6, Nov 73
Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
Hypocalcaemia associated with metastatic bone disease. A retrospective study. Raskin P, et al.
Arch Intern Med 132:539-43, Oct 73
The outcome of treatment and changes in presentation of primary hyperparathyroidism. Britton DC, et al.
Br J Surg 60:782-5, Oct 73
Hypercalcaemia complicating breast cancer. Clinical features and management. Davis HL Jr, et al.
Oncology 28:126-37, 1973

DIAGNOSIS

Primary hyperparathyroidism in renal calculi. Ghosh BN, et al. *Int Surg* 58:625-7, Sep 73
Ionised calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al.
Ir J Med Sci 142:223-9, Sep 73
Hypercalcaemia complicating breast cancer. Clinical features and management. Davis HL Jr, et al.
Oncology 28:126-37, 1973

DRUG THERAPY

Clinical conference: Hyperparathyroidism: recent studies. *Ann Intern Med* 79:566-81, Oct 73
Treatment of acute hypercalcaemia with furosemide. Fillastre JP, et al. *Curr Ther Res* 15:641-9, Sep 73
Mithramycin treatment of hypercalcaemia associated with malignancy. Tonkin AM.
Med J Aust 2:326-9, 18 Aug 73
[Therapy of life-threatening hypercalcaemia using mithramycin] Dölle W.
Internist (Berlin) 14:289-90, Jun 73 (Ger)
[Calcitonin and the medullary thyroid carcinoma (author's transl)] Damhacher MA, et al.
Ther Umsch 30:740-6, Oct 73 (Eng. Abstr.) (Ger)

ETIOLOGY

Primary hyperparathyroidism and cancer. Farr HW, et al. *Am J Surg* 126:539-43, Oct 73
Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shlmskin PM, et al.
Am J Surg 126:534-8, Oct 73
Serum parathyroid hormone levels in patients with calcium pyrophosphate crystal deposition disease (chondrocalcinosis, pseudogout). Phelps P, et al.
Arthritis Rheum 16:590-6, Sep-Oct 73
Treatment of acute hypercalcaemia with furosemide. Fillastre JP, et al. *Curr Ther Res* 15:641-9, Sep 73
Ionised calcium levels in "normocalcaemic" hyperparathyroidism. Muldowney FP, et al.
Ir J Med Sci 142:223-9, Sep 73
Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.
Kidney Int 4:168-73, Aug 73 (56 ref.)
Mithramycin treatment of hypercalcaemia associated with malignancy. Tonkin AM.
Med J Aust 2:326-9, 18 Aug 73
Letter: Hypercalcaemia after kidney transplant. Lee DB, et al. *N Engl J Med* 289:1256-7, 6 Dec 73
Wenckebach phenomenon in thyrotoxicosis with hypercalcaemia. Kurnick JE, et al.
Rocky Mt Med J 70:46-7, Oct 73
[Clinical applications of radioimmunoassay of plasma parathyroid hormone (author's transl)] Manderlier T,

PARATHYROID AND BONE

et al.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)
[About the nonarteriosclerotic cerebral calcification
(typ Fahr) strumectomy (author's transl)] Noetzel H.
Verh Dtsch Ges Kreislaufforsch 56:573-6, 1972 (Eng.
Abstr.) (Ger)

METABOLISM

The effect of bendroflumethazide on the renal
handling of calcium, magnesium and phosphate in
normocalcaemic renal stone formers and in
hyperparathyroidism. Jorgensen FS, et al.
Acta Med Scand 194:327-34, Oct 73
Effect of phosphate and magnesium infusions on
skeletal turnover and renal content of calcium,
phosphorus and magnesium in rats. Bellavia JV, et al.
Endocrinology 93:1294-9, Dec 73

MORTALITY

Hypercalcaemia complicating breast cancer. Clinical
features and management. Davis HL Jr, et al.
Oncology 28:126-37, 1973

PATHOLOGY

[Ultrastructural observations on mammal and bird
parathyroid glands under normal and experimental
conditions] Stoeckel ME, et al.
Arch Anat Microsc Morphol Exp 62:55-88, Jan-Mar 73
(Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Ability of thyrocalcitonin to protect against
hypercalcaemia in adult rats. Harper C, et al.
Endocrinology 93:1354-9, Dec 73
Effect of mithramycin on normal and abnormal bone
turnover. Robins PR, et al.
J Lab Clin Med 82:576-86, Oct 73

SURGERY

Role of phosphate depletion and high dialysate calcium
in controlling dialytic renal osteodystrophy.
Goldsmith RS, et al. Kidney Int 4:154-60, Aug 73

THERAPY

Hypercalcaemia complicating breast cancer. Clinical
features and management. Davis HL Jr, et al.
Oncology 28:126-37, 1973
[Emergencies in oncology] Nagel GA, et al.
Schweiz Med Wochenschr 103:1259-62, 8 Sep 73 (Eng.
Abstr.) (Ger)

OSTEOGENESIS IMPERFECTA

Osteogenesis imperfecta: morphologic and biochemical
studies of connective tissue. Riley FC, et al.
Pediatr Res 7:757-68, Sep 73

CLASSIFICATION

Current aspects of the surgical treatment of
osteogenesis imperfecta. Williams PF, et al.
Clin Orthop 96:288-98, Oct 73

COMPLICATIONS

Hypercholesterolaemia in osteogenesis imperfecta.
Eustace P. Br J Clin Pract 27:225-7, Jun 73

ENZYMOLOGY

Comparative biochemical study of otosclerosis and
osteogenesis imperfecta. Holdsworth CE, et al.
Arch Otolaryngol 98:336-9, Nov 73

ETIOLOGY

Comparative biochemical study of otosclerosis and
osteogenesis imperfecta. Holdsworth CE, et al.
Arch Otolaryngol 98:336-9, Nov 73

FAMILIAL & GENETIC

Comparative biochemical study of otosclerosis and

osteogenesis imperfecta. Holdsworth CE, et al.
Arch Otolaryngol 98:336-9, Nov 73
[Cavernous hemangioma of the retina as a symptom of
phakomatosis] Mildner I.
Ber Dtsch Ophthalmol Ges 71:610-3, 1972 (Ger)

METABOLISM

Comparative biochemical study of otosclerosis and
osteogenesis imperfecta. Holdsworth CE, et al.
Arch Otolaryngol 98:336-9, Nov 73
Osteogenesis imperfecta: morphologic and biochemical
studies of connective tissue. Riley FC, et al.
Pediatr Res 7:757-68, Sep 73

PATHOLOGY

Osteogenesis imperfecta: morphologic and biochemical
studies of connective tissue. Riley FC, et al.
Pediatr Res 7:757-68, Sep 73
[Osteogenesis imperfecta. Electron microscopy
findings on the sclera and cornea] Elchholtz W.
Ber Dtsch Ophthalmol Ges 71:116-20, 1972 (Eng.
Abstr.) (Ger)
[Histochemical and fine structural findings in the
cornea in osteogenesis imperfecta] Thiel HJ, et al.
Ber Dtsch Ophthalmol Ges 71:114-6, 1972 (Ger)

PHYSIOPATHOLOGY

Pulmonary function studies in osteogenesis
imperfecta. Falvo KA, et al.
Am Rev Respir Dis 108:1258-60, Nov 73

RADIOGRAPHY

Current aspects of the surgical treatment of
osteogenesis imperfecta. Williams PF, et al.
Clin Orthop 96:288-98, Oct 73

SURGERY

Current aspects of the surgical treatment of
osteogenesis imperfecta. Williams PF, et al.
Clin Orthop 96:288-98, Oct 73

OSTEOMALACIA

Rickets in developing countries. Oke OL.
World Rev Nutr Diet 15:86-103, 1972 (59 ref.)

DRUG THERAPY

[Skeletal changes in stomach surgery patients.
Treatment with calcium and vitamin D] Sigstad H.
Tidsskr Nor Laegeforen 93:703, 10 Apr 73 (Nor)

ETIOLOGY

Proceedings: Aetiology of Asian rickets and
osteomalacia in the United Kingdom. Ford JA.
Arch Dis Child 48:827-8, Oct 73
Late clinical and roentgen observations following
Thorotrast administration. Gondos B.
Clin Radiol 24:195-203, Apr 73
[Quantitative analysis of bone changes during chronic
hemodialysis (author's transl)] Dellling G.
Verh Dtsch Ges Kreislaufforsch 56:436-8, 1972 (Eng.
Abstr.) (Ger)
[Skeletal changes in stomach surgery patients.
Treatment with calcium and vitamin D] Sigstad H.
Tidsskr Nor Laegeforen 93:703, 10 Apr 73 (Nor)

FAMILIAL & GENETIC

Gardner's syndrome. A model for correlative radiology.
Dolan KD, et al.
Am J Roentgenol Radlum Ther Nucl Med 119:359-64,
Oct 73
[Familial polyposis, diffuse polyposis and cancer]
Vecerina S, et al. Praxis 62:1036-9, 21 Aug 73 (Fre)

PATHOLOGY

The influence of a high calcium carbonate intake on
bone disease in patients undergoing hemodialysis.
Meyrier A, et al. Kidney Int 4:146-53, Aug 73
[Quantitative analysis of bone changes during chronic
hemodialysis (author's transl)] Dellling G.

PARATHYROID AND BONE

Verh Dtsch Ges Kreislaufforsch 56:436-8, 1972 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Gardner's syndrome. A model for correlative radiology. Dolan KD, et al.
Am J Roentgenol Radium Ther Nucl Med 119:359-64, Oct 73

OSTEOPETROSIS

BLOOD

The osteopetrotic syndrome in the microphthalmic mutant mouse. Murphy HM.
Calcif Tissue Res 13:19-26, 1973

COMPLICATIONS

The osteopetrotic syndrome in the microphthalmic mutant mouse. Murphy HM.
Calcif Tissue Res 13:19-26, 1973

ENZYMOLGY

Pathogenesis of osteopetrosis in the la rat: reduced bone resorption due to reduced osteoclast function. Marks SC Jr. Am J Anat 138:165-89, Oct 73
The osteopetrotic syndrome in the microphthalmic mutant mouse. Murphy HM.
Calcif Tissue Res 13:19-26, 1973

ETIOLOGY

Pathogenesis of osteopetrosis in the la rat: reduced bone resorption due to reduced osteoclast function. Marks SC Jr. Am J Anat 138:165-89, Oct 73
[Increased bone-turnover in osteopetrosis Albers-Schönberg] Kruse HP, et al.
Klin Wochenschr 51:762-6, 1 Aug 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

[Increased bone-turnover in osteopetrosis Albers-Schönberg] Kruse HP, et al.
Klin Wochenschr 51:762-6, 1 Aug 73 (Eng. Abstr.) (Ger)

METABOLISM

Pathogenesis of osteopetrosis in the la rat: reduced bone resorption due to reduced osteoclast function. Marks SC Jr. Am J Anat 138:165-89, Oct 73
[Increased bone-turnover in osteopetrosis Albers-Schönberg] Kruse HP, et al.
Klin Wochenschr 51:762-6, 1 Aug 73 (Eng. Abstr.) (Ger)

PATHOLOGY

The osteopetrotic syndrome in the microphthalmic mutant mouse. Murphy HM.
Calcif Tissue Res 13:19-26, 1973

PHYSIOPATHOLOGY

[Increased bone-turnover in osteopetrosis Albers-Schönberg] Kruse HP, et al.
Klin Wochenschr 51:762-6, 1 Aug 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

[Pachydermoperiostosis (author's transl)] Fournier AM, et al.
J Radiol Electrol Med Nucl 54:417-23, May 73 (Frc)
[Radiological pictures of skeletal changes in infantile hematologic diseases] Bellini F.
Minerva Med 64:2875-83, 21 Jul 73 (Ita)

VETERINARY

The osteopetrotic syndrome in the microphthalmic mutant mouse. Murphy HM.
Calcif Tissue Res 13:19-26, 1973

OSTEOPOROSIS

Polycentric knee arthroplasty. A review of 84 patients with more than one year follow-up. Bryan RS, et al.
Clin Orthop 94:136-9, Jul-Aug 73
Genu valgum and osteoporosis in an area of endemic fluorosis. Krishnamachari KA, et al.
Lancet 2:877-9, 20 Oct 73

BLOOD

[The clinical application of a chromatographic semiquantitative method for the determination of the vitamin-D level in blood (author's transl)] Weibbenbacher G, et al.
Wien Klin Wochenschr 85:809-11, 7 Dec 73 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Painful feet in rheumatoid arthritis. Minaker K, et al.
Can Med Assoc J 109:724-5 passim, 20 Oct 73
Letter: Intravenous aminophylline and osteoporosis. Holló I. Lancet 2:1203, 24 Nov 73
[Skeletal changes in so-called vinyl chloride disease] Stein G, et al.
Roentgenblatter 26:350-5, Aug 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

Femoral head alive 16 years after a non-consolidated intracapsular fracture of the femoral neck. An anatomical and radiological study. Lagier R, et al.
Ann Rheum Dis 32:460-5, Sep 73
Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. J Urol 110:410-2, Oct 73
Case II (low back pain due to osteoporosis and fracture). Schultz M.
Proc Mine Med Off Assoc 52:53, Sep-Dec 72
Nutrition and disease. Gopalan C, et al.
World Rev Nutr Diet 16:97-140, 1973 (158 ref.)

DIAGNOSIS

Chronic idiopathic hyperphosphatasia in an Indian child. Desai MP, et al. Am J Dis Child 126:626-8, Nov 73
Stature and aging. Kalliomäki JL, et al.
J Am Geriatr Soc 21:504-6, Nov 73
The syndrome of neonatal copper deficiency. Ashkenazi A, et al. Pediatrics 52:525-33, Oct 73
Bone indexes and cortical thickness in assessing osteoporosis in rheumatic patients. Havelka S, et al.
Scand J Rheumatol 2:57-60, 1973
[Evaluation of osteoporosis by quantitative 125I transmission profile scanning] Breuel HP, et al.
Klin Wochenschr 51:767-8, 1 Aug 73 (Eng. Abstr.) (Ger)
[What would be your diagnosis?]
Med Klin 68:1055-6, 10 Aug 73 (Ger)
[Organ changes in atherosclerosis] Wysocka K, et al.
Wiad Lek 26:1693-7, 15 Sep 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

Synthetic lysine vasopressin in herpetic neuralgia. Forssman O, et al.
Acta Derm Venereol (Stockh) 53:359-62, 1973
Evaluation of intravenous calcium as therapy for osteoporosis. Dudl RJ, et al. Am J Med 55:631-7, Nov 73
The treatment of menopausal disorders. Connors AF. Drugs 6:137-42, 1973
Bone growth in nonambulatory children on oxymetolone and fluoride therapies. Vose GP, et al.
Growth 37:213-21, Sep 73
Guest editorial: Exogenous hormones--boon or culprit? Wynder EL, et al. J Natl Cancer Inst 51:729-31, Sep 73
Pituitary-testicular function in a hypogonadal male subject. Younglai EV, et al. J Urol 110:410-2, Oct 73
[Skeletal changes in stomach surgery patients. Treatment with calcium and vitamin D] Sigstad H. Tidsskr Nor Laegeforen 93:703, 10 Apr 73 (Nor)
[Our experiences with new techniques for the treatment of osteoporosis] Gálvez Falde JM, et al.
Rev Clin Esp 130:325-30, 31 Aug 73 (Eng. Abstr.) (Spa)

ETIOLOGY

Radiation necrosis of the humerus. A report of three cases. Sengupta S, et al.
Acta Radiol [Ther] (Stockh) 12:313-20, Aug 73

PARATHYROID AND BONE

Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Altken JM, et al. *Br Med J* 3:515-8, 8 Sep 73

Shiers' alloplasty of the knee. Phillips RS. *Clin Orthop* 94:122-7, Jul-Aug 73

Influence of diphosphonates on progress of experimentally induced osteoporosis. Jowsey J, et al. *J Lab Clin Med* 82:567-75, Oct 73

Systemic mastocytosis. Issroff SW, et al. *S Afr Med J* 47:1576-80, 8 Sep 73

[Evaluation of osteoporosis by quantitative 125I transmission profile scanning] Breuel HP, et al. *Klin Wochenschr* 51:767-8, 1 Aug 73 (Eng. Abstr.) (Ger)

[Bicarbonate renal diabetes (proximal or type II renal tubular acidosis) as a cause of marked hypercalciuria, nephrolithiasis, osteoporotic rickets and delayed somatogential and skeletal development] Matteini M, et al. *Minerva Pediatr* 25:1215-8, Aug 73 (Ita)

[Skeletal changes in stomach surgery patients. Treatment with calcium and vitamin D] Sigstad H. *Tidsskr Nor Laegeforen* 93:703, 10 Apr 73 (Nor)

FAMILIAL & GENETIC

Genetic factors in determining bone mass. Smith DM, et al. *J Clin Invest* 52:2800-8, Nov 73

PATHOLOGY

Chronic idiopathic hyperphosphatasia in an Indian child. Desai MP, et al. *Am J Dis Child* 126:626-8, Nov 73

Healing trabecular microfractures in the bodies of lumbar vertebrae. Vernon-Roberts B, et al. *Ann Rheum Dis* 32:406-12, Sep 73

[Multiglandular insufficiency syndrome. Hypoparathyroidism--Addison's disease--moniliasis] Mitschke H, et al. *Dtsch Med Wochenschr* 98:1666-9, 7 Sep 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

The treatment of menopausal disorders. Cannon AF. *Drugs* 6:137-42, 1973

Bone growth in nonambulatory children on oxymetholone and fluoride therapies. Vose GP, et al. *Growth* 37:213-21, Sep 73

PREVENTION & CONTROL

Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Altken JM, et al. *Br Med J* 3:515-8, 8 Sep 73

Total knee replacement-the Walldius hinge. Jones GB. *Clin Orthop* 94:50-7, Jul-Aug 73

Influence of diphosphonates on progress of experimentally induced osteoporosis. Jowsey J, et al. *J Lab Clin Med* 82:567-75, Oct 73

The role of diphosphonates in osteoporosis of disuse. Lane JM, et al. *J Trauma* 13:63-9, Oct 73

RADIOGRAPHY

Chronic idiopathic hyperphosphatasia in an Indian child. Desai MP, et al. *Am J Dis Child* 126:626-8, Nov 73

Primary subacute pyogenic osteomyelitis in children. A study of four cases. Schulte L. *Arch Chir Neerl* 25:283-91, 1973

Painful feet in rheumatoid arthritis. Minaker K, et al. *Can Med Assoc J* 109:724-5 passim, 20 Oct 73

Radiology of the infected joint. Butt WP. *Clin Orthop* 96:136-49, Oct 73

Systemic mastocytosis. Issroff SW, et al. *S Afr Med J* 47:1576-80, 8 Sep 73

[Skeletal changes in so-called vinyl chloride disease] Stein G, et al. *Roentgenblaetter* 26:350-5, Aug 73 (Eng. Abstr.) (Ger)

[Radiological pictures of bone plasmacytoma] Papagni L. *Minerva Med* 64:2893-920, 21 Jul 73 (Ita)

SURGERY

Total hip replacement: metal against metal. Review and analysis of cases--1961-1972. Smith RD. *Clin Orthop* 95:43-7, Sep 73

PSEUDOHYPOPARATHYROIDISM

Pseudohypoparathyroidism: a case report and family study. Wong Chin Kim. *Med J Malaysia* 27:289-91, Jun 73

BLOOD

Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

CLASSIFICATION

Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

DIAGNOSIS

Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

ETIOLOGY

Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

METABOLISM

Secretion of calcitonin in hypocalcemic states in man. Deftos LJ, et al. *J Clin Invest* 52:3109-14, Dec 73

Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

[Cyclic AMP and some disease processes (author's transl)] Klenerová V, et al. *Cas Lek Cesk* 112:1057-62, 31 Jul 73 (Eng. Abstr.) (Cze)

PATHOLOGY

[Hereditary kidney diseases] Drucker A. *Harefuah* 85:221-7, 2 Sep 73 (72 ref.) (Heb)

PHYSIOPATHOLOGY

Manual and oral stereognosis in children with cleft palate, gonadal dysgenesis, pseudohypoparathyroidism, oral facial digital syndrome and Kallman's syndrome. Catalanotto FA, et al. *Arch Oral Biol* 18:1227-32, Oct 73

Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

[On various aspects of physiopathology of the renal tubule in childhood] Bottone E, et al. *Minerva Pediatr* 25:1119-54, Jul 73 (317 ref.) (Ita)

URINE

Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73

RENAL OSTEODYSTROPHY

Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al. *Kidney Int* 4:128-40, Aug 73 (60 ref.)

BLOOD

[The clinical application of a chromatographic semiquantitative method for the determination of the vitamin-D level in blood (author's transl)] Weithenbacher G, et al. *Wien Klin Wochenschr* 85:809-11, 7 Dec 73 (Eng. Abstr.) (Ger)

COMPLICATIONS

A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973

A review: short stature in renal disease. Stickler GB, et al. *Pediatr Res* 7:978-82, Dec 73

DIAGNOSIS

The use of photon absorptiometry in the diagnosis of renal osteodystrophy. Griffiths HJ, et al. *Radiology* 109:277-81, Nov 73

DRUG THERAPY

Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al. *Kidney Int* 4:128-40, Aug 73 (60 ref.)
The influence of a high calcium carbonate intake on bone disease in patients undergoing hemodialysis. Meyrier A, et al. *Kidney Int* 4:146-53, Aug 73
The treatment of chronic renal failure in children by regular dialysis and by transplantation. Cameron JS. *Nephron* 11:221-51, 1973
A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973

ETIOLOGY

Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy. Goldsmith RS, et al. *Kidney Int* 4:154-60, Aug 73
The treatment of chronic renal failure in children by regular dialysis and by transplantation. Cameron JS. *Nephron* 11:221-51, 1973
[Quantitative analysis of bone changes during chronic hemodialysis (author's transl)] Dellling G. *Verh Dtsch Ges Kreislaufforsch* 56:436-8, 1972 (Eng. Abstr.) (Ger)
[Osteopathy in maintenance hemodialysis (author's transl)] Krempien B, et al. *Verh Dtsch Ges Kreislaufforsch* 56:439-42, 1972 (Eng. Abstr.) (Ger)

PATHOLOGY

[Quantitative analysis of bone changes during chronic hemodialysis (author's transl)] Dellling G. *Verh Dtsch Ges Kreislaufforsch* 56:436-8, 1972 (Eng. Abstr.) (Ger)
[Osteopathy in maintenance hemodialysis (author's transl)] Krempien B, et al. *Verh Dtsch Ges Kreislaufforsch* 56:439-42, 1972 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy. Goldsmith RS, et al. *Kidney Int* 4:154-60, Aug 73

RADIOGRAPHY

The influence of a high calcium carbonate intake on bone disease in patients undergoing hemodialysis. Meyrier A, et al. *Kidney Int* 4:146-53, Aug 73
The use of photon absorptiometry in the diagnosis of renal osteodystrophy. Griffiths HJ, et al. *Radiology* 109:277-81, Nov 73

THERAPY

A trial of calcitonin therapy in renal osteodystrophy. Delano BG, et al. *Nephron* 11:287-93, 1973

RICKETS

Rickets in Appalachia during the early years; an interview. Reeves JL. *NC Med J* 34:799-800, Oct 73
Rickets in developing countries. Oke OL. *World Rev Nutr Diet* 15:86-103, 1972 (59 ref.)
[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrilia* 52:83-8, Jul 73 (Rus)

BLOOD

[The clinical application of a chromatographic semiquantitative method for the determination of the vitamin-D level in blood (author's transl)] Weibbenbacher G, et al. *Wien Klin Wochenschr* 85:809-11, 7 Dec 73 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Letter: Anticonvulsant drugs and vitamin D

metabolism. Livingston S, et al.

JAMA 226:787, 12 Nov 73

Antiepileptic therapy and rickets in children. Leonidas JC, et al. *Radiology* 109:409-12, Nov 73

COMPLICATIONS

Proximal renal tubular acidosis in vitamin D deficiency rickets. Guignard JP, et al. *Acta Paediatr Scand* 62:543-6, Sep 73
Orthotic treatment of tibiotalar deformity in an elephant. Siegel IM. *J Am Vet Med Assoc* 163:544-5, 15 Sep 73
Alveolar bone resorption in a child with healing rickets: report of case. Ghose LJ. *J Dent Child* 40:472-4, Nov-Dec 73
[Disease-specific lung change in rickets] Fuchs G, et al. *Monatsschr Kinderheilkd* 121:368-9, Jul 73 (Ger)
[Vitamin D requirements in atypical forms of rickets] Heiwig H, et al. *Monatsschr Kinderheilkd* 121:362-4, Jul 73 (Ger)
[Pulmonary rickets] Petrescu-Coman V, et al. *Monatsschr Kinderheilkd* 121:366-8, Jul 73 (Ger)
[Infection resistance in rickets] Ströder J. *Monatsschr Kinderheilkd* 121:354-9, Jul 73 (Ger)
[Rickets lung. Experimental studies on rat lungs] Klemencic J, et al. *Radiologe* 13:220-3, May 73 (Ger)
[Trace element deficiency in rickets. Contents of copper, manganese, iron, cobalt and nickel in the organs and tissues of albino rats] Miakisheva LS. *Pediatrilia* 51:66-7, May 73 (Rus)

DRUG THERAPY

Proximal renal tubular acidosis in vitamin D deficiency rickets. Guignard JP, et al. *Acta Paediatr Scand* 62:543-6, Sep 73
Hereditary pseudo vitamin D deficiency rickets in a Pakistani infant. Sibert JR, et al. *Arch Dis Child* 48:814-6, Oct 73
[Vitamin D requirements in atypical forms of rickets] Heiwig H, et al. *Monatsschr Kinderheilkd* 121:362-4, Jul 73 (Ger)

ENZYMOLGY

[Clinical aspects and physiopathology of rickets. I. Physiopathology] Wilhelm G. *Monatsschr Kinderheilkd* 121:337-45, Jul 73 (Ger)

ETIOLOGY

Proceedings: Aetiology of Asian rickets and osteomalacia in the United Kingdom. Ford JA. *Arch Dis Child* 48:827-8, Oct 73
[Changes of kidney function in vitamin-D-deficiency rickets] Krohn HP, et al. *Monatsschr Kinderheilkd* 121:327-8, Jul 73 (Ger)
[Bicarbonate renal diabetes (proximal or type II renal tubular acidosis) as a cause of marked hypercalciuria, nephrolithiasis, osteoporotic rickets and delayed somatogenital and skeletal development] Matteini M, et al. *Minerva Pediatr* 25:1215-8, Aug 73 (Ita)

FAMILIAL & GENETIC

Hereditary pseudo vitamin D deficiency rickets in a Pakistani infant. Sibert JR, et al. *Arch Dis Child* 48:814-6, Oct 73
Ancient linkage groups and frozen accidents. Ono S. *Nature* 244:259-62, 3 Aug 73
[Vitamin-D-resistant forms of rickets] Prader A. *Monatsschr Kinderheilkd* 121:348-53, Jul 73 (Ger)

HISTORY

Rickets in Appalachia during the early years; an interview. Reeves JL. *NC Med J* 34:799-800, Oct 73

METABOLISM

Proximal renal tubular acidosis in vitamin D deficiency rickets. Guignard JP, et al. *Acta Paediatr Scand* 62:543-6, Sep 73
Proceedings: Study of enzyme induction in epileptic children. Davidson DC, et al. *Arch Dis Child* 48:831, Oct 73
[Morphology and histochemistry of skeletal muscle in rickets] Schimrigk K, et al. *Monatsschr Kinderheilkd* 121:372-4, Jul 73 (Ger)

RICKETS

PARATHYROID AND BONE

[Regulation of calcium and strontium absorption in the small intestine of chickens] Bauman VK, et al. *Fiziol Zh SSSR* 59:839-6, Apr 73 (Eng. Abstr.) (Rus)
[Trace element deficiency in rickets. Contents of copper, manganese, iron, cobalt and nickel in the organs and tissues of albino rats] Miakisheva LS. *Pediatrics* 51:66-7, May 73 (Rus)

OCCURRENCE

[Current status of rickets prevention in the Federal Republic of Germany. Results of an inquiry] Wolf H, et al. *Monatsschr Kinderheilkd* 121:360-1, Jul 73 (Ger)
[Biometeorological aspects in deficiency rickets] Caloca-Moreno V, et al. *Arch Invest Med (Mex)* 4:115-24, 1973 (Eng. Abstr.) (Spa)

PATHOLOGY

A simple histological method for identification of osteoid matrix in decalcified bone. Yoshiki S. *Stain Technol* 48:233-8, Sep 73
[Pulmonary rickets] Petrescu-Coman V, et al. *Monatsschr Kinderheilkd* 121:366-8, Jul 73 (Ger)
[Morphology and histochemistry of skeletal muscle in rickets] Schimrigk K, et al. *Monatsschr Kinderheilkd* 121:372-4, Jul 73 (Ger)
[Rickets lung. Experimental studies on rat lungs] Klemencic J, et al. *Radiologie* 13:220-3, May 73 (Ger)

PHYSIOPATHOLOGY

[Changes of kidney function in vitamin-D-deficiency rickets] Krohn HP, et al. *Monatsschr Kinderheilkd* 121:327-8, Jul 73 (Ger)
[Clinical aspects and physiopathology of rickets. I. Physiopathology] Wilhelm G. *Monatsschr Kinderheilkd* 121:337-45, Jul 73 (Ger)
[On various aspects of physiopathology of the renal tubule in childhood] Bottone E, et al. *Minerva Pediatr* 25:1119-54, Jul 73 (317 ref.) (Ita)

PREVENTION & CONTROL

[Clinical aspects and physiopathology of rickets. II. Prevention and therapy] Hövels O. *Monatsschr Kinderheilkd* 121:345-7, Jul 73 (Ger)
[Current status of rickets prevention in the Federal Republic of Germany. Results of an inquiry] Wolf H, et al. *Monatsschr Kinderheilkd* 121:360-1, Jul 73 (Ger)
[Vitamin D, rickets, and vitamin D-resistant rickets] Müller H. *Ther Ggw* 112:1098-9 passim, Jul 73 (Ger)

RADIOGRAPHY

A review: short stature in renal disease. Stickler GB, et al. *Pediatr Res* 7:978-82, Dec 73
[Disease-specific lung change in rickets] Fuchs G, et al. *Monatsschr Kinderheilkd* 121:368-9, Jul 73 (Ger)
[Rickets lung. Experimental studies on rat lungs] Klemencic J, et al. *Radiologie* 13:220-3, May 73 (Ger)
[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

THERAPY

Alveolar bone resorption in a child with healing rickets: report of case. Ghose LJ. *J Dent Child* 40:472-4, Nov-Dec 73
[Clinical aspects and physiopathology of rickets. II. Prevention and therapy] Hövels O. *Monatsschr Kinderheilkd* 121:345-7, Jul 73 (Ger)

VETERINARY

Orthotic treatment of tibiotarsal deformity in an elephant. Siegel IM. *J Am Vet Med Assoc* 163:544-5, 15 Sep 73
[Regulation of calcium and strontium absorption in the small intestine of chickens] Bauman VK, et al. *Fiziol Zh SSSR* 59:839-6, Apr 73 (Eng. Abstr.) (Rus)

RICKETS, VITAMIN D RESISTANT

[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

BLOOD

Parathyroid hormone secretion in familial vitamin-D-resistant rickets. Reitz RE, et al. *N Engl J Med* 289:941-5, 1 Nov 73

CHEMICALLY INDUCED

Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D2. MacLaren N, et al. *Pediatr Res* 7:914-22, Nov 73

CLASSIFICATION

[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

DIAGNOSIS

[Vitamin-D-resistant forms of rickets] Prader A. *Monatsschr Kinderheilkd* 121:348-53, Jul 73 (Ger)

DRUG THERAPY

Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D2. MacLaren N, et al. *Pediatr Res* 7:914-22, Nov 73
[Quantitative skeletal mineral salt determination in genuine vitamin-D-resistant rickets during long-term vitamin D therapy] Schuster W. *Monatsschr Kinderheilkd* 121:369-72, Jul 73 (Ger)
[Vitamin D, rickets, and vitamin D-resistant rickets] Müller H. *Ther Ggw* 112:1098-9 passim, Jul 73 (Ger)
[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

ETIOLOGY

[Vitamin-D-resistant forms of rickets] Prader A. *Monatsschr Kinderheilkd* 121:348-53, Jul 73 (Ger)

FAMILIAL & GENETIC

Parathyroid hormone secretion in familial vitamin-D-resistant rickets. Reitz RE, et al. *N Engl J Med* 289:941-5, 1 Nov 73
[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

METABOLISM

Parathyroid hormone secretion in familial vitamin-D-resistant rickets. Reitz RE, et al. *N Engl J Med* 289:941-5, 1 Nov 73
[Quantitative skeletal mineral salt determination in genuine vitamin-D-resistant rickets during long-term vitamin D therapy] Schuster W. *Monatsschr Kinderheilkd* 121:369-72, Jul 73 (Ger)

PHYSIOPATHOLOGY

Parathyroid hormone secretion in familial vitamin-D-resistant rickets. Reitz RE, et al. *N Engl J Med* 289:941-5, 1 Nov 73

RADIOGRAPHY

Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D2. MacLaren N, et al. *Pediatr Res* 7:914-22, Nov 73
[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

TETANY

BLOOD

[Serum electrolyte and alkaline reserve in latent tetany] Czerniakowska K, et al. *Pol Tyg Lek* 28:1355-7, 27 Sep 73 (Eng. Abstr.) (Pol)

CHEMICALLY INDUCED

Psoriasis exacerbated by hypoparathyroidism with

PARATHYROID AND BONE VITAMIN D

hypocalcaemia. Risum G.
Br J Dermatol 89:309-12, Sep 73

COMPLICATIONS

Pseudohypoparathyroidism.
Hypoparathyroidism with ineffective parathyroid hormone. Nusynowitz ML, et al.
Am J Med 55:677-86, Nov 73
Reimplantation of autogenous parathyroid tissue: an experimental study. Matsuura H, et al.
J Surg Oncol 5:297-305, 1973
Enamel hypoplasia of the teeth associated with neonatal tetany: a manifestation of maternal vitamin-D deficiency. Purvis RJ, et al.
Lancet 2:811-4, 13 Oct 73
Letter: Enamel hypoplasia of the teeth associated with neonatal tetany. Stimmier L, et al.
Lancet 2:1085-6, 10 Nov 73
Anhidrotic ectodermal dysplasia: infant with hypomagnesaemia and secondary hypocalcaemia.
Greenwood RD, et al. South Med J 66:1068-9, Sep 73

DIAGNOSIS

Tetany disposition as a risk factor in pilots. Oberholz H, et al. Aerosp Med 44:1117-9, Oct 73
Outbreak of abdominal pain. Smith HC, et al.
Lancet 2:956-8, 27 Oct 73

DRUG THERAPY

Lactational tetany in cats.
Mod Vet Pract 54:95 passim, Sep 73

ETIOLOGY

Wasting disease and tetany following neonatal pneulectomy. Caaba G, et al.
Acta Med Acad Sci Hung 29:231-40, 1973
Tetany disposition as a risk factor in pilots. Oberholz H, et al. Aerosp Med 44:1117-9, Oct 73
Lactational tetany in cats.
Mod Vet Pract 54:95 passim, Sep 73
[Magnesium metabolism in the newborn period] Bethge K, et al.
Monatsschr Kinderheilkd 121:319-21, Jul 73 (Ger)
[Implantation of pig parathyroid glands in a severe case of tetany following strumectomy] Jeslpowicz M, et al.
Wlad Lek 28:1543-5, 15 Aug 73 (Pol)

PREVENTION & CONTROL

Editorial: Fulminant hepatic failure. Hussey HH.
JAMA 228:1227, 3 Dec 73

THERAPY

Editorial: Hyperphosphatemia, hyperparathyroidism and bighead. Kassirer JP.
N Engl J Med 289:1367-8, 20 Dec 73
[Implantation of pig parathyroid glands in a severe case of tetany following strumectomy] Jeslpowicz M, et al.
Wlad Lek 28:1543-5, 15 Aug 73 (Pol)

VETERINARY

Lactational tetany in cats.
Mod Vet Pract 54:95 passim, Sep 73

VITAMIN A

ADMINISTRATION & DOSAGE

Retention of Zn-65, Sr-85, Sr-89 and Ce-144 in rats following intramuscular injections of vitamins A or D. Szot Z, et al. Acta Physiol Pol 24:577-86, Jul-Aug 73

PHARMACODYNAMICS

Retention of Zn-65, Sr-85, Sr-89 and Ce-144 in rats following intramuscular injections of vitamins A or D. Szot Z, et al. Acta Physiol Pol 24:577-86, Jul-Aug 73

POISONING

Overnutrition. Young CM.
World Rev Nutr Diet 16:179-202, 1973 (74 ref.)

THERAPEUTIC USE

Hereditary pseudo vitamin D deficiency rickets in a Pakistani infant. Silbert JR, et al.
Arch Dis Child 48:814-6, Oct 73
The management of patients with diarrhoea resulting from ileal dysfunction. Eastwood MA, et al.
Scott Med J 18:152-6, Sep 73

VITAMIN D

The effect of milk diet on lead metabolism in rats. Kello D, et al. Environ Res 6:355-60, Sep 73
Study of metastatic calcification due to vitamin D. Földes I, et al. Folia Morphol (Praga) 21:169-71, 1973
[Vitamin D, rickets, and vitamin D-resistant rickets] Müller H. Ther Ggw 112:1098-9 passim, Jul 73 (Ger)
[Editorial: The routine addition of vitamin D to cow's milk] Winter S. Harefuah 85:145-6, 1 Aug 73 (Heb)

ADMINISTRATION & DOSAGE

Retention of Zn-65, Sr-85, Sr-89 and Ce-144 in rats following intramuscular injections of vitamins A or D. Szot Z, et al. Acta Physiol Pol 24:577-86, Jul-Aug 73
Vitamin D and adenosine triphosphatase dependent on divalent cations in rat intestinal mucosa. Kowarski S, et al. J Clin Invest 52:2765-73, Nov 73
Reimplantation of autogenous parathyroid tissue: an experimental study. Matsuura H, et al.
J Surg Oncol 5:297-305, 1973
[Vitamin D metabolites as hormones in the regulation of calcium and phosphate metabolism] DeLuca HF, et al. Monatsschr Kinderheilkd 121:329-37, Jul 73 (Ger)
[Vitamin D requirements in atypical forms of rickets] Helwig H, et al.
Monatsschr Kinderheilkd 121:362-4, Jul 73 (Ger)
[Hazards of vitamin D overdose--animal experiment studies] Spleess H.
Monatsschr Kinderheilkd 121:364-5, Jul 73 (Ger)
[Current status of rickets prevention in the Federal Republic of Germany. Results of an inquiry] Wolf H, et al. Monatsschr Kinderheilkd 121:360-1, Jul 73 (Ger)

ADVERSE EFFECTS

[Clinical aspects and physiopathology of rickets. II. Prevention and therapy] Hövels O.
Monatsschr Kinderheilkd 121:345-7, Jul 73 (Ger)
[Hazards of vitamin D overdose--animal experiment studies] Spleess H.
Monatsschr Kinderheilkd 121:364-5, Jul 73 (Ger)

ANALYSIS

Gas chromatographic determination of vitamin D in cod liver oil, pharmaceuticals and veterinary preparations. Hommes M, et al.
Int J Vitam Nutr Res 43:271-82, 1973

BIOSYNTHESIS

The role of glycine in the biosynthesis of sterols. Bose AK, et al. Experientia 29:939-40, 15 Aug 73
[Vitamin D and the kidney] Verbanck M.
Praxis 62:955-8, 31 Jul 73 (Fre)

BLOOD

[The clinical application of a chromatographic semiquantitative method for the determination of the vitamin-D level in blood (author's transl)] Welbberbacher G, et al.
Wien Klin Wochenschr 85:809-11, 7 Dec 73 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

Gas chromatographic determination of vitamin D in cod liver oil, pharmaceuticals and veterinary preparations. Hommes M, et al.
Int J Vitam Nutr Res 43:271-82, 1973

METABOLISM

Proceedings: Study of enzyme induction in epileptic children. Davidson DC, et al.
Arch Dis Child 48:831, Oct 73
Regulation of vitamin D metabolism: factors influencing the rate of formation of

- 1,25-dihydroxycholecalciferol by kidney homogenates. Colston KW, et al. *Biochem J* 134:817-20, Jul 73
- Letter: Anticonvulsant drugs and vitamin D metabolism. Livingston S, et al. *JAMA* 226:787, 12 Nov 73
- Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy. Goldsmith RS, et al. *Kidney Int* 4:154-60, Aug 73
- Letter: Binding of vitamin D. Jenkins MG. *Lancet* 2:1336, 8 Dec 73
- Letter: Phosphorus restriction and vitamin D metabolism. Miller PD. *N Engl J Med* 289:1149-50, 22 Nov 73
- The regulation of vitamin D metabolism. Galante L, et al. *Nature* 244:438-40, 17 Aug 73
- Influence of disodium dichloromethylene diphosphonate on 25-hydroxycholecalciferol metabolism in rats. Herrath D, et al. *Naunyn Schmiedebergs Arch Pharmacol* 278:435-40, 28 Jul 73
- Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D₂. McLaren N, et al. *Pediatr Res* 7:914-22, Nov 73
- A review: short stature in renal disease. Stickler GB, et al. *Pediatr Res* 7:978-82, Dec 73
- [Editorial: Hypocalcemia in cirrhosis and hepatic vitamin D metabolism disorders] Darnis F. *Nouv Presse Med* 2:2443-5, 20 Oct 73 (Fre)
- [Vitamin D and the kidney] Verhaeck M. *Praxis* 62:955-8, 31 Jul 73 (Fre)

PHARMACODYNAMICS

- Retention of Zn-65, Sr-85, Sr-89 and Ce-144 in rats following intramuscular injections of vitamins A or D. Szot Z, et al. *Acta Physiol Pol* 24:577-86, Jul-Aug 73
- Vitamin D and adenosine triphosphatase dependent on divalent cations in rat intestinal mucosa. Kowarski S, et al. *J Clin Invest* 52:2765-73, Nov 73
- The regulation of vitamin D metabolism. Galante L, et al. *Nature* 244:438-40, 17 Aug 73
- [Vitamin D action mechanism] Harnapp GO. *Monatsschr Kinderheilkd* 121:360, Jul 73 (Ger)
- [Clinical aspects and physiopathology of rickets. I. Physiopathology] Wilhelm G. *Monatsschr Kinderheilkd* 121:337-45, Jul 73 (Ger)
- [On various aspects of physiopathology of the renal tubule in childhood] Bottone E, et al. *Minerva Pediatr* 25:1119-54, Jul 73 (317 ref.) (Ita)

POISONING

- Overnutrition. Young CM. *World Rev Nutr Diet* 16:179-202, 1973 (74 ref.)
- [Effect of prednisolone on the toxic action of vitamin D and the development of vitamin D intoxication (an experimental study)] Vishnevskii IuB. *Pediatrilia* 52:56-8, Jul 73 (Rus)

RADIATION EFFECTS

- Effect of wavelength on production of previtamin D₂. Ahlton E, et al. *J Pharm Sci* 62:1688-91, Oct 73

THERAPEUTIC USE

- Proximal renal tubular acidosis in vitamin D deficiency rickets. Gulnard JP, et al. *Acta Paediatr Scand* 62:543-6, Sep 73
- Clinical conference: Hyperparathyroidism. *Am J Med* 55:657-66, Nov 73
- Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al. *Kidney Int* 4:128-40, Aug 73 (60 ref.)
- Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS. *Kidney Int* 4:168-73, Aug 73 (56 ref.)

- Idiopathic hypoparathyroidism following gastric surgery. Vilesttra RE. *NZ Med J* 78:113-4, 8 Aug 73
- A review: short stature in renal disease. Stickler GB, et al. *Pediatr Res* 7:978-82, Dec 73
- The management of patients with diarrhoea resulting from ileal dysfunction. Eastwood MA, et al. *Scott Med J* 18:152-6, Sep 73
- [Clinical aspects and physiopathology of rickets. II. Prevention and therapy] Hövels O. *Monatsschr Kinderheilkd* 121:345-7, Jul 73 (Ger)
- [Quantitative skeletal mineral salt determination in genuine vitamin-D-resistant rickets during long-term vitamin D therapy] Schuster W. *Monatsschr Kinderheilkd* 121:369-72, Jul 73 (Ger)
- [Skeletal changes in stomach surgery patients. Treatment with calcium and vitamin D] Sigstad H. *Tidsskr Nor Lægeforen* 93:703, 10 Apr 73 (Nor)
- [So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrilia* 52:83-8, Jul 73 (Rus)

TOXICITY

- [Effect of prednisolone on the toxic action of vitamin D and the development of vitamin D intoxication (an experimental study)] Vishnevskii IuB. *Pediatrilia* 52:56-8, Jul 73 (Rus)

VITAMIN D DEFICIENCY

- Diet in the elderly. Corless D. *Br Med J* 4:158-60, 20 Oct 73
- 1,24,25-Trihydroxyvitamin D₃. A metabolite of vitamin D₃ effective on intestine. Holick MF, et al. *J Biol Chem* 248:6691-6, 10 Oct 73
- Undernutrition. McLaren DS. *World Rev Nutr Diet* 16:141-78, 1973 (25 ref.)
- Rickets in developing countries. Oke OL. *World Rev Nutr Diet* 15:86-103, 1972 (59 ref.)
- [So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrilia* 52:83-8, Jul 73 (Rus)

COMPLICATIONS

- [Changes of kidney function in vitamin-D-deficiency rickets] Krohn HP, et al. *Monatsschr Kinderheilkd* 121:327-8, Jul 73 (Ger)

CONGENITAL

- Hereditary pseudo vitamin D deficiency rickets in a Pakistani infant. Shert JR, et al. *Arch Dis Child* 48:814-6, Oct 73

ENZYMOLGY

- Vitamin D and adenosine triphosphatase dependent on divalent cations in rat intestinal mucosa. Kowarski S, et al. *J Clin Invest* 52:2765-73, Nov 73
- [Evaluation of vitamin D deficiency in pulmonary tuberculosis] Zlatkina TI, et al. *Probl Tuberk* 51:46-9, 1973 (Eng. Abstr.) (Rus)

ETIOLOGY

- [Evaluation of vitamin D deficiency in pulmonary tuberculosis] Zlatkina TI, et al. *Probl Tuberk* 51:46-9, 1973 (Eng. Abstr.) (Rus)

METABOLISM

- The regulation of vitamin D metabolism. Galante L, et al. *Nature* 244:438-40, 17 Aug 73
- Vitamin D-like action of Solanum malacoxylon on calcium transport by rat intestine. O'Donnell JM, et al. *Nature* 244:357-8, 10 Aug 73

NEUROENDOCRINOLOGY

1. Physical and Functional Aspects

AMYGDALOID BODY

The amygdala: historical and functional analysis. Richardson JS.

Acta Neurobiol Exp (Warsz) 33:623-48, 1973 (179 ref.)
Blockage of highly-stable "kindled" seizures in rats by antecedent footshock. Pinel JP, et al.
Epilepsia 14:29-37, Mar 73

[Quantitative analyses of evoked potentials for neurophysiological characterization of defective learning processes in the pathogenesis of experimental arterial hypertension] Baumann H, et al.

Acta Biol Med Ger 30:675-96, May 73 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

The amygdala: historical and functional analysis. Richardson JS.

Acta Neurobiol Exp (Warsz) 33:623-48, 1973 (179 ref.)
Cytoarchitecture of nucleus sphericus in the common boa, Constrictor constrictor. Ullnski PS, et al.
J Comp Neurol 151:159-74, 15 Sep 73

DRUG EFFECTS

Delta 9-tetrahydrocannabinol: electroencephalographic changes and autonomic responses in the rabbit. Fujimori M, et al.
Life Sci 12:553-63, 15 Jun 73

Location of the site of the tranquilizing action of diazepam by intralimbic application. Nagy J, et al.
Neuropharmacology 12:757-68, Aug 73

METABOLISM

Some persistent effects of the pre- and neonatal administration of psychotropic drugs on noradrenaline metabolism in discrete areas of rat brain. Tonge SR, et al.

Br J Pharmacol 48:364P-365P, Jun 73
Changes in protein content and in vivo incorporation of (35S)methionine into protein of discrete brain areas of the rat over puberty: sexual differences. Haar MB ter, et al. Brain Res 60:209-18, 28 Sep 73

Changes in serum gonadotrophin levels, and in protein levels and in-vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. Haar MB ter, et al. J Endocrinol 58:563-76, Sep 73

PHYSIOLOGY

The amygdala: historical and functional analysis. Richardson JS.

Acta Neurobiol Exp (Warsz) 33:623-48, 1973 (179 ref.)
Differential effects of one- vs two-stage amygdaloid lesions on activity, exploratory, and avoidance behavior in the albino rat. McIntyre M, et al.
Behav Biol 9:451-65, Oct 73

Electrophysiological analysis of the hippocampal septal projections. II. Functional characteristics. DeFrance JF, et al. Exp Brain Res 17:463-76, 30 Jul 73
Forebrain regulation of ovarian cycle in rats: evidence for a dual control. Dua-Sharma S, et al.

Indian J Physiol Pharmacol 17:17-29, Jan-Mar 73
Neuro-endocrine correlates of immune response. II. Changes in the lymphatic organs of brain-lesioned

rats. Isaković K, et al.
Int Arch Allergy Appl Immunol 45:373-84, 1973
Neuro-endocrine correlates of immune response. I. Effects of brain lesions on antibody production, Arthus reactivity and delayed hypersensitivity in the rat. Janković BD, et al.

Int Arch Allergy Appl Immunol 45:360-72, 1973
Corticosterone and avoidance in rats with basolateral amygdala lesions. Coover G, et al.

J Comp Physiol Psychol 85:111-22, Oct 73
Wood-gnawing in rats following cortical, olfactory bulb or limbic lesions. Kemble ED.

Physiol Behav 11:735-8, Nov 73
Archistriatal lesions enhance tonic immobility in the chicken (Gallus gallus). Maser JD, et al.

Physiol Behav 11:729-33, Nov 73
Fear behavior and passive avoidance deficits in mice with amygdala lesions. Slotnick BM.

Physiol Behav 11:717-20, Nov 73
Vegetative and emotional reactions during electrical stimulation of deep structures of the brain during stereotactic procedures. Schaltenbrand G, et al.
Z Neurol 205:91-113, 1973

[Role of various portions of the amygdaloid complex in the action of various cholinolytics and estrogens on the gonadotropic function of the hypophysis] Bekhereva EP.
Probl Endokrinol (Mosk) 19:43-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Rates of motor seizure development in rats subjected to electrical brain stimulation: strain and inter-stimulation interval effects. Racine RJ, et al.
Electroencephalogr Clin Neurophysiol 35:553-6, Nov 73

First trial motor seizures triggered by amygdaloid stimulation in the rat. Racine RJ, et al.
Electroencephalogr Clin Neurophysiol 35:487-94, Nov 73

[Cross-correlation analysis of the stress rhythm of brain structures during formation of the functional system of defensive nature] Mamedov AM.
Dokl Akad Nauk SSSR 212:1017-20, 1 Oct 73 (Rus)

[The role of specific and non-specific thalamic nuclei in the genesis of various slow rhythms in the human electrocorticogram] Maïorchik VE, et al.
Neirofiziologiya 5:227-35, May-Jun 73 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Comparison of radiographic and electroencephalographic pictures of the amygdalo-hippocampal complex in epileptics] Gajdošová D, et al.
Cesk Neurol 36:377-81, Nov 73 (Eng. Abstr.) (Slo)

SURGERY

Status epilepticus partialis wit fear as clinical expression. Report of a case and ictal EEG findings. Henriksen GF. Epilepsia 14:39-46, Mar 73

NEUROENDOCRINOLOGY

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction. Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
- Experimental kuru in the chimpanzee. A neuropathological study. Beck E, et al. *Brain* 96:441-62, Sep 73
- Diurnal rhythm of corticotropin-releasing factor activity in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:743-7, Oct 73
- Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:737-42, Oct 73
- Orthodromic and antidromic activation of the paraventricular nucleus of the hypothalamus in the rabbit. Novin D, et al. *Exp Neurol* 41:418-30, Nov 73
- Serum corticosteroid-binding globulin, cortisol, and nonprotein-bound cortisol levels in patients receiving estrogen for carcinoma of the prostate. Blackard CE, et al. *Invest Urol* 11:194-7, Nov 73
- [Hypothalamic control of thyroid function] Medeiros-Neto GA. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)
- [Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al. *Rev Iber Endocrinol* 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)

ANALYSIS

- The distribution of vasopressin and oxytocin in the hypothalamoneurohypophyseal system of the guinea-pig. Bisset GW, et al. *Br J Pharmacol* 48:263-72, Jun 73
- Electron microscopic radioautography of 125I-triiodothyronine in rat posterior pituitary and median eminence. Bar-Sella P, et al. *Endocrinology* 93:1410-22, Dec 73
- Letter: Catecholamines in the median eminence: new evidence for a major noradrenergic input. Cuello AC, et al. *Nature* 243:465-7, 22 Jun 73
- Monoamine-containing structures in the hypothalamo-hypophyseal system in the human fetus. Partanen S, et al. *Z Anat Entwicklungsgesch* 140:53-60, 30 May 73

ANATOMY & HISTOLOGY

- Effect of lateral deafferentation on the morphology and catecholamine content of the mediohasal hypothalamus. Cuello AC, et al. *Brain Res* 59:191-200, 14 Sep 73
- The hypothalamo-hypophyseal system of the frog *Rana temporaria*. II. Functional morphology of the external zone of the median eminence during metamorphosis. Belenky MA, et al. *Gen Comp Endocrinol* 21:250-61, Oct 73
- [The supraoptic- and paraventriculo-hypophyseal tract] Parshkov EM. *Probl Endocrinol (Mosk)* 19:47-52, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Morphological peculiarities of the diencephalo-pituitary system (with respect to neurosecretion)] Meltner ER. *Bratisl Lek Listy* 59:396-404, 1973 (Eng. Abstr.) (Slo)

BLOOD SUPPLY

- Vasopressin and neurophysin: high concentrations in monkey hypophyseal portal blood. Zimmerman EA, et al. *Science* 182:925-7, 20 Nov 73

CYTOLOGY

- Ultrastructural features of pituitary cells in the neural lobe of adult rats. Olivieri-Sangiacomo C. *Experientia* 29:1119-20, 15 Sep 73
- The hypothalamo-hypophyseal system of the frog *Rana temporaria*. I. Morphometric analysis of functional states of the median eminence. Belenky MA, et al. *Gen Comp Endocrinol* 21:241-9, Oct 73
- [Seasonal changes in the activity of the hypothalamo-hypophyseal neurosecretory system in laboratory rabbits] Demko PS, et al.

- Probl Endocrinol (Mosk)* 19:52-5, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [The supraoptic- and paraventriculo-hypophyseal tract] Parshkov EM. *Probl Endocrinol (Mosk)* 19:47-52, Sep-Oct 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Possible role of serotonin in the monoamines-induced inhibition of the stress mechanism in the rat. Vermes I, et al. *Acta Physiol Acad Sci Hung* 42:219-23, 1972
- Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dhont M, et al. *Ann Endocrinol (Paris)* 34:319-26, May-Jun 73
- Lithium-induced polydipsia and polyuria: mechanism of action? Brightwell DR, et al. *Biol Psychiatry* 7:167-71, Oct 73
- Letter: Suppression of the cyclic surge of luteinizing hormone secretion and of ovulation in the rat by delta 1-tetrahydrocannabinol. Nir I, et al. *Nature* 243:470-1, 22 Jun 73
- [Metapirone test after treatment with slow-acting tetracosactide (slow-acting synactene)] Murle N, et al. *Ann Endocrinol (Paris)* 34:164-73, Mar-Apr 73 (Fre)
- [The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al. *Arch Gynaekol* 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)

EMBRYOLOGY

- Monoamine-containing structures in the hypothalamo-hypophyseal system in the human fetus. Partanen S, et al. *Z Anat Entwicklungsgesch* 140:53-60, 30 May 73

ENZYMOLGY

- [Activity of prolidonylpeptidase in women] Helmrath T. *Ginek Pol* 44:941-2, Aug 73 (Pol)

GROWTH & DEVELOPMENT

- The hypothalamo-hypophyseal system of the frog *Rana temporaria*. II. Functional morphology of the external zone of the median eminence during metamorphosis. Belenky MA, et al. *Gen Comp Endocrinol* 21:250-61, Oct 73

INNERVATION

- Vasopressin and neurophysin: high concentrations in monkey hypophyseal portal blood. Zimmerman EA, et al. *Science* 182:925-7, 20 Nov 73

METABOLISM

- Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in female rats. Gomhe S, et al. *Biol Reprod* 9:415-9, Nov 73
- Changes in protein content and in vivo incorporation of (35S)methionine into protein of discrete brain areas of the rat over puberty: sexual differences. Haar MB ter, et al. *Brain Res* 60:209-18, 28 Sep 73
- Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al. *Endocrinol Exp (Bratisl)* 7:189-92, Sep 73
- Letter: Catecholamines in the median eminence: new evidence for a major noradrenergic input. Cuello AC, et al. *Nature* 243:465-7, 22 Jun 73
- [Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Dreifuss JJ. *J Physiol (Paris)* 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)
- [Pathological aspects of adrenalectomy in hypothalamic-pituitary Cushing's syndrome (author's transl)] Kracht J, et al. *Verh Dtsch Ges Kreislaufforsch* 56:376-81, 1972 (Eng. Abstr.) (Ger)

PATHOLOGY

- Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in

NEUROENDOCRINOLOGY

female rats. Gombe S, et al.
Biol Reprod 9:415-9, Nov 73

PHYSIOLOGY

Luteolytic effects of oestradiol after hypophysectomy or pituitary stalk section in cycling sheep. Denamur R, et al. *Acta Endocrinol (Khh)* 73:635-42, Aug 73
 Changes in plasma levels of prolactin and LH induced by luteolytic or luteotrophic treatment in intact cycling sheep after section of the pituitary stalk. Kann G, et al. *Acta Endocrinol (Khh)* 73:325-34, Aug 73
 Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al.

Am J Obstet Gynecol 117:757-73, 15 Nov 73
 Some recent concepts on anterior pituitary control. Manku MS, et al. *East Afr Med J* 50:323-6, Jun 73
 The hypothalamo-hypophyseal system of the frog *Rana temporaria*. I. Morphometric analysis of functional states of the median eminence. Belenky MA, et al. *Gen Comp Endocrinol* 21:241-9, Oct 73
 Atlas of estradiol-concentrating cells in the central nervous system of the female rat. Pfaff D, et al. *J Comp Neurol* 151:121-58, 15 Sep 73
 Effect of hypothalamic extract on serum prolactin levels 24 hr following forebrain removal. Turpen C, et al. *Proc Soc Exp Biol Med* 144:651-3, Nov 73
 [The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's transl)] Czygan PJ, et al.
Arch Gynaekol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)

[Neuroendocrine regulation by intervention of cybernetic play] Restian A.
Stud Cercet Endocrinol 24:361-71, 1973 (Rum)
 [Seasonal changes in the activity of the hypothalamo-hypophyseal neurosecretory system in laboratory rabbits] Demko PS, et al.
Probl Endocrinol (Mosk) 19:52-5, Sep-Oct 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. Dbont M, et al.
Ann Endocrinol (Paris) 34:319-26, May-Jun 73
 Reproductive function in the genetically obese "fatty" rat. Saldudlin S, et al. *Endocrinology* 93:1251-6, Dec 73
 [Editorial: Anatomical and physiopathological diagnosis of pituitary adenoma. Contribution of current anterior pituitary functions tests] Mornex R, et al. *Nouv Presse Med* 2:2169-72, 22 Sep 73 (Fre)
 [The childless marriage: male sterility] Dbom G, et al. *Fortschr Med* 91:1069-72, 27 Sep 73 (Ger)
 [Functional state of the hypothalamo-hypophyseal-ovarian system in myasthenia] Manullova IA, et al.
Sov Med 36:12-7, Jun 73 (Eng. Abstr.) (Rus)
 [Growth hormone deficiency dwarfism and idiopathic hypopituitarism. Study of hypothalamo-hypophyseal function] Martín Zurro A, et al.
Rev Clin Esp 130:117-22, 31 Jul 73 (Eng. Abstr.) (Spa)
 [Clinical adenohypophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E.
Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

SURGERY

[Adipsia and Korsakoff's syndrome following hypothalamo-hypophyseal surgery for craniohypopharyngeal. Postoperative obesity and femoral osteonecrosis] Klotz HP, et al.
Ann Endocrinol (Paris) 34:158-63, Mar-Apr 73 (Fre)

HYPOTHALAMUS

Essential hypernatremia, absence of thirst, hypopituitarism, and hypothalamic destruction due to a dysgerminoma. Acquatella H, et al.
Acta Neurol Lat Am 18:176-85, Apr-Jun 72
 Primary intracranial germ cell tumours. Jellinger K. *Acta Neuropathol (Berl)* 25:291-306, 1973
 Drive-decay theory of instrumental self-stimulation: motor correlates. Szabó I.
Acta Physiol Acad Sci Hung 42:255-65, 1972
 Total synthesis of hypothalamic "somatostatin".

Sarantakis D, et al.
Biochem Biophys Res Commun 54:234-8, 5 Sep 73
 Hypothalamia and Wernicke's encephalopathy. Philip G, et al. *J Pathol* 110:pvi-vii, Jul 73
 Chemico-biological relationships of follicle stimulating hormone-releasing hormone and luteinizing hormone-releasing hormone. Kennedy JF, et al.
Life Sci 12:533-44, 15 Jun 73

Effects of angiotensin on the central nervous system. Severs WB, et al.
Pharmacol Rev 25:415-49, Sep 73 (182 ref.)
 Effect of hypothalamic extract on serum prolactin levels 24 hr following forebrain removal. Turpen C, et al. *Proc Soc Exp Biol Med* 144:651-3, Nov 73
 [Necrotizing encephalitis with remarkable neurologic psychiatric symptomatology in "malignant" diffuse scleroderma] Gottwald W, et al.
Hautarzt 24:342-7, Aug 73 (Ger)
 [Lesions of the nervous system in chronic olefin intoxication] Antoniluzhenko VA.
Zh Nevropatol Psikhiatr 73:377-82, 1973 (Eng. Abstr.) (Rus)

[A study of the latent period of voluntary motor activity and the rapidity of excitatory spread along the descending motor tracts of patients with hypothalamic lesions] Gol'del'man MG, et al.
Zh Nevropatol Psikhiatr 73:363-6, 1973 (Eng. Abstr.) (Rus)
 [Psycho-autonomic interrelationships in the pathology of various links in the limbic-reticular complex] Kluchukov MT, et al.
Zh Nevropatol Psikhiatr 73:252-6, 1973 (Eng. Abstr.) (Rus)

ANALYSIS

Localization and content of thyrotrophin releasing factor (TRE) in median eminence of the hypothalamus. Joseph SA, et al.
Acta Endocrinol (Khh) 74:215-25, Oct 73
 Biologically homogenous substance P isolated from bovine hypothalamus. Strumillo-Dyba E, et al.
Acta Physiol Pol 24:685-6, 1973
 Analysis of pineal and brain indole alkylamines by gas chromatography-mass spectrometry. Koslow SH, et al.
Adv Biochem Psychopharmacol 7:33-43, 1973
 Effect of lateral deafferentation on the morphology and catecholamine content of the medlobasal hypothalamus. Cuello AC, et al.
Brain Res 59:191-200, 14 Sep 73
 Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al.
Endocrinol Exp (Bratisl) 7:189-92, Sep 73
 Possible mechanism of the hypotensive action of 2,6-dichlorobenzylidene aminoguanidine: evidence for central noradrenaline receptor stimulation. Bolme P, et al. *Eur J Pharmacol* 23:175-82, Aug 73
 The isolation of a new hypotensive peptide, neurotensin, from bovine hypothalamus. Carraway R, et al. *J Biol Chem* 248:6854-61, 10 Oct 73
 Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al.
J Endocrinol 58:377-85, Sep 73
 Radioimmunoassay of thyrotrophin releasing hormone. Jeffcoate SL, et al. *J Endocrinol* 59:191-2, Oct 73
 Regional distribution of 5-methyltetrahydrofolic acid in brain. Korevaar WC, et al.
Nature [New Biol] 245:244-5, 24 Oct 73
 Effect of morphine on the RNA and ATP concentration of brain structures of the rat. Nasello AG, et al.
Pharmacology 10:56-9, 1973
 Dopamine synthesis: stimulation by a hypothalamic factor. Friedman E, et al. *Science* 182:831-2, 23 Nov 73

ANATOMY & HISTOLOGY

The amygdala: historical and functional analysis. Richardson JS.
Acta Neurol Exp (Warsz) 33:623-48, 1973 (179 ref.)
 Effect of lateral deafferentation on the morphology and catecholamine content of the medlobasal hypothalamus. Cuello AC, et al.
Brain Res 59:191-200, 14 Sep 73
 Isolated removal of hypothalamic or other brain nuclei of the rat. Palkovits M. *Brain Res* 59:449-50, 14 Sep 73
 The hypothalamic areas involved in the control of mammatrophic and lactotrophic processes in sheep.

NEUROENDOCRINOLOGY

- Domański E, et al.
Endocrinol Exp (Bratisl) 7:229-48, Sep 73
Letter: Retinohypothalamic projections. Lin H.
Invest Ophthalmol 12:714, Sep 73
Retinal projections in the perch-like teleost Eugerres plumieri. Vanegas H, et al.
J Comp Neurol 151:331-57, 15 Oct 73
Hypothalamic obesity: the myth of the ventromedial nucleus. Gold RM. Science 182:488-90, 2 Nov 73

CYTOLOGY

- Karyometry of neurosecretory hypothalamus in mononephrectomized rats. Srethro Z, et al.
Anat Anz 133:199-206, 1973
Golgi Impregnation study of a new catecholamine-containing cell type in the toad hypothalamus. McKenna OC, et al.
Anat Rec 177:1-13, Sep 73
Effects of nicotine on the uptake and retention of 14C-noradrenaline and 14C-5-hydroxytryptamine by rat brain homogenates. Balfour DJ.
Eur J Pharmacol 23:19-26, Jul 73
Time of neuron origin in mouse hypothalamic nuclei. Shimada M, et al. Exp Neurol 41:163-73, Oct 73
Comparative ultrastructure of the cerebrospinal fluid-contacting neurons. Vigh B, et al.
Int Rev Cytol 35:189-251, 1973 (170 ref.)
Depolarizing stimuli and the release of physiologically active amino acids from suspensions of mammalian synaptosomes. Bradford HF, et al.
J Neurochem 21:495-505, Sep 73
On the measurement of extracellular space in slices prepared from different rat brain areas. Goodman FR, et al. Neuropharmacology 12:867-73, Sep 73
Neurons of the hypothalamus concentrate (3H)progesterone or its metabolites. Sar M, et al. Science 182:1266-8, 21 Dec 73
Fluorescence microscopy of neurons containing primary catecholamines in the ventral hypothalamus of the white-crowned sparrow, Zonotrichia leucophrys gambellii. Soest SW, et al.
Z Zellforsch Mikrosk Anat 141:1-17, 28 Jul 73
[Cyto- and myeloarchitectonics of the mesencephalon in the domestic fowl (Gallus domesticus L.). II. Cytoarchitectonics of the median sector] Graef W. Anat Anz 133:503-10, 1973 (Ger)

DRUG EFFECTS

- Effect of dexamethasone on adrenocortical responses in intact and hypothalamic deafferented rats. Feldman S, et al.
Acta Endocrinol (Kbh) 73:860-4, Aug 73
Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al.
Acta Endocrinol (Kbh) 73:851-9, Aug 73
Studies on localization of defensive reactions in the hypothalamus of cats by the method of chemostimulation. Brudzyński S, et al.
Acta Physiol Pol 24:630-41, 1973
Rage reaction evoked by intrahypothalamic injection of carbachol in cats. Romanuk A, et al.
Acta Physiol Pol 24:623-30, 1973
Influences of hepatic portal receptors on hypothalamic feeding and satiety centers. Schmitt M.
Am J Physiol 225:1089-95, Nov 73
Circadian rhythmicity in responses of cells in the lateral hypothalamus. Schmitt M.
Am J Physiol 225:1096-101, Nov 73
Evolution of supraoptical and paraventricular nuclei (SON and PVN) during twelve hours after the administration of a single dose of thiamin (vitamin B1). Miscalencu D, et al. Anat Anz 133:495-8, 1973
Effect of catecholamines and ovarian hormones on cyclic AMP accumulation in rat hypothalamus. Gunaga KP, et al.
Biochem Biophys Res Commun 54:440-8, 5 Sep 73
Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels. Dafny N, et al. Brain Res 59:257-72, 14 Sep 73
Effects of prostaglandins E1, E2 and F2a on cyclic AMP levels in brain in vivo. Wellmann W, et al.
Brain Res 59:371-8, 14 Sep 73
The effects of anorexic doses of dextro-amphetamine on the ventromedial-hypothalamic hyperphagic rat. Wishart TB, et al.
Can J Physiol Pharmacol 51:354-9, May 73

- Induction of ovulation with clomiphene citrate. Kase N. Clin Obstet Gynecol 16:192-200, Sep 73
Influence of progestational steroids on hypothalamic tyrosine hydroxylase activity in vitro. Beattie CW, et al. Endocrinology 93:1453-5, Dec 73
Orthodromic and antidromic activation of the paraventricular nucleus of the hypothalamus in the rabbit. Novin D, et al. Exp Neurol 41:418-30, Nov 73
Effect of impairment of thyroid functions on intracranial bone tumours in AKR mice.
Muranyi-Kovacs I, et al. Horm Res 4:122-8, 1973
Effects of microelectrophoretically administered cortisol on single cell activity in the tuberous hypothalamus of the rat. Mandelshod I, et al. Isr J Med Sci 9:1058-61, Aug 73
Studies on phenolamine-induced overeating and finickiness. Margules DL, et al.
J Comp Physiol Psychol 84:444-51, Sep 73
Prolactin release induced by synthetic thyrotrophin releasing factor in female rats. Dels RP, et al. J Endocrinol 58:673-4, Sep 73
Effect of ovine thyroid-stimulating hormone (TSH) on human plasma TSH levels in primary hypothyroidism: evidence against the "short-feedback" of TSH in man. Toft AD, et al. J Endocrinol 59:189-90, Oct 73
Structure activity relations for the inhibition of 5-HT uptake into rat hypothalamic homogenates by serotonin and tryptamine analogues. Horn AS. J Neurochem 21:883-8, Oct 73
Accumulation and metabolism of norepinephrine in rat hypothalamus after exhaustive stress. Stone EA. J Neurochem 21:589-601, Sep 73
Effects of biogenic amines on central thermoresponsive neurones in the rabbit. Hori T, et al. J Physiol (Lond) 232:71-85, Jul 73
Prostaglandin E1 fever induced in rabbits. Stitt JT. J Physiol (Lond) 232:163-79, Jul 73
Effects of adrenergic drugs on pressor responses to hypothalamic stimulation. Philippu A, et al. Naunyn-Schmiedeberg's Arch Pharmacol 278:373-86, 26 Jul 73
Location of the site of the tranquillizing action of diazepam by intralimbic application. Nagy J, et al. Neuropharmacology 12:757-68, Aug 73
Effects of testosterone propionate implants in the brain on the sexual behavior and peripheral tissue of the male rat. Klerniesky NC, et al. Physiol Behav 11:633-40, Nov 73
Is there a relationship between the involvement of extrapyramidal and mesolimbic brain areas with the cataleptic action of neuroleptic agents and their clinical antipsychotic effect? Costall B, et al. Psychopharmacologia 32:161-70, 1973
Adrenergic supersensitivity during ethanol withdrawal in the rat. French SW, et al.
Res Commun Chem Pathol Pharmacol 6:651-62, Sep 73
Depletion of hypothalamic norepinephrine by food deprivation and interaction with D-amphetamine. Glick SD, et al.
Res Commun Chem Pathol Pharmacol 6:775-8, Sep 73
Selective depletion of dopamine following O-methylation of 6-hydroxydopamine. Ho BT, et al. Res Commun Chem Pathol Pharmacol 6:47-56, Jul 73
In vitro demonstration of a direct feedback of luteinizing hormone on the hypothalamus, using ovine tissue. Symington RB, et al. S Afr Med J 47:1731-4, 29 Sep 73
[Plasma FSH and LH in neuro-pituitary amenorrhea. Static study and dynamic effects of estrogens] Millet D, et al.
Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Eng. Abstr.) (Fre)
[Can the high relapse-rate after withdrawal-treatments by means of chronic alcoholism also neurophysiologically, physiologic-chemically and especially cerebral-pathologically be substantiated? (author's transl)] Lelshadt GP.
Fortschr Neurol Psychiatr 41:449-61, Aug 73 (Eng. Abstr.) (Ger)
[Effect of melatonin on the hypothalamo-hypophyseal-adrenal system of rats] Maslova LN, et al.
Probl Endocrinol (Mosk) 19:55-9, Sep-Oct 73 (Eng. Abstr.) (Rus)

EMBRYOLOGY

- Time of neuron origin in mouse hypothalamic nuclei. Shimada M, et al. Exp Neurol 41:163-73, Oct 73

NEUROENDOCRINOLOGY

ENZYMOLGY

- Peripheral control of bormone metabolism. Herrmann WL, et al. *Am J Obstet Gynecol* 117:879-88, 1 Nov 73
- Regional and subcellular distribution of aryl- and steroid sulfatases in brain. Perumal AS, et al. *Brain Res* 59:349-58, 14 Sep 73
- Influence of progestational steroids on hypothalamic tyrosine hydroxylase activity in vitro. Beattie CW, et al. *Endocrinology* 93:1453-5, Dec 73
- Hypertensive effects of prolonged auditory, visual, and motion stimulation. Smookler HH, et al. *Fed Proc* 32:2105-10, Nov 73
- Regional distribution of glutamic acid decarboxylase in the developing brain of the pyridoxine-deficient rat. Bayoumi RA, et al. *J Neurochem* 21:603-13, Sep 73
- D-aspartate oxidase in mammalian brain and choroid plexus. Yuuko SC, et al. *J Neurochem* 21:1037-9, Oct 73
- Neurochemical changes in specific regions of rat brain during different phases of conditioning. Catravas GN, et al. *Physiol Behav* 11:359-63, Sep 73
- [Enzyme histochemical studies on the rat hypothalamus following administration of oxytocin] Lüth J, et al. *Acta Biol Med Ger* 30:647-56, May 73 (Eng. Ahstr.) (Ger)

GROWTH & DEVELOPMENT

- Neonatal gonadal hormone manipulation and emotionality following septal lesions in weanling rats. Phillips AG, et al. *Brain Res* 60:55-64, 28 Sep 73

METABOLISM

- Possible role of serotonin in the monoamines-induced inhibition of the stress mechanism in the rat. Vermes I, et al. *Acta Physiol Acad Sci Hung* 42:219-23, 1972
- Golgi impregnation study of a new catecholamine-containing cell type in the toad hypothalamus. McKenna OC, et al. *Anat Rec* 177:1-13, Sep 73
- Effect of catecholamines and ovarian hormones on cyclic AMP accumulation in rat hypothalamus. Gunaga KP, et al. *Biochem Biophys Res Commun* 54:440-8, 5 Sep 73
- Regional brain salicylate concentrations in afebrile and febrile rabbits. Rawlins MD, et al. *Biochem Pharmacol* 22:2639-42, 15 Oct 73
- Some persistent effects of the pre- and neonatal administration of psychotropic drugs on noradrenaline metabolism in discrete areas of rat brain. Tonge SR, et al. *Br J Pharmacol* 48:364P-365P, Jun 73
- High affinity uptake of cyclic AMP in rat brain slices. Johnston GA, et al. *Brain Res* 59:451-53, 14 Sep 73
- Glutamate accumulation in infant mouse hypothalamus: Influence of temperature. Perez VJ, et al. *Brain Res* 59:181-9, 14 Sep 73
- Regional differences in the long-term effect of neonatal 6-hydroxydopa treatment on rat brain noradrenaline. Zieher LM, et al. *Brain Res* 60:199-207, 28 Sep 73
- The hypothalamic areas involved in the control of mammatrophic and lactotrophic processes in sheep. Domański E, et al. *Endocrinol Exp (Bratisl)* 7:229-46, Sep 73
- Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus. Presl J, et al. *Endocrinol Exp (Bratisl)* 7:189-92, Sep 73
- Effects of nicotine on the uptake and retention of 14C-noradrenaline and 14C-5-hydroxytryptamine by rat brain homogenates. Balfour DJ. *Eur J Pharmacol* 23:19-26, Jul 73
- Inhibitory action of neonatal androgenization on the incorporation of (3H)-lysine in specific hypothalamic nuclei of the adult female rat. Litteria M. *Exp Neurol* 41:395-401, Nov 73
- Noradrenergic pathways and sleep-waking states in cats. Panksepp J, et al. *Exp Neurol* 41:233-45, Nov 73
- Effect of acute neurogenic stress on hypothalamic corticotropin-releasing factor content. Chowen I, et al. *Isr J Med Sci* 9:1056-8, Aug 73
- Atlas of estradiol-concentrating cells in the central nervous system of the female rat. Pfaff D, et al. *J Comp Neurol* 151:121-58, 15 Sep 73
- Depolarizing stimuli and the release of physiologically active amino acids from suspensions of mammalian

- synaptosomes. Bradford HF, et al. *J Neurochem* 21:495-505, Sep 73
- Structure activity relations for the inhibition of 5-HT uptake into rat hypothalamic homogenates by serotonin and tryptamine analogues. Horn AS. *J Neurochem* 21:883-8, Oct 73
- Accumulation and metabolism of norepinephrine in rat hypothalamus after exhaustive stress. Stone EA. *J Neurochem* 21:589-601, Sep 73
- Effects of chronically administered L-dopa in normal and lesioned cats. Langelier P, et al. *J Pharmacol Exp Ther* 187:15-26, Oct 73
- Letter: Growth hormone in acromegaly. *Lancet* 2:913, 20 Oct 73
- Regional distribution of opiate receptor binding in monkey and human brain. Kuhar MJ, et al. *Nature* 245:447-50, 26 Oct 73
- On the measurement of extracellular space in slices prepared from different rat brain areas. Goodman FR, et al. *Neuropharmacology* 12:867-73, Sep 73
- Alteration of 5-hydroxytryptamine-14C efflux by nicotine in rat brain area slices. Goodman FR, et al. *Neuropharmacology* 12:955-65, Oct 73
- The uptake of dopamine and serotonin in rat brain during progesterone decline. Hackmann E, et al. *Psychopharmacologia* 32:183-91, 1973
- Adrenergic supersensitivity during ethanol withdrawal in the rat. French SW, et al. *Res Commun Chem Pathol Pharmacol* 6:651-62, Sep 73
- Depletion of hypothalamic norepinephrine by food deprivation and interaction with D-amphetamine. Glick SD, et al. *Res Commun Chem Pathol Pharmacol* 6:775-8, Sep 73
- Selective depletion of dopamine following O-methylation of 6-hydroxydopamine. Ho BT, et al. *Res Commun Chem Pathol Pharmacol* 6:47-56, Jul 73
- In vitro demonstration of a direct feedback of luteinizing hormone on the hypothalamus, using bovine tissue. Symington RB, et al. *S Afr Med J* 47:1731-4, 29 Sep 73
- Dopamine synthesis: stimulation by a hypothalamic factor. Friedman E, et al. *Science* 182:831-2, 23 Nov 73
- Neurons of the hypothalamus concentrate (3H)progesterone or its metabolites. Sar M, et al. *Science* 182:1266-8, 21 Dec 73
- In vitro accumulation and saturation of 3H-progestins in selected brain regions and in the adenohypophysis, uterus and pineal of the female rat. Luttig WG, et al. *Steroids* 22:493-502, Oct 73
- [Intraventricular injection of acetylcholine in the cat brain] Lozoya X, et al. *Arch Invest Med (Mex)* 4:139-44, 1973 (Eng. Ahstr.) (Spa)

PATHOLOGY

- Experimental kuru in the chimpanzee. A neuropathological study. Beck E, et al. *Brain* 96:441-62, Sep 73
- Induced multiple nucleoli, nucleolar margination, and cell size changes in supraoptic neurons during dehydration and rehydration in the rat. Hatton GI, et al. *Brain Res* 59:137-54, 14 Sep 73
- Histological and ultrastructural studies in isolated growth hormone deficiency. Rimoin DL, et al. *J Clin Endocrinol Metab* 37:725-35, Nov 73
- Feeding and drinking pathways between medial and lateral hypothalamus in the rat. Scifani A, et al. *J Comp Physiol Psychol* 85:29-51, Oct 73
- Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al. *J Neurol Neurosurg Psychiatry* 36:864-73, Oct 73
- Intracranial reticulum cell sarcoma associated with immunoglobulin A deficiency. Gregory MC, et al. *J Neurol Neurosurg Psychiatry* 36:769-76, Oct 73
- [Reaction of the central nervous system to mechanical effects] Kudrin ID, et al. *Kosm Biol Med* 7:13-7, May-Jun 73 (Eng. Ahstr.) (Rus)

PHYSIOLOGY

- Effect of dexamethasone on adrenocortical responses in intact and hypothalamic deafferented rats. Feldman S, et al. *Acta Endocrinol (Kbh)* 73:660-4, Aug 73
- Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Kaplanski J, et al. *Acta Endocrinol (Kbh)* 73:651-9, Aug 73
- Salivary reactions after ventromedial hypothalamic

NEUROENDOCRINOLOGY

- lesions in dogs. Rozkowska E, et al. *Acta Neurobiol Exp (Warsz)* 33:553-62, 1973
- Studies on localization of defensive reactions in the hypothalamus of cats by the method of chemostimulation. Brudzyński S, et al. *Acta Physiol Pol* 24:630-41, 1973
- Rage reaction evoked by intrahypothalamic injection of carbachol in cats. Romanluk A, et al. *Acta Physiol Pol* 24:623-30, 1973
- T3 thyrotoxicosis. Gharib H, et al. *Am Fam Physician* 8:144-6, Nov 73
- Influences of hepatic portal receptors on hypothalamic feeding and satiety centers. Schmitt M. *Am J Physiol* 225:1089-95, Nov 73
- Circadian rhythmicity in responses of cells in the lateral hypothalamus. Schmitt M. *Am J Physiol* 225:1096-101, Nov 73
- Temperature regulation in neonatal piglets during mild cold and severe heat stress. Stomhaugh DP, et al. *Am J Physiol* 225:1192-8, Nov 73
- Stimulation-induced eating disrupted by a conditioned taste aversion. Wise RA, et al. *Behav Biol* 9:289-97, Sep 73
- The evocation of calls by diencephalic stimulation in the conscious chick. Andrew RJ. *Brain Behav Evol* 7:424-46, 1973
- Disruption of copulation in male rats after hypothalamic lesions: a behavioral, anatomical and neurochemical analysis. Caggiula AR, et al. *Brain Res* 59:273-87, 14 Sep 73
- Characterization of spontaneous unit activity in hypothalamus and reticular formation recorded with semi-microelectrodes. Dafny N, et al. *Brain Res* 59:243-55, 14 Sep 73
- Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels. Dafny N, et al. *Brain Res* 59:257-72, 14 Sep 73
- Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:737-42, Oct 73
- Diurnal rhythm of corticotropin-releasing factor activity in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:743-7, Oct 73
- The effects of anorexic doses of dextro-amphetamine on the ventromedial-hypothalamic hyperphagic rat. Wishart TB, et al. *Can J Physiol Pharmacol* 51:354-9, May 73
- Endocrine spotlights on brain and behaviour. Cleghorn JM. *Can Psychiatr Assoc J* 18:449-51, Oct 73
- Effects of artificial mothers and visual experience on adrenal responsiveness of infant monkeys. Hill SD, et al. *Dev Psychobiol* 6:421-9, Sep 73
- The hypothalamic areas involved in the control of mammatrophic and lactotrophic processes in sheep. Domański E, et al. *Endocrinol Exp (Bratisl)* 7:229-46, Sep 73
- Orthodromic and antidromic activation of the paraventricular nucleus of the hypothalamus in the rabbit. Novin D, et al. *Exp Neurol* 41:418-30, Nov 73
- Effect of synthetic luteinizing hormone releasing hormone on pituitary and serum levels of luteinizing hormone of intact and median eminence lesioned male rats. Corhin A, et al. *Experientia* 29:1025-6, 15 Aug 73
- Effects of hypothalamic electrical stimulation on the urinary testosterone glycuronide in the adult male rat. Lottl G, et al. *Horm Res* 4:197-206, 1973
- Electric stimulation of the olfactory mucosa: a new test for the study of the hypothalamic functionality. Orlandi F, et al. *Horm Res* 4:141-52, 1973
- Study of mechanism of action of cerebroventricularly perfused phentolamine on carotid occlusion response in cats. Abraham GJ, et al. *Indian J Med Res* 61:896-902, Jun 73
- The neural basis of food and water intake in birds. Wright P. *Indian J Physiol Pharmacol* 17:1-16, Jan-Mar 73 (103 ref.)
- Neuro-endocrine correlates of immune response. II. Changes in the lymphatic organs of brain-lesioned rats. Isaković K, et al. *Int Arch Allergy Appl Immunol* 45:373-84, 1973
- Neuro-endocrine correlates of immune response. I. Effects of brain lesions on antibody production, Arthus reactivity and delayed hypersensitivity in the rat. Janković BD, et al. *Int Arch Allergy Appl Immunol* 45:360-72, 1973
- Atlas of estradiol-concentrating cells in the central nervous system of the female rat. Pfaff D, et al. *J Comp Neurol* 151:121-58, 15 Sep 73
- Studies on phentolamine-induced overeating and finickiness. Margules DL, et al. *J Comp Physiol Psychol* 84:644-51, Sep 73
- Effects of ventromedial hypothalamic lesions on conditioned sucrose aversion in rats. Peters RH, et al. *J Comp Physiol Psychol* 84:502-6, Sep 73
- Feeding and drinking pathways between medial and lateral hypothalamus in the rat. Sciafani A, et al. *J Comp Physiol Psychol* 85:29-51, Oct 73
- Self-stimulation of preoptic and lateral hypothalamus during behavioral thermo-regulation in the albino rat. Wagoner JW. *J Comp Physiol Psychol* 84:652-60, Sep 73
- The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. Hartley BM, et al. *J Endocrinol* 58:363-75, Sep 73
- Hypothalamic stimulation of insulin release. Martin JM, et al. *J Endocrinol* 58:681-2, Sep 73
- The role of melanophore-stimulating hormone in melanogenesis in the dogfish, *Scyllorhinus canicula* L. Wilson JF, et al. *J Endocrinol* 58:685-6, Sep 73
- Functional development of the hypothalamo-hypophyseal-adrenal cortex axis in the chick embryo, *Gallus domesticus*. Wise PM, et al. *J Exp Zool* 185:277-92, Sep 73
- The hippocampus and motivation: a re-examination. Kamhach MC. *J Gen Psychol* 89:313-24, Oct 73
- Evidence for centers in the central nervous system that selectively regulate fat mobilization in the rat. Teixeira VL, et al. *J Lipid Res* 14:672-7, Nov 73
- Depolarizing stimuli and the release of physiologically active amino acids from suspensions of mammalian synaptosomes. Bradford HF, et al. *J Neurochem* 21:495-505, Sep 73
- The effect of hypoxia and posterior hypothalamic stimulation on colonic blood flow in the weanling puppy. Broadie TA, et al. *J Pediatr Surg* 8:747-56, Oct 73
- Effects of biogenic amines on central thermoresponsive neurones in the rabbit. Hori T, et al. *J Physiol (Lond)* 232:71-85, Jul 73
- The effect of hypothalamic lesions on the carotid occlusion reflex. Lopes OU, et al. *J Physiol (Lond)* 232:37P-38P, Jul 73
- Prostaglandin E1 fever induced in rabbits. Stitt JT. *J Physiol (Lond)* 232:163-79, Jul 73
- Studies on the central action of 2-methylamino-methyl 2,3-dihydrobenzofuran (EPS-4032). I. EEG studies in rabbits. Ogo T, et al. *Jap J Pharmacol* 23:271-3, Apr 73
- Ultrastructural changes of rabbit pancreatic D cells induced by electrical stimulation of the hypothalamus. Sakagami M, et al. *Med J Osaka Univ* 23:101-10, Dec 72
- Protein metabolism in rats with ventromedial hypothalamic lesions. Holm H, et al. *Metabolism* 23:1377-87, Nov 73
- Letter: Evidence for the theory of dual hypothalamic control of ovulation. Zolovick A, et al. *Nature* 245:158-9, 21 Sep 73
- Effects of adrenergic drugs on pressor responses to hypothalamic stimulation. Philippu A, et al. *Naunyn-Schmiedeberg's Arch Pharmacol* 278:373-86, 26 Jul 73
- Effect of reticular formation and hypothalamus on the cortical hemodynamics. Suchkov VV, et al. *Neurosci Behav Physiol* 6:95-102, Apr-Jun 73
- Effect of sensorimotor cortex cooling on mesencephalic reticular neurons. Zilov VG. *Neurosci Behav Physiol* 6:103-8, Apr-Jun 73
- Neural control of motivated behavior. Stellar E, et al. *Neurosci Res Program Bull* 11:296-410, Sep 73 (574 ref.)
- Activity of osmosensitive neurons: plasma osmotic pressure thresholds. Bennett CT. *Physiol Behav* 11:403-6, Sep 73
- The effect of ablating the habenular nucleus of rats recovered from lesions of the lateral hypothalamus. Mok AC, et al. *Physiol Behav* 11:577-9, Oct 73
- Escape from rewarding brain stimulation of dorsal brainstem and hypothalamus. Steiner SS, et al. *Physiol Behav* 11:589-91, Oct 73
- Electrode tip alignment and self-stimulation: influence of anodal hyperpolarization. Szabo I, et al. *Physiol Behav* 11:581-3, Oct 73
- The contact method: a simple technique for electrical self-stimulation without external leads. Wolf G, et al. *Physiol Behav* 11:721-3, Nov 73
- Neural processes in thermoregulation. Hensel H. *Physiol Rev* 53:948-1017, Oct 73 (317 ref.)

NEUROENDOCRINOLOGY

Effects of posterior hypothalamic stimulation on reticulocyte release and bone marrow microcirculation. Paulo LG, et al.

Proc Soc Exp Biol Med 143:986-90, Sep 73

Sex difference in thyroidal response to administration of progesterone in the rat. Yamada T, et al.

Proc Soc Exp Biol Med 143:948-53, Sep 73

The effect of alcohol on intracranially reinforced response. Vrtunski P, et al.

Q J Stud Alcohol 34:718-25, Sep 73

The mechanism of initiation of parturition in the ewe. Liggins GC, et al.

Recent Prog Horm Res 29:111-59, 1973

Hypothalamic obesity: the myth of the ventromedial nucleus. Gold RM. Science 182:488-90, 2 Nov 73

Recovery of feeding and drinking by rats after intraventricular 6-hydroxydopamine or lateral hypothalamic lesions. Zigmond MJ, et al.

Science 182:717-20, 16 Nov 73

[Are there differences in the sex differentiation of the hypothalamus between primates and rodents?] Presl J. Cesk Gynkol 38:550-1, Jul 73 (Cze)

[Possible significance of prenatal and/or perinatal nutrition for the pathogenesis of obesity] Dörner G. Acta Biol Med Ger 30:k19-22, May 73 (Eng. Abstr.) (Ger)

[The action of morphine on the central nervous system] Glammanno S, et al. Arch Fisiol 69:365-98, 31 Dec 72 (Eng. Abstr.) (Ita)

[Neurophysiology and behavior] Hole K. Tidsskr Nor Laegeforen 93:1302-5, 20 Jun 73 (Nor)

[Neurohumoral regulation of erythropoiesis] Krzymowski T. Acta Physiol Pol [Suppl] 24:691-9, 1973 (Pol)

[Hypothalamic control of thyroid function] Medeiros-Neto GA. Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)

[Determination of micro quantities of corticosterone in rat blood by the method of saturation analysis] Volchek AG. Biol Nauki 10:124-9, 1973 (Rus)

[Evoked potentials of the hypothalamus upon stimulation of the vagus and sciatic nerves] Baklavadzhan OG, et al. Neurofiziolgia 5:253-60, May-Jun 73 (Eng. Abstr.) (Rus)

[Nucleic acids in the ciliary epithelium of the rabbit normally and during stimulation of the hypothalamus] Shaposhnikova NF, et al. Vestn Oftalmol 5:86-8, 1972 (Eng. Abstr.) (Rus)

[Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al. Rev Iber Endocrinol 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. J Clin Endocrinol Metab 37:955-67, Dec 73

Letter: Growth hormone in acromegaly. Lancet 2:913, 20 Oct 73

Depressed whole blood serotonin levels associated with behavioral abnormalities in the de Lange syndrome. Greenberg A, et al. Pediatrics 52:720-4, Nov 73

[A female case of Prader and Willi syndrome; exploration at the post puberal age (author's transl)] Schelson G, et al. Ann Endocrinol (Paris) 34:286-8, May-Jun 73 (Eng. Abstr.) (Fre)

[Hypothalamic control of thyroid function] Medeiros-Neto GA. Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)

[Cross-correlation analysis of the stress rhythm of brain structures during formation of the functional system of defensive nature] Mamedov AM. Dokl Akad Nauk SSSR 212:1017-20, 1 Oct 73 (Rus)

[Electronic computer data on functional connections and phase changes in stress rhythm of cortical and hypothalamic projection zones during formation of pain stress] Mamedov AM. Dokl Akad Nauk SSSR 213:242-5, 1 Nov 73 (Rus)

[Hypothalamic syndrome] Vefn AM. Sov Med 35:3-7, Jun 72 (Rus)

[State of the blood coagulation system in patients with autonomic-vascular syndrome before and after treatment] Bondarenko LP. Vrach Delo 7:24-6, Jul 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

The effect of roentgen irradiation on monoamine containing neurons in the rat brain. Dahlström A, et al. Acta Radiol [Ther] (Stockh) 12:191-200, Jun 73

SECRETION

Golgi Impregnation study of a new catecholamine-containing cell type in the toad hypothalamus. McKenna OC, et al. Anat Rec 177:1-13, Sep 73

Prostaglandin F2 alpha and the release of LH in sheep. Carlson JC, et al. J Reprod Fertil 34:357-61, Aug 73

Letter: Suppression of the cyclic surge of luteinizing hormone secretion and of ovulation in the rat by delta 1-tetrahydrocannabinol. Nir I, et al. Nature 243:470-1, 22 Jun 73

Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. Zárate A, et al. Obstet Gynecol 42:507-10, Oct 73

[Stimulation of the hypophyso-thyroid system during the perinatal period] Siehodziński AB. Acta Physiol Pol [Suppl] 24:713-22, 1973 (Pol)

NEUROSECRETORY SYSTEMS

ANALYSIS

A neurohormone of cephalopods with cardioexcitatory activity. Blanchi D, et al. Gen Comp Endocrinol 21:267-77, Oct 73

ANATOMY & HISTOLOGY

Studies on the urophyls and the caudal neurosecretory system in a teleost, *Ompok himaculatus* (Bloch). Sharma S. Acta Anat (Basel) 86:83-95, 1973

CYTOLOGY

Secretory factors in the retrocerebral endocrine-aortal complex of the water-bug, *Sphaerodema annulatum* (Heteroptera: Belostomatidae). Srivastava KP, et al. Gen Comp Endocrinol 21:398-401, Oct 73

Role of calcium in the seasonal modulation of pacemaker activity in a molluscan neurosecretory cell. Barker JL, et al. Nature 245:462-4, 26 Oct 73

Neuronal properties of nymphal and adult insect neurosecretory cells in vitro. Seshan KR, et al. Science 182:291-3, 19 Oct 73

New features of the brain-retrocerebral neuroendocrine complex of the locust *Schistocerca gregaria* (Scudder). Mason CA. Z Zellforsch Mikrosk Anat 141:19-32, 26 Jul 73

[Histological, histochemical and ultrastructural aspects of the lateral neurosecretory cells of the protocerebrum in *Locusta migratoria migratorioides* (insect: Orthoptera) (author's transl)] Girardie J. Z Zellforsch Mikrosk Anat 141:75-91, 26 Jul 73 (Fre)

GROWTH & DEVELOPMENT

Neuronal properties of nymphal and adult insect neurosecretory cells in vitro. Seshan KR, et al. Science 182:291-3, 19 Oct 73

PATHOLOGY

Induced multiple nucleoli, nucleolar margination, and cell size changes in supraoptic neurons during dehydration and rehydration in the rat. Hatton GI, et al. Brain Res 59:137-54, 14 Sep 73

PHYSIOLOGY

Neuroendocrine control of metabolism of a pulmonate snail, *Ariophanta* Sp. Subramanyam OV. Experientia 29:1150-1, 15 Sep 73

Role of calcium in the seasonal modulation of pacemaker activity in a molluscan neurosecretory cell. Barker JL, et al. Nature 245:462-4, 26 Oct 73

[Influence of the development of the parasite *Xenos vesparum* Rossi (Insecta, Strepsitera) on the neuroendocrine system of *Pollistes* (Hymenoptera, Vespidae) females at the beginning of their imaginal life] Strambi A, et al. Arch Anat Microsc Morphol Exp 62:39-54, Jan-Mar 73 (Fre)

[Morphological peculiarities of the

NEUROENDOCRINOLOGY

diencephalo-pituitary system (with respect to neurosecretion)] Meltner ER.
Bratisl Lek Listy 59:396-404, 1973 (Eng. Abstr.) (Slo)

PINEAL BODY

- Primary intracranial germ cell tumours. Jellinger K. Acta Neuropathol (Berl) 25:291-306, 1973
Evidence for basal secretion in the subcommissural organ of the adult rabbit. Kimble JE, et al. Z Zellforsch Mikrosk Anat 142:223-39, 1973
[Pathological anatomy of lesions of the pineal region] Tommasi M, et al.
Rev Otoneuroophthalmol 45:17-22, Jan-Feb 73 (Fre)
[Clinical and paraclinical aspects of the development of pineal tumors. Considerations on 30 cases] Arseni C, et al.
Neurol Psihiatr Neurochir 18:139-52, Apr 73 (Eng. Abstr.) (Rum)
[Development of intracranial teratomas] Arseni C, et al.
Neurol Psihiatr Neurochir 18:203-10, May-Jun 73 (Eng. Abstr.) (Rum)
[Action of pineal polypeptides on experimental atherosclerosis] Damian E, et al.
Stud Cercet Endocrinol 24:393-403, 1973 (Rum)

ANALYSIS

- Analysis of pineal and brain indole alkylamines by gas chromatography-mass spectrometry. Koslow SH, et al. Adv Biochem Psychopharmacol 7:33-43, 1973
Microbromatographic detection of tryptamine in nervous tissue as determined by the dansyl reaction. Osborne NN, et al.
Naturwissenschaften 60:392, Aug 73

ANATOMY & HISTOLOGY

- [Topographic and surgical anatomy of the pineal region] Deruty R, et al.
Rev Otoneuroophthalmol 45:3-5, Jan-Feb 73 (Fre)

CYTOLOGY

- The rôle of sympathetic innervation in pineal-pituitary feed back. Blocking of pineal changes induced in the rat by experimental hypergonadotropinaemia by chronic treatment with bretyllium or guanethidine. Trentini GP, et al.
Ann Endocrinol (Paris) 34:261-70, May-Jun 73
Ultrastructural characteristics and innervation of the pineal organ of the Antarctic seal Leptonychotes weddelli. Cuello AC. J Morphol 141:217-26, Oct 73
Structure and innervation of the pineal gland of the rabbit, Oryctolagus cuniculus (L.). II. An electron microscopic investigation of the pinealocytes. Romijn HJ. Z Zellforsch Mikrosk Anat 141:545-60, 14 Aug 73

DRUG EFFECTS

- The rôle of sympathetic innervation in pineal-pituitary feed back. Blocking of pineal changes induced in the rat by experimental hypergonadotropinaemia by chronic treatment with bretyllium or guanethidine. Trentini GP, et al.
Ann Endocrinol (Paris) 34:261-70, May-Jun 73
Formation in vitro of N-acetyl-3,4-dimethoxyphenethylamine by pineal hydroxy-indole-O-methyl transferase. Hartley R, et al. Biochem Pharmacol 22:2425-8, 1 Oct 73

ENZYMOLGY

- Formation in vitro of

N-acetyl-3,4-dimethoxyphenethylamine by pineal hydroxy-indole-O-methyl transferase. Hartley R, et al. Biochem Pharmacol 22:2425-8, 1 Oct 73

INNERVATION

- Ultrastructural characteristics and innervation of the pineal organ of the Antarctic seal Leptonychotes weddelli. Cuello AC. J Morphol 141:217-26, Oct 73

METABOLISM

- In vitro accumulation and saturation of 3H-progestins in selected brain regions and in the adenohipophysis, uterus and pineal of the female rat. Luttge WG, et al. Steroids 22:493-502, Oct 73

PATHOLOGY

- Pineal change in Reese's syndrome. Mori W, et al. Acta Pathol Jap 23:359-68, May 73

PHYSIOLOGY

- Wasting disease and tetany following neonatal pinealectomy. Csaba G, et al.
Acta Med Acad Sci Hung 29:231-40, 1973
Photoreception in the photosexual response of quail. II. Effects of intensity and wavelength. Olshl T, et al. Am J Physiol 225:880-6, Oct 73
The rôle of the pineal complex and lateral eyes in the colour change response of the dogfish, Scyllorhinus canicula L. Wilson JF, et al.
J Endocrinol 58:591-8, Sep 73
Effect of pinealectomy and photoperiodism in the reproduction of Indian weaver birds, Ploceus philippinus. Balasubramanian KS, et al.
J Exp Zool 185:333-40, Sep 73
Lack of pituitary, adrenal, thyroid, gonadal, and pineal control of cyclic variation in antibacterial function of neutrophils. Alexander JW, et al.
J Reticuloendothel Soc 14:266-79, Sep 73
Growth hormone regulation by melatonin and serotonin. Smythe GA, et al. Nature 244:230-1, 27 Jul 73
Effect of the pineal gland on alcohol consumption by congenitally blind male rats. Reiter RJ, et al. Q J Stud Alcohol 34:937-9, Sep 73
[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al.
Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.) (Fre)
[Effect of the epiphysis on the follicle-stimulating function of the hypophysis] Grachev II, et al. Fiziol Zh SSSR 59:647-51, Apr 73 (Eng. Abstr.) (Rus)

SURGERY

- Wasting disease and tetany following neonatal pinealectomy. Csaba G, et al.
Acta Med Acad Sci Hung 29:231-40, 1973
Reversal by melatonin of the effect of pinealectomy on tumor growth. el-Domeiri AA, et al.
Cancer Res 33:2830-3, Nov 73
[Topographic and surgical anatomy of the pineal region] Deruty R, et al.
Rev Otoneuroophthalmol 45:3-5, Jan-Feb 73 (Fre)

NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

PINEALOMA

[Classic syndromes of brain tumor] Scarff JE.
Rev Esp Otoneurooftalmol Neurocir 31:133-42,
Mar-Jun 73 (Eng. Abstr.) (Spa)

BLOOD

[Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al.
Folia Endocrinol Jap 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al.

J Neurol Neurosurg Psychiatry 36:864-73, Oct 73
[Semelological and evolutive aspects of tumors of the pineal body and of the pineal region studied in the light of 52 cases] Almard G, et al.

Rev Otoneuroophtalmol 45:33-9, Jan-Feb 73 (Fre)

[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al.

Rev Otoneuroophtalmol 45:7-16, Jan-Feb 73 (31 ref.) (Fre)

[Deafness caused by brain stem lesions] Haguenauer JP. Rev Otoneuroophtalmol 45:69-74, Jan-Feb 73 (Fre)

DIAGNOSIS

[EEG data in tumors of the pineal region] Setley A, et al. Rev Otoneuroophtalmol 45:31-2, Jan-Feb 73 (Fre)

[Clinical and paraclinical aspects of the development of pineal tumors. Considerations on 30 cases] Arseni C, et al.

Neurol Psichiatr Neurochir 18:139-52, Apr 73 (Eng. Abstr.) (Rum)

DRUG THERAPY

Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al.

J Neurol Neurosurg Psychiatry 36:864-73, Oct 73

ENZYMOLGY

Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al.

J Neurol Neurosurg Psychiatry 36:864-73, Oct 73

PATHOLOGY

Ectopic pinealoma: an unusual clinical presentation and a histochemical comparison with a seminoma of the testis. Beeley JM, et al.

J Neurol Neurosurg Psychiatry 36:864-73, Oct 73

[Pathological anatomy of lesions of the pineal region] Tommasi M, et al.

Rev Otoneuroophtalmol 45:17-22, Jan-Feb 73 (Fre)

RADIOGRAPHY

[Neuroradiography and tumors of the pineal region] Joyeux O, et al.

Rev Otoneuroophtalmol 45:23-30, Jan-Feb 73 (Fre)

NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING HORMONE

METABOLISM

Effect of acute neurogenic stress on hypothalamic corticotropin-releasing factor content. Chowers I, et al. *Isr J Med Sci* 9:1056-8, Aug 73

PHARMACODYNAMICS

Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:737-42, Oct 73

PHYSIOLOGY

Diurnal rhythm of corticotropin-releasing factor activity in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:743-7, Oct 73
Evidence for the existence of a corticotropin-releasing factor in the pigeon hypothalamus. Sato T, et al. *Can J Physiol Pharmacol* 51:737-42, Oct 73
Some recent concepts on anterior pituitary control. Manku MS, et al. *East Afr Med J* 50:323-6, Jun 73
[Functional examination of the corticotropin releasing factor-ACTH system] Fernández-Cruz A, et al. *Rev Iber Endocrinol* 20:247-363, Jul-Aug 73 (Eng. Abstr.) (Spa)

LH-FSH RELEASING HORMONE

13C nuclear magnetic resonance studies of the conformation of the X-pro bond in the oligopeptide hormones, thyrotropin-releasing hormone, luteinizing hormone-releasing factor, angiotensin and melanocyte-stimulating hormone release-inhibiting factor. Deslauriers R, et al. *Biochem Biophys Res Commun* 53:244-50, 2 Jul 73
A sensitive radioimmunoassay for thyrotropin releasing hormone. May P, et al. *Chim Chim Acta* 46:371-6, 27 Jul 73
Effects of antibodies to luteinizing hormone-releasing hormone in the male rabbit and on the rat oestrous cycle. Fraser HM, et al. *Nature* 244:160-1, 20 Jul 73

ADMINISTRATION & DOSAGE

"Triggering" of ovulation after infusion of synthetic luteinizing hormone releasing factor (LRF). Nakano R, et al. *Acta Obstet Gynecol Scand* 52:269-72, 1973
Effect of synthetic luteinizing hormone releasing hormone on pituitary and serum levels of luteinizing hormone of intact and median eminence lesioned male rats. Corbin A, et al. *Experientia* 29:1025-6, 15 Aug 73
Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH. Hashimoto T, et al. *J Clin Endocrinol Metab* 37:910-6, Dec 73
Hormonal responses to intranasal luteinizing hormone releasing hormone. London DR, et al. *J Clin Endocrinol Metab* 37:829-31, Nov 73
Characterization of the LH response to luteinizing hormone-releasing hormone (LH-RH) in isolated and multiple tropic hormone deficiencies. Medeiros-Neto GA, et al. *J Clin Endocrinol Metab* 37:972-6, Dec 73
Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. Zárate A, et al. *Obstet Gynecol* 42:507-10, Oct 73
[Influence of early postnatal androgenization of female rats on the progeria-like syndrome following administration of dihydrotestosterone] Churý Z. *Cesk Patol* 9:159-64, Aug 73 (Eng. Abstr.) (Cze)
[Results of the LH-RH-hypophyseal function test in women with secondary amenorrhea (author's transl)] Schneider WH, et al. *Wien Klin Wochenschr* 85:588-90, 7 Sep 73 (Eng. Abstr.) (Ger)

ANALYSIS

Chemico-biological relationships of follicle stimulating hormone-releasing hormone and luteinizing hormone-releasing hormone. Kennedy JF, et al. *Life Sci* 12:533-44, 15 Jun 73

BLOOD

Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in female rats. Gombe S, et al. *Biol Reprod* 9:415-9, Nov 73

CHEMICAL SYNTHESIS

Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. Okada Y, et al. *Biochem Biophys Res Commun* 53:1180-6, 21 Aug 73
An improved solid-phase synthesis of the luteinizing-hormone releasing-hormone-follicle-stimulating hormone releasing-hormone (LH-RH-FSH-RH). Arnold WH, et al. *J Med Chem* 16:1054-5, Sep 73
Effect of simple amino acid replacements on the biological activity of luteinizing hormone-releasing hormone. Coy DH, et al. *J Med Chem* 16:1140-3, Oct 73
Further studies on the structure-activity relationships in the C-terminal part of luteinizing hormone-releasing hormone. Fujino M, et al. *J Med Chem* 16:1144-7, Oct 73

DIAGNOSTIC USE

Characterization of the LH response to luteinizing hormone-releasing hormone (LH-RH) in isolated and multiple tropic hormone deficiencies. Medeiros-Neto GA, et al. *J Clin Endocrinol Metab* 37:972-6, Dec 73
Functional evaluation of pituitary reserve in patients with the amenorrhea-galactorrhea syndrome utilizing luteinizing hormone-releasing hormone (LH-RH), L-dopa and chlorpromazine. Zárate A, et al. *J Clin Endocrinol Metab* 37:855-9, Dec 73

METABOLISM

Subcellular distribution and fate of radioactivity in ovaries of pseudo-pregnant rats after in vivo administration of (131-I)HCG. Braendle W, et al. *Acta Endocrinol (Kbh)* 74:361-70, Oct 73
Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in female rats. Gombe S, et al. *Biol Reprod* 9:415-9, Nov 73
LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J. *FEBS Lett* 35:59-62, 1 Sep 73
The half-life, metabolism and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in man. Redding TW, et al. *J Clin Endocrinol Metab* 37:626-31, Oct 73

PHARMACODYNAMICS

"Triggering" of ovulation after infusion of synthetic luteinizing hormone releasing factor (LRF). Nakano R, et al. *Acta Obstet Gynecol Scand* 52:269-72, 1973
Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. Okada Y, et al. *Biochem Biophys Res Commun* 53:1180-6, 21 Aug 73
Ovulating and LH-releasing activity of a highly potent analog of synthetic gonadotropin-releasing hormone. Rippel RH, et al. *Endocrinology* 93:1449-52, Dec 73
Effect of synthetic luteinizing hormone releasing hormone on pituitary and serum levels of luteinizing hormone of intact and median eminence lesioned male rats. Corbin A, et al. *Experientia* 29:1025-6, 15 Aug 73
LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors. Spona J. *FEBS Lett* 35:59-62, 1 Sep 73

NEUROENDOCRINOLOGY

Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH.

Hasimoto T, et al.

J Clin Endocrinol Metab 37:910-6, Dec 73

Responses of serum luteinizing hormone and follicle-stimulating hormone levels to synthetic luteinizing hormone-releasing hormone (LH-RH) in various forms of testicular disorders. Isurugi K, et al.

J Clin Endocrinol Metab 37:533-9, Oct 73

Hormonal responses to intranasal luteinizing hormone releasing hormone. London DR, et al.

J Clin Endocrinol Metab 37:829-31, Nov 73

The estimation of pituitary luteinizing hormone secretion. Rebar R, et al.

J Clin Endocrinol Metab 37:917-27, Dec 73

Effect of synthetic luteinizing hormone-releasing factor on serum testosterone and gonadotropins in prepubertal, pubertal and adult males. Roth JC, et al.

J Clin Endocrinol Metab 37:880-6, Nov 73

An improved solid-phase synthesis of the luteinizing-hormone

releasing-hormone-follicle-stimulating hormone releasing-hormone (LH-RH-FSH-RH). Arnold WH, et al.

J Med Chem 16:1054-5, Sep 73

Effect of simple amino acid replacements on the biological activity of luteinizing hormone-releasing hormone. Coy DH, et al.

J Med Chem 16:1140-3, Oct 73

Further studies on the structure-activity relationships in the C-terminal part of luteinizing

hormone-releasing hormone. Fujino M, et al.

J Med Chem 16:1144-7, Oct 73

Chemico-biological relationships of follicle stimulating hormone-releasing hormone and luteinizing hormone-releasing hormone. Kennedy JF, et al.

Life Sci 12:533-44, 15 Jun 73

New bioassay for luteinizing hormone. Rees LH, et al.

Nature 244:232-4, 27 Jul 73

Neurovascular regulation of the anterior hypophysis. Porter JC, et al.

Recent Prog Horm Res 29:161-98, 1973

[Influence of early postnatal androgenization of female rats on the progeria-like syndrome following administration of dihydrotestosterone] Churý Z.

Cesk Patol 9:159-64, Aug 73 (Eng. Abstr.) (Cze)

PHYSIOLOGY

Some recent concepts on anterior pituitary control.

Manku MS, et al. East Afr Med J 50:323-6, Jun 73

Chemico-biological relationships of follicle stimulating hormone-releasing hormone and luteinizing hormone-releasing hormone. Kennedy JF, et al.

Life Sci 12:533-44, 15 Jun 73

[The acute feedback action of exogenously administered oestrogens on the serum-gonadotropin-levels in pre- and postmenopausal women (author's trans)] Czygan PJ, et al.

Arch Gynaekol 215:17-38, 25 May 73 (Eng. Abstr.) (Ger)

[The LH and FSH output in artificial cryptorchidism (author's trans)] Altwein JE, et al.

Urol Int 28:370-6, 1973 (Eng. Abstr.) (Ger)

SECRETION

Letter: Possible control of

luteinizing-hormone-releasing hormone by enzymatic degradation. Griffiths EC, et al. Lancet 2:862, 13 Oct 73

URINE

The half-life, metabolism and excretion of tritiated luteinizing hormone-releasing hormone (LH-RH) in man. Redding TW, et al.

J Clin Endocrinol Metab 37:626-31, Oct 73

Identification by radioimmunoassay of the luteinizing hormone-releasing hormone in human urine.

Jeffcoate SL, et al. Nature 244:161-2, 20 Jul 73

MELATONIN

ADMINISTRATION & DOSAGE

Quabain-induced seizures in rats: modification by melatonin and melanocyte-stimulating hormone.

Izumi K, et al.

Can J Physiol Pharmacol 51:572-8, Aug 73

ANALYSIS

Analysis of pineal and brain indole alkylamines by gas chromatography-mass spectrometry. Koslow SH, et al. Adv Biochem Psychopharmacol 7:33-43, 1973

BLOOD

Tryptamines. 3. The estimation of melatonin in blood serum. Cole ER, et al. Biochem Med 8:37-43, Aug 73

PHARMACODYNAMICS

Possible role of serotonin in the monoamines-induced inhibition of the stress mechanism in the rat. Vermes I, et al. Acta Physiol Acad Sci Hung 42:219-23, 1972

Quabain-induced seizures in rats: modification by melatonin and melanocyte-stimulating hormone.

Izumi K, et al.

Can J Physiol Pharmacol 51:572-8, Aug 73

The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. Kinson GA, et al.

Can J Physiol Pharmacol 51:313-8, May 73

Reversal by melatonin of the effect of pinealectomy on tumor growth. el-Domeiri AA, et al.

Cancer Res 33:2830-3, Nov 73

Effects of pituitary hormones, melatonin, and thyroidal inhibitors on radioiodide uptake by the thyroid glands of larval and adult tiger salamanders, Ambystoma tigrinum (Amphibia: Caudata). Norris DO, et al.

Gen Comp Endocrinol 21:368-76, Oct 73

Growth hormone regulation by melatonin and serotonin. Smythe GA, et al. Nature 244:230-1, 27 Jul 73

Effect of the pineal gland on alcohol consumption by congenitally blind male rats. Reiter RJ, et al.

Q J Stud Alcohol 34:937-9, Sep 73

[Effect of melatonin on the hypothalamo-hypophyseal-adrenal system of rats] Maslova LN, et al.

Probl Endocrinol (Mosk) 19:55-9, Sep-Oct 73 (Eng. Abstr.) (Rus)

PITUITARY HORMONE RELEASING HORMONES

[Hypothalamic control of thyroid function]

Medeiros-Neto GA.

Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)

ADMINISTRATION & DOSAGE

Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kiltok RJ, et al.

J Anim Sci 37:985-9, Oct 73

The effects of synthetic gonadotrophin releasing factor on the release of luteinizing hormone and follicle-stimulating hormone from ovine pituitary tissue in vitro. Crighton DB.

J Endocrinol 58:387-91, Sep 73

[Effects of short- and long-term administration of synthetic FSH- and LH-releasing hormone on the parameters assessing menstrual function in women with secondary amenorrhoea] Schneider WH, et al.

Wien Klin Wochenschr 85:554-8, 17 Aug 73 (Eng. Abstr.) (Ger)

ANALYSIS

Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. Crighton DB, et al.

J Endocrinol 58:377-85, Sep 73

The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. Hartley BM, et al.

J Endocrinol 58:363-75, Sep 73

ANTAGONISTS & INHIBITORS

Solid phase synthesis of growth hormone-release inhibiting factor. Coy DH, et al.

Biochem Biophys Res Commun 54:1267-73, 15 Oct 73

¹³C nuclear magnetic resonance studies of the conformation of the X-pro bond in the oligopeptide hormones, thyrotrophin-releasing hormone, luteinizing hormone-releasing factor, angiotensin and

NEUROENDOCRINOLOGY

- melanocyte-stimulating hormone release-inhibiting factor. Deslaurlers R, et al.
Biochem Biophys Res Commun 53:244-50, 2 Jul 73
 Synthesis of a peptide with full somatostatin activity. Yamashiro D, et al.
Biochem Biophys Res Commun 54:882-8, 1 Oct 73
 Some actions of growth hormone release inhibiting factor. Hansen AP, et al. *Br Med J* 3:523-4, 8 Sep 73
 Intramolecular motion in peptide determined by ¹³C NMR: a spin-lattice relaxation time-study on MSH-release-inhibiting factor. Deslaurlers R, et al. *FEBS Lett* 37:27-32, 15 Nov 73
 Effect of progesterone on the pituitary responsiveness to luteinizing hormone releasing hormone (LHRH) in intact anoestrous ewes. Plant HC, et al. *J Physiol (Lond)* 232:45P-47P, Jul 73
 Neuroendocrine influences on visual discrimination and reversal learning in the albino and hooded rat. Sandman CA, et al. *Physiol Behav* 11:613-7, Nov 73

DIAGNOSTIC USE

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction. Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
 Advances in gynaecology. Barr W. *Practitioner* 211:459-64, Oct 73
 [LH-RH test-interpretation of the results] Aono T, et al. *Jap J Clin Med* 31:1615-22, 1973 (Jap)

PHARMACODYNAMICS

- Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73
 The effects of synthetic gonadotrophin releasing factor on the release of luteinizing hormone and follicle-stimulating hormone from ovine pituitary tissue in vitro. Crighton DB. *J Endocrinol* 58:387-91, Sep 73
 Influence of the tripeptide, PRO-ARG-GLY-(NH₂), on ovulation induced with LH or synthetic LH-FSH releasing hormone in chlorpromazine-treated pro-oestrous rats. Lastra M de la, et al. *J Reprod Fertil* 34:531-4, Sep 73
 Luteinizing hormone-releasing factor potentiates lordosis behavior in hypophysectomized ovariectomized female rats. Pfaff DW. *Science* 182:1148-9, 14 Dec 73
 [Influence of synthetic LH-RH on gonadotrophin release under treatment with an oral contraceptive] Becker H, et al. *Klin Wochenschr* 51:159-61, 1 Aug 73 (Ger)

PHYSIOLOGY

- Induction of ovulation with clomiphene citrate. Kase N. *Clin Obstet Gynecol* 16:192-200, Sep 73
 Some recent concepts on anterior pituitary control. Manku MS, et al. *East Afr Med J* 50:323-6, Jun 73

SECRETION

- Letter: Suppression of the cyclic surge of luteinizing hormone secretion and of ovulation in the rat by delta 1-tetrahydrocannabinol. Nir I, et al. *Nature* 243:470-1, 22 Jun 73

THERAPEUTIC USE

- Luteinizing hormone and follicle stimulating hormone-releasing hormone test in patients with hypothalamic-pituitary-gonadal dysfunction. Mortimer CH, et al. *Br Med J* 4:73-7, 13 Oct 73
 Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. Kittok RJ, et al. *J Anim Sci* 37:985-9, Oct 73
 [Effects of short- and long-term administration of synthetic FSH- and LH-releasing hormone on the parameters assessing menstrual function in women with secondary amenorrhoea] Schneider WH, et al. *Wien Klin Wochenschr* 85:554-8, 17 Aug 73 (Eng. Abstr.) (Ger)

SOMATOTROPIN RELEASING HORMONE

ANTAGONISTS & INHIBITORS

- Total synthesis of hypothalamic "somatostatin". Sarantakis D, et al.
Biochem Biophys Res Commun 54:234-8, 5 Sep 73
 Letter: Growth hormone in acromegaly. *Lancet* 2:913, 20 Oct 73

PHYSIOLOGY

- Some recent concepts on anterior pituitary control. Manku MS, et al. *East Afr Med J* 50:323-6, Jun 73
 A stain for somatotrophic cells in the rat pituitary gland. Van Nesselrooy JH, et al. *Z Versuchstierkd* 15:94-5, 1973

SECRETION

- The levodopa test of growth hormone reserve in children. Porter BA, et al. *Am J Dis Child* 126:589-92, Nov 73
 Letter: Growth hormone in acromegaly. *Lancet* 2:913, 20 Oct 73
 [Growth hormone deficiency dwarfism and idiopathic hypopituitarism. Study of hypothalamo-hypophyseal function] Martin Zurro A, et al. *Rev Clin Esp* 130:117-22, 31 Jul 73 (Eng. Abstr.) (Spa)
 [Clinical adeno-hypophyseal patterns of TSH and ACTH of hypothalamic origin] Romero E. *Rev Iber Endocrinol* 20:451-523, Sep-Oct 73 (Eng. Abstr.) (Spa)

THYROTROPIN RELEASING HORMONE

- ¹³C nuclear magnetic resonance studies of the conformation of the X-pro bond in the oligopeptide hormones, thyrotrophin-releasing hormone, luteinizing hormone-releasing factor, angiotensin and melanocyte-stimulating hormone release-inhibiting factor. Deslaurlers R, et al.
Biochem Biophys Res Commun 53:244-50, 2 Jul 73

ADMINISTRATION & DOSAGE

- Letter: Effect of thyrotrophin-releasing hormone on the serum cholesterol. Vis-Melsen MJ van der, et al. *Br Med J* 4:419, 17 Nov 73
 Prolactin and growth hormone release in response to sequential stimulation by arginine and synthetic TRF. Rakoff JS, et al. *J Clin Endocrinol Metab* 37:641-4, Nov 73
 Prolactin release induced by synthetic thyrotrophin releasing factor in female rats. Dels RP, et al. *J Endocrinol* 58:673-4, Sep 73
 [Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al. *Folia Endocrinol Jap* 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)
 [Pituitary TSH releasing capacity in the aged] Sakoda M, et al. *Folia Endocrinol Jap* 49:1177-85, 20 Sep 73 (Eng. Abstr.) (Jap)
 [Biological fate of thyrotrophin-releasing hormone (TRH)] Sakuma M, et al. *Folia Endocrinol Jap* 49:1186-97, 20 Sep 73 (Eng. Abstr.) (Jap)

ADVERSE EFFECTS

- [TRH test-interpretation of the test results] Miyai K, et al. *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)

ANALYSIS

- Localization and content of thyrotrophin releasing factor (TRF) in median eminence of the hypothalamus. Joseph SA, et al. *Acta Endocrinol (Kbh)* 74:215-25, Oct 73
 Radioimmunoassay of thyrotrophin releasing hormone. Jeffcoat SL, et al. *J Endocrinol* 59:191-2, Oct 73
 T3 toxicosis in adolescence: presentation as recurrent hyperthyroidism. AvRuskin TW, et al. *Pediatrics* 52:649-52, Nov 73
 [Biological fate of thyrotrophin-releasing hormone

NEUROENDOCRINOLOGY

(TRH)] Sakuma M, et al.
Folia Endocrinol Jap 49:1188-97, 20 Sep 73 (Eng. Abstr.) (Jap)

BLOOD

A sensitive radioimmunoassay for thyrotropin releasing hormone. May P, et al.
Clin Chim Acta 46:371-8, 27 Jul 73
Factors in blood influencing the determination of thyrotropin releasing hormone. May P, et al.
Clin Chim Acta 46:377-82, 27 Jul 73
Plasma thyrotropin and its response to thyrotropin releasing hormone in normal pregnancy. Kannan V, et al. Obstet Gynecol 42:547-9, Oct 73
[Usefulness of plasma TSH determination and of the TRH test in thyroid pathology (author's transl)] Lemarchand-Béraud T.
Ther Umsch 30:692-7, Oct 73 (Eng. Abstr.) (Fre)

CEREBROSPINAL FLUID

Study on the existence of TRH in the cerebrospinal fluid in humans. Ishikawa H.
Biochem Biophys Res Commun 54:1203-9, 1 Oct 73

CHEMICAL SYNTHESIS

N-Carbobenzoxyl-L-pyroglyutamyl-L-histidyl peptides. Kurath P, et al. Helv Chim Acta 56:1658-61, 1973
Synthesis of the thyrotropin-releasing hormone enantiomer and some diastereoisomers and in vitro studies of their biological activity. Flouret G, et al. J Med Chem 16:1137-40, Oct 73

DIAGNOSTIC USE

Thyroid nodule autonomy: its demonstration by the thyrotropin releasing hormone (TRH) stimulation test. Karlberg BE.
Acta Endocrinol (Kbh) 73:689-99, Aug 73
Serum thyrotropin and response to thyrotropin-releasing hormone in patients who are euthyroid after radioliodine treatment for hyperthyroidism. Gordin A, et al.
Acta Med Scand 194:335-40, Oct 73
The levodopa test of growth hormone reserve in children. Porter BA, et al.
Am J Dis Child 126:589-92, Nov 73
Alpha chain of glycoprotein hormones: presence in human serum after thyroid stimulating hormone releasing hormone. Benveniste R, et al.
J Clin Endocrinol Metab 37:822-5, Nov 73
Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy. Chopra IJ, et al. J Clin Endocrinol Metab 37:955-67, Dec 73
Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. Faglia G, et al.
J Clin Endocrinol Metab 37:595-601, Oct 73
Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Franco PS, et al.
Metabolism 23:1357-65, Nov 73
[Usefulness of plasma TSH determination and of the TRH test in thyroid pathology (author's transl)] Lemarchand-Béraud T.
Ther Umsch 30:692-7, Oct 73 (Eng. Abstr.) (Fre)
[TRH test-interpretation of the test results] Miyai K, et al. Jap J Clin Med 31:1598-605, 1973 (47 ref.) (Jap)

METABOLISM

Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Eddy LJ, et al.
Biochem Biophys Res Commun 54:140-6, 5 Sep 73
Binding of a tritiated thyrotropin-releasing factor to a prolactin secreting clonal cell line (GH3). Gourdl D, et al. Exp Cell Res 82:39-46, Nov 73
[Biological fate of thyrotropin-releasing hormone (TRH)] Sakuma M, et al.
Folia Endocrinol Jap 49:1188-97, 20 Sep 73 (Eng. Abstr.) (Jap)

PHARMACODYNAMICS

Physiologic and pathologic profiles of circulating human prolactin. Jaffe RB, et al.
Am J Obstet Gynecol 117:757-73, 15 Nov 73
Study on the existence of TRH in the cerebrospinal fluid in humans. Ishikawa H.
Biochem Biophys Res Commun 54:1203-9, 1 Oct 73
Letter: Effect of thyrotropin-releasing hormone on the serum cholesterol. Vis-Melsen MJ van der, et al.
Br Med J 4:419, 17 Nov 73
Prolactin and growth hormone release in response to sequential stimulation by arginine and synthetic TRF. Rakoff JS, et al.
J Clin Endocrinol Metab 37:641-4, Nov 73
Influence of sex phase of the menstrual cycle on thyrotropin (TSH) response to thyrotropin-releasing hormone (TRH). Sanchez-Franco F, et al.
J Clin Endocrinol Metab 37:736-40, Nov 73
Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. J Clin Invest 52:2783-92, Nov 73
Prolactin release induced by synthetic thyrotropin releasing factor in female rats. Dels RP, et al.
J Endocrinol 58:673-4, Sep 73
Synthesis of the thyrotropin-releasing hormone enantiomer and some diastereoisomers and in vitro studies of their biological activity. Flouret G, et al.
J Med Chem 16:1137-40, Oct 73
Letter: Lithium and the thyroid. Kirkegaard C, et al.
Lancet 2:1210, 24 Nov 73
In vivo stimulation of prolactin release in the rat by synthetic TRH. Mueller GP, et al.
Proc Soc Exp Biol Med 144:613-5, Nov 73
[Effects of synthetic TRH on human prolactin (HPr) secretion] Kato Y, et al.
Folia Endocrinol Jap 49:1215-22, 20 Sep 73 (Eng. Abstr.) (Jap)
[Pituitary TSH releasing capacity in the aged] Sakoda M, et al.
Folia Endocrinol Jap 49:1177-85, 20 Sep 73 (Eng. Abstr.) (Jap)

PHYSIOLOGY

Some recent concepts on anterior pituitary control. Manku MS, et al. East Afr Med J 50:323-6, Jun 73
[Stimulation of the hypophyso-thyroid system during the perinatal period] Siebodziński AB.
Acta Physiol Pol [Suppl] 24:713-22, 1973 (Pol)

SECRETION

Plasma thyrotropin and its response to thyrotropin releasing hormone in normal pregnancy. Kannan V, et al. Obstet Gynecol 42:547-9, Oct 73
[Hypothalamic control of thyroid function] Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)

THERAPEUTIC USE

Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. Ramírez G, et al.
Ann Intern Med 79:500-4, Oct 73

URINE

Factors in blood influencing the determination of thyrotropin releasing hormone. May P, et al.
Clin Chim Acta 46:377-82, 27 Jul 73
A sensitive radioimmunoassay for thyrotropin releasing hormone. May P, et al.
Clin Chim Acta 46:371-6, 27 Jul 73
[Biological fate of thyrotropin-releasing hormone (TRH)] Sakuma M, et al.
Folia Endocrinol Jap 49:1188-97, 20 Sep 73 (Eng. Abstr.) (Jap)

CYCLIC NUCLEOTIDES

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE

- The effect of psychotropic drugs on phosphodiesterase cAMP, ATPase and on 5'nucleotidase. Farskå I, et al. *Act Nerv Super (Praha)* 15:124-5, May 73
- RNA-antigen complexes: mechanism of formation and the testing of a postulated mode of action. Goodman JW, et al. *Ann NY Acad Sci* 207:288-300, 31 May 73
- Effect of concanavalin A on cellular slime mold development: premature appearance of membrane-bound cyclic AMP phosphodiesterase. Gillette MU, et al. *Biochem Biophys Res Commun* 53:1159-66, 21 Aug 73
- Cyclic nucleotide-dependent protein kinases of the rat pancreas. Van Leemput-Coutrez M, et al. *Biochem Biophys Res Commun* 54:182-90, 5 Sep 73
- Adenosine 3':5'-cyclic monophosphate-binding protein from the cellular slime mould *Dicystostellum discoideum*. Malkinson AM, et al. *Biochem J* 133:601-3, Jul 73
- On the photoaffinity labelling of rabbit muscle phosphofructokinase with O²-(ethyl-2-diazomalonyl)adenosine 3':5'-cyclic monophosphate. Cooperman BS, et al. *Biochemistry* 12:4079-84, 9 Oct 73
- Partial purification of a cyclic AMP phosphodiesterase from soybean callus. Isolation of a non-dialysable inhibitor. Brewin NJ, et al. *Biochim Biophys Acta* 320:104-22, 17 Aug 73
- Development of cyclic AMP metabolism in rat liver. A correlative study of tissue levels of cyclic AMP, accumulation of cyclic AMP in slices, adenylate cyclase activity and cyclic nucleotide phosphodiesterase activity. Christoffersen T, et al. *Biochim Biophys Acta* 313:338-49, 28 Jul 73
- Multiple forms of adenosine 3',5'-cyclic monophosphate-dependent protein kinase from monkey skin. Kumar R, et al. *Biochim Biophys Acta* 315:66-72, 5 Jul 73
- Effects of thyrotropin, prostaglandin E₁ and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al. *Biochim Biophys Acta* 313:320-8, 28 Jul 73
- Transport of methotrexate into normal haemopoietic cells and into leukaemic cells and its effects on DNA synthesis. Hoffbrand V, et al. *Br J Haematol* 25:497-511, Oct 73
- Activity of adenosine 3',5'-cyclic monophosphate phosphodiesterase in tissues of adult locust *Schistocerca gregaria* L. (Orthoptera). Bleilńska M, et al. *Bull Acad Pol Sci [Biol]* 21:471-8, 1973
- Cyclic nucleotide phosphodiesterase from *Tetrahymena*. Ramanathan S, et al. *Comp Biochem Physiol [B]* 46:93-7, 15 Sep 73
- Alcohol inhibition of cyclic AMP-induced insulin release. Colwell AR Jr, et al. *Diabetes* 22:854-7, Nov 73
- Evidence for separate sites of action for the antihypolytic effects of insulin and prostaglandin E₁. Loten EG, et al. *Endocrinology* 93:1315-22, Dec 73
- The effect of stress induced by ether anaesthesia on cholesterol content and cholesteryl-esterase activity in rat-adrenal cortex. Trzeciak WH, et al. *Eur J Biochem* 37:327-33, 17 Aug 73
- Studies with two new phosphodiesterase inhibitors (ICI 58,301 and ICI 63,197) on anaphylaxis in guinea pigs, mice and rats. Davies GE, et al. *Int Arch Allergy Appl Immunol* 45:487-78, 1973
- Chemical evolution of a nitrogenase model. VI. The reduction of CN⁻, N₃⁻, N₂O, N₂, and other substrates by molybdocysteine catalysts in the presence of nucleoside phosphates. Schrauzer GN, et al. *J Am Chem Soc* 95:5582-92, 22 Aug 73
- Cyclic 3',5'-adenosine monophosphate phosphodiesterase of *Escherichia coli*. Nielsen LD, et al. *J Bacteriol* 116:857-66, Nov 73
- An effect of insulin on cyclic adenosine 3':5'-monophosphate phosphodiesterase activity in fat cells. Manganelli V, et al. *J Biol Chem* 248:7164-70, 25 Oct 73
- Synthesis and biological activity of certain carbamoyl and alkoxycarbonyl derivatives of adenosine 3',5'-cyclic phosphate. Boswell KH, et al. *J Med Chem* 16:1075-9, Oct 73
- Different cyclic AMP requirements for induction of the arabinose and lactose operons of *Escherichia coli*. Lis JT, et al. *J Mol Biol* 79:149-62, 5 Sep 73
- Proteins in the degenerative retina of C3H mice: deficiency of a cyclic-nucleotide phosphodiesterase and opsin. Farber DB, et al. *J Neurochem* 21:817-28, Oct 73
- A rapid fluorometric assay for 2',3'-cyclic adenosine monophosphate 3'-phosphoesterhydrolase. Trams EG. *J Neurochem* 21:995-7, Oct 73
- The electronic structure of and conformational energy barrier to rotation around the C-N glycosidic linkage in adenosine-3',5'-cyclic monophosphate (cyclic AMP) and its phosphonate analog. Jordan F. *J Theor Biol* 41:23-40, 14 Sep 73
- Effect of morphine administration on adenylyl cyclase and 3',5'-cyclic nucleotide phosphodiesterase activities in the brain. Nalio K, et al. *Jap J Pharmacol* 23:274-6, Apr 73
- A technique for studying chemotaxis of leukocytes in well-defined chemotactic fields. Grimes GJ, et al. *Methods Cell Biol* 6:325-44, 1973
- Role of inositol cyclic phosphate in stimulated tissues. Freinkel N, et al. *Nature* 243:535-7, 29 Jun 73
- Hormonal regulation of gene expression in mammary cells. Turkington RW, et al. *Recent Prog Horm Res* 29:417-55, 1973 (70 ref.)
- Protein kinases: aspects of their regulation and diversity. Walsh DA, et al. *Recent Prog Horm Res* 29:329-59, 1973 (44 ref.)
- Phosphorylation of muscle membranes: identification of a membrane-bound protein kinase. Andrew CG, et al. *Science* 182:927-9, 20 Nov 73
- Bicyclic phosphorus esters: high toxicity without cholinesterase inhibition. Bellet EM, et al. *Science* 182:1135-6, 14 Dec 73
- [Cyclic nucleotide phosphodiesterases in rat pancreas] Robberecht P, et al. *Arch Int Physiol Biochim* 81:593, Sep 73 (Fre)

ADMINISTRATION & DOSAGE

- Adrenaline-like effects of intracellular iontophoresis of cyclic AMP in cardiac Purkinje fibres. Tsien RW. *Nature [New Biol]* 245:120-2, 28 Sep 73

ANALYSIS

- A simplified procedure for the assay of 3':5'-cyclic AMP by the activation of liver phosphorylase. Werve G van de, et al. *Arch Int Physiol Biochim* 81:599, Sep 73
- Inhibition of cyclic AMP formation and lipolysis in rat adipose tissue by nicotinic acid. Andersson R, et al. *Atherosclerosis* 18:399-406, Nov-Dec 73
- Evidence for the presence of 3',5'-cyclic AMP in plant

- tissues. Raymond P, et al.
Biochem Biophys Res Commun 53:1115-21, 21 Aug 73
- In vivo changes in the concentration of cerebral cyclic AMP, phosphorylase a and glycogen induced by histogenic amines. Edwards C, et al.
Br J Pharmacol 48:353P-354P, Jun 73
- In vitro correction of antigen-induced immune suppression: effects of poly(A) poly(U) and prostaglandin E. Mozes E, et al.
Cell Immunol 9:226-33, Nov 73
- Mechanisms of activation of cardiac glycogen phosphorylase in ischemia and anoxia. Dohson JG Jr, et al. *Circ Res* 33:412-20, Oct 73
- Cyclic adenosine 3',5'-monophosphate concentration in rabbit parotid slices following stimulation by secretagogues. Monnard P, et al.
Eur J Pharmacol 23:306-10, Sep 73
- Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylate cyclase and adenosine triphosphatase in pharmacologic regulation. Coffey RG, et al.
Int Arch Allergy Appl Immunol 45:593-611, 1973
- Adrenergic antagonists, and a possible link between the increase in cyclic adenosine 3',5'-monophosphate and DNA synthesis during liver regeneration. MacManus JP, et al. *J Cell Physiol* 82:157-64, Oct 73
- High-pressure liquid chromatography of modified purine mononucleotides and nucleosides. Stahl KW, et al. *J Chromatogr* 83:395-404, 29 Aug 73
- Alkaline phosphatase. Possible induction by cyclic AMP after cholera enterotoxin administration. Baker A, et al. *J Clin Invest* 52:2928-34, Nov 73
- In vivo suppression of the immune response to alloantigen by cholera enterotoxin. Henney CS, et al. *J Clin Invest* 52:2853-7, Nov 73
- Detection of cyclic AMP in parotid saliva of normal individuals. Schaeffer LD, et al.
J Comp Neurol 52:629, May-Jun 73
- Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylate cyclase. Koch Y, et al. *J Endocrinol* 58:677-8, Sep 73
- Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al. *J Endocrinol* 59:43-55, Oct 73
- Mechanism of oestradiol action on the rat uterus: independence of cyclic AMP, prostaglandin E2 and beta-adrenergic mediation. Zor U, et al.
J Endocrinol 58:525-33, Sep 73
- Bimodal effect of insulin on hormone-stimulated lipolysis: relation to intracellular 3',5'-cyclic adenylic acid and free fatty acid levels. Desai KS, et al. *J Lipid Res* 14:647-55, Nov 73
- Phenylephrine-induced increases in cardiac contractility, cyclic adenosine monophosphate and phosphorylase a. McNeill J, et al.
J Pharmacol Exp Ther 187:296-9, Nov 73
- Effect of age, cryptorchidism and hypophysectomy on cyclic AMP concentration in rat testis. Hollinger MA. *J Reprod Fertil* 35:169-72, Oct 73
- Histamine and cyclic 3',5'-AMP in gastric acid secretion. Domschke W, et al.
Nature 241:454-5, 16 Feb 73
- Increase in histamine receptors on thymus-derived effector lymphocytes during the primary immune response to alloantigens. Plaut M, et al.
Nature 244:284-7, 3 Aug 73
- Effect of catecholamines, histamine and oxyfedrine on isotonic contraction and cyclic AMP in the guinea-pig heart. Kukovetz WR, et al.
Naunyn Schmiedeberg's Arch Pharmacol 278:403-24, 28 Jul 73
- Adenosine 3',5'-monophosphate metabolism in the liver in experimental hemorrhagic shock. Rutenhurg AM, et al. *Surgery* 74:860-5, Nov 73
- [Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.) (Ger)

ANTAGONISTS & INHIBITORS

- Demeclocycline-induced nephrogenic diabetes insipidus. In-vivo and in-vitro studies. Singer I, et al. *Ann Intern Med* 79:679-83, Nov 73
- Cyclic adenosine 3',5'-monophosphate concentration in rabbit parotid slices following stimulation by secretagogues. Monnard P, et al.
Eur J Pharmacol 23:306-10, Sep 73

- Some properties of the hydro-osmotic vasopressin "effector": interactions with N-ethylmaleimide. Bentley PJ. *J Endocrinol* 59:99-106, Oct 73
- How mercurial diuretics work. Greene JA 3d, et al. *Mich Med* 72:617-8 passim, Sep 73

BIOSYNTHESIS

- Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL. *Adv Pharmacol Chemother* 11:99-150, 1973 (415 ref.)
- Inhibition of cyclic AMP formation and lipolysis in rat adipose tissue by nicotinic acid. Andersson R, et al. *Atherosclerosis* 18:399-406, Nov-Dec 73
- Occurrence and biosynthesis of adenosine 3',5'-cyclic monophosphate in isolated Avena etioplasts. Wellhurn AR, et al.
Biochim Biophys Acta 320:363-71, 14 Sep 73
- Some properties of adenyl cyclase from Ehrlich tumor cells. Wikström BE, et al.
Cancer Res 33:2714-20, Nov 73
- Mechanisms of activation of cardiac glycogen phosphorylase in ischemia and anoxia. Dohson JG Jr, et al. *Circ Res* 33:412-20, Oct 73
- Effects of calcium, isuprel and inderal on the calcitonin content of rat thyroid glands. Broulik PD, et al. *Endocrinol Exp (Bratisl)* 7:183-7, Sep 73
- The production of cAMP by toad bladder, and its effects on transport of water and salt. Ferguson DR, et al. *FEBS Lett* 34:207-12, 15 Aug 73
- Hormone: receptor interactions. Biological activities of (phenylalanine, norvaline)-adrenocorticotropin-(1-24)-tetraacosapeptide and its 4,5-dehydro-4,5-dinitro-norvaline analogue in isolated rat lipocytes and adrenal cortex cells: lipolysis, corticosterone and cyclic adenosine-3',5'-monophosphate production. Lang U, et al. *Helv Chim Acta* 56:1069-72, 1973
- Unifying concepts in the response of mammalian cells to stimuli. Talwar GP.
Indian J Med Res 61:791-801, Jun 73
- Subcellular localization of (14C)adenine derivatives newly-formed in cerebral tissues and the effects of electrical excitation. Kuroda Y, et al.
J Neurochem 21:889-900, Oct 73
- Inhibition of histamine release by histamine controlled by H2 receptor. Lichtenstein LM, et al.
Nature 244:287-8, 3 Aug 73
- Increased production of cyclic AMP in gastric tissue by stimulation of histamine2 (H2)-receptors. Karppanen HO, et al.
Naunyn Schmiedeberg's Arch Pharmacol 279:83-7, 24 Aug 73
- General model for the molecular events in synapses during learning. Huttunen MO.
Perspect Biol Med 17:103-8, Autumn 73
- [Role of adenosine 3',5'-monophosphate in the regulation of cell growth in vitro (author's transl)] Grzelakowska-Sztahert B.
Postepy Biochem 19:423-45, 1973 (Pol)

BLOOD

- Impaired chronotropic response to beta-stimulation in chronic coronary artery disease. Frick MH, et al. *Am J Med* 55:571-5, Oct 73
- Adenosine 3',5'-monophosphate binds only to the inner surface of human erythrocyte membranes. Kant JA, et al. *Biochem Biophys Res Commun* 54:116-22, 5 Sep 73
- Effects of estradiol and testosterone on cyclic AMP levels in certain tissues of domestic fowl (*Gallus domesticus*). Yu JY, et al.
Comp Biochem Physiol [A] 46:215-20, 1 Sep 73
- [Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.) (Ger)

CEREBROSPINAL FLUID

- [Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.) (Ger)

CHEMICAL SYNTHESIS

- Analogues of adenosine 3',5'-cyclic phosphate. II. Synthesis and enzymatic activity of derivatives of 1,N6-ethenoadenosine 3',5'-cyclic phosphate. Jones GH, et al. *Biochem Biophys Res Commun* 53:1338-43, 21 Aug 73
- Synthesis and characterization of photoaffinity labels for adenosine 3',5'-cyclic monophosphate and adenosine 5'-monophosphate. Brunswick DJ, et al. *Biochemistry* 12:4074-8, 9 Oct 73
- Improved synthesis of 32P-labelled 3',5'-cyclic GMP and other 3',5'-cyclic ribo- and deoxyribonucleotides of high specific activity. Symons RH. *Biochim Biophys Acta* 320:535-9, 14 Sep 73
- Synthesis and biological activity of certain carbamoyl and alkoxycarbonyl derivatives of adenosine 3',5'-cyclic phosphate. Boswell KH, et al. *J Med Chem* 16:1075-9, Oct 73

ISOLATION & PURIFICATION

- Separation of cyclic 3',5'-AMP from ATP, ADP, and 5'-AMP by precipitation with inorganic compounds. Chan PS, et al. *Anal Biochem* 55:16-25, Sep 73
- Evidence for the presence of 3', 5'-cyclic AMP in plant tissues. Raymond P, et al. *Biochem Biophys Res Commun* 53:1115-21, 21 Aug 73

METABOLISM

- Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
- Interaction between catecholamines and vasopressin on renal medullary cyclic AMP of rat. Kurokawa K, et al. *Am J Physiol* 225:825-9, Oct 73
- Mucosal cyclic AMP and secretion in the dog stomach. Mao CC, et al. *Am J Physiol* 225:893-6, Oct 73
- Prostaglandins and the lung. Fanburg BL. *Am Rev Respir Dis* 108:482-9, Sep 73 (51 ref.)
- RNAs as amplifiers of specific signals in immunity. Braum W. *Ann NY Acad Sci* 207:17-28, 31 May 73
- Aberrant behavior of phosphofructokinase from otosclerotic stapedes. Biochemical evidence and the metabolic consequences. Holdsworth CE, et al. *Arch Otolaryngol* 98:191-5, Sep 73
- The presence of a hormone-sensitive cyclase system in the rat aorta and its relation to lipolysis. Gilbert CH, et al. *Atherosclerosis* 18:257-64, Sep-Oct 73
- Effect of catecholamines and ovarian hormones on cyclic AMP accumulation in rat hypothalamus. Gunaga KP, et al. *Biochem Biophys Res Commun* 54:440-8, 5 Sep 73
- pH induced increase in cyclic GMP reactivity with cyclic AMP-dependent protein kinases. Haddox MK, et al. *Biochem Biophys Res Commun* 54:1444-50, 15 Oct 73
- Development of the cardiac beta adrenergic receptor in fetal rat heart. Martin S, et al. *Biochem Biophys Res Commun* 54:949-54, 1 Oct 73
- Glycogen phosphorylase deficiency: a survey of enzymes in phosphorylase activating system. Morishita Y, et al. *Biochem Biophys Res Commun* 54:833-41, 1 Oct 73
- Adenosine 3',5'-cyclic monophosphate-binding protein from the cellular slime mould *Dictyostellium discoideum*. Malkinson AM, et al. *Biochem J* 133:601-3, Jul 73
- Effects of sodium salicylate and acetylsalicylic acid on cyclic 3',5'-AMP-dependent protein kinase. Dinnendahl V, et al. *Biochem Pharmacol* 22:2223-8, 15 Sep 73
- Effects of some isoquinoline compounds and certain derivatives on brain phosphodiesterase activity. Furlanut M, et al. *Biochem Pharmacol* 22:2642-4, 15 Oct 73
- The cyclic AMP receptor of *Escherichia coli*: immunological studies in extracts of *Escherichia coli* and other organisms. Anderson WB, et al. *Biochim Biophys Acta* 320:577-87, 5 Oct 73
- Development of cyclic AMP metabolism in rat liver. A correlative study of tissue levels of cyclic AMP, accumulation of cyclic AMP in slices, adenylate cyclase activity and cyclic nucleotide phosphodiesterase activity. Christoffersen T, et al. *Biochim Biophys Acta* 313:338-49, 28 Jul 73
- Human chorionic gonadotropin-mediated glycogenolysis in human placental villi: a role of prostaglandins. Demers LM, et al. *Biochim Biophys Acta* 313:202-10, 20 Jun 73
- Effects of antilipolytic agents and alpha-adrenergic antagonists on cyclic AMP metabolism in hamster white adipocytes. Hittelman KJ, et al. *Biochim Biophys Acta* 318:403-10, 25 Sep 73
- The effects of delta 1-tetrahydrocannabinol on cyclic AMP levels in WI-38 fibroblasts. Kelly LA, et al. *Biochim Biophys Acta* 320:540-4, 14 Sep 73
- Ionic control of renal gluconeogenesis. II. The effects of Ca²⁺ and H⁺ upon the response to parathyroid hormone and cyclic AMP. Kurokawa K, et al. *Biochim Biophys Acta* 313:32-41, 20 Jun 73
- Ionic control of renal gluconeogenesis. IV. Effect of extracellular phosphate concentration. Kurokawa K, et al. *Biochim Biophys Acta* 313:59-71, 20 Jun 73
- Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al. *Biochim Biophys Acta* 313:320-8, 28 Jul 73
- Occurrence and biosynthesis of adenosine 3',5'-cyclic monophosphate in isolated *Avena* etioplasts. Wellburn AR, et al. *Biochim Biophys Acta* 320:363-71, 14 Sep 73
- Drugs influencing plasma and brain tryptophan. Curzon G, et al. *Br J Pharmacol* 48:352P-353P, Jun 73
- High affinity uptake of cyclic AMP in rat brain slices. Johnston GA, et al. *Brain Res* 59:451-53, 14 Sep 73
- Effects of prostaglandins E1, E2 and F2a on cyclic AMP levels in brain in vivo. Wellmann W, et al. *Brain Res* 59:371-8, 14 Sep 73
- In vitro correction of antigen-induced immune suppression: effects of poly(A) poly(U) and prostaglandin E. Mozes E, et al. *Cell Immunol* 9:226-33, Nov 73
- Effects of estradiol and testosterone on cyclic AMP levels in certain tissues of domestic fowl (*Gallus domesticus*). Yu JY, et al. *Comp Biochem Physiol [A]* 46:215-20, 1 Sep 73
- Glucose-mediated insulin release: 3',5' cAMP phosphodiesterase. Bowen V, et al. *Diabetes* 22:738-43, Oct 73
- Evidence for separate sites of action for the antilipolytic effects of insulin and prostaglandin E1. Loten EG, et al. *Endocrinology* 93:1315-22, Dec 73
- Biochemical properties of normal and neoplastic cell surfaces; a review. Emmelot P. *Eur J Cancer* 9:319-33, May 73 (170 ref.)
- Effect of propranolol and theophylline on renin release caused by furosemide in the cat. Johns EJ, et al. *Eur J Pharmacol* 23:67-73, Jul 73
- Studies on the uptake and metabolism of adenosine 3',5'-cyclic monophosphate and N6,O2-dibutyryl 3',5'-cyclic adenosine monophosphate in sea urchin eggs. Nath J, et al. *Exp Cell Res* 82:73-8, Nov 73
- Induction of 3T3 cell division at the monolayer stage. Early changes in macromolecular processes. Noonan KD, et al. *Exp Cell Res* 80:405-14, Aug 73
- Effect of aldosterone on cyclic-AMP metabolism in the urinary bladder of the toad. Handler JS, et al. *Exp Eye Res* 18:235-40, 10 Aug 73
- Cyclic nucleotides and photoreception. Müller WH. *Exp Eye Res* 18:357-63, 24 Aug 73 (28 ref.)
- Cyclic-AMP in the aqueous humor: the effects of repeated topical epinephrine administration and sympathetic denervation. Neufeld AH, et al. *Exp Eye Res* 18:265-72, 10 Aug 73
- Studies on the metabolism of cyclic nucleotides by the toad bladder: the metabolic products of cAMP. Ferguson DR, et al. *FEBS Lett* 34:204-6, 15 Aug 73
- The lung in relation to vasoactive hormones. Sald SI. *Fed Proc* 32:1972-6, Sep 73 (53 ref.)
- Neuro-endocrine correlates of immune response. I. Effects of brain lesions on antibody production, Arthus reactivity and delayed hypersensitivity in the rat. Janković BD, et al. *Int Arch Allergy Appl Immunol* 45:360-72, 1973
- Increased sensitivity to theophylline associated with primary open-angle glaucoma. Zink HA, et al. *Invest Ophthalmol* 12:603-7, Aug 73
- Expression of genes for metabolism of cyclic adenosine 3',5'-monophosphate in somatic cells. I. Responses to catecholamines in parental and hybrid cells. Gilman AG, et al. *J Biol Chem* 248:6610-7, 10 Oct 73
- Expression of genes for metabolism of cyclic adenosine 3',5'-monophosphate in somatic cells. II. Effects of prostaglandin E1 and theophylline on parental and hybrid cells. Minna JD, et al. *J Biol Chem* 248:6618-25, 10 Oct 73
- Adrenergic antagonists, and a possible link between the increase in cyclic adenosine 3',5'-monophosphate

PHARMACODYNAMICS

- and DNA synthesis during liver regeneration. MacManus JP, et al. *J Cell Physiol* 82:157-64, Oct 73
- Decreased epinephrine response of adenylate cyclase activity of lymphoid cells from immunodeficient pituitary dwarf mice. Kemp RG, et al. *J Immunol* 111:1855-61, Dec 73
- Bimodal effect of insulin on hormone-stimulated lipolysis: relation to intracellular 3',5'-cyclic adenylic acid and free fatty acid levels. Desai KS, et al. *J Lipid Res* 14:647-55, Nov 73
- Adenosine 3',5'-monophosphate in guinea pig cerebral cortical slices: effects of alpha- and beta-adrenergic agents, histamine, serotonin and adenosine. Schultz J, et al. *J Neurochem* 21:573-9, Sep 73
- The effect of nicotinic acid and alloxan on the secretion of electrolytes and amylase by the isolated saline perfused pancreas of the cat. Porter GM, et al. *J Physiol (Lond)* 232:33P-34P, Jul 73
- Adenosine 3',5'-cyclic monophosphate in *Euglena gracilis*. Kelrns JJ, et al. *Life Sci* 13:287-302, 16 Aug 73
- Effect of ethanol on cyclic AMP levels in the rat brain. Volicer L, et al. *Life Sci* 13:269-80, 16 Aug 73
- Hormone receptors. Med J Aust 2:150-1, 28 Jul 73
- Divergent action mechanism of cAMP and dihydroxy cAMP on cell proliferation and macromolecular synthesis in HeLa S3 cultures. Hilz H, et al. *Mol Cell Biochem* 1:229-39, 27 Jun 73
- Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. Drezner M, et al. *N Engl J Med* 289:1056-60, 15 Nov 73
- Cyclic AMP and cyclic GMP enhance growth of chick embryo fibroblasts. Hovl T, et al. *Nature [New Biol]* 245:175-7, 10 Oct 73
- Effect of insulin and epinephrine on the carbohydrate metabolism and adenylate cyclase activity of rhesus fetal muscle. Bocek RM, et al. *Pediatr Res* 7:787-93, Oct 73
- The effect of parathyroid hormone on rabbit renal cortex adenyl cyclase during development. Linarelli LG, et al. *Pediatr Res* 7:878-82, Nov 73
- Cyclic adenosine monophosphate receptor: loss of cAMP-dependent DNA binding activity after proteolysis in the presence of cyclic adenosine monophosphate. Krakow JS, et al. *Proc Natl Acad Sci USA* 70:2529-33, Sep 73
- A mutant of 3T3 cells with cyclic AMP metabolism sensitive to temperature change. Willingham MC, et al. *Proc Natl Acad Sci USA* 70:2906-10, Oct 73
- Adenosine 3',5'-cyclic monophosphate in relation to motility and senescence of spermatozoa. Tash JS, et al. *Proc R Soc Lond [Biol]* 184:109-14, 31 Aug 73
- Morphologically "differentiated" mouse neuroblastoma cells induced by noncyclic AMP agents: levels of cyclic AMP, nucleic acid and protein. Prasad KN, et al. *Proc Soc Exp Biol Med* 143:1168-71, Sep 73
- Production of hemorrhagic necrosis in guinea pigs with anti-streptococcal antisera. Lange CF. *Res Commun Chem Pathol Pharmacol* 6:263-71, Jul 73
- Oscillation of cyclic adenosine monophosphate concentration during the myocardial contraction cycle. Brooker G. *Science* 182:933-4, 20 Nov 73
- Adenosine 3',5'-monophosphate metabolism in the liver in experimental hemorrhagic shock. Rutenburg AM, et al. *Surgery* 74:660-5, Nov 73
- Establishment of repression by bacteriophage lambda: lack of a direct regulatory effect of cyclic AMP. Jordan E, et al. *Virology* 55:521-3, Oct 73
- [Cyclic AMP and some disease processes (author's transl)] Klenarová V, et al. *Cas Lek Cesk* 112:1057-62, 31 Jul 73 (Eng. Abstr.) (Cze)
- [Adenylate cyclase activity and intracellular levels of cyclic AMP in rat exocrine pancreas] Deschodt-Lanckman M, et al. *Arch Int Physiol Biochem* 81:586, Sep 73 (Fre)
- [In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F₂alpha] Santos AA, et al. *FEBS Lett* 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)
- [The concentration of noradrenaline and cyclic AMP in the brown fat tissue of the rat during magnesium deficiency (author's transl)] Günther T, et al. *Z Klin Chem Klin Biochem* 11:233-6, Jun 73 (Ger)
- [Adenyl cyclase and cyclic AMP in the regulation of myocardial contractility. Biochemical and physiological correlations] Starclich R, et al. *Recent Prog Med (Roma)* 54:483-505, Jun 73 (Eng. Abstr.) (Ita)
- Effects of hyperosmolality on transmural sodium transport in the toad bladder. Bentley PJ, et al. *Am J Physiol* 225:818-24, Oct 73
- Ion transport in rabbit ileal mucosa. IV. Bicarbonate secretion. Dietz J, et al. *Am J Physiol* 225:858-61, Oct 73
- Ion transport in rabbit ileal mucosa. 3. Effects of catecholamines. Field M, et al. *Am J Physiol* 225:852-7, Oct 73
- Ornithine decarboxylase stimulation by 3',5'-cyclic AMP in oviduct of *Coturnix* quail. Preslock JP, et al. *Am J Physiol* 225:903-7, Oct 73
- Effects of local anesthetics on glucose-stimulated insulin secretion from rat pancreas in vitro. Camu F. *Arch Int Pharmacodyn Ther* 204:368-72, Aug 73
- Subcellular distribution of cyclic AMP-dependent protein phosphotransferases in horse thyroid gland. Sand G, et al. *Arch Int Physiol Biochem* 80:984-5, Dec 72
- Modulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase activity with cAMP and with protein fractions of rat liver cytosol. Beg ZH, et al. *Biochem Biophys Res Commun* 54:1362-9, 15 Oct 73
- Protein kinase activity in Morris hepatomas. Criss WE, et al. *Biochem Biophys Res Commun* 54:380-6, 5 Sep 73
- Increased capacity for RNA synthesis in *Dictyostelium discoideum* nuclei induced by exposure to cyclic AMP or 5'-AMP. Farrell CA, et al. *Biochem Biophys Res Commun* 54:1504-10, 15 Oct 73
- Effect of concanavalin A on cellular slime mold development: premature appearance of membrane-bound cyclic AMP phosphodiesterase. Gillette MU, et al. *Biochem Biophys Res Commun* 53:1159-66, 21 Aug 73
- Analogues of adenosine 3',5'-cyclic phosphate. II. Synthesis and enzymatic activity of derivatives of 1,N6-ethenoadenosine 3',5'-cyclic phosphate. Jones GH, et al. *Biochem Biophys Res Commun* 53:1338-43, 21 Aug 73
- Role of 3',5'-cyclic AMP in the control of nuclear protein kinase activity. Rikans LE, et al. *Biochem Biophys Res Commun* 54:387-94, 5 Sep 73
- Adenosine 3', 5'-monophosphate-dependent protein kinase in adipose tissue: inhibition by tolbutamide. Wray HL, et al. *Biochem Biophys Res Commun* 53:291-4, 2 Jul 73
- The mechanism of inhibition of rat liver tryptophan pyrrolase activity by 4-hydroxypyrazolo(3,4-d)pyrimidine (Allopurinol). Badawy AA, et al. *Biochem J* 133:585-91, Jul 73
- The glucose effect in rat liver: studies of delta-aminolevullinate synthase and tyrosine aminotransferase. Bonkowsky HL, et al. *Biochim Biophys Acta* 320:561-75, 5 Oct 73
- Studies on the relationship between adenylate cyclase activity and calcium transport by cardiac sarcotubular membranes. Dhalla NS, et al. *Biochim Biophys Acta* 323:276-84, 11 Oct 73
- Acetyl-CoA and propionyl-CoA carboxylation by *Mycobacterium phlei*. Partial purification and some properties of the enzyme. Erfle JD. *Biochim Biophys Acta* 316:143-55, 23 Aug 73
- Ionic control of renal gluconeogenesis. II. The effects of Ca²⁺ and H⁺ upon the response to parathyroid hormone and cyclic AMP. Kurokawa K, et al. *Biochim Biophys Acta* 313:32-41, 20 Jun 73
- Ionic control of renal gluconeogenesis. IV. Effect of extracellular phosphate concentration. Kurokawa K, et al. *Biochim Biophys Acta* 313:59-71, 20 Jun 73
- Regulation of RNA synthesis in *Escherichia coli*. I. Characterization of cells subjected to simultaneous temperature and osmotic shock. Raué HA, et al. *Biochim Biophys Acta* 312:722-36, 27 Jul 73
- Stimulation of purified muscle protein kinase by cyclic AMP and its butyrate derivatives. Rehman LI, et al. *Biochim Biophys Acta* 321:165-70, 15 Sep 1973
- Renal mechanisms underlying cyclic AMP action on erythropoiesis. Peschle C, et al. *Br J Haematol* 25:393-8, Sep 73
- Evidence for a non-adrenergic inhibitory nervous pathway in guinea-pig trachea. Coleman RA, et al. *Br J Pharmacol* 48:360P-361P, Jun 73
- High affinity uptake of cyclic AMP in rat brain slices. Johnston GA, et al. *Brain Res* 59:451-53, 14 Sep 73
- Insulin reversal of growth inhibition of plasma cell tumor by prostaglandin or adenosine 3',5'-monophosphate. Naseem SM, et al. *Cancer Res* 33:2909-12, Nov 73

- Effects of the antineoplastic alkaloid acronycine on the ultrastructure and growth patterns of cultured cells. Tan P, et al. *Cancer Res* 33:2320-9, Oct 73
- Glucose-mediated insulin release: 3',5' cAMP phosphodiesterase. Bowen V, et al. *Diabetes* 22:738-43, Oct 73
- ACTH and cAMP stimulation of adrenal ribosomal protein phosphorylation. Roos BA. *Endocrinology* 93:1287-93, Dec 73
- The effects of theophylline and cyclic AMP on intestinal smooth muscle contractions. Pfaffman MA, et al. *Eur J Pharmacol* 23:147-52, Aug 73
- Effects of N6-monohydroxy-cyclic AMP on glutamate decarboxylase activity in fetal rat brain cells and glial tumor cells in culture. Schrier BK, et al. *Exp Cell Res* 80:459-62, Aug 73
- Cyclic nucleotides and photoreception. Miller WH. *Exp Eye Res* 16:357-63, 24 Aug 73 (28 ref.)
- On the properties of a membrane-associated protein kinase from Chinese hamster ovary cells. Bacalao J, et al. *FEBS Lett* 37:37-41, 15 Nov 73
- The chemotactic effect of cyclic nucleotides with substitutions in the base ring. Konijn TM. *FEBS Lett* 34:263-6, 15 Aug 73
- Histone phosphorylation in the regenerating rat liver independent of diurnal rhythmicity. Letnansky K. *FEBS Lett* 32:270-2, 1 Jun 73
- Formation of guanosine tetraphosphate (magic spot I) in homologous and heterologous systems. Richter D. *FEBS Lett* 34:291-4, 15 Aug 73
- Effects of cyclic AMP and theophylline on mitogen-induced RNA synthesis in human peripheral blood lymphocytes. Webb DR, et al. *Immunol Commun* 2:353-60, 1973
- Suppression of growth of L cells in suspension culture by dihydroxyadenosine 3',5'-monophosphate. Oler A, et al. *In Vitro* 9:35-8, Jul-Aug 73
- Unifying concepts in the response of mammalian cells to stimuli. Talwar GP. *Indian J Med Res* 61:791-801, Jun 73
- On the mechanism of radioprotection by cysteamine. II. The significance of cyclic 3',5'-AMP for the cysteamine-induced radioprotective effects in white mice. Mitznegg P. *Int J Radiat Biol* 24:339-44, Oct 73
- Adenosine cyclic 3',5'-monophosphate-mediated transport of neutral and basic amino acids in jejunal mucosa. Kinzie JL, et al. *J Biol Chem* 248:7018-24, 25 Oct 73
- Regulation of endogenous phosphorylation of specific proteins in synaptic membrane fractions from rat brain by adenosine 3',5'-monophosphate. Ueda T, et al. *J Biol Chem* 248:8295-305, 10 Dec 73
- Gluconeogenesis in isolated hepatic parenchymal cells. Veneziale CM, et al. *J Biol Chem* 248:7786-91, 25 Nov 73
- Alkaline phosphatase. Possible induction by cyclic AMP after cholera enterotoxin administration. Baker A, et al. *J Clin Invest* 52:2928-34, Nov 73
- Steroid metabolism by adult rat adrenocortical cells in monolayer culture. O'Hare MJ, et al. *J Endocrinol* 58:447-62, Sep 73
- A sequence of biochemical events in the antigen-induced release of chemical mediators from sensitized human lung tissue. Kallner M, et al. *J Exp Med* 138:1077-94, 1 Nov 73
- Differentiation of T cells induced by preparations from thymus and by nonthymic agents. Scheld MP, et al. *J Exp Med* 138:1027-32, 1 Oct 73
- Studies on membrane-bound receptors for antigen. Preparation of populations of receptor-depleted lymphocytes. Stout RD, et al. *J Exp Med* 138:875-86, 1 Oct 73
- Cell-associated nonesterified fatty acid levels and their alteration during lipolysis in the isolated mouse adipose cell. Cushman SW, et al. *J Lipid Res* 14:632-42, Nov 73
- Fatty acid oxidation and esterification in isolated rat hepatocytes: regulation by dihydroxyadenosine 3',5'-cyclic monophosphate. Homcy CJ, et al. *J Lipid Res* 14:678-87, Nov 73
- Synthesis and biological activity of certain carbamoyl and alkoxy-carbonyl derivatives of adenosine 3',5'-cyclic phosphate. Boswell KH, et al. *J Med Chem* 16:1075-9, Oct 73
- Histamine-dependent formation of N-acetyl-aspartyl peptides in mouse brain. Reichelt KL, et al. *J Neurochem* 21:849-59, Oct 73
- Adenosine 3',5' cyclic monophosphate in *Euglena gracilis*. Keirns JJ, et al. *Life Sci* 13:287-302, 16 Aug 73
- RNA-directed cell-free synthesis of the galactose enzymes of *Escherichia coli*. Schumacher G, et al. *Mol Gen Genet* 124:329-44, 28 Aug 73
- Divergent action mechanism of cAMP and dihydroxy cAMP on cell proliferation and macromolecular synthesis in HeLa S3 cultures. Hilz H, et al. *Mol Cell Biochem* 1:229-39, 27 Jun 73
- Influence of cyclic AMP on early events of the immune induction. Bosing-Schnelder R, et al. *Nature* 244:224-5, 27 Jul 73
- Influence of cell-free ascites fluid and adenosine 3',5'-cyclic monophosphate upon the cell kinetics of Ehrlich's ascites carcinoma. Cooper PR, et al. *Nature* 241:457-8, 16 Feb 73
- Cyclic AMP and cyclic GMP enhance growth of chick embryo fibroblasts. Hovi T, et al. *Nature [New Biol]* 245:175-7, 10 Oct 73
- Neutral protease release from human leukocytes regulated by neurohormones and cyclic nucleotides. Ignarro LJ. *Nature [New Biol]* 245:151-4, 3 Oct 73
- Adrenaline-like effects of intracellular iontophoresis of cyclic AMP in cardiac Purkinje fibres. Tsien RW. *Nature [New Biol]* 245:120-2, 26 Sep 73
- Effect of cyclic AMP on growth and morphological differentiation of an established myogenic cell line. Wahrman JP, et al. *Nature [New Biol]* 245:112-3, 26 Sep 73
- Mechanisms of lysosomal enzyme release from human leukocytes: microtubule assembly and membrane fusion induced by a component of complement. Goldstein I, et al. *Proc Natl Acad Sci USA* 70:2916-20, Oct 73
- Cyclic adenosine monophosphate receptor: loss of cAMP-dependent DNA binding activity after proteolysis in the presence of cyclic adenosine monophosphate. Krakow JS, et al. *Proc Natl Acad Sci USA* 70:2529-33, Sep 73
- A mutant of 3T3 cells with cyclic AMP metabolism sensitive to temperature change. Willingham MC, et al. *Proc Natl Acad Sci USA* 70:2906-10, Oct 73
- Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dihydroxy cAMP on pituitary-thyroid and adrenocortical systems in mother and neonate. D'Angelo SA, et al. *Proc Soc Exp Biol Med* 143:941-7, Sep 73
- The selective inhibition of secondary IgE antibody response in mice by dihydroxyadenosine 3',5'-cyclic monophosphate and theophylline. Perper RJ, et al. *Proc Soc Exp Biol Med* 143:1191-6, Sep 73
- Adrenergic supersensitivity during ethanol withdrawal in the rat. French SW, et al. *Res Commun Chem Pathol Pharmacol* 6:651-62, Sep 73
- Preliminary characterization of an inhibitor of drug metabolism released in response to cyclic adenosine nucleotides. Welner M. *Res Commun Chem Pathol Pharmacol* 6:551-64, Sep 73
- Hormonal regulation of cyclic AMP. Murad F, et al. *Semin Drug Treat* 3:189-202, Autumn 73
- Enhancement of the dye-exclusion cytotoxic test by insulin and inhibition by cyclic adenosine 3',5'-monophosphate and theophylline. Ebhesen P, et al. *Transplantation* 16:476-8, Nov 73
- Effects of dihydroxy-cAMP on adenovirus replication in different cell lines. Biron KK, et al. *Virology* 56:383-5, Nov 73
- Establishment of repression by bacteriophage lambda: lack of a direct regulatory effect of cyclic AMP. Jordan E, et al. *Virology* 55:521-3, Oct 73
- [Protein phosphotransferase activity in rat pancreas] Van Leemput-Coutrez M, et al. *Arch Int Physiol Biochim* 81:600, Sep 73 (Fre)
- [Investigations on the role of cyclic 3',5'-AMP and active sodium transport in generation of action potential in vivo (author's transl)] Wigiuz Z. *Acta Biol Med (Gdansk)* 17:7-62, 1973 (Eng. Abstr.) (Pol)
- [Effect of 3',5'-cyclic AMP on NAD-kinase activity in retinal outer segments] Zhuchikhina AA, et al. *Dokl Akad Nauk SSSR* 212:996-9, 1 Oct 73 (Rus)

PHYSIOLOGY

- Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL. *Adv Pharmacol Chemother* 11:99-150, 1973 (415 ref.)
- Phosphorylation, calcium, and cyclic AMP in smooth-muscle contraction. Diamond J. *Am J Physiol* 225:930-7, Oct 73
- Subcellular distribution of cyclic AMP-dependent protein phosphotransferases in horse thyroid gland.

- Sand G, et al.
Arch Int Physiol Biochim 80:984-5, Dec 72
- Cyclic nucleotides and photoreception. Miller WH.
Exp Eye Res 16:357-63, 24 Aug 73 (28 ref.)
- On the mechanism of radioprotection by cysteamine. II.
The significance of cyclic 3',5'-AMP for the
cysteamine-induced radioprotective effects in white
mice. Mitznegg P. Int J Radiat Biol 24:339-44, Oct 73
- Alkaline phosphatase. Possible induction by cyclic
AMP after cholera enterotoxin administration. Baker
A, et al. J Clin Invest 52:2928-34, Nov 73
- Pseudohypoparathyroidism type II: a possible defect in
the reception of the cyclic AMP signal. Drezner M, et
al. N Engl J Med 289:1056-60, 15 Nov 73
- Role of cyclic AMP in the control of epidermal cell
growth and differentiation. Voorhees JJ, et al.
Nat Cancer Inst Monogr 38:47-59, Jul 73 (138 ref.)
- Influence of cyclic AMP on early events of the immune
induction. Bosling-Schneider R, et al.
Nature 244:224-5, 27 Jul 73
- General model for the molecular events in synapses
during learning. Huttunen MO.
Perspect Biol Med 17:103-8, Autumn 73
- The molecular and ionic basis of altered myocardial
contractility. Kones KJ.
Res Commun Chem Pathol Pharmacol 5:1-84, Jan 73
(796 ref.)
- Oscillation of cyclic adenosine monophosphate
concentration during the myocardial contraction
cycle. Brooker G. Science 182:933-4, 20 Nov 73
- Hormonal regulation of cyclic AMP. Murad F, et al.
Semin Drug Treat 3:189-202, Autumn 73
- [Interaction among prostaglandins, nerves and
hormones] Chl JY.
Chin Med J 9:558-62, 1973 (27 ref.) (Chi)
- [Biosynthesis of proinsulin and insulin] Tanese T.
Jap J Clin Med 31:2173-9, Jul 73 (20 ref.) (Jap)
- [Conduction of insulin action: the receptor and
transmitter] Tarui S, et al.
Jap J Clin Med 31:2205-12, Jul 73 (40 ref.) (Jap)
- [Cyclic nucleotide-dependent protein kinases--the
enzymological aspects and roles in the biological
system (author's transl)] Miyamoto E.
Protein Nucleic Acid Enzyme (Tokyo) 18:321-32, May
73 (130 ref.) (Jap)
- [Protein kinase and cyclic AMP (author's transl)]
Nishiyama K.
Protein Nucleic Acid Enzyme (Tokyo) 18:480-7, Jun 73
(35 ref.) (Jap)
- [Investigations on the role of cyclic 3',5'-AMP and
active sodium transport in generation of action
potential in vivo (author's transl)] Wiglus Z.
Acta Biol Med (Gdansk) 17:7-62, 1973 (Eng. Abstr.)
(Pol)
- [Role of adenosine 3',5'-monophosphate in the
regulation of cell growth in vitro (author's transl)]
Grzelakowska-Sztabert B.
Postepy Biochem 19:423-45, 1973 (Pol)
- [Cyclic nucleotides in cellular activity] Dinu V, et al.
Fiziol Norm Patol 19:461-71, Sep-Oct 73 (Eng. Abstr.)
(Rum)
- [Adenosine cyclic monophosphate (cyl AMP) and
enzymatic secretion of the pancreas] Guelrud M, et al.
GEN 27:125-33, Oct-Dec 72 (Eng. Abstr.) (Spa)

URINE

- The excretion of adenosine 3',5'-cyclic monophosphate
by children with burns. Barlow GB, et al.
Clin Chim Acta 46:197-9, 28 Jun 73
- Selective inhibition of human distal tubular function by
demeclocycline. Wilson DM, et al.
Curr Ther Res 15:737-40, Oct 73
- Circadian rhythm in the urinary excretion of cyclic
3',5'-adenosine monophosphate in man. Sagel J, et al.
J Clin Endocrinol Metab 37:570-3, Oct 73
- Urinary cyclic 3',5'-adenosine monophosphate levels in
diabetes mellitus before and after treatment. Tucci
JR, et al. J Clin Endocrinol Metab 37:832-5, Nov 73
- Letter: Variation of cyclic-A.M.P. excretion with urine
volume. Owen P, et al. Lancet 2:1205, 24 Nov 73
- Pseudohypoparathyroidism type II: a possible defect in
the reception of the cyclic AMP signal. Drezner M, et
al. N Engl J Med 289:1056-60, 15 Nov 73
- The effect of parathyroid hormone on rabbit renal
cortex adenylyl cyclase during development. Linarelli
LG, et al. Pediatr Res 7:878-82, Nov 73
- [Extracellular cyclic nucleotides: occurrence, analysis
and diagnostic significance (author's transl)] Gerblitz
KD, et al.

Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.)
(Ger)

GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE

- Cyclic nucleotide-dependent protein kinases of the rat
pancreas. Van Leemput-Coutrez M, et al.
Biochem Biophys Res Commun 54:182-90, 5 Sep 73
- Adenosine 3':5'-cyclic monophosphate-binding protein
from the cellular slime mould Dictyostellum
discoideum. Malkinson AM, et al.
Biochem J 133:601-3, Jul 73
- Phosphorylation of muscle membranes: identification
of a membrane-bound protein kinase. Andrew CG, et
al. Science 182:927-9, 20 Nov 73
- [Cyclic nucleotide phosphodiesterases in rat pancreas]
Robberecht P, et al.
Arch Int Physiol Biochim 81:593, Sep 73 (Fre)

ANALYSIS

- Conformational studies on guanosine nucleotides and
polynucleotides. The effect of the base on the glycosyl
and backbone conformations. Yathindra N, et al.
Biopolymers 12:2075-82, 1973
- [Extracellular cyclic nucleotides: occurrence, analysis
and diagnostic significance (author's transl)] Gerblitz
KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.)
(Ger)

BIOSYNTHESIS

- Cyclic GMP and cell movement. Estensen RD, et al.
Nature 245:458-60, 28 Oct 73
- Control of guanylate cyclase activity in the rod outer
segment. Pannhacker RG.
Science 182:1138-40, 14 Dec 73

BLOOD

- [Extracellular cyclic nucleotides: occurrence, analysis
and diagnostic significance (author's transl)] Gerblitz
KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.)
(Ger)

CEREBROSPINAL FLUID

- [Extracellular cyclic nucleotides: occurrence, analysis
and diagnostic significance (author's transl)] Gerblitz
KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.)
(Ger)

CHEMICAL SYNTHESIS

- Improved synthesis of 32P-labelled 3',5'-cyclic GMP and
other 3',5'-cyclic ribo- and deoxyribo-nucleotides of
high specific activity. Symons RH.
Biochim Biophys Acta 320:535-9, 14 Sep 73

METABOLISM

- pH induced increase in cyclic GMP reactivity with
cyclic AMP-dependent protein kinases. Haddox MK,
et al.
Biochem Biophys Res Commun 54:1444-50, 15 Oct 73
- Cyclic AMP and cyclic GMP enhance growth of chick
embryo fibroblasts. Hovi T, et al.
Nature [New Biol] 245:175-7, 10 Oct 73

PHARMACODYNAMICS

- The chemotactic effect of cyclic nucleotides with
substitutions in the base ring. Konijn TM.
FEBS Lett 34:263-6, 15 Aug 73
- Interaction of various stimulators and inhibitors on
insulin secretion in vitro. Voyles N, et al.
Horm Res 4:65-73, 1973
- Adenosine cyclic 3':5'-monophosphate-mediated
transport of neutral and dibasic amino acids in jejunal
mucosa. Kinzie JL, et al.
J Biol Chem 248:7018-24, 25 Oct 73
- Cyclic AMP and cyclic GMP enhance growth of chick
embryo fibroblasts. Hovi T, et al.
Nature [New Biol] 245:175-7, 10 Oct 73
- Neutral protease release from human leukocytes

- regulated by neurohormones and cyclic nucleotides.
Ignarro LJ. *Nature [New Biol]* 245:151-4, 3 Oct 73
Mechanisms of lysosomal enzyme release from human
leukocytes: microtubule assembly and membrane
fusion induced by a component of complement.
Goldstein I, et al.
Proc Natl Acad Sci USA 70:2916-20, Oct 73
[Protein phosphotransferase activity in rat pancreas]
Van Leemput-Coutrez M, et al.
Arch Int Physiol Biochim 81:600, Sep 73 (Fre)

PHYSIOLOGY

- Cyclic GMP and cell movement. Estensen RD, et al.
Nature 245:458-60, 26 Oct 73
[Cyclic nucleotide-dependent protein kinases--the
enzymological aspects and roles in the biological
system (author's transl)] Miyamoto E.
Protein Nucleic Acid Enzyme (Tokyo) 18:321-32, May
73 (130 ref.) (Jap)

URINE

- [Extracellular cyclic nucleotides: occurrence, analysis
and diagnostic significance (author's transl)] Gerblitz
KD, et al.
Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.)
(Ger)

APPENDIX

ADENYL CYCLASE

ANALYSIS

RNAs as amplifiers of specific signals in immunity. Braum W. *Ann NY Acad Sci* 207:17-28, 31 May 73
 A comparison of the subcellular distribution of 5'-nucleotidase, (Na⁺-K⁺)-ATPase and adenylyl cyclase in beef thyroid gland. Matsuzaki S, et al. *Biochim Biophys Acta* 313:329-37, 28 Jul 73
 Intrinsic stimulatory action of follicle-stimulating hormone on ovarian adenylyl cyclase. Koch Y, et al. *J Endocrinol* 58:677-8, Sep 73
 Mechanism of oestradiol action on the rat uterus: independence of cyclic AMP, prostaglandin E2 and beta-adrenergic mediation. Zor U, et al. *J Endocrinol* 58:525-33, Sep 73
 Adenosine 3',5'-monophosphate metabolism in the liver in experimental hemorrhagic shock. Rutenburg AM, et al. *Surgery* 74:660-5, Nov 73

ANTAGONISTS & INHIBITORS

Beta-adrenoceptor blocking agents. 1. Cardiosensitive 1-aryloxy-3-(aryloxyalkylamino)propan-2-ols. Augstein J, et al. *J Med Chem* 16:1245-51, Nov 73

BIOSYNTHESIS

Properties of two growth-stimulating proteins isolated from fetal calf serum. Hoffmann R, et al. *Exp Cell Res* 80:275-80, Aug 73
 Genetic characterization of mutations which affect catabolite-sensitive operons in *Escherichia coli*, including deletions of the gene for adenylyl cyclase. Brickman E, et al. *J Bacteriol* 116:582-7, Nov 73
 [Effects of guanylnucleotide on adenylyl cyclase activity of human thyroid gland] Sato S, et al. *Folia Endocrinol Jap* 49:1207-14, 20 Sep 73 (Eng. Abstr.) (Jap)

BLOOD

Adenylyl cyclase activities in rat erythrocytes during stress erythropoiesis: localization of the enzyme in the reticulocytes. Gauger D, et al. *Life Sci* 13:31-40, 1 Jul 73

ISOLATION & PURIFICATION

Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylyl cyclase and adenosine triphosphatase in pharmacologic regulation. Coffey RG, et al. *Int Arch Allergy Appl Immunol* 45:593-611, 1973

METABOLISM

The presence of a hormone-sensitive cyclase system in the rat aorta and its relation to lipolysis. Gilbert CH, et al. *Atherosclerosis* 18:257-64, Sep-Oct 73
 Glucagon structure and function. II. Increased activity of iodoglucagon. Bromer WW, et al. *Biochem Biophys Res Commun* 53:134-9, 2 Jul 73
 Vasoactive intestinal polypeptide and glucagon: stimulation of adenylyl cyclase activity via distinct receptors in liver and fat cell membranes. Desbuquois B, et al. *Biochem Biophys Res Commun* 53:1187-94, 21 Aug 73
 Development of the cardiac beta adrenergic receptor in

fetal rat heart. Martin S, et al. *Biochem Biophys Res Commun* 54:949-54, 1 Oct 73
 The adenylyl cyclase system and carcinogenesis: decreased responsiveness of mouse epidermis to isoproterenol after 3,4-benzpyrene treatment. Murray AW, et al. *Biochem Biophys Res Commun* 54:69-75, 5 Sep 73
 Activation of solubilized liver membrane adenylyl cyclase by nucleotides. Swislocki NI, et al. *Biochem Biophys Res Commun* 53:1109-14, 21 Aug 73
 Epinephrine- and prostaglandin-sensitive adenylyl cyclase in mammary gland. Bär HP. *Biochim Biophys Acta* 321:397-406, 15 Sep 1973
 Hormone-sensitive adenylyl cyclases. Useful models for studying hormone receptor functions in cell-free systems. Birnbaumer L. *Biochim Biophys Acta* 300:129-58, 10 Sep 73 (73 ref.)
 Development of cyclic AMP metabolism in rat liver. A correlative study of tissue levels of cyclic AMP, accumulation of cyclic AMP in slices, adenylyl cyclase activity and cyclic nucleotide phosphodiesterase activity. Christoffersen T, et al. *Biochim Biophys Acta* 313:338-49, 28 Jul 73
 Studies on the relationship between adenylyl cyclase activity and calcium transport by cardiac sarcolemmal membranes. Dballa NS, et al. *Biochim Biophys Acta* 323:276-84, 11 Oct 73
 Adenylyl cyclase activity in isolated rat islets of Langerhans. Effects of agents which alter rates of insulin secretion. Howell SL, et al. *Biochim Biophys Acta* 320:44-52, 17 Aug 73
 Gonadotropin receptors in the plasma membranes of rat luteal cells. Rao CV, et al. *Biochim Biophys Acta* 313:372-89, 28 Jul 73
 Some properties of adenylyl cyclase from Ehrlich tumor cells. Wikström BE, et al. *Cancer Res* 33:2714-20, Nov 73
 Bovine parathyroid hormone: minimum chain length of synthetic peptide required for biological activity. Tregear GW, et al. *Endocrinology* 93:1349-53, Dec 73
 Cyclic nucleotides and photoreception. Miller WH. *Exp Eye Res* 16:357-63, 24 Aug 73 (28 ref.)
 Cyclic-AMP in the aqueous humor: the effects of repeated topical epinephrine administration and sympathetic denervation. Neufeld AH, et al. *Exp Eye Res* 16:265-72, 10 Aug 73
 Unifying concepts in the response of mammalian cells to stimuli. Talwar GP. *Indian J Med Res* 61:791-801, Jun 73
 Alkaline phosphatase. Possible induction by cyclic AMP after cholera enterotoxin administration. Baker A, et al. *J Clin Invest* 52:2928-34, Nov 73
 Decreased epinephrine response of adenylyl cyclase activity of lymphoid cells from immunodeficient pituitary dwarf mice. Kemp RG, et al. *J Immunol* 111:1855-61, Dec 73
 Effect of morphine administration on adenylyl cyclase and 3',5'-cyclic nucleotide phosphodiesterase activities in the brain. Nalio K, et al. *Jap J Pharmacol* 23:274-6, Apr 73
 Adenylyl cyclase activities in rat erythrocytes during stress erythropoiesis: localization of the enzyme in the reticulocytes. Gauger D, et al. *Life Sci* 13:31-40, 1 Jul 73
 Adenosine 3',5'-cyclic monophosphate in *Euglena gracilis*. Keirns JJ, et al. *Life Sci* 13:287-302, 16 Aug 73
 Solubilized myocardial adenylyl cyclase: activation by prostaglandins. Levey GS, et al. *Life Sci* 13:41-6, 1 Jul 73
 Hormone receptors. *Med J Aust* 2:150-1, 28 Jul 73

ADENYL CYCLASE

- Role of cyclic AMP in the control of epidermal cell growth and differentiation. Voorbees JJ, et al. *Natl Cancer Inst Monogr* 38:47-59, Jul 73 (138 ref.)
- Role of inositol cyclic phosphate in stimulated tissues. Freinkel N, et al. *Nature* 243:535-7, 29 Jun 73
- Effect of insulin and epinephrine on the carbohydrate metabolism and adenylate cyclase activity of rhesus fetal muscle. Bocek RM, et al. *Pediatr Res* 7:787-93, Oct 73
- The effect of parathyroid hormone on rabbit renal cortex adenyl cyclase during development. Linarelli LG, et al. *Pediatr Res* 7:878-82, Nov 73
- The metabolism of subcutaneous adipose tissue in the immediate postnatal period of human neonates. 3. Role of fetal glycogen in lipolysis and fatty acid esterification in the first hours of life. Novak M, et al. *Pediatr Res* 7:769-77, Sep 73
- Stimulation of steroid secretion in adrenal tumor cells by cholera toxin. Wolff J, et al. *Proc Natl Acad Sci USA* 70:2741-4, Oct 73
- Effects of D- and DL-propranolol on myocardial adenyl cyclase activity. Rabinowitz B, et al. *Proc Soc Exp Biol Med* 143:1072-6, Sep 73
- Microtubules and beta cell secretion. Lacy PE, et al. *Recent Prog Horm Res* 29:199-228, 1973 (95 ref.)
- The role of phospholipids in hormone activation of adenylate cyclase. Levey GS. *Recent Prog Horm Res* 29:361-86, 1973 (50 ref.)
- The molecular and ionic basis of altered myocardial contractility. Kones KJ. *Res Commun Chem Pathol Pharmacol* 5:1-84, Jan 73 (796 ref.)
- Hormonal regulation of cyclic AMP. Murad F, et al. *Semin Drug Treat* 3:189-202, Autumn 73
- Adenosine 3',5'-monophosphate metabolism in the liver in experimental hemorrhagic shock. Rutenburg AM, et al. *Surgery* 74:660-5, Nov 73
- [Adenylate cyclase activity and intracellular levels of cyclic AMP in rat exocrine pancreas] Deschodt-Lanckman M, et al. *Arch Int Physiol Biochim* 81:586, Sep 73 (Fre)
- [Antitipolytic role of tetracycline. Inhibition of adenylate cyclase in vitro] Counis R, et al. *Eur J Biochem* 37:244-7, 17 Aug 73 (Eng. Abstr.) (Fre)
- [Adenyl cyclase and cyclic AMP in the regulation of myocardial contractility. Biochemical and physiological correlations] Starcich R, et al. *Recent Prog Med (Roma)* 54:483-505, Jun 73 (Eng. Abstr.) (Ita)
- [Role of adenosine 3',5'-monophosphate in the regulation of cell growth in vitro (author's transl)] Grzelakowska-Sztubert B. *Postepy Biochem* 19:423-45, 1973 (Pol)

GUANYL CYCLASE

METABOLISM

- Control of guanylate cyclase activity in the rod outer segment. Pannbacker RG. *Science* 182:1138-40, 14 Dec 73

HORMONES, ECTOPIC

- Cytodiagnosis of HCG-secreting choriocarcinoma of the stomach. Report of a case. Uel Y, et al. *Acta Cytol (Baltimore)* 17:431-4, Sep-Oct 73
- Letter: Ectopic production of calcitonin. Keynes M, et al. *Lancet* 2:1090, 10 Nov 73
- Calcitonin- and ACTH-producing cells in a case of medullary carcinoma of the thyroid. Immunofluorescence investigations. Bussolati G, et al. *Virchows Arch [Pathol Anat]* 360:123-7, 9 Aug 73

BIOSYNTHESIS

- Ectopic production of the isolated beta subunit of human chorionic gonadotropin. Weintraub BD, et al. *J Clin Invest* 52:335-42, Dec 73

BLOOD

- Circulating corticotrophin levels in severe hypopituitarism and in the neonate. Holdaway IM, et al. *Lancet* 2:1170-1, 24 Nov 73
- Editorial: The gastrointestinal hormones. *Lancet* 2:1180-2, 24 Nov 73

APPENDIX

PHYSIOLOGY

- [Paraneoplastic syndromes] Studer H. *Schweiz Med Wochenschr* 103:1429-31, 13 Oct 73 (Eng. Abstr.) (Ger)

SECRETION

- Insulin and ACTH production by a streptozotocin responsive islet cell carcinoma. Walter RM, et al. *Am J Med* 55:667-70, Nov 73
- Letter: Ectopic production of calcitonin. Hansen HH, et al. *Lancet* 2:915, 20 Oct 73
- Letter: Testosterone-secreting adrenal tumors. Burr IM. *N Engl J Med* 289:1373-4, 20 Dec 73

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

- Mediastinal teratoma with endocrine function. Honicky RE, et al. *Am J Dis Child* 126:650-3, Nov 73
- Endocrine studies in an arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. Tucci JR, et al. *Am J Med* 55:687-94, Nov 73
- Insulin and ACTH production by a streptozotocin responsive islet cell carcinoma. Walter RM, et al. *Am J Med* 55:667-70, Nov 73
- Cushing's syndrome caused by recurrent malignant bronchial carcinoma. Case report with 12 years' observation. Isawa T, et al. *Am Rev Respir Dis* 108:1200-4, Nov 73
- Current surgical management of functioning islet cell tumors of the pancreas. Harrison TS, et al. *Ann Surg* 178:485-95, Oct 73
- [Paraneoplastic endocrine syndrome after a voluminous malignant retroperitoneal nonchromaffin paraganglioma] Dell'Acqua GB, et al. *Cah Med* 14:251-61, Apr 73 (Fre)

BLOOD

- Editorial: The gastrointestinal hormones. *Lancet* 2:1180-2, 24 Nov 73

COMPLICATIONS

- [Paraneoplastic endocrine syndrome with a retroperitoneal paraganglioma] Dell'Acqua GB, et al. *Munch Med Wochenschr* 115:1171-4, 22 Jun 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

- Cytodiagnosis of HCG-secreting choriocarcinoma of the stomach. Report of a case. Uel Y, et al. *Acta Cytol (Baltimore)* 17:431-4, Sep-Oct 73
- [Symptoms and treatment of para-neoplastic endocrine diseases] Ralith L. *Munch Med Wochenschr* 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)

METABOLISM

- [Symptoms and treatment of para-neoplastic endocrine diseases] Ralith L. *Munch Med Wochenschr* 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)

PATHOLOGY

- Cytodiagnosis of HCG-secreting choriocarcinoma of the stomach. Report of a case. Uel Y, et al. *Acta Cytol (Baltimore)* 17:431-4, Sep-Oct 73
- Ultimobranthial thyroid neoplasms in bulls. A syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. *Cancer* 32:865-78, Oct 73

THERAPY

- [Symptoms and treatment of para-neoplastic endocrine diseases] Ralith L. *Munch Med Wochenschr* 115:892-8, 11 May 73 (Eng. Abstr.) (Ger)

VETERINARY

- Ultimobranthial thyroid neoplasms in bulls. A

APPENDIX

PROSTAGLANDINS

syndrome resembling medullary thyroid carcinoma in man. Black HE, et al. *Cancer* 32:865-78, Oct 73

NERVE GROWTH FACTOR

ANALYSIS

The submaxillary salivary glands as test organs for response to androgen in mice with testicular feminization. Lyon MF, et al. *J Endocrinol* 58:357-62, Sep 73

BLOOD

Reduction in the concentration of nerve growth factor in mice after stalectomy and castration. Hendry IA, et al. *Nature* 243:550-4, 29 Jun 73

METABOLISM

Reduction in the concentration of nerve growth factor in mice after stalectomy and castration. Hendry IA, et al. *Nature* 243:550-4, 29 Jun 73

In vitro uptake of active nerve growth factor by dorsal root ganglia of embryonic chick. Burnham P, et al. *Neurobiology* 3:232-45, 1973

Binding of nerve growth factor receptor in sympathetic ganglia. Banerjee SP, et al.

Proc Natl Acad Sci USA 70:2519-23, Sep 73

Interaction of nerve growth factor with surface membranes: biological competence of insolubilized nerve growth factor. Frazier WA, et al.

Proc Natl Acad Sci USA 70:2931-5, Oct 73

PHARMACODYNAMICS

Stimulation of growth of new axonal sprouts from lesioned monoamine neurones in adult rat brain by nerve growth factor. Bjerre B, et al.

Brain Res 60:161-76, 28 Sep 73

Effects of nerve growth factor on competent chick ectoderm. Bjerre B, et al.

Experientia 29:1018-9, 15 Aug 73

Differentiation of neuroblastoma cells induced by nerve growth factor in vitro. Waris T, et al.

Experientia 29:1128-9, 15 Sep 73

Dopaminergic neurones in explants of substantia nigra in culture. Coyle JT, et al. *J Neurobiol* 4:461-70, 1973

Neurite development in vitro. II. The role of microfilaments and microtubules in dibutyladenosine 3',5'-cyclic monophosphate and nerve growth factor stimulated maturation. Rolsen FJ, et al.

J Neurobiol 4:397-412, 1973

Interaction of nerve growth factor with surface membranes: biological competence of insolubilized nerve growth factor. Frazier WA, et al.

Proc Natl Acad Sci USA 70:2931-5, Oct 73

PHYSIOLOGY

[Experimental data on plasma renin activity in rats treated with nerve-growth hormone and homologous antiserum] Brănișteanu DD, et al.

Fiziol Norm Patol 19:315-20, Jul-Aug 73 (Eng. Abstr.)

(Rum)

PROSTAGLANDINS

Prostaglandins and the lung. Fanburg BL.

Am Rev Respir Dis 108:482-9, Sep 73 (51 ref.)

Lipido-composition of lipoproteins. (Summary).

Debuec H. *Ann Biol Clin (Paris)* 31:65-7, 1973

The First Heymans Memorial Lecture, Ghent, March 24, 1972. Some aspects of the actions of prostaglandins.

Euler US von.

Arch Int Pharmacodyn Ther Suppl:295-307, Apr 73 (52 ref.)

Prostaglandins and the kidney. McGiff JC, et al.

Circ Res 33:479-88, Nov 73 (72 ref.)

Detection of slow reacting substance of anaphylaxis (SRS-A) in plasma of guinea pigs during anaphylaxis.

Stechschulte DJ, et al. *J Immunol* 111:1585-9, Nov 73

Physicochemical properties of prostaglandin F2 alpha (tromethamine salt): solubility behavior, surface properties, and ionization constants. Roseman TJ, et al.

J Pharm Sci 62:1680-5, Oct 73

Total rate equation for decomposition of prostaglandin E2. Thompson GF, et al. *J Pharm Sci* 62:1738-9, Oct 73

Prostaglandin E1 fever induced in rabbits. Stitt JT.

J Physiol (Lond) 232:163-79, Jul 73

Letter: Early abortion induced with prostaglandin F2a

and a prostaglandin analogue I.C.I. 74,205. Embrey

MP, et al. *Lancet* 2:1100, 10 Nov 73

Stability of prostaglandin E compounds in solution.

Srivastava KC, et al. *Lipids* 8:592-4, Oct 73

Prostaglandins. Horton EW.

Monogr Endocrinol 7:1-197, 1972 (286 ref.)

ADMINISTRATION & DOSAGE

Experience with intra-amniotic prostaglandin F2 alpha

for abortion. Wentz AC, et al.

Am J Obstet Gynecol 117:513-21, 15 Oct 73

Inhibition of human gastric secretion by prostaglandin.

Carter DC, et al. *Br J Surg* 60:828-31, Oct 73

Blood coagulation changes during mid-trimester

abortion induced by prostaglandin F2 alpha. Badraoui

MH, et al. *Br Med J* 4:375-8, 17 Nov 73

Effects of prostaglandins E1, E2 and F2a on cyclic AMP

levels in brain in vivo. Wellmann W, et al.

Brain Res 59:371-8, 14 Sep 73

Effect of sodium balance on arterial blood pressure and

renal responses to prostaglandin A1 in man. Krakoff

LR, et al. *Circ Res* 33:539-46, Nov 73

Oral anti-ulcer activity of a synthetic prostaglandin

analogue (9-oxoprostanic acid: AY-22,469).

Lippmann W, et al. *Experientia* 29:993-5, 15 Aug 73

Comparison of the effects of prostaglandins E1, E2, and

A2, and of hypovolumic hypotension on the lower

esophageal sphincter. Goyal RK, et al.

Gastroenterology 65:608-12, Oct 73

Luteolysis following a single injection of prostaglandin

F2alpha in sheep. Douglas RH, et al.

J Anim Sci 37:990-3, Oct 73

Intra-amniotic administration of prostaglandin 15 (S)

15-methyl-E2 methyl ester for termination of

pregnancy. Amy JJ, et al.

J Obstet Gynaecol Br Commonw 80:1017-20, Nov 73

The induction of second trimester abortions using an

intra-amniotic injection of urea and prostaglandin E2.

Bowen-Simpkins P.

J Obstet Gynaecol Br Commonw 80:824-6, Sep 73

Induction of abortion by the extra-amniotic

administration of prostaglandin gels. Lippert TH, et

al. *J Obstet Gynaecol Br Commonw* 80:1025-7, Nov 73

Prostaglandin E1 fever induced in rabbits. Stitt JT.

J Physiol (Lond) 232:163-79, Jul 73

Prostaglandin F2 alpha and the release of LH in sheep.

Carlson JC, et al. *J Reprod Fertl* 34:357-61, Aug 73

Letter: Prostaglandins and the unfavourable cervix.

Calder A, et al. *Lancet* 2:1322-3, 8 Dec 73

Letter: Early abortion induced with prostaglandin F2a

and a prostaglandin analogue I.C.I. 74,205. Embrey

MP, et al. *Lancet* 2:1100, 10 Nov 73

Letter: Intrauterine prostaglandins for outpatient

termination of very early pregnancy. Karim SM.

Lancet 2:794, 6 Oct 73

Convulsions and electroencephalogram abnormalities

after intra-amniotic prostaglandin F2a. Lyneham RC,

et al. *Lancet* 2:1003-5, 3 Nov 73

Letter: Convulsions and prostaglandin-induced

abortion. MacKenzie IZ, et al. *Lancet* 2:1323, 8 Dec 73

Editorial: Prostaglandins and the uterus.

Lancet 2:829-30, 13 Oct 73

Uterine response to prostaglandin F2 alpha infusion in

term human pregnancy. Witting WC, et al.

Obstet Gynecol 42:581-8, Oct 73

Prostaglandin E1: its effects on hepatic circulation in

dogs. Geumel A, et al. *Pharmacology* 9:336-47, 1973

[Prostaglandins in human reproduction] Szontágh F.

Orv Hetil 114:2337-41, 30 Sep 73 (Hun)

[Effects of prostaglandin E1 on canine gastrointestinal

motility in vivo and human isolated smooth muscle in

vitro (author's trans)] Oashi S, et al.

Jap J Smooth Muscle Res 9:69-77, Jun 73 (Eng. Abstr.)

(Jap)

ADVERSE EFFECTS

Experience with intra-amniotic prostaglandin F2 alpha

for abortion. Wentz AC, et al.

Am J Obstet Gynecol 117:513-21, 15 Oct 73

Blood coagulation changes during mid-trimester

abortion induced by prostaglandin F2 alpha. Badraoui

MH, et al. *Br Med J* 4:375-8, 17 Nov 73

Letter: Intrauterine prostaglandins for outpatient

termination of very early pregnancy. Karim SM.

Lancet 2:794, 6 Oct 73

Convulsions and electroencephalogram abnormalities

after intra-amniotic prostaglandin F_{2a}. Lyneham RC, et al. *Lancet* 2:1003-5, 3 Nov 73
 Letter: Convulsions and prostaglandin-induced abortion. MacKenzie IZ, et al. *Lancet* 2:1323, 8 Dec 73
 Letter: Prostaglandin E₂ and sickling. Shine I, et al. *N Engl J Med* 289:1040, 8 Nov 73

ANALYSIS

Effect of polyphloretin-phosphate, an inhibitor of prostaglandins, on the spontaneous and induced motility of isolated rat uterus. De Gimeno MF, et al. *Acta Physiol Lat Am* 23:105-12, 1973
 Mass spectra of prostaglandins. IV. Trimethylsilyl derivatives of prostaglandins of the F series. Middleditch BS, et al. *Anal Biochem* 55:509-20, Oct 73
 Rabbit monoarticular arthritis and synovial prostaglandins. Blackham A, et al.
Br J Pharmacol 48:343P-344P, Jun 73
 Prostaglandins and the kidney. McGiff JC, et al. *Circ Res* 33:479-88, Nov 73 (72 ref.)
 Indomethacin blocks arachidonic acid-associated elevation of aqueous humor prostaglandin E. Jaffe BM, et al. *Invest Ophthalmol* 12:621-2, Aug 73
 Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al. *J Endocrinol* 59:43-55, Oct 73
 E prostaglandins in amniotic fluid during late pregnancy and labour. Kelsae MJ, et al.
J Obstet Gynaecol Br Commonw 80:970-3, Nov 73
 Detection of prostaglandin F₂ alpha as pentafluorobenzyl ester by electron-capture GLC. Wickramasinghe JA, et al.
J Pharm Sci 62:1428-31, Sep 73
 Prostaglandins. Horton EW.
Monogr Endocrinol 7:1-197, 1972 (286 ref.)
 Integrated gas chromatography-mass spectrometry. Ryhage R. *Q Rev Biophys* 6:311-35, Aug 73 (31 ref.)

ANTAGONISTS & INHIBITORS

Effect of polyphloretin-phosphate, an inhibitor of prostaglandins, on the spontaneous and induced motility of isolated rat uterus. De Gimeno MF, et al. *Acta Physiol Lat Am* 23:105-12, 1973
 Action of prostaglandin E-1 (PGE-1) on human pregnant (at the time of labor) and non-pregnant uterus in vivo and modification of this action by adrenergic receptor blocking agents. Midak E. *Acta Physiol Pol* 24:537-50, Jul-Aug 73
 The effects of delta 1-tetrahydrocannabinol on cyclic AMP levels in WI-38 fibroblasts. Kelly LA, et al. *Biochim Biophys Acta* 320:540-4, 14 Sep 73
 Anti-inflammatory drug mechanisms. McQueen EG. *Drugs* 6:104-17, 1973 (43 ref.)
 Effect of the prostaglandin synthesis inhibitors indomethacin and elcosa-5,8,11,14-tetraenoic acid on adrenergic responses in dog cutaneous vasculature. Zimmerman BG, et al.
J Pharmacol Exp Ther 187:315-23, Nov 73
 Influence of acetylsalicylic acid, an inhibitor of prostaglandin synthesis, on the duration of human gestation and labour. Lewis RB, et al.
Lancet 2:1159-61, 24 Nov 73
 Solubilized myocardial adenylate cyclase: activation by prostaglandins. Levey GS, et al.
Life Sci 13:41-6, 1 Jul 73
 Prostaglandin production and bone resorption by dental cysts. Harris M, et al.
Nature 245:213-5, 28 Sep 73
 Enhancement of metabolic coronary dilatation by aspirin-like substances by suppression of prostaglandin feedback control? Talesnik J, et al. *Nature* 244:351-3, 10 Aug 73
 Selective inhibitor of slow reacting substance of anaphylaxis. Augstein J, et al.
Nature [New Biol] 245:215-7, 17 Oct 73
 Inhibition of prostaglandin synthesis and the response of baboon cerebral circulation to carbon dioxide. Pickard JD, et al.
Nature [New Biol] 245:187-8, 10 Oct 73
 Release of prostaglandins from isolated cat spleen by angiotensin and vasopressin. Peskar B, et al. *Naunyn-Schmiedeberg Arch Pharmacol* 279:227-34, 8 Sep 73

BIOSYNTHESIS

Prostaglandins and the lung. Fanburg BL.
Am Rev Respir Dis 108:482-9, Sep 73 (51 ref.)
 Regional brain salicylate concentrations in afebrile and febrile rabbits. Rawlins MD, et al.
Biochem Pharmacol 22:2639-42, 15 Oct 73
 Isolation and properties of myocardial prostaglandin synthetase. Limas CJ, et al.
Cardiovasc Res 7:623-8, Sep 73
 Contribution of intrarenal generation of prostaglandin to autoregulation of renal blood flow in the dog. Herbaczynska-Cedro K, et al.
Circ Res 33:428-36, Oct 73
 Prostaglandins and the kidney. McGiff JC, et al. *Circ Res* 33:479-88, Nov 73 (72 ref.)
 Absorptive transport of prostaglandins from intraocular fluids to blood: a review of recent findings. Bito LZ.
Exp Eye Res 16:299-306, 10 Aug 73 (18 ref.)
 Prostaglandins and diabetic retinopathy. Waltzman MB. *Exp Eye Res* 16:307-13, 10 Aug 73
 Prostaglandin production by neuroblastoma, glioma and fibroblast cell lines; stimulation by N6,02'-dibutyladenosine 3':5'-cyclic monophosphate. Hamprecht B, et al.
FEBS Lett 36:193-8, 15 Oct 73
 Effect of nonsteroid anti-inflammatory and antipyretic drugs on prostaglandin biosynthesis by human skin. Greaves MW, et al. *J Invest Dermatol* 61:127-9, Sep 73
 Effect of the prostaglandin synthesis inhibitors indomethacin and elcosa-5,8,11,14-tetraenoic acid on adrenergic responses in dog cutaneous vasculature. Zimmerman BG, et al.
J Pharmacol Exp Ther 187:315-23, Nov 73
 Influence of acetylsalicylic acid, an inhibitor of prostaglandin synthesis, on the duration of human gestation and labour. Lewis RB, et al.
Lancet 2:1159-61, 24 Nov 73
 Prostaglandins. Horton EW.
Monogr Endocrinol 7:1-197, 1972 (286 ref.)
 Prostaglandin production and bone resorption by dental cysts. Harris M, et al.
Nature 245:213-5, 28 Sep 73
 Inhibition of prostaglandin synthesis and the response of baboon cerebral circulation to carbon dioxide. Pickard JD, et al.
Nature [New Biol] 245:187-8, 10 Oct 73
 [Aspirin, catecholamines and blood lactic acid] Laborit G, et al.
Agressologie 14:25-30, 1973 (Eng. Abstr.) (Fre)

BLOOD

Prostaglandin F₂alpha and labour. Brummer HC, et al. *Acta Obstet Gynecol Scand* 52:273-5, 1973
 Prostaglandins and the kidney. McGiff JC, et al. *Circ Res* 33:479-88, Nov 73 (72 ref.)
 Absorptive transport of prostaglandins from intraocular fluids to blood: a review of recent findings. Bito LZ.
Exp Eye Res 16:299-306, 10 Aug 73 (18 ref.)
 Prostaglandins and diabetic retinopathy. Waltzman MB. *Exp Eye Res* 16:307-13, 10 Aug 73
 Radioimmunoassay of prostaglandin F₂alpha in unextracted human plasma. Patrono C.
J Nucl Biol Med 17:25-9, Jan-Mar 73
 Progesterone secretion from the ovary in the ewe following infusion of uterine venous plasma. Baird DT, et al. *J Reprod Fertil* 35:13-22, Oct 73
 Prostaglandin F₂alpha and the release of LH in sheep. Carlson JC, et al. *J Reprod Fertil* 34:357-61, Aug 73
 Alcohol-stimulated calcitonin release in medullary carcinoma of the thyroid. Cohen SL, et al.
Lancet 2:1172-3, 24 Nov 73
 The mechanism of initiation of parturition in the ewe. Liggins GC, et al.
Recent Prog Horm Res 29:111-59, 1973
 [Is plasma calcium chelated by exogenous prostaglandin E₁?] Barac G, et al.
Arch Int Physiol Biochim 81:579, Sep 73 (Fre)

CEREBROSPINAL FLUID

Convulsions and electroencephalogram abnormalities after intra-amniotic prostaglandin F_{2a}. Lyneham RC, et al. *Lancet* 2:1003-5, 3 Nov 73

CHEMICAL SYNTHESIS

- Microbiological optical resolution of a racemic synthetic prostaglandin intermediate. Marsbeck WJ, et al. *Biochim Biophys Acta* 316:363-5, 25 Sep 73
- New extensions of the bicyclo[2.2.1]heptane route to prostaglandins. Bindra JS, et al. *J Am Chem Soc* 95:7522-3, 31 Oct 73
- A new stereocontrolled synthesis of prostaglandins via prostaglandin A. Corey EJ, et al. *J Am Chem Soc* 95:6832-3, 3 Oct 73
- Direct, stereocontrolled synthesis of a prostaglandins using the bicyclo[2.2.1]heptene approach. Corey EJ, et al. *J Am Chem Soc* 95:6331-2, 3 Oct 73
- A novel synthesis of prostaglandin F. Woodward RB, et al. *J Am Chem Soc* 95:6853-5, 3 Oct 73
- Prostaglandins. A total synthesis of (plus or minus)-11,15-dideoxy-PGE₂ and (plus or minus)-11-deoxy-PGE₂ methyl ester. Grieco PA, et al. *J Org Chem* 38:3413-5, 21 Sep 73
- Letter: A versatile prostaglandin synthesis. Use of a carboxy-inversion reaction. Kienzie F, et al. *J Org Chem* 38:3440-2, 21 Sep 73
- Prostaglandins. Horton EW. *Monogr Endocrinol* 7:1-197, 1972 (286 ref.)

ISOLATION & PURIFICATION

- Prostaglandins. Magliulo A. *J Chem Educ* 50:602-3, Sep 73
- Effect of nonsteroid anti-inflammatory and antipyretic drugs on prostaglandin biosynthesis by human skin. Greaves MW, et al. *J Invest Dermatol* 61:127-9, Sep 73
- Prostaglandins. Horton EW. *Monogr Endocrinol* 7:1-197, 1972 (286 ref.)

METABOLISM

- Editorial: Prostaglandins and the gastrointestinal tract. Bennett A. *Acta Hepatogastroenterol (Stuttg)* 20:93-7, Mar-Apr 73
- Studies on the mode of action of intra-amniotically and extra-amniotically injected hypertonic saline in therapeutic abortion. Gustavil B. *Acta Obstet Gynecol Scand [Suppl]* 1-22, 1973
- Studies on human conception. Edwards RG. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
- Prostaglandins and the lung. Fanburg BL. *Am Rev Respir Dis* 108:482-9, Sep 73 (51 ref.)
- Rabbit monoarticular arthritis and synovial prostaglandins. Blackham A, et al. *Br J Pharmacol* 48:343P-344P, Jun 73
- The action of prostaglandin E1 on frog skeletal muscle. Marco LA, et al. *Can J Physiol Pharmacol* 51:627-34, Sep 73
- Contribution of intrarenal generation of prostaglandin to autoregulation of renal blood flow in the dog. Herbaczynska-Cedro K, et al. *Circ Res* 33:428-36, Oct 73
- Prostaglandin release from vasculature by angiotensin II: dissociation from lipolysis. Needleman P, et al. *Eur J Pharmacol* 23:316-9, Sep 73
- Absorptive transport of prostaglandins from intraocular fluids to blood: a review of recent findings. Bito LZ. *Exp Eye Res* 16:299-306, 10 Aug 73 (18 ref.)
- Localization of the uptake of prostaglandin E1 in the eye. Ehinger B. *Exp Eye Res* 17:43-7, 10 Oct 73
- The lung in relation to vasoactive hormones. Said SI. *Fed Proc* 32:1972-6, Sep 73 (53 ref.)
- Indomethacin blocks arachidonic acid-associated elevation of aqueous humor prostaglandin E. Jaffe BM, et al. *Invest Ophthalmol* 12:621-2, Aug 73
- Prostaglandins. Magliulo A. *J Chem Educ* 50:602-3, Sep 73
- Prostaglandins. Horton EW. *Monogr Endocrinol* 7:1-197, 1972 (286 ref.)
- Metabolic degradation of prostaglandin E1 in the lung and kidney of rats in endotoxin shock. Nakano J, et al. *Proc Soc Exp Biol Med* 144:506-8, Nov 73
- [Is plasma calcium chelated by exogenous prostaglandin E1?] Barac G, et al. *Arch Int Physiol Biochim* 81:579, Sep 73 (Fre)
- PHARMACODYNAMICS**
- Editorial: Prostaglandins and the gastrointestinal tract. Bennett A. *Acta Hepatogastroenterol (Stuttg)* 20:93-7, Mar-Apr 73
- The effect of prostaglandin E1 on the secretion and the motility of the human stomach. Classen M, et al. *Acta Hepatogastroenterol (Stuttg)* 20:159-62, Mar-Apr 73
- Action of prostaglandin E-1 (PGE-1) on human pregnant (at the time of labor) and non-pregnant uterus in vivo and modification of this action by adrenergic receptor blocking agents. Midak E. *Acta Physiol Pol* 24:537-50, Jul-Aug 73
- Lack of correlation between profiles of transmitter efflux and of muscular contraction in response to nerve stimulation in isolated guinea-pig vas deferens. Stjärne L. *Acta Physiol Scand* 88:137-44, May 73
- Platelets, thrombosis and coronary artery disease. Genton E, et al. *Adv Cardiol* 9:29-39, 1973 (25 ref.)
- Prostaglandins and the lung. Fanburg BL. *Am Rev Respir Dis* 108:482-9, Sep 73 (51 ref.)
- The First Heymans Memorial Lecture, Gbent, March 24, 1972. Some aspects of the actions of prostaglandins. Euler US von. *Arch Int Pharmacodyn Ther Suppl*:295-307, Apr 73 (52 ref.)
- Effect of prostaglandins on arterial and venous tone and calcium transport. Greenberg S, et al. *Arch Int Pharmacodyn Ther* 204:373-89, Aug 73
- Effect of adrenergic receptor blockade on the response to prostaglandin E1 in canine ileum. Kapoor K, et al. *Arch Int Pharmacodyn Ther* 203:243-50, Jun 73
- Epinephrine- and prostaglandin-sensitive adenyl cyclase in mammary gland. Bär HP. *Biochim Biophys Acta* 321:397-406, 15 Sep 73
- Hormone-sensitive adenyl cyclases. Useful models for studying hormone receptor functions in cell-free systems. Birnbaumer L. *Biochim Biophys Acta* 300:129-58, 10 Sep 73 (73 ref.)
- Human chorionic gonadotropin-mediated glycogenolysis in human placental villi: a role of prostaglandins. Demers LM, et al. *Biochim Biophys Acta* 313:202-10, 20 Jun 73
- Studies on the relationship between adenylate cyclase activity and calcium transport by cardiac sarcolemmal membranes. Dhalla NS, et al. *Biochim Biophys Acta* 323:276-84, 11 Oct 73
- Effects of antilipolytic agents and alpha-adrenergic antagonists on cyclic AMP metabolism in hamster white adipocytes. Hittelman KJ, et al. *Biochim Biophys Acta* 316:403-10, 25 Sep 73
- Adenylate cyclase activity in isolated rat islets of Langerhans. Effects of agents which alter rates of insulin secretion. Howell SL, et al. *Biochim Biophys Acta* 320:44-52, 17 Aug 73
- The effects of delta 1-tetrahydrocannabinol on cyclic AMP levels in WI-38 fibroblasts. Kelly LA, et al. *Biochim Biophys Acta* 320:540-4, 14 Sep 73
- Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. Van Sande J, et al. *Biochim Biophys Acta* 313:320-8, 28 Jul 73
- The effects of prostaglandin F2 alpha on the structure and function of the rabbit ovary. Koering MJ, et al. *Biol Reprod* 9:226-45, Oct 73
- Effect of repeated treatment of rabbit platelets with low concentrations of thrombin on their function, metabolism and survival. Reimers HJ, et al. *Br J Haematol* 25:675-89, Nov 73
- Electrically induced contractions of guinea-pig isolated ileum resistant to tetrodotoxin. Bennett A, et al. *Br J Pharmacol* 48:359P-360P, Jun 73
- Effect of intraperitoneal administration of (+)-INPEA on oxytocin and prostaglandin evoked responses of the isolated rat uterus. Rao VS, et al. *Br J Pharmacol* 48:344P-345P, Jun 73
- Proceedings: inhibition of human gastric secretion by orally or intravenously administered prostaglandin 16, 16 dimethyl-E2 methyl ester. Carter DC, et al. *Br J Surg* 60:912, Nov 73
- Inhibition of human gastric secretion by prostaglandin. Carter DC, et al. *Br J Surg* 60:828-31, Oct 73
- Prostaglandins at adrenergic nerve-endings. Horton EW. *Br Med Bull* 29:148-51, May 73 (42 ref.)
- Blood coagulation changes during mid-trimester abortion induced by prostaglandin F2 alpha. Badraoui MH, et al. *Br Med J* 4:375-8, 17 Nov 73
- Itcb: role of prostaglandins. Greaves MW, et al. *Br Med J* 3:608-9, 22 Sep 73
- Effects of prostaglandins E1, E2 and F2a on cyclic AMP levels in brain in vivo. Wellmann W, et al. *Brain Res* 59:371-8, 14 Sep 73

- The action of prostaglandin E1 on frog skeletal muscle. Marco LA, et al. *Can J Physiol Pharmacol* 51:827-34, Sep 73
- Application of drug-receptor theories to angiotensin. Rioux F, et al. *Can J Physiol Pharmacol* 51:665-72, Sep 73
- Insulin reversal of growth inhibition of plasma cell tumor by prostaglandin or adenosine 3',5'-monophosphate. Naseem SM, et al. *Cancer Res* 33:2909-12, Nov 73
- In vitro correction of antigen-induced immune suppression: effects of poly(A) poly(U) and prostaglandin E. Mozes E, et al. *Cell Immunol* 9:226-33, Nov 73
- Effect of sodium balance on arterial blood pressure and renal responses to prostaglandin A1 in man. Krakoff LR, et al. *Circ Res* 33:539-46, Nov 73
- Prostaglandins and the kidney. McGiff JC, et al. *Circ Res* 33:479-88, Nov 73 (72 ref.)
- Anti-inflammatory drug mechanisms. McQueen EG. *Drugs* 6:104-17, 1973 (43 ref.)
- Evidence for separate sites of action for the antipolytic effects of insulin and prostaglandin E1. Loten EG, et al. *Endocrinology* 93:1315-22, Dec 73
- In vitro inhibition by synthetic phospholipids of pressor responses to renin. Buñag RD, et al. *Eur J Pharmacol* 23:191-6, Aug 73
- The effects of PGE1 on responses to cardiac vagus nerve stimulation and acetylcholine release. Haddázy P, et al. *Eur J Pharmacol* 23:251-5, Sep 73
- Substances affecting active transport across the ciliary epithelium and their possible role in determining intraocular pressure. Cole DF, et al. *Exp Eye Res* 16:251-64, 10 Aug 73
- Oral antitumor acid secretory activity of synthetic prostaglandin analogues (9-oxoprostanic acids). Lippmann W. *Experientia* 29:990-1, 15 Aug 73
- Oral anti-ulcer activity of a synthetic prostaglandin analogue (9-oxoprostanic acid: AY-22,469). Lippmann W, et al. *Experientia* 29:993-5, 15 Aug 73
- Monkey ovarian contractility-its relationship to ovulation. Virutamasen P, et al. *Fertil Steril* 24:763-71, Oct 73
- Comparison of the effects of prostaglandins E1, E2, and A2, and of hypovolumic hypotension on the lower esophageal sphincter. Goyal RK, et al. *Gastroenterology* 65:608-12, Oct 73
- Seasonal changes in the sensitivity of frog skin to prostaglandin and the effect of external sodium and chloride on the response. Hall WJ. *Ir J Med Sci* 142:230-43, Sep 73
- Bone resorption in tissue culture and its relevance to periodontal disease. Goldhaber P, et al. *J Am Dent Assoc* 87:1027-33, Oct 73 (18 ref.)
- Luteolysis following a single injection of prostaglandin F2alpha in sheep. Douglas RH, et al. *J Anim Sci* 37:990-3, Oct 73
- An effect of insulin on cyclic adenosine 3',5'-monophosphate phosphodiesterase activity in fat cells. Manganiello V, et al. *J Biol Chem* 248:7164-70, 25 Oct 73
- Expression of genes for metabolism of cyclic adenosine 3',5'-monophosphate in somatic cells. II. Effects of prostaglandin E1 and theophylline on parental and hybrid cells. Minna JD, et al. *J Biol Chem* 248:6618-25, 10 Oct 73
- Prostaglandins. Magliulo A. *J Chem Educ* 50:602-3, Sep 73
- Mechanism of oestradiol action on the rat uterus: independence of cyclic AMP, prostaglandin E2 and beta-adrenergic mediation. Zor U, et al. *J Endocrinol* 58:525-33, Sep 73
- Enhancement of erythropoiesis by prostaglandins. Dukes PP, et al. *J Lab Clin Med* 82:704-12, Nov 73
- Interaction of cultured human fibroblasts with fibrin: modification by drugs and aging in vitro. Niewiarowski S, et al. *J Lab Clin Med* 82:605-10, Oct 73
- Action of prostaglandin E1 and F1-alpha on rabbit's isolated intestine in the presence of ADP. Dozi-Vassiliades J, et al. *J Pharm Belg* 28:203-8, Mar-Apr 73
- Effect of the prostaglandin synthesis inhibitors indomethacin and ibuprofen, 5,8,11,14-tetraynolic acid on adrenergic responses in dog cutaneous vasculature. Zimmerman BG, et al. *J Pharmacol Exp Ther* 187:315-23, Nov 73
- Prostaglandin E1 fever induced in rabbits. Stitt JT. *J Physiol (Lond)* 232:163-79, Jul 73
- Prostaglandin F2alpha and the release of LH in sheep. Carlson JC, et al. *J Reprod Fertil* 34:357-61, Aug 73
- Effect of (+)-INPEA on contractions of the isolated rat uterus evoked by prostaglandins. Rao VS, et al. *J Reprod Fertil* 34:523-5, Sep 73
- The effects of prostaglandin E1 on human granulocyte metabolism during phagocytosis. Flyer RH, et al. *J Reticuloendothel Soc* 14:325-31, Oct 73
- Letter: Early abortion induced with prostaglandin F2a and a prostaglandin analogue I.C.I. 74,205. Embrey MP, et al. *Lancet* 2:1100, 10 Nov 73
- Letter: Intrauterine prostaglandins for outpatient termination of very early pregnancy. Karim SM. *Lancet* 2:794, 6 Oct 73
- Convulsions and electroencephalogram abnormalities after intra-amniotic prostaglandin F2a. Lyneham RC, et al. *Lancet* 2:1003-5, 3 Nov 73
- The antihypertensive action of arachidonic acid in the spontaneous hypertensive rat and its antagonism by anti-inflammatory agents. Cohen M, et al. *Life Sci* 13:317-25, 16 Aug 73
- Adenosine 3',5' cyclic monophosphate in *Euglena gracilis*. Kelrns JJ, et al. *Life Sci* 13:287-302, 16 Aug 73
- Solubilized myocardial adenylate cyclase: activation by prostaglandins. Levey GS, et al. *Life Sci* 13:41-6, 1 Jul 73
- Aggregation of duck thrombocytes by 5-hydroxytryptamine. Belamarich FA, et al. *Microvasc Res* 6:229-34, Sep 73
- Prostaglandins. Horton EW. *Monogr Endocrinol* 7:1-197, 1972 (286 ref.)
- Prostaglandin production and bone resorption by dental cysts. Harris M, et al. *Nature* 245:213-5, 28 Sep 73
- Enhancement of metabolic coronary dilatation by aspirin-like substances by suppression of prostaglandin feedback control? Talesnik J, et al. *Nature* 244:351-3, 10 Aug 73
- The use of preparations of urinary bladder smooth muscle for bioassay of and discrimination between polypeptides. Erspamer GF, et al. *Naunyn Schmiedeberg Arch Pharmacol* 279:61-74, 24 Aug 73
- The effect of parathyroid hormone on rabbit renal cortex adenyl cyclase during development. Linarelli LG, et al. *Pediatr Res* 7:878-82, Nov 73
- The actions of drugs on the smooth muscle of the capsule and blood vessels of the spleen. Davies BN, et al. *Pharmacol Rev* 25:373-413, Sep 73 (262 ref.)
- Prostaglandin E1: its effects on hepatic circulation in dogs. Geumel A, et al. *Pharmacology* 9:336-47, 1973
- Mechanisms of lysosomal enzyme release from human leukocytes: microtubule assembly and membrane fusion induced by a component of complement. Goldstein I, et al. *Proc Natl Acad Sci USA* 70:2916-20, Oct 73
- A mutant of 3T3 cells with cyclic AMP metabolism sensitive to temperature change. Willingham MC, et al. *Proc Natl Acad Sci USA* 70:2906-10, Oct 73
- Cardiovascular pharmacology of prostaglandin B1 and B2 in the intact dog. Greenberg S, et al. *Proc Soc Exp Biol Med* 143:1008-13, Sep 73
- Effects of prostaglandin B2 on renal hemodynamics and excretion. Marchand GR, et al. *Proc Soc Exp Biol Med* 143:938-40, Sep 73
- Chronotropic and inotropic effects of prostaglandins E1, A1, and F2alpha on isolated mammalian cardiac tissue. Su JY, et al. *Proc Soc Exp Biol Med* 143:1227-30, Sep 73
- Studies on the contractile effects of prostaglandins on aortic strip preparations from spontaneously hypertensive rats. Levy JV. *Res Commun Chem Pathol Pharmacol* 6:365-81, Sep 73
- Effects of prostaglandins E1 and F2alpha and of polyphlorethin phosphate on cholesterol esterification by rabbit ovarian subcellular fractions. Morin RJ. *Res Commun Chem Pathol Pharmacol* 6:195-206, Jul 73
- [Clinical application of prostaglandin in obstetrics] Tang MI. *Chin Med J* 9:563-9, 1973 (32 ref.) (Chi)
- [Effects of metoclopramide and procaine on isolated rat stomach strip] Fontaine J, et al. *Arch Int Pharmacodyn Ther* 204:191-5, Jul 73 (Fre)
- [In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F2alpha] Santos AA, et al. *FEBS Lett* 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)
- [Prostaglandins in human reproduction] Szontágh F. *Orv Hetil* 114:2337-41, 30 Sep 73 (Hun)
- [Effects of guanyl nucleotide on adenyl cyclase activity of human thyroid gland] Sato S, et al.

Folia Endocrinol Jap 49:1207-14, 20 Sep 73 (Eng. Abstr.) (Jap)

[Effects of prostaglandin E1 on canine gastrointestinal motility in vivo and human isolated smooth muscle in vitro (author's transl)] Oashi S, et al.

Jap J Smooth Muscle Res 9:69-77, Jun 73 (Eng. Abstr.) (Jap)

[Labor induction by means of prostaglandin F-2 alpha administration] Sylwestrowicz W, et al.

Ginekol Pol 44:1043-7, 1973 (Eng. Abstr.) (Pol)

[Current data on the physiological and pharmacological implications of prostaglandins] Roșca V, et al.

Rev Med Chir Soc Med Nat Iasi 77:433-9, Jul-Sep 73 (Rum)

PHYSIOLOGY

Editorial: Prostaglandins and the gastrointestinal tract. Bennett A.

Acta Hepatogastroenterol (Stuttg) 20:93-7, Mar-Apr 73

Prostaglandins and cellular calcium transport in the pregnant human uterus. Carsten ME.

Am J Obstet Gynecol 117:824-32, 15 Nov 73

Prostaglandins and the lung. Fanburg BL.

Am Rev Respir Dis 108:482-9, Sep 73 (51 ref.)

Prostaglandins at adrenergic nerve-endings. Horton

EW. Br Med Bull 29:148-51, May 73 (42 ref.)

Prostaglandins and the kidney. McGliff JC, et al.

Circ Res 33:479-88, Nov 73 (72 ref.)

Editorial: Prostaglandins and the uterus.

Lancet 2:829-30, 13 Oct 73

Prostaglandins. Horton EW.

Monogr Endocrinol 7:1-197, 1972 (286 ref.)

[Interaction among prostaglandins, nerves and hormones] Chl JY.

Chin Med J 9:558-62, 1973 (27 ref.) (Chi)

[Blood platelets and inflammation] Zawilska K, et al.

Pathol Biol (Paris) 21:771-80, Sep 73 (70 ref.) (Eng. Abstr.) (Fre)

[Prostaglandins in human reproduction] Szontagh F.

Orv Hetil 114:2337-41, 30 Sep 73 (Hun)

[Current data on the physiological and pharmacological implications of prostaglandins] Roșca V, et al.

Rev Med Chir Soc Med Nat Iasi 77:433-9, Jul-Sep 73 (Rum)

SECRETION

Prostaglandins at adrenergic nerve-endings. Horton

EW. Br Med Bull 29:148-51, May 73 (42 ref.)

Angiotensin II. Synthesis and biological activity of

6-(1-methylhistidine) and 6-(3-methylhistidine)

analogs. Needleman P, et al.

J Med Chem 16:968-70, Sep 73

Release of prostaglandins from isolated cat spleen by

angiotensin and vasopressin. Peskar B, et al.

Naunyn-Schmiedeberg's Arch Pharmacol 279:227-34, 8

Sep 73

[Qualitative changes in prostaglandins in kidneys of

normotonic and hypertonic animals under the effect

of aspirin-like preparations] Somova L, et al.

Eksp Med Morfol 11:168-72, 1972 (Bul)

THERAPEUTIC USE

Experience with intra-amniotic prostaglandin F2 alpha

for abortion. Wentz AC, et al.

Am J Obstet Gynecol 117:513-21, 15 Oct 73

Effect of bee venom on experimental arthritis. Zurier

RB, et al. Ann Rheum Dis 32:466-70, Sep 73

Suppression of acute and chronic inflammation in

adrenalectomized rats by pharmacologic amounts of

prostaglandins. Zurier RB, et al.

Arthritis Rheum 16:606-18, Sep-Oct 73

Inhibition of human gastric secretion by prostaglandin.

Carter DC, et al. Br J Surg 60:828-31, Oct 73

Application of the potentiating effect of prostaglandin

E2 and oxytocin to induced second trimester abortion.

Alderman B, et al.

J Obstet Gynaecol Br Commonw 80:1021-4, Nov 73

Intra-amniotic administration of prostaglandin 15 (S)

15-methyl-E2 methyl ester for termination of

pregnancy. Amy JJ, et al.

J Obstet Gynaecol Br Commonw 80:1017-20, Nov 73

Induction of abortion by the extra-amniotic

administration of prostaglandin gels. Lippert TH, et

al. J Obstet Gynaecol Br Commonw 80:1025-7, Nov 73

Editorial: Prostaglandins and the uterus.

Lancet 2:829-30, 13 Oct 73

Developments in drug therapy. Richens A.

Nurs Mirror 137:30-2, 28 Sep 73

Advances in medicine. Girdwood RH.

Practitioner 211:407-18, Oct 73 (59 ref.)

URINE

Quantitative studies on prostaglandin synthesis in man.

II. Determination of the major urinary metabolite of

prostaglandins F1 alpha and F2 alpha. Hamberg M.

Anal Biochem 55:368-78, Oct 73

RECEPTORS, HORMONE

Binding of thyrotropin releasing hormone by

thyrotropin-secreting cells. Eddy LJ, et al.

Biochim Biophys Res Commun 54:140-6, 5 Sep 73

Binding of progesterone by rat uterus in vitro. Saffran

J, et al.

Biochim Biophys Res Commun 53:202-9, 2 Jul 73

Hormone-sensitive adenyl cyclases. Useful models

for studying hormone receptor functions in cell-free

systems. Birnbaumer L.

Biochim Biophys Acta 300:129-58, 10 Sep 73 (73 ref.)

Studies on estrogen entry into uterine cells and on

estradiol-receptor complex attachment to the

nucleus—is the entry of estrogen into uterine cells a

protein-mediated process? Milgrom E, et al.

Biochim Biophys Acta 320:267-83, 14 Sep 73

Progesterone receptor associated with the

"melanosome" fraction of Pleurodeles waltlii oocytes

(Urodela amphibian). Ozon R, et al.

Biochim Biophys Acta 320:588-93, 5 Oct 73

Gonadotropin receptors in the plasma membranes of

rat luteal cells. Rao CV, et al.

Biochim Biophys Acta 313:372-89, 28 Jul 73

Specific estrogen binding in vivo in the R3230AC

mammary adenocarcinoma of the rat. Boylan ES, et al.

Cancer Res 33:2903-8, Nov 73

Specific glucocorticoid binding in human hemopoietic

cell lines and neoplastic tissue. Gallani S, et al.

Cancer Res 33:2653-7, Nov 73

Effects of dimethylbenz(a)anthracene and

dihydrotestosterone on estradiol-17 beta binding in

rat mammary cytosol fraction. Keightley DD, et al.

Cancer Res 33:2637-42, Nov 73

A rapid competitive protein-binding assay of

unconjugated oestradiol in late pregnancy plasma.

Ahmed J, et al. Clin Chim Acta 48:37-43, Sep 28 1973

A stable uterine binding protein preparation for the

assay of plasma oestriol in pregnancy. Corns CM, et al.

Clin Chim Acta 47:203-10, 30 Aug 73

Physical and chemical factors influencing the

reliability of the assay of androgens by competitive

protein binding. Rudd BT, et al.

Clin Chim Acta 47:261-8, 30 Aug 73

Cardiac glucocorticoid receptors: the binding of

tritiated dexamethasone in rat and dog heart. Funder

JW, et al. Endocrinology 93:1300-8, Dec 73

Content of estrogen receptors in human breast cancer.

Spaeren U, et al. Eur J Cancer 9:353-7, May 73

Standards for the assessment of estrogen receptors in

human breast cancer. Report of a workshop on

September 29, 1972, at the Antoni van

Leeuwenhoek-Huis, Amsterdam.

Eur J Cancer 9:379-81, May 73

A radioautographic method for the localization of

steroid ligands and receptors by cell affinity labelling.

Uriel J, et al. Exp Cell Res 80:449-53, Aug 73

Estrogen receptor: loss of DNA binding ability

following trypsin or Ca2+ treatment. Andre J, et al.

FEBS Lett 32:330-4, 1 Jun 73

Distribution of insulin receptor sites among liver

plasma membrane subfractions. Evans WH, et al.

FEBS Lett 34:259-62, 15 Aug 73

Influence of plasma on ACTH stimulated

corticosterone production of isolated adrenal cells.

Fehm HL, et al. FEBS Lett 36:109-12, 1 Oct 73

LH-RH stimulated gonadotropin release mediated by

two distinct pituitary receptors. Spona J.

FEBS Lett 35:59-62, 1 Sep 73

Purification of estradiol receptor by affinity

chromatography. Representative experiments.

Truong H, et al. FEBS Lett 35:289-94, 15 Sep 73

Measurement of estrogen-binding capacity in the

hormone-dependent and -independent rat mammary

tumors. Nomura Y, et al. Gann 64:401-4, Aug 73

Hormone: receptor interactions. Biological activities of

(phenylalanine,

norvaline)-adrenocorticotropin-(1-24)-

- tetrakosipeptide and its 4,5-dehydro-4,5-ditritio-norvaline analogue in isolated rat lipocytes and adrenal cortex cells: lipolysis, corticosterone and cyclic adenosine-3',5'-monophosphate production. Lang U, et al. *Helv Chim Acta* 56:1069-72, 1973
- Unifying concepts in the response of mammalian cells to stimuli. Talwar GP. *Indian J Med Res* 61:791-801, Jun 73
- Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. Watanabe H, et al. *J Biol Chem* 248:7625-30, 25 Nov 73
- Improved sensitivity in the measurement of estrogen receptor in human breast cancer. McGuire WL, et al. *J Clin Endocrinol Metab* 37:986-9, Dec 73
- Oestrogen receptors in the mammary gland of the lactating rat. Hsueh AJ, et al. *J Endocrinol* 58:503-11, Sep 73
- A study of the androgen receptors in a variety of androgen-sensitive tissues. Mainwaring WI, et al. *J Endocrinol* 59:121-39, Oct 73
- Slowly exchangeable pool of estradiol in the rat uterus. De Hertogh R, et al. *J Steroid Biochem* 4:313-20, May 73
- Dynamic exchange of (6, 73H) estradiol-17beta at the subcellular level in rat uterus. De Hertogh R, et al. *J Steroid Biochem* 4:301-11, May 73
- Subcellular distribution and binding of (6,7-3H) estradiol in rat uterus, at equilibrium, after long-term intravenous infusion. De Hertogh R, et al. *J Steroid Biochem* 4:289-99, May 73
- Fine structure of rat uterine eosinophils and the possible role of eosinophils in the mechanism of estrogen action. Tchernitchin A. *J Steroid Biochem* 4:277-82, May 73
- Hormone receptors. *Med J Aust* 2:150-1, 28 Jul 73
- Oestrogen receptor binding is not restricted to target nuclei. Chamness GC, et al. *Nature* 241:458-60, 16 Feb 73
- Letter: Ribonucleoprotein particle in epidermis cells as the receptor for juvenile hormone. Schmaldek P. *Nature* 245:267-8, 5 Oct 73
- Induced protein synthesis and oestradiol binding to the nuclei in the rat uterus. Iacobelli S. *Nature [New Biol]* 245:154-5, 3 Oct 73
- Multiple antigenic and biological determinants of human FSH and its subunits. Rabinowitz D, et al. *Nature [New Biol]* 245:245-7, 24 Oct 73
- Endometrial cancer. Facts and theories. Nordqvist SR. *Pathol Annu* 8:283-300, 1973 (93 ref.)
- Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. Bardin CW, et al. *Recent Prog Horm Res* 29:65-109, 1973
- Studies on luteinizing hormone and its subunits: development and application of a radioligand receptor assay and properties of the hormone-receptor interaction. Reichert LE Jr, et al. *Recent Prog Horm Res* 29:497-532, 1973
- Letter: Insulin activity: the solid matrix. Butcher RW, et al. *Science* 182:396-8, 26 Oct 73
- Demonstration of a specific binding protein for testosterone and 5alpha-dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Hansson V, et al. *Steroids* 22:185-92, Aug 73
- Some properties of cortisol-receptor complex isolated from cytoplasm of rat liver and its effect on biosynthesis of nuclear RNA. Ribarac-Stepic N, et al. *Steroids* 22:155-69, Aug 73
- Estrogen receptor protein of pancreas. Sandberg AA, et al. *Steroids* 22:259-71, Aug 73
- [In vitro synthesis of progesterone in human cyclic corpus luteum: action of prostaglandin F2alpha] Santos AA, et al. *FEBS Lett* 34:179-84, 15 Aug 73 (Eng. Abstr.) (Fre)
- [Determination of urinary testosterone in man: a comparison between two methods using gas phase chromatography and competitive protein binding analysis respectively (author's transl)] Littmann KP, et al. *Z Klin Chem Klin Biochem* 11:371-5, Sep 73 (Ger)
- [Conduction of insulin action: the receptor and transmitter] Tarul S, et al. *Jap J Clin Med* 31:2205-12, Jul 73 (40 ref.) (Jap)
- [Interaction of hormone with its receptors (author's transl)] Kato J. *Protein Nucleic Acid Enzyme (Tokyo)* 18:618-30, Jun 73 (153 ref.) (Jap)
- [Gene activation and mRNA synthesis in higher organisms] Oisnes S. *Tidsskr Nor Laegeforen* 93:1230-5, 10 Jun 73 (19 ref.) (Eng. Abstr.) (Nor)

ANALYSIS

- [Determination of sedimentation coefficients by the radioactivity partition method. Application to trace proteins] Guilleux JC, et al. *Biochimie* 55:435-42, 1973 (Eng. Abstr.) (Fre)

DRUG EFFECTS

- Acute effects of actinomycin D on the binding of tritiated oestradiol by the mouse vagina. Stone GM. *Aust J Biol Sci* 26:689-92, Jun 73
- Vasoactive intestinal polypeptide and glucagon: stimulation of adenylate cyclase activity via distinct receptors in liver and fat cell membranes. Desbuquois B, et al. *Biochem Biophys Res Commun* 53:1187-94, 21 Aug 73
- Binding of progesterone by rat uterus in vitro. Saffran J, et al. *Biochem Biophys Res Commun* 53:202-9, 2 Jul 73
- Application of drug-receptor theories to angiotensin. Rioux F, et al. *Can J Physiol Pharmacol* 51:665-72, Sep 73
- Characteristics of a soluble gonadotropin receptor from the rat testis. Dufau ML, et al. *J Biol Chem* 248:6973-82, 25 Oct 73
- Solid-phase synthesis of (3-proline,8-isoleucine)-, (1-sarcosine,3-proline,8-isoleucine)-, and (4-phenylalanine,8-isoleucine)angiotensin II as the antagonists of the parent hormone. Khosla MC, et al. *J Med Chem* 16:1184-5, Oct 73
- Iodination of estrogen receptors in rat uterine eosinophils. Tchernitchin A, et al. *J Steroid Biochem* 4:401-6, Jul 73

REVIEWS

ACROMEGALY

SURGERY

Ultrasonic hypophysectomy in acromegaly. Report of 41 cases. Arslan M. *ORL* 35:134-40, 1973

AMYGDALOID BODY

The amygdala: historical and functional analysis. Richardson JS. *Acta Neurobiol Exp (Warsz)* 33:623-48, 1973 (179 ref.)

BONE AND BONES

TRANSPLANTATION

Implants and transplants: review of recent research in this area of oral surgery. Boyne PJ. *J Am Dent Assoc* 87:1074-80, Oct 73 (32 ref.)

CALCITONIN

BLOOD

[Calcitonin--Interpretation of the test results] Moril H. *Jap J Clin Med* 31:1700-4, 1973 (23 ref.) (Jap)
[Calcitonin and its significance for the diagnosis of medullary carcinoma of the thyroid] Gautvik KM. *Tidsskr Nor Laegeforen* 93:1143-8, 30 May 73 (27 ref.) (Eng. Abstr.) (Nor)

CALCIUM

Ca spike. Haglwara S. *Adv Biophys (Tokyo)* 4:71-102, 1973 (89 ref.)

PHYSIOLOGY

Ca ions and excitation-contraction coupling in heart muscle. Carmeliet E, et al. *Verh K Vlaam Acad Geneeskd Belg* 35:181-222, 1973 (71 ref.)

CLOMIPHENE

THERAPEUTIC USE

The use of clomiphene citrate in the treatment of anovulation. Kistner RW. *Semin Drug Treat* 3:159-76, Autumn 73 (25 ref.)

CONTRACEPTIVES, ORAL

ADVERSE EFFECTS

Clinical and epidemiologic aspects of oral contraceptive safety. Schrogle JJ. *Semin Drug Treat* 3:143-56, Autumn 73 (90 ref.)
[Possible carcinogenic action of contraceptives] Rudall G, et al. *Maroc Med* 52:558-61, Oct 72 (20 ref.) (Fre)

CRETINISM

CHEMICALLY INDUCED

Possible role of cyanide and thiocyanate in the etiology of endemic cretinism. Ermans AM, et al. *Adv Exp Med Biol* 30:455-86, 1972 (89 ref.)

ETIOLOGY

Cretinism and the fetal-maternal relationship. Stanbury JB. *Adv Exp Med Biol* 30:487-505, 1972 (50 ref.)

ENDOCRINOLOGY

[The year in endocrinology] Alheaux-Fernet M, et al. *Annee Endocrinol* 24:1-197, 1972 (9 ref.) (Fre)

ESTROGENS

ADVERSE EFFECTS

[Possible carcinogenic action of contraceptives] Rudall G, et al. *Maroc Med* 52:558-61, Oct 72 (20 ref.) (Fre)

METABOLISM

[Interaction of hormone with its receptors (author's transl)] Kato J. *Protein Nucleic Acid Enzyme (Tokyo)* 18:618-30, Jun 73 (153 ref.) (Jap)

PHARMACODYNAMICS

Cyclic adenosine 3',5'-monophosphate and estrogenic stimulation of uterine metabolism. Singhal RL. *Adv Pharmacol Chemother* 11:99-150, 1973 (415 ref.)

GUANOSINE CYCLIC 3',5' MONOPHOSPHATE

ANALYSIS

[Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerblitz KD, et al. *Z Klin Chem Klin Biochem* 11:224-32, Jun 73 (106 ref.) (Ger)

HORMONES

PHYSIOLOGY

Growth and development in adolescence. Kogut MD. *Pediatr Clin North Am* 20:789-806, Nov 73 (111 ref.)
[Interaction among prostaglandins, nerves and hormones] Chl JY. *Chin Med J* 9:558-62, 1973 (27 ref.) (Chi)

HYDROXYDOPAMINE

PHARMACODYNAMICS

Central effects of 6-hydroxydopamine. Longo VG. *Behav Biol* 9:397-420, Oct 73 (70 ref.)

HYPERPARATHYROIDISM

PHYSIOPATHOLOGY

[Parathyroid glands and the stomach] Mosin VI. *Klin Med (Mosk)* 51:106-13, Mar 73 (80 ref.) (Rus)

REVIEW SECTION

HYPERPARATHYROIDISM, SECONDARY

SURGERY

Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.
Kidney Int 4:168-73, Aug 73 (56 ref.)

HYPERTHYROIDISM

DIAGNOSIS

Non-invasive techniques in the diagnosis and management of acute cardiac problems. Werthelmer L.
Med Clin North Am 57:1491-501, Nov 73 (18 ref.)

SURGERY

Thyrotoxic crisis and myxedema coma. Menendez CE, et al.
Med Clin North Am 57:1463-70, Nov 73 (31 ref.)

HYPOGONADISM

ETIOLOGY

[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al.
Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.) (Fre)

HYPOPHYSECTOMY

Ultrasonic hypophysectomy in acromegaly. Report of 41 cases. Arslan M.
ORL 35:134-40, 1973

HYPOPITUITARISM

ETIOLOGY

[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al.
Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.) (Fre)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

[Hypothalamic control of thyroid function] Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)

HYPOTHALAMUS

PHYSIOLOGY

[Hypothalamic control of thyroid function] Medeiros-Neto GA.
Rev Hosp Clin Fac Med Sao Paulo 28:283-91, Sep-Oct 73 (29 ref.) (Por)

MYXEDEMA

DRUG THERAPY

Thyrotoxic crisis and myxedema coma. Menendez CE, et al.
Med Clin North Am 57:1463-70, Nov 73 (31 ref.)

OXYTOCIN

SECRETION

[Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Dreifuss JJ.
J Physiol (Paris) 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)

PARATHYROID GLANDS

SURGERY

Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. Ogg CS.
Kidney Int 4:168-73, Aug 73 (56 ref.)

PINEALOMA

COMPLICATIONS

[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al.
Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.) (Fre)

PITUITARY GLAND

CYTOLOGY

Adenohypophysis: ultrastructural cytochemistry. A review. Moriarty GC.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)

PITUITARY GLAND, POSTERIOR

SECRETION

[Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Dreifuss JJ.
J Physiol (Paris) 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)

PLACENTA

METABOLISM

Placental metabolism in relation to toxicology. Juchau MR.
CRC Crit Rev Toxicol 2:125-58, Sep 73 (163 ref.)

PROLACTIN

ANALYSIS

The chemistry of growth hormone and the lactogenic hormones. Niall HD, et al.
Recent Prog Horm Res 29:387-416, 1973 (43 ref.)

PROTEIN-BOUND IODINE TEST

[Triosorb, tetrasorb and ETR--interpretation of the test results] Iino S.
Jap J Clin Med 31:1672-91, 1973 (92 ref.) (Jap)

PUBERTY

[Puberty psychoses--reality of myth?] Magnussen F.
Tidsskr Nor Laegeforen 93:1036-40, 20 May 73 (22 ref.) (Eng. Abstr.) (Nor)

PUBERTY, PRECOCIOUS

ETIOLOGY

[Endocrine manifestations of lesions of the pineal region in children] Bovier-Lapierre M, et al.
Rev Otoneuroophthalmol 45:7-16, Jan-Feb 73 (31 ref.) (Fre)

RENAL OSTEODYSTROPHY

Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Eastwood JB, et al.
Kidney Int 4:128-40, Aug 73 (60 ref.)

RENIN

BLOOD

Renin, angiotensin and hypertensive vascular damage: a review. Glese J.
Am J Med 55:315-32, Sep 73 (135 ref.)
[Serum renin activity and serum angiotensin II--interpretation of the test results] Kono T.
Jap J Clin Med 31:1532-8, 1973 (62 ref.) (Jap)

SECRETION

The control of renin release. Davis JO.
Am J Med 55:333-50, Sep 73 (117 ref.)

RICKETS

Rickets in developing countries. Oke OL.
World Rev Nutr Diet 15:86-103, 1972 (59 ref.)
[So-called rickets-like diseases in children] Sviatkina KA, et al.
Pediatrics 52:83-8, Jul 73 (Rus)

RICKETS, VITAMIN D RESISTANT

[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

SEX DETERMINATION

Studies on sex differentiation in mammals. Jost A, et al. *Recent Prog Horm Res* 29:1-41, 1973 (65 ref.)

SOMATOTROPIN

ANALYSIS

The chemistry of growth hormone and the lactogenic hormones. Niall HD, et al. *Recent Prog Horm Res* 29:387-416, 1973 (43 ref.)

BLOOD

[GH (growth hormone)--interpretation of the test results] Shizume K. *Jap J Clin Med* 31:1623-8, 1973 (43 ref.) (Jap)

TESTICULAR FEMINIZATION

THERAPY

[Testicular feminization] Bjoro K. *Tidsskr Nor Laegeforen* 93:1040-2, 20 May 73 (10 ref.) (Nor)

TESTIS

TRANSPLANTATION

[Organ transplantation in small laboratory animals] Kirpatovskif ID, et al. *Vestn Akad Med Nauk SSSR* 28:89-93, 1973 (44 ref.) (Eng. Abstr.) (Rus)

TESTOSTERONE

BLOOD

[Serum testosterone--interpretation of the test results] Ibayashi H, et al. *Jap J Clin Med* 31:1539-57, 1973 (87 ref.) (Jap)

THIOCYANATES

ADVERSE EFFECTS

Possible role of cyanide and thiocyanate in the etiology of endemic cretinism. Ermans AM, et al. *Adv Exp Med Biol* 30:455-86, 1972 (89 ref.)

THYROID CRISIS

SURGERY

Thyrotoxic crisis and myxedema coma. Menendez CE, et al. *Med Clin North Am* 57:1463-70, Nov 73 (31 ref.)

THYROID DISEASES

FAMILIAL & GENETIC

[Genetic aspects of the origin of certain thyroid gland diseases] Kalinin AP, et al. *Sov Med* 35:35-41, Jun 72 (129 ref.) (Rus)

PHYSIOPATHOLOGY

[Hypothalamic control of thyroid function] Medeiros-Neto GA. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)

THYROID GLAND

PHYSIOLOGY

[Hypothalamic control of thyroid function]

Medeiros-Neto GA. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)

SECRETION

The role of microtubules and microfilaments in thyroid secretion. Wolff J, et al. *Recent Prog Horm Res* 29:229-85, 1973 (205 ref.)

THYROID NEOPLASMS

BLOOD

[Calcitonin and its significance for the diagnosis of medullary carcinoma of the thyroid] Gautvik KM. *Tidsskr Nor Laegeforen* 93:1143-8, 30 May 73 (27 ref.) (Eng. Abstr.) (Nor)

THYROTROPIN RELEASING

HORMONE

DIAGNOSTIC USE

[TRH test--interpretation of the test results] Miyal K, et al. *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)

THYROXINE

BLOOD

[Triosorb, tetrasorb and ETR--interpretation of the test results] Iino S. *Jap J Clin Med* 31:1672-91, 1973 (92 ref.) (Jap)
[Thyroxine binding protein, free thyroxine and triiodothyronine--interpretation of the test results] Inada M. *Jap J Clin Med* 31:1692-9, 1973 (70 ref.) (Jap)

THYROXINE-BINDING PROTEIN

ANALYSIS

[Thyroxine binding protein, free thyroxine and triiodothyronine--interpretation of the test results] Inada M. *Jap J Clin Med* 31:1692-9, 1973 (70 ref.) (Jap)

TRIIODOTHYRONINE

BLOOD

[Thyroxine binding protein, free thyroxine and triiodothyronine--interpretation of the test results] Inada M. *Jap J Clin Med* 31:1692-9, 1973 (70 ref.) (Jap)

TURNER'S SYNDROME

COMPLICATIONS

Concurrence of anorexia nervosa and gonadal dysgenesis. A critical review with practical considerations. Linton EH, et al. *Arch Gen Psychiatry* 29:834-6, Dec 73 (28 ref.)

VASOPRESSIN

SECRETION

[Mechanism of neurohypophyseal hormone secretion. Cellular and subcellular aspects] Dreifuss JJ. *J Physiol (Paris)* 67:Suppl 1:5A-52, May 73 (182 ref.) (Eng. Abstr.) (Fre)

VITAMIN D DEFICIENCY

[So-called rickets-like diseases in children] Sviatkina KA, et al. *Pediatrics* 52:83-8, Jul 73 (Rus)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the sub-headings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

ASCORBIC ACID

A sensitive assay for the determination of dopamine in plasma. Christensen NJ.

Scand J Clin Lab Invest 31:343-6, May 73
S-ADENOSYLMETHIONINE/ ADULT/ AGE
FACTORS/ AGED/ ALUMINUM/ ASCORBIC
ACID/ BUFFERS/ CARBON RADIOISOTOPES/
CATECHOL METHYLTRANSFERASE/
CHROMATOGRAPHY, THIN LAYER/
*DOPAMINE, blood/ DOPAMINE, urine/
EDTA/ FEMALE/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ ION EXCHANGE/ MALE/
METHODS/ METHYLATION/ MIDDLE AGE/
SEX FACTORS/ TRITIUM/ TYRAMINE

METABOLISM

New bioassay for luteinizing hormone. Rees LH, et al.
Nature 244:232-4, 27 Jul 73

ANIMAL EXPERIMENTS/ ASCORBIC ACID,
metabolism/ *BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ CORTICOTROPIN,
analysis/ CROSS REACTIONS/
DENSITOMETRY/ FEMALE/ FSH, analysis/
GONADOTROPINS, PITUITARY, blood/
HUMAN/ IN VITRO/ *LH, analysis/ LH,
blood/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ MENOPAUSE/
METHODS/ OVARY, metabolism/ PROLACTIN,
analysis/ RADIOIMMUNOASSAY/ RATS/
SWINE/ THYROTROPIN, analysis

AUTOANALYSIS

Automated measurement of urinary iodine. Garry PJ,
et al. Clin Chem 19:950-3, Sep 73

AGE FACTORS/ ARSENIC/ AUTOANALYSIS/
CERIUM/ CHILD/ CHILD NUTRITION/
CHILD, PRESCHOOL/ COLORIMETRY/
COMPARATIVE STUDY/ DIALYSIS/
EVALUATION STUDIES/ HUMAN/
INDICATORS AND REAGENTS/ INFANT/
*IODINE, urine/ MASS SCREENING/
METHODS/ UNITED STATES

Quality control in a radioimmunoassay: observations on
the operation of a semi-automated assay for human
placental lactogen. Challand GS, et al.

Clin Chim Acta 46:133-8, 28 Jun 73
AUTOANALYSIS/ DRUG STABILITY/
EVALUATION STUDIES/ FEMALE/ HUMAN/
METHODS/ *PLACENTAL LACTOGEN, blood/
PREGNANCY/ QUALITY CONTROL/
RADIOIMMUNOASSAY/ REGRESSION
ANALYSIS/ TIME FACTORS

Work simplification of a competitive protein binding
analysis for serum thyroxine, and a study of some
laboratory factors affecting assay results. Seth J.
Clin Chim Acta 46:431-41, 27 Jul 73

AUTOANALYSIS/ BINDING, COMPETITIVE/
COMPARATIVE STUDY/ COSTS AND COST
ANALYSIS/ DRUG STABILITY/
EVALUATION STUDIES/ FREEZING/ GEL
FILTRATION/ HEMOLYSIS/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ METHODS/ PROTEIN
BINDING/ PROTEIN-BOUND IODINE TEST/

SPECTROPHOTOMETRY, ULTRAVIOLET/
TEMPERATURE/ THYROID GLAND,
metabolism/ *THYROXINE, blood/ TIME
FACTORS

Applications of artificial intelligence for chemical
inference. IX. Analysis of mixtures without prior
separation as illustrated for estrogens. Smith DH, et
al. J Am Chem Soc 95:6078-84, 5 Sep 73
AUTOANALYSIS/ CHROMATOGRAPHY, GAS/
COMPUTERS/ ESTRADIOL, analysis/
*ESTROGENS, analysis/ ESTRONE, analysis/
METHODS

The analysis of estrogenic steroids in urine by
bigb-speed liquid chromatography. Dolphin RJ.

J Chromatogr 83:421-30, 29 Aug 73
AUTOANALYSIS/ CHROMATOGRAPHY/
ESTRADIOL, urine/ ESTRONE, urine/
ESTROGENIC SUBSTANCES, CONJUGATED,
urine/ *ESTROGENS, urine/ ESTRONE, urine/
FEMALE/ HUMAN/ METHODS/ PREGNANCY/
PRESSURE/ SOLVENTS/
SPECTROPHOTOMETRY, ULTRAVIOLET

Quantitative determination of corticosteroids from
plasma by high-pressure liquid chromatography.
Wortmann W, et al. J Chromatogr 84:396-401, 26 Sep 73

*ALDOSTERONE, blood/ AUTOANALYSIS/
CHROMATOGRAPHY, GAS/ *CORTISONE,
blood/ HUMAN/ *HYDROCORTISONE, blood/
METHODS/ PRESSURE/ SOLVENTS

INSTRUMENTATION

Improved estrone determination in a continuous flow
system. Lever M, et al. Biochem Med 8:188-98, Oct 73

AUTOANALYSIS, instrumentation/ CATTLE/
CHROMATOGRAPHY, GAS/ COLORIMETRY/
COMPARATIVE STUDY/ *ESTRONE, urine/
FEMALE/ FLUOROMETRY/ GLUCOSE/
HUMAN/ INDICATORS AND REAGENTS/
IRON/ KINETICS/ MATHEMATICS/
METHODS/ PREGNANCY/ SERUM ALBUMIN,
BOVINE/ SPECTROMETRY, FLUORESCENCE/
STERIODS/ SULFATES/ SULFURIC ACIDS

BIOLOGICAL ASSAY

A simple method for the extraction and purification of
human growth hormone and its assay by paper
chromatography. Stroud SW, et al.

J Clin Endocrinol Metab 37:860-6, Dec 73
ACETONE/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY, PAPER/
ELECTROPHORESIS, DISC/ GEL
FILTRATION/ HUMAN/ METHODS/
*PITUITARY GLAND, analysis/
PRECIPITATION/ RADIOIMMUNOASSAY/
SOMATOTROPIN, analysis/ *SOMATOTROPIN,
isolation & purification

The specificity of an ovine pituitary incubation system
linked with gonadotrophin assays for detecting
gonadotrophin releasing activity. Hartley BM, et al.
J Endocrinol 58:363-75, Sep 73

ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CEREBRAL CORTEX/ EPINEPHRINE,
pharmacodynamics/ *FSH, secretion/ GEL
FILTRATION/ HYPOTHALAMUS, physiology/

METHOD SECTION

IN VITRO/ *LH, secretion/ MALE/
METHODS/ NOREPINEPHRINE,
pharmacodynamics/ OXYTOCIN,
pharmacodynamics/ PITUITARY GLAND, drug
effects/ *PITUITARY GLAND, secretion/
*PITUITARY HORMONE RELEASING
HORMONES, analysis/ RATS/ SHEEP/
STIMULATION, CHEMICAL/ TISSUE
EXTRACTS/ VASOPRESSIN, pharmacodynamics

Properties of a simplified bioassay for
adrenocorticotrophic activity using the steroidogenic
response of isolated adrenal cells. Lowry PJ, et al.
J Endocrinol 59:43-55, Oct 73

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
analysis/ ADRENAL CORTEX HORMONES,
biosynthesis/ *ADRENAL GLANDS,
metabolism/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ CELLS, CULTURED/
CORTICOSTERONE, analysis/
*CORTICOTROPIN, analysis/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FLUOROMETRY/
HUMAN/ IN VITRO/ INSULIN, analysis/
METHODS/ MSH, analysis/
PROSTAGLANDINS, analysis/ RABBITS/
RATS/ STIMULATION, CHEMICAL/ SWINE

Circulating corticotrophin levels in severe
hypopituitarism and in the neonate. Holdaway IM, et al.
Lancet 2:1170-1, 24 Nov 73

ADRENAL CORTEX HORMONES, secretion/
ADRENAL GLAND NEOPLASMS,
physiopathology/ ADULT/ ANIMAL
EXPERIMENTS/ BIOLOGICAL ASSAY/
BLOOD SPECIMEN COLLECTION/
BRONCHIAL NEOPLASMS, blood/
BRONCHIAL NEOPLASMS, metabolism/
CIRCADIAN RHYTHM/ CORTICOTROPIN,
analysis/ *CORTICOTROPIN, blood/
CORTICOTROPIN, secretion/ GUINEA PIGS/
HORMONES, ECOTOPIC, blood/ HUMAN/
*HYPOPITUITARISM, blood/ *INFANT,
NEWBORN/ METHODS/
OXIDATION-REDUCTION/ RABBITS

New bioassay for luteinizing hormone. Rees LH, et al.
Nature 244:232-4, 27 Jul 73

ANIMAL EXPERIMENTS/ ASCORBIC ACID,
metabolism/ *BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ CORTICOTROPIN,
analysis/ CROSS REACTIONS/
DENSITOMETRY/ FEMALE/ FSH, analysis/
GONADOTROPINS, PITUITARY, blood/
HUMAN/ IN VITRO/ *LH, analysis/ LH,
blood/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ MENOPAUSE/
METHODS/ OVARY, metabolism/ PROLACTIN,
analysis/ RADIOIMMUNOASSAY/ RATS/
SWINE/ THYROTROPIN, analysis

Plasma estriol in normal and preeclamptic multiple
pregnancies. Masson GM.

Obstet Gynecol 42:568-73, Oct 73

ADULT/ BIOLOGICAL ASSAY/ *ESTRIOL,
blood/ FEMALE/ HUMAN/ IMMUNE
SERUMS/ METHODS/ PREGNANCY/
*PREGNANCY, MULTIPLE/ *PREGNANCY
TOXEMIAS, blood/ PROTEIN BINDING/
PROTEINURIA, complications/ SHEEP,
immunology/ TIME FACTORS/ TRIPLETS/
TWIN

Studies on luteinizing hormone and its subunits:
development and application of a radioligand receptor
assay and properties of the hormone-receptor
interaction. Reichert LE Jr, et al.

Recent Prog Horm Res 29:497-532, 1973

ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CATTLE/ COMPARATIVE STUDY/
EVALUATION STUDIES/ FEMALE/
GONADOTROPINS, CHORIONIC/ HUMAN/
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*RECEPTORS, HORMONE/ SHEEP/ SPECIES
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BODY WEIGHT

"In vivo radioimmunoassay" of aldosterone. Vecsei P,
et al. Acta Endocrinol (Kbh) 74:307-15, Oct 73

ADRENAL GLANDS, physiology/
ADRENALECTOMY/ *ALDOSTERONE, blood/
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CARBON RADIOISOTOPES/
CORTICOSTERONE, blood/ CORTICOTROPIN,
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SHEEP, immunology/ SODIUM,
pharmacodynamics/ TIME FACTORS/ TRITIUM

CENTRIFUGATION

Isolation of a factor from human seminal plasma that
promotes fertilization. Gaur RD, et al.

Nature 244:450-2, 17 Aug 73

ANIMAL EXPERIMENTS/ CENTRIFUGATION/
CHROMATOGRAPHY, PAPER/ FEMALE/
*FERTILITY AGENTS,
isolation & purification/ *FERTILIZATION,
drug effects/ FREEZE DRYING/ GEL
FILTRATION/ HUMAN/ MALE/ METHODS/
MICE/ RATS/ *SEMEN, analysis

CENTRIFUGATION, DENSITY GRADIENT

Slowly exchangeable pool of estradiol in the rat uterus.

De Hertogh R, et al. J Steroid Biochem 4:313-20, May 73

ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ CARBON RADIOISOTOPES/
CELL NUCLEUS, metabolism/
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COMPARATIVE STUDY/ CYTOSOL,
metabolism/ ESTRADIOL, administration &
dosage/ *ESTRADIOL, blood/ ESTRADIOL,
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CHEMISTRY

High-efficiency liquid chromatography in
pharmaceutical analysis. Bailey F, et al.

J Chromatogr 83:431-7, 29 Aug 73

BETAMETHASONE, analysis/ CHEMISTRY/
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CHROMATOGRAPHY/ DRUG STABILITY/
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OINTMENTS/ PHARMACEUTIC AIDS/
PROGESTERONE, analysis/ SOLVENTS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*STEROIDS, analysis/ TABLETS

CHROMATOGRAPHY

Radioimmunoassay of melanocytes-stimulating
hormone (beta-MSH) in human plasma. Donnadieu M,
et al. Biomedicine [Express] 19:272-4, 20 Jun 73

ANIMAL EXPERIMENTS/
CHROMATOGRAPHY/ CORTICOTROPIN/
GUINEA PIGS/ HUMAN/ METHODS/ *MSH,
blood/ RADIOIMMUNOASSAY

High-efficiency liquid chromatography in
pharmaceutical analysis. Bailey F, et al.

J Chromatogr 83:431-7, 29 Aug 73

BETAMETHASONE, analysis/ CHEMISTRY/
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CHROMATOGRAPHY/ DRUG STABILITY/
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PROGESTERONE, analysis/ SOLVENTS/
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*STEROIDS, analysis/ TABLETS

METHOD SECTION

The analysis of estrogenic steroids in urine by high-speed liquid chromatography. Dolphin RJ.

J Chromatogr 83:421-30, 29 Aug 73
 AUTOANALYSIS/ CHROMATOGRAPHY/
 ESTRADIOL, urine/ ESTRIOL, urine/
 ESTROGENIC SUBSTANCES, CONJUGATED,
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 FEMALE/ HUMAN/ METHODS/ PREGNANCY/
 PRESSURE/ SOLVENTS/
 SPECTROPHOTOMETRY, ULTRAVIOLET

Unconjugated estrogens in the perinatal period. Kenny FM, et al. Pediatr Res 7:826-31, Oct 73

ADRENAL GLANDS, abnormalities/ AGE
 FACTORS/ ANENCEPHALUS, blood/ CARBON
 RADIOISOTOPES/ CHROMATOGRAPHY/
 COMPARATIVE STUDY/ CORTICOSTERONE,
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 RADIOIMMUNOASSAY/ UMBILICAL
 ARTERIES/ UMBILICAL VEINS/ VEINS

Radioimmunoassay of plasma 20

alpha-dihydroprogesterone. Florensa E, et al.
 Steroids 22:451-65, Oct 73

ADULT/ ANTIBODY SPECIFICITY/
 CHROMATOGRAPHY/ CROSS REACTIONS/
 FEMALE/ HUMAN/
 HYDROXYPROGESTERONE, blood/ MALE/
 METHODS/ PREGNANCY/ PROGESTERONE,
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 ALBUMIN, BOVINE/ TIME FACTORS/
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[Simple and rapid quantitation of epinephrine and norepinephrine by high-speed liquid chromatography (author's transl)] Merzhäuser J, et al.

Klin Wochenschr 51:883-4, 1 Sep 73 (Eng. Abstr.)
 (Ger)

ACETYLATION/ CHROMATOGRAPHY/
 ENGLISH ABSTRACT/ *EPINEPHRINE,
 analysis/ METHODS/ *NOREPINEPHRINE,
 analysis

[On the problem of plasma transport of insulin] Lenti G, et al. Minerva Med 64:2967-77, 4 Aug 73 (Ita)

CHROMATOGRAPHY/ DIABETES MELLITUS,
 blood/ ELECTROPHORESIS/ HUMAN/
 INSULIN, analysis/ INSULIN, biosynthesis/
 *INSULIN, blood/ INSULIN, physiology/
 METHODS/ PREDIABETIC STATE, blood/
 PROINSULIN, blood/ RADIOIMMUNOASSAY

CHROMATOGRAPHY, GAS

Quantitative studies on prostaglandin synthesis in man.

II. Determination of the major urinary metabolite of prostaglandins F1 alpha and F2 alpha. Hamburg M.
 Anal Biochem 55:368-78, Oct 73

CARBON RADIOISOTOPES/
 CHROMATOGRAPHY, GAS/
 CHROMATOGRAPHY, THIN LAYER/
 COMPARATIVE STUDY/ DEUTERIUM/ DRUG
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 MALE/ METHODS/ *PROSTAGLANDINS,
 urine/ SPECTRUM ANALYSIS, MASS/ TIME
 FACTORS/ TRITIUM

Trimethyl silyl ether-enol-trimethyl silyl ether--a new type of derivative for the gas phase study of bormonal steroids. Chambaz EM, et al.

Anal Chem 46:1090-8, Jun 73
 ADRENAL CORTEX HORMONES, analysis/
 CHOLESTEROL, analysis/
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 AND REAGENTS/ KETOSTEROIDS, analysis/
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 SPECTRUM ANALYSIS, MASS/ *STERIODS,
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Mass fragmentographic analysis of steroids, catecholamines, and amino acids in biological materials. Maume BF, et al.

Anal Chem 46:1073-82, Jun 73

ADRENAL GLANDS, analysis/ *AMINO ACIDS,
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 CELLS, CULTURED/ CHROMATOGRAPHY,
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 MYOCARDIUM, analysis/ PREGNANCY/
 RATS/ SPECTRUM ANALYSIS, MASS/
 *STERIODS, analysis

Computer evaluation of gas chromatographic-mass spectrometric analyses of steroids from biological materials. Reimendal R, et al.

Anal Chem 46:1083-9, Jun 73

*ANDROSTANES, analysis/ ANIMAL
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 *CHROMATOGRAPHY, GAS/ *COMPUTERS,
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 METHODS/ *PREGNANES, analysis/
 *SPECTRUM ANALYSIS, MASS/ STEROIDS,
 blood/ STEROIDS, metabolism/ STEROIDS,
 urine

Improved estriol determination in a continuous flow system. Lever M, et al. Biochem Med 8:188-98, Oct 73

AUTOANALYSIS, instrumentation/ CATTLE/
 CHROMATOGRAPHY, GAS/ COLORIMETRY/
 COMPARATIVE STUDY/ *ESTRIOL, urine/
 FEMALE/ FLUOROMETRY/ GLUCOSE/
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 BOVINE/ SPECTROMETRY, FLUORESCENCE/
 STEROIDS/ SULFATES/ SULFURIC ACIDS

Rapid estimation of oestrol in pregnancy urine by gas-liquid chromatography. Nugent DW, et al.
 Clin Chim Acta 46:201-3, 28 Jun 73

CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/
 EVALUATION STUDIES/ FEMALE/ HUMAN/
 METHODS/ *PREGNANCY/ TIME FACTORS

Applications of artificial intelligence for chemical inference. IX. Analysis of mixtures without prior separation as illustrated for estrogens. Smith DH, et al. J Am Chem Soc 95:6078-84, 5 Sep 73

AUTOANALYSIS/ CHROMATOGRAPHY, GAS/
 COMPUTERS/ ESTRADIOL, analysis/
 *ESTROGENS, analysis/ ESTRONE, analysis/
 METHODS

Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. J Anim Sci 37:728-33, Sep 73

ANIMAL EXPERIMENTS/ ANIMAL FEED/
 *ANIMAL NUTRITION/ CATTLE, metabolism/
 *CATTLE, physiology/ CHROMATOGRAPHY,
 GAS/ CHROMATOGRAPHY, THIN LAYER/
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 *PROGESTERONE, blood/ PROTEIN BINDING/
 RADIOIMMUNOASSAY/ SILAGE

Quantitative determination of corticosteroids from plasma by high-pressure liquid chromatography. Wortmann W, et al. J Chromatogr 84:396-401, 26 Sep 73

*ALDOSTERONE, blood/ AUTOANALYSIS/
 CHROMATOGRAPHY, GAS/ *CORTISONE,
 blood/ HUMAN/ *HYDROCORTISONE, blood/
 METHODS/ PRESSURE/ SOLVENTS

Detection of prostaglandin F2 alpha as pentafluorobenzyl ester by electron-capture GLC. Wickramasinghe JA, et al.

J Pharm Sci 62:1428-31, Sep 73

*BENZYL COMPOUNDS, analysis/
 CHROMATOGRAPHY, GAS/ ESTERS, analysis/
 ESTERS, chem synthesis/ FLUORINE,
 analysis/ METHODS/ *PROSTAGLANDINS,
 analysis

Progesterone levels during the oestrous cycle and pregnancy in the culs, Galea musteloides. Tam WH.
 J Reprod Fertil 35:105-14, Oct 73

ANIMAL EXPERIMENTS/ ARTERIES/

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CHROMATOGRAPHY, GAS/ CORPUS LUTEUM, analysis/ *ESTRUS/ FEMALE/ GESTATIONAL AGE/ *GUINEA PIGS, physiology/ METHODS/ PLACENTA/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ TIME FACTORS

Diurnal variations in excretion of corticosteroid metabolites in bile from male and female rats. Begue RJ, et al. *J Steroid Biochem* 4:393-400, Jul 73
ADRENAL CORTEX HORMONES, analysis/
*ADRENAL CORTEX HORMONES, metabolism/
ANIMAL EXPERIMENTS/ *BILE, metabolism/
CARBON RADIOISOTOPES/
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SPECTRUM ANALYSIS, MASS/ SULFURIC ACIDS, metabolism

Base-catalyzed silylation. A quantitative procedure for the gas chromatographic-mass spectrometric analysis of neutral steroids. Nicolsa SZ, et al.

J Steroid Biochem 4:417-25, Jul 73
ADRENAL CORTEX HORMONES, urine/
CHROMATOGRAPHY, GAS/
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SPECTRUM ANALYSIS, MASS/ *STEROIDS, urine

A rapid quantitative method for the estimation of oestriol in human pregnancy urine. Ree T van, et al.

S Afr Med J 47:1754-6, 29 Sep 73
ACETAMIDES/ ACETIC ACIDS/
CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ *ESTRIOL, urine/ FEMALE/
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*PREGNANCY/ SILICON/ SPECTRUM ANALYSIS, MASS

A modified method for the estimation of pregnanediol, pregnanetriol and seven common 17-ketosteroids in urine by gas-liquid chromatography. Qazi QH, et al. *Steroids* 22:311-25, Sep 73

ADULT/ CHROMATOGRAPHY, GAS/
FEMALE/ HUMAN/ HYDROLYSIS/
*17-KETOSTEROIDS, urine/ MALE/
METHODS/ *PREGNANEDIOL, urine/
*PREGNANETRIOL, urine/ SEX FACTORS/
SILICON/ SNAILS

[Methodological difficulties in the determination of steroid hormones by protein binding methods (author's transl)] Breuer H.

Z Klin Chem Klin Biochem 11:357-61, Aug 73 (Eng. Abstr.) (Ger)

BLOOD PROTEINS/ CHARCOAL/
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CHROMATOGRAPHY, PAPER/
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*PROGESTERONE, blood/ PROTEIN BINDING/
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RADIOIMMUNOASSAY/ SILICA/
*TESTOSTERONE, blood/ TRITIUM

[Determination of urinary testosterone in man: a comparison between two methods using gas phase chromatography and competitive protein binding analysis respectively (author's transl)] Littmann KP, et al. *Z Klin Chem Klin Biochem* 11:371-5, Sep 73 (Ger)

ADOLESCENCE/ ADULT/ AGED/
ALCOHOLISM, complications/ ALCOHOLISM, urine/ BINDING, COMPETITIVE/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, GAS/
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CHROMATOGRAPHY, ION EXCHANGE

Total plasma thyroxine concentrations in horses, pigs, cattle, and sheep: anion exchange resin chromatography and ceric-arsenite colorimetry. Sutherland RL, et al. *Am J Vet Res* 34:1261-5, Oct 73

ALBUMINS, analysis/ ANIMAL EXPERIMENTS/ ARSENIC/ *CATTLE, metabolism/ CERIUM/ *CHROMATOGRAPHY, ION EXCHANGE/ *COLORIMETRY/
*COMPARATIVE STUDY/ FEMALE/ *HORSES, metabolism/ IODINE, blood/ IODINE RADIOISOTOPES/ LYMPH, analysis/ MALE/ METHODS/ SERUM ALBUMIN, analysis/
*SHEEP, metabolism/ *SWINE, metabolism/
TESTIS/ THYROXINE, analysis/ *THYROXINE, blood/ TRIIODOTHYRONINE, blood

Separation of cyclic 3',5'-AMP from ATP, ADP, and 5'-AMP by precipitation with inorganic compounds. Chan PS, et al. *Anal Biochem* 55:16-25, Sep 73

*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, isolation & purification/
*ADENOSINE DIPHOSPHATE, isolation & purification/
*ADENOSINE MONOPHOSPHATE, isolation & purification/
*ADENOSINE TRIPHOSPHATE, isolation & purification/
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PHOSPHORUS RADIOISOTOPES/ SILVER/
SODIUM/ SOLUBILITY/ SULFATES/
TRITIUM/ ZINC

A simplified procedure for the assay of 3': 5'-cyclic AMP by the activation of liver phosphorylase. Werve G van de, et al. *Arch Int Physiol Biochim* 81:599, Sep 73

*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ ENZYME ACTIVATION/
*GLYCOGEN PHOSPHORYLASE, metabolism/
LIVER, drug effects/ *LIVER, enzymology/
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Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50. Bodley FH, et al.

Clin Chem 19:1027-30, Sep 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/
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Saturation in the competitive protein-binding assay of serum thyroxine. Cook DB, et al.

Clin Chim Acta 47:183-9, 30 Aug 73
ACRYLAMIDES/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/
EVALUATION STUDIES/ GEL FILTRATION/
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*THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS

The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73

ADULT/ ANDROSTANES, urine/
ANDROSTERONE, urine/ CHOLESTEROL, blood/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/
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- [Micromethod for separation and analysis of plasma catecholamines] Peyrin L, et al. Arch Int Physiol Biochim 80:893-906, Dec 72 (Fre)
- *CATECHOLAMINES, blood/ CATECHOLAMINES, isolation & purification/ CHROMATOGRAPHY, ION EXCHANGE/ EPINEPHRINE, analysis/ *EPINEPHRINE, blood/ EPINEPHRINE, isolation & purification/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ MICROCHEMISTRY/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, blood/ NOREPINEPHRINE, isolation & purification/ SPECTROMETRY, FLUORESCENCE
- [Extracellular cyclic nucleotides: occurrence, analysis and diagnostic significance (author's transl)] Gerhitz KD, et al. Z Klin Chem Klin Biochem 11:224-32, Jun 73 (106 ref.) (Ger)
- *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, cerebrospinal fluid/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ CHROMATOGRAPHY, ION EXCHANGE/ DIABETES INSIPIDUS, metabolism/ EXTRACELLULAR SPACE, analysis/ GLUCAGON, pharmacodynamics/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, cerebrospinal fluid/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOPARATHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ IMMUNE SERUMS/ INOSINE NUCLEOTIDES/ IODINE RADIOISOTOPES/ METHODS/ NUCLEOTIDES, CYCLIC, analysis/ PHOSPHORUS RADIOISOTOPES/ PROTEIN KINASE, metabolism/ REVIEW/ TRITIUM/ VASOPRESSIN, pharmacodynamics
- [Determination of the effective thyroxine ratio (ETR) (author's transl)] Rudorff KH, et al. Z Klin Chem Klin Biochem 11:259-62, Jun 73 (Ger)
- ACUTE DISEASE/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ FEMALE/ HEPATITIS, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE RADIOISOTOPES/ METHODS/ PREGNANCY/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS
- ### CHROMATOGRAPHY, PAPER
- Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50. Bodley FH, et al. Clin Chem 19:1027-30, Sep 73
- ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ EVALUATION STUDIES/ HYDROXYPROGESTERONE/ *IMMUNE SERUMS, isolation & purification/ METHODS/ PREGNENOLONE, analysis/ *PROGESTERONE, analysis/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM
- A sensitive radioimmunoassay for thyrotropin releasing hormone. May P, et al. Clin Chim Acta 46:371-8, 27 Jul 73
- BIPHENYL COMPOUNDS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ CROSS REACTIONS/ DIAZONIUM COMPOUNDS/ EVALUATION STUDIES/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IODINE RADIOISOTOPES/ LH-FSH RELEASING HORMONE/ METHODS/ MICROCHEMISTRY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, blood/ THYROTROPIN RELEASING HORMONE, urine/ TIME FACTORS
- Polyamide thin-layer chromatographic separation of DOPA metabolites and related compounds. Harrison SD Jr, et al. J Chromatogr 85:151-3, 10 Oct 73
- AMIDES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, metabolism/ DOPA, urine/ FLUORESCENCE/ HUMAN/ LACTATES, urine/ METHODS/ PHENYLACETATES, urine
- A simple method for the extraction and purification of human growth hormone and its assay by paper chromatography. Stroud SW, et al. J Clin Endocrinol Metab 37:880-8, Dec 73
- ACETONE/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, PAPER/ ELECTROPHORESIS, DISC/ GEL FILTRATION/ HUMAN/ METHODS/ *PITUITARY GLAND, analysis/ PRECIPITATION/ RADIOIMMUNOASSAY/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, isolation & purification
- Simplification of urinary aldosterone measurement by radioimmunoassay. Cope CL, et al. J Clin Pathol 28:628-34, Aug 73
- *ALDOSTERONE, urine/ CHROMATOGRAPHY, PAPER/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY/ TRITIUM
- Isolation of a factor from human seminal plasma that promotes fertilization. Gaur RD, et al. Nature 244:450-2, 17 Aug 73
- ANIMAL EXPERIMENTS/ CENTRIFUGATION/ CHROMATOGRAPHY, PAPER/ FEMALE/ *FERTILITY AGENTS, isolation & purification/ *FERTILIZATION, drug effects/ FREEZE DRYING/ GEL FILTRATION/ HUMAN/ MALE/ METHODS/ MICE/ RATS/ *SEMEN, analysis
- Circadian variation of the serum thyrotropin level in normal subjects. Weeke J. Scand J Clin Lab Invest 31:337-42, May 73
- ADULT/ BUFFERS/ CATTLE/ CHLORAMINES, diagnostic use/ CHROMATOGRAPHY, PAPER/ *CIRCADIAN RHYTHM/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ ISOTOPE LABELING/ MALE/ MERCURY, diagnostic use/ METHODS/ ORGANOMETALLIC COMPOUNDS, diagnostic use/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE, diagnostic use/ SULFITES, diagnostic use/ *THYROTROPIN, blood/ TIME FACTORS
- A plasma dexamethasone radioimmunoassay. Meikle AW, et al. Steroids 22:193-202, Aug 73
- ADMINISTRATION, ORAL/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, blood/ EVALUATION STUDIES/ GOATS, immunology/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM
- [Methodological difficulties in the determination of steroid hormones by protein binding methods (author's transl)] Breuer H.

METHOD SECTION

Z Klin Chem Klin Biochem 11:357-61, Aug 73 (Eng. Abstr.) (Ger)

BLOOD PROTEINS/ CHARCOAL/
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CHROMATOGRAPHY, PAPER/
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*PROGESTERONE, blood/ PROTEIN BINDING/
RABBITS, immunology/
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*TESTOSTERONE, blood/ TRITIUM

CHROMATOGRAPHY, THIN LAYER

Separation of cyclic 3',5'-AMP from ATP, ADP, and 5'-AMP by precipitation with inorganic compounds. Chan PS, et al. Anal Biochem 55:16-26, Sep 73

*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, isolation & purification/
*ADENOSINE DIPHOSPHATE, isolation & purification/
*ADENOSINE MONOPHOSPHATE, isolation & purification/
*ADENOSINE TRIPHOSPHATE, isolation & purification/
BARIUM/ CARBON RADIOISOTOPES/
CARBONATES/ CHLORIDES/
CHROMATOGRAPHY, ION EXCHANGE/
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STUDIES/ IODINE/ METHODS/ NITRATES/
PHOSPHORUS RADIOISOTOPES/ SILVER/
SODIUM/ SOLUBILITY/ SULFATES/
TRITIUM/ ZINC

Quantitative studies on prostaglandin synthesis in man. II. Determination of the major urinary metabolite of prostaglandins F1 alpha and F2 alpha. Hamberg M. Anal Biochem 55:368-78, Oct 73

CARBON RADIOISOTOPES/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DEUTERIUM/ DRUG
STABILITY/ EVALUATION STUDIES/
FEMALE/ HUMAN/ ISOTOPE LABELING/
MALE/ METHODS/ *PROSTAGLANDINS,
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FACTORS/ TRITIUM

Physical and chemical factors influencing the reliability of the assay of androgens by competitive protein binding. Rudd BT, et al.

Clin Chim Acta 47:261-8, 30 Aug 73

*ANDROGENS, blood/ ANDROSTENEDIONE,
blood/ ANDROSTENEDIONE, urine/
ANDROSTENES, blood/ ANDROSTENES,
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EVALUATION STUDIES/ FEMALE/ HUMAN/
MALE/ METHODS/ PREGNANCY/
RECEPTORS, HORMONE/ SERUM ALBUMIN,
BOVINE/ *TESTOSTERONE, blood/
TESTOSTERONE, urine/ TRITIUM

An efficient procedure for the determination of progesterone by radioimmunoassay applied to bovine peripheral plasma. Hoffmann B, et al. Horm Res 4:302-10, 1973

ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ CROSS REACTIONS/
ESTRUS/ FEMALE/ GOATS, immunology/
HYDROXYPROGESTERONE/ MALE/
METHODS/ OVULATION/ *PROGESTERONE,
blood/ RABBITS, immunology/
RADIOIMMUNOASSAY/ TIME FACTORS/
TRITIUM

The description and evaluation of a competitive protein-binding radioassay of 17alpha-hydroxyprogesterone in human plasma. Luisi M, et al. Horm Res 4:74-83, 1973

ADOLESCENCE/ ADULT/ BINDING,
COMPETITIVE/ CHROMATOGRAPHY, THIN

LAYER/ ENDOCRINE DISEASES, blood/
FEMALE/ HUMAN/
*HYDROXYPROGESTERONE, blood/ INFANT/
MALE/ MENSTRUATION/ METHODS/
PROTEIN BINDING/ SERUM GLOBULINS/
TIME FACTORS/ TRITIUM

Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. J Anim Sci 37:723-33, Sep 73

ANIMAL EXPERIMENTS/ ANIMAL FEED/
*ANIMAL NUTRITION/ CATTLE, metabolism/
*CATTLE, physiology/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, THIN LAYER/
CORN/ CORPUS LUTEUM, analysis/ CORPUS
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WEIGHT/ PROGESTERONE, analysis/
*PROGESTERONE, blood/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ SILAGE

Polyamide thin-layer chromatographic separation of DOPA metabolites and related compounds. Harrison SD Jr, et al. J Chromatogr 85:151-3, 10 Oct 73

AMIDES/ CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/ *DOPA,
metabolism/ DOPA, urine/ FLUORESCENCE/
HUMAN/ LACTATES, urine/ METHODS/
PHENYLACETATES, urine

Identification by radioimmunoassay of the luteinizing hormone-releasing hormone in human urine.

Jeffcoate SL, et al. Nature 244:161-2, 20 Jul 73

AMENORRHEA, urine/ CHROMATOGRAPHY,
THIN LAYER/ CLOMIPHENE,
pharmacodynamics/ FEMALE/ GEL
FILTRATION/ HUMAN/ *LH-FSH RELEASING
HORMONE, urine/ MALE/ METHODS/
*RADIOIMMUNOASSAY

A sensitive assay for the determination of dopamine in plasma. Christensen NJ.

Scand J Clin Lab Invest 31:343-6, May 73

S-ADENOSYLMETHIONINE/ ADULT/ AGE
FACTORS/ AGED/ ALUMINUM/ ASCORBIC
ACID/ BUFFERS/ CARBON RADIOISOTOPES/
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CONCENTRATION/ ION EXCHANGE/ MALE/
METHODS/ METHYLATION/ MIDDLE AGE/
SEX FACTORS/ TRITIUM/ TYRAMINE

Progesterone measurement using "stripped" corticosteroid binding globulin (CBG). Baranczuk R, et al. Steroids 22:273-84, Aug 73

ANIMAL EXPERIMENTS/ BINDING SITES/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ EVALUATION
STUDIES/ FEMALE/ GEL FILTRATION/
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PREGNANCY/ *PROGESTERONE, blood/
PROTEIN BINDING/ RATS/ STEROIDS/
TEMPERATURE/ *TRANSCORTIN/
TRANSCORTIN, isolation & purification/
TRITIUM

Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. Steroids 22:379-99, Sep 73

ANDROSTENEDIONE, isolation & purification/
CARBON RADIOISOTOPES/ CASTRATION/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ *CORPUS LUTEUM,
metabolism/ CRYSTALLIZATION/ ESTERS,
isolation & purification/ ESTRADIOL,
biosynthesis/ ESTRADIOL, biosynthesis/
*ESTROGENS, biosynthesis/ ESTRONE,
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*OVARY, metabolism/ OVULATION/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TESTOSTERONE, isolation & purification/
*TESTOSTERONE, metabolism

[An uncomplicated method for the determination of aldosterone excretion] Schnurr E, et al.

METHOD SECTION

Med Welt 24:889-91, 27 Apr 73 (Ger)
 *ALDOSTERONE, urine/ CHROMATOGRAPHY,
 THIN LAYER/ HUMAN/ METHODS/
 RADIOIMMUNOASSAY

[Quantitative estimation of unconjugated cortisol,
 cortisone, corticosterone, cortexone and cortexolone
 by thin-layer chromatography (author's transl)]
 Hartmann F, et al.
 Res Exp Med (Berl) 161:165-74, 22 Aug 73 (Eng.
 Abstr.) (Ger)

CHROMATOGRAPHY, THIN LAYER/
 CORTISONE, analysis/
 DESOXYCORTICOSTERONE, analysis/
 ENGLISH ABSTRACT/ *GLUCOCORTICOIDs,
 analysis/ HYDROCORTISONE, analysis/
 METHODS/ SPECTROPHOTOMETRY,
 ULTRAVIOLET

[Methodological difficulties in the determination of
 steroid hormones by protein binding methods
 (author's transl)] Breuer H.
 Z Klin Chem Klin Biochem 11:357-61, Aug 73 (Eng.
 Abstr.) (Ger)

BLOOD PROTEINS/ CHARCOAL/
 CHROMATOGRAPHY, GAS/
 CHROMATOGRAPHY, PAPER/
 CHROMATOGRAPHY, THIN LAYER/
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 IMMUNE SERUMS/ METHODS/
 *PROGESTERONE, blood/ PROTEIN BINDING/
 RABBITS, immunology/
 RADIOIMMUNOASSAY/ SILICA/
 *TESTOSTERONE, blood/ TRITIUM

[Determination of urinary testosterone in man: a
 comparison between two methods using gas phase
 chromatography and competitive protein binding
 analysis respectively (author's transl)] Littmann KP,
 et al. Z Klin Chem Klin Biochem 11:371-5, Sep 73 (Ger)
 ADOLESCENCE/ ADULT/ AGED/
 ALCOHOLISM, complications/ ALCOHOLISM,
 urine/ BINDING, COMPETITIVE/ CARBON
 RADIOISOTOPES/ CHROMATOGRAPHY, GAS/
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 CIRRHOSIS, etiology/ LIVER CIRRHOSIS,
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 PROTEIN BINDING/ PUBERTY/ RECEPTORS,
 HORMONE/ *TESTOSTERONE, urine/ TIME
 FACTORS/ TRITIUM

COLORIMETRY

Total plasma thyroxine concentrations in horses, plgs,
 cattle, and sheep: anion exchange resin
 chromatography and ceric-arsenite colorimetry.
 Sutherland RL, et al. Am J Vet Res 34:1261-5, Oct 73
 ALBUMINS, analysis/ ANIMAL
 EXPERIMENTS/ ARSENIC/ *CATTLE,
 metabolism/ CERIUM/ *CHROMATOGRAPHY,
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 *SHEEP, metabolism/ *SWINE, metabolism/
 TESTIS/ THYROXINE, analysis/ *THYROXINE,
 blood/ TRIIODOTHYRONINE, blood

Improved estrilol determination in a continuous flow
 system. Lever M, et al. Biochem Med 8:188-98, Oct 73
 AUTOANALYSIS, instrumentation/ CATTLE/
 CHROMATOGRAPHY, GAS/ COLORIMETRY/
 COMPARATIVE STUDY/ *ESTRIOL, urine/
 FEMALE/ FLUOROMETRY/ GLUCOSE/
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 METHODS/ PREGNANCY/ SERUM ALBUMIN,
 BOVINE/ SPECTROMETRY, FLUORESCENCE/
 STEROIDS/ SULFATES/ SULFURIC ACIDS

Automated measurement of urinary iodine. Garry PJ,
 et al. Clin Chem 19:950-3, Sep 73
 AGE FACTORS/ ARSENIC/ AUTOANALYSIS/

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 *IODINE, urine/ MASS SCREENING/
 METHODS/ UNITED STATES

Use of "sephadex G-15" in an improved method for
 estrogens in pregnancy urine. Quek ES, et al.
 Clin Chem 19:1204-6, Oct 73

COLORIMETRY/ ESTRIOL, urine/
 *ESTROGENS, urine/ FEMALE/ GEL
 FILTRATION/ GLUCURONIDASE/ HUMAN/
 HYDROLYSIS/ KINETICS/ MATHEMATICS/
 METHODS/ *PREGNANCY

[Investigations on the usefulness of Ittrich's method
 for the determination of total urinary estrogen during
 pregnancy (author's transl)] Ardel W, et al.
 Geburtshilfe Frauenheilkd 33:678-83, Aug 73 (Eng.
 Abstr.) (Ger)

COLORIMETRY/ ENGLISH ABSTRACT/
 *ESTROGENS, urine/ FEMALE/ HUMAN/
 METHODS/ *PLACENTA DISORDERS,
 diagnosis/ PLACENTA DISORDERS, urine/
 PREGNANCY

COMPARATIVE STUDY

Thyroid nodule autonomy: Its demonstration by the
 thyrotrophin releasing hormone (TRH) stimulation
 test. Kariberg BE.

Acta Endocrinol (Kbh) 73:689-99, Aug 73

*ADENOMA, diagnosis/ ADENOMA,
 metabolism/ ADULT/ COMPARATIVE STUDY/
 DEPRESSION, CHEMICAL/ FEMALE/
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 *THYROTROPIN RELEASING HORMONE,
 diagnostic use/ THYROXINE, blood/
 *THYROXINE, metabolism/
 TRIIODOTHYRONINE, metabolism

Diagnostic value of serum thyroxine and free thyroxine
 index. Llewendahl K, et al.

Acta Med Scand 194:341-8, Oct 73

BINDING, COMPETITIVE/ COMPARATIVE
 STUDY/ GOITER, NODULAR, blood/ HUMAN/
 *HYPERTHYROIDISM, diagnosis/
 *HYPOTHYROIDISM, diagnosis/ IODINE
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 PROTEIN-BOUND IODINE TEST/
 *THYROXINE, blood/ TRIIODOTHYRONINE,
 blood

The levodopa test of growth hormone reserve in
 children. Porter BA, et al.

Am J Dis Child 126:589-92, Nov 73

ADOLESCENCE/ ADULT/ ARGININE/ BLOOD
 SUGAR, analysis/ CHILD/ CHILD,
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 HORMONE, secretion/ THYROTROPIN, blood/
 THYROTROPIN RELEASING HORMONE,
 diagnostic use/ TIME FACTORS

Preoperative localization of abnormal parathyroid
 tissue. Cumulative experience with venous sampling
 and arteriography. Bilezikian JP, et al.

Am J Med 55:505-14, Oct 73

*ADENOMA, diagnosis/ ADENOMA, pathology/
 ANGIOGRAPHY/ BLOOD SPECIMEN
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RADIOIMMUNOASSAY/ *THYROID GLAND,
blood supply/ *VEINS

Total plasma thyroxine concentrations in horses, pigs,
cattle, and sheep: anion exchange resin
chromatography and ceric-arsenite colorimetry.
Sutherland RL, et al. *Am J Vet Res* 34:1261-5, Oct 73
ALBUMINS, analysis/ ANIMAL
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*SHEEP, metabolism/ *SWINE, metabolism/
TESTIS/ THYROXINE, analysis/ *THYROXINE,
blood/ TRIIODOTHYRONINE, blood

Separation of cyclic 3',5'-AMP from ATP, ADP, and
5'-AMP by precipitation with inorganic compounds.
Chan PS, et al. *Anal Biochem* 55:16-25, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, isolation & purification/
*ADENOSINE DIPHOSPHATE, isolation &
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TRITIUM/ ZINC

Quantitative studies on prostaglandin synthesis in man.
II. Determination of the major urinary metabolite of
prostaglandins F1 alpha and F2 alpha. Hamberg M.
Anal Biochem 55:368-78, Oct 73
CARBON RADIOISOTOPES/
CHROMATOGRAPHY, GAS/
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MALE/ METHODS/ *PROSTAGLANDINS,
urine/ SPECTRUM ANALYSIS, MASS/ TIME
FACTORS/ TRITIUM

Golgi impregnation study of a new
catecholamine-containing cell type in the toad
hypothalamus. McKenna OC, et al.
Anat Rec 177:1-13, Sep 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES,
biosynthesis/ *CATECHOLAMINES,
metabolism/ CATECHOLAMINES, secretion/
CELL MEMBRANE/ *CHROMAFFIN SYSTEM,
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Improved estril determination in a continuous flow
system. Lever M, et al. *Biochem Med* 8:188-98, Oct 73
AUTOANALYSIS, instrumentation/ CATTLE/
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BOVINE/ SPECTROMETRY, FLUORESCENCE/
STEROIDS/ SULFATES/ SULFURIC ACIDS

Radioimmunoassay of thyroxine in unextracted serum,
by a single-antibody technique. Dunn RT, et al.
Clin Chem 19:1063-6, Sep 73
ANTIBODIES/ BINDING SITES, ANTIBODY/
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STABILITY/ EVALUATION STUDIES/ HEAT/
HEMOGLOBIN/ HUMAN/ IMMUNE SERUMS/
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Automated measurement of urinary iodine. Garry PJ,
et al. *Clin Chem* 19:950-3, Sep 73
AGE FACTORS/ ARSENIC/ AUTOANALYSIS/
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INDICATORS AND REAGENTS/ INFANT/
*IODINE, urine/ MASS SCREENING/
METHODS/ UNITED STATES

Rapid radioimmunoassay of triiodothyronine. Sekadde
CB, et al. *Clin Chem* 19:1016-21, Sep 73
COMPARATIVE STUDY/ CROSS REACTIONS/
EVALUATION STUDIES/ HUMAN/
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HYPERTHYROIDISM, blood/
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THYROID GLAND, metabolism/ THYROIDITIS,
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*TRIODOTHYRONINE, blood

Saturation in the competitive protein-binding assay of
serum thyroxine. Cook DB, et al.
Clin Chim Acta 47:183-9, 30 Aug 73
ACRYLAMIDES/ CHROMATOGRAPHY, ION
EXCHANGE/ COMPARATIVE STUDY/
EVALUATION STUDIES/ GEL FILTRATION/
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PROTEIN BINDING/ RADIOIMMUNOASSAY/
*THYROXINE, blood/ *THYROXINE-BINDING
PROTEIN, analysis/ TIME FACTORS

A stable uterine binding protein preparation for the
assay of plasma oestril in pregnancy. Corns CM, et al.
Clin Chim Acta 47:203-10, 30 Aug 73
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ BINDING SITES/ CHARCOAL/
COMPARATIVE STUDY/ CYTOSOL/ DRUG
STABILITY/ ESTRADIOL, analysis/ ESTRIL,
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PROTEIN BINDING/ RECEPTORS, HORMONE/
SHEEP/ TEMPERATURE/ TIME FACTORS/
TRITIUM/ UTERUS/ UTERUS, cytology

125I-labelled cortisol-TME for competitive protein
binding. Malvano R, et al.
Clin Chim Acta 47:167-73, 30 Aug 73
BINDING, COMPETITIVE/ BINDING SITES,
ANTIBODY/ COMPARATIVE STUDY/ CROSS
REACTIONS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ESTERS/
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PROTEIN BINDING/ RADIOIMMUNOASSAY/
TRITIUM/ *TYROSINE

Factors in blood influencing the determination of
thyrotropin releasing hormone. May P, et al.
Clin Chim Acta 46:377-82, 27 Jul 73
CHARCOAL/ COMPARATIVE STUDY/
DIMERCAPROL, blood/ DRUG STABILITY/
EDTA, blood/ EVALUATION STUDIES/
GOATS, immunology/ HEPARIN, blood/
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RELEASING HORMONE, blood/
THYROTROPIN RELEASING HORMONE,
urine/ TIME FACTORS

A sensitive radioimmunoassay for thyrotropin
releasing hormone. May P, et al.
Clin Chim Acta 46:371-6, 27 Jul 73
BIPHENYL COMPOUNDS/ CATTLE/
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COMPARATIVE STUDY/ CROSS REACTIONS/
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*THYROTROPIN RELEASING HORMONE,
blood/ THYROTROPIN RELEASING
HORMONE, urine/ TIME FACTORS

Physical and chemical factors influencing the
reliability of the assay of androgens by competitive
protein binding. Rudd BT, et al.

Clin Chim Acta 47:261-8, 30 Aug 73

*ANDROGENS, blood/ ANDROSTENEDIONE,
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ANDROSTENES, blood/ ANDROSTENES,
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BOVINE/ *TESTOSTERONE, blood/
TESTOSTERONE, urine/ TRITIUM

The group separation of plasma and urinary steroids by
column chromatography on sephadex LH-20. Setcbell
KD, et al. Clin Chim Acta 47:381-8, 14 Sep 73

ADULT/ ANDROSTANES, urine/
ANDROSTERONE, urine/ CHOLESTEROL,
blood/ CHROMATOGRAPHY, ION
EXCHANGE/ COMPARATIVE STUDY/
CORTICOSTERONE, blood/
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METHODS/ PREGNANETRIOL, urine/
PROGESTERONE, blood/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*STERIODS, analysis

Work simplification of a competitive protein binding
analysis for serum thyroxine, and a study of some
laboratory factors affecting assay results. Seth J.

Clin Chim Acta 46:431-41, 27 Jul 73

AUTOANALYSIS/ BINDING, COMPETITIVE/
COMPARATIVE STUDY/ COSTS AND COST
ANALYSIS/ DRUG STABILITY/
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metabolism/ *THYROXINE, blood/ TIME
FACTORS

Work simplification of a competitive protein binding
analysis for serum thyroxine. A study of some
analytical variables affecting accuracy and precision.
Seth J. Clin Chim Acta 46:443-53, 27 Jul 73

BINDING, COMPETITIVE/ BUFFERS/
COMPARATIVE STUDY/ DRUG STABILITY/
EDTA/ EVALUATION STUDIES/ GEL
FILTRATION/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INDICATORS AND
REAGENTS/ IODINE RADIOISOTOPES/
METHODS/ OSMOLAR CONCENTRATION/
PROTEIN BINDING/ SALICYLATES/ SERUM
ALBUMIN/ SOLVENTS/ *THYROXINE, blood/
TIME FACTORS

Radioimmunoassay for human pituitary prolactin,
using antiserum against an extract of human amniotic
fluid. Cole EN, et al. Horm Res 4:261-73, 1973

*AMNIOTIC FLUID, immunology/ BINDING
SITES, ANTIBODY/ CHLORPROMAZINE,

pharmacodynamics/ COMPARATIVE STUDY/
CROSS REACTIONS/ EVALUATION STUDIES/
FEMALE/ FSH/ GONADOTROPINS,
CHORIONIC/ HUMAN/ HYPOPHYSECTOMY/
IODINE RADIOISOTOPES/ LH/ MALE/
METHODS/ PITUITARY GLAND, drug effects/
PITUITARY GLAND, physiology/
PREGNANCY/ *PROLACTIN, blood/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
SOMATOTROPIN/ SPECIES SPECIFICITY/
THYROTROPIN

An efficient procedure for the determination of
progesterone by radioimmunoassay applied to bovine
peripheral plasma. Hoffmann B, et al.

Horm Res 4:302-10, 1973

ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ CROSS REACTIONS/
ESTRUS/ FEMALE/ GOATS, immunology/
HYDROXYPROGESTERONE/ MALE/
METHODS/ OVULATION/ *PROGESTERONE,
blood/ RABBITS, immunology/
RADIOIMMUNOASSAY/ TIME FACTORS/
TRITIUM

Ultrastructural immunocytochemistry with unlabeled
antibodies and the peroxidase-antiperoxidase
complex. A technique more sensitive than
radioimmunoassay. Moriarty GC, et al.

J Histochem Cytochem 21:825-33, Sep 73

ANIMAL EXPERIMENTS/ *ANTIBODIES/
COMPARATIVE STUDY/ *CORTICOTROPIN,
analysis/ EVALUATION STUDIES/
HISTOCYTOCHEMISTRY/ IMMUNE SERUMS/
MALE/ METHODS/ MICROSCOPY,
ELECTRON/ *PEROXIDASES/ PITUITARY
GLAND, analysis/ *PITUITARY GLAND,
cytology/ PITUITARY GLAND, enzymology/
RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ STAINS AND
STAINING

Slowly exchangeable pool of estradiol in the rat uterus.
De Hertogh R, et al. J Steroid Biochem 4:313-20, May 73

ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ CARBON RADIOISOTOPES/
CELL NUCLEUS, metabolism/
CENTRIFUGATION, DENSITY GRADIENT/
COMPARATIVE STUDY/ CYTOSOL,
metabolism/ ESTRADIOL, administration &
dosage/ *ESTRADIOL, blood/ ESTRADIOL,
metabolism/ EVALUATION STUDIES/
FEMALE/ INJECTIONS, INTRAVENOUS/
ISOTOPE LABELING/ METHODS/ RATS/
RECEPTORS, HORMONE/ SUBCELLULAR
FRACTIONS, metabolism/ TIME FACTORS/
TRITIUM/ UTERUS, cytology/ *UTERUS,
metabolism

Rapid radioimmunoassay of oestradiol-17 beta using
computer calculation. Exley D, et al.

J Steroid Biochem 4:257-70, May 73

BINDING SITES, ANTIBODY/ COMPARATIVE
STUDY/ COMPUTERS, DIGITAL/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*ESTRADIOL, blood/ EVALUATION STUDIES/
IMMUNE SERUMS/ MATHEMATICS/
METHODS/ POLYSTYRENES/
RADIOIMMUNOASSAY/ TIME FACTORS/
TRITIUM

New bioassay for luteinizing hormone. Rees LH, et al.

Nature 244:232-4, 27 Jul 73

ANIMAL EXPERIMENTS/ ASCORBIC ACID,
metabolism/ *BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ CORTICOTROPIN,
analysis/ CROSS REACTIONS/
DENSITOMETRY/ FEMALE/ FSH, analysis/
GONADOTROPINS, PITUITARY, blood/
HUMAN/ IN VITRO/ *LH, analysis/ LH,
blood/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ MENOPAUSE/
METHODS/ OVARY, metabolism/ PROLACTIN,
analysis/ RADIOIMMUNOASSAY/ RATS/
SWINE/ THYROTROPIN, analysis

Unconjugated estrogens in the perinatal period. Kenny
FM, et al. Pediatr Res 7:826-31, Oct 73

ADRENAL GLANDS, abnormalities/ AGE

METHOD SECTION

FACTORS/ ANENCEPHALUS, blood/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY/
COMPARATIVE STUDY/ CORTICOSTERONE,
blood/ *ESTRADIOL, blood/ *ESTRONE,
blood/ FEMALE/ HUMAN/
HYDROCORTISONE, blood/ INFANT,
NEWBORN/ MALE/ *MATERNAL-FETAL
EXCHANGE/ METHODS/ PREGNANCY/
RADIOIMMUNOASSAY/ UMBILICAL
ARTERIES/ UMBILICAL VEINS/ VEINS

Studies on luteinizing hormone and its subunits:
development and application of a radioligand receptor
assay and properties of the hormone-receptor
interaction. Reichert LE Jr, et al.

Recent Prog Horm Res 29:497-532, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CATTLE/ COMPARATIVE STUDY/
EVALUATION STUDIES/ FEMALE/
GONADOTROPINS, CHORIONIC/ HUMAN/
HYDROGEN-ION CONCENTRATION/ IODINE
RADIOISOTOPES/ ISOTOPE LABELING/
LEYDIG CELLS, metabolism/ *LH, analysis/
LH, metabolism/ MALE/ METHODS/ MODELS,
BIOLOGICAL/ RADIOLIGAND ASSAY/ RATS/
*RECEPTORS, HORMONE/ SHEEP/ SPECIES
SPECIFICITY/ TESTIS

A rapid quantitative method for the estimation of
oestriol in human pregnancy urine. Ree T van, et al.
S Afr Med J 47:1754-6, 29 Sep 73

ACETAMIDES/ ACETIC ACIDS/
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ *ESTRIOL, urine/ FEMALE/
HUMAN/ HYDROCHLORIC ACID/
HYDROLYSIS/ METHANE/ METHODS/
*PREGNANCY/ SILICON/ SPECTRUM
ANALYSIS, MASS

"Big" growth hormone components from human
plasma: decreased reactivity demonstrated by
radioreceptor assay. Gordon P, et al.
Science 182:829-31, 23 Nov 73

ACROMEGALY, blood/ BINDING SITES/
COMPARATIVE STUDY/ GEL FILTRATION/
HUMAN/ IODINE RADIOISOTOPES/
LYMPHOCYTES, metabolism/ METHODS/
MOLECULAR WEIGHT/
*RADIOIMMUNOASSAY/ *RADIOLIGAND
ASSAY/ *SOMATOTROPIN, blood

Progesterone measurement using "stripped"
corticosteroid binding globulin (CBG). Baranczuk R,
et al. Steroids 22:273-84, Aug 73

ANIMAL EXPERIMENTS/ BINDING SITES/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ EVALUATION
STUDIES/ FEMALE/ GEL FILTRATION/
HAMSTERS/ HUMAN/ MALE/ METHODS/
PREGNANCY/ *PROGESTERONE, blood/
PROTEIN BINDING/ RATS/ STEROIDS/
TEMPERATURE/ *TRANSCORTIN/
TRANSCORTIN, isolation & purification/
TRITIUM

Estrogen biosynthesis from testosterone-4-14C by
post-ovulatory human ovaries. Comparison between
the corpus-luteum ovary and its partner. Smith OW, et
al. Steroids 22:379-89, Sep 73

ANDROSTENEDIONE, isolation & purification/
CARBON RADIOISOTOPES/ CASTRATION/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ *CORPUS LUTEUM,
metabolism/ CRYSTALLIZATION/ ESTERS,
isolation & purification/ ESTRADIOL,
biosynthesis/ ESTRIOL, biosynthesis/
*ESTROGENS, biosynthesis/ ESTRONE,
biosynthesis/ FEMALE/ HUMAN/
HYDROXYSTEROIDS, isolation & purification/
IN VITRO/ METHODS/ ORGAN WEIGHT/
*OVARY, metabolism/ OVULATION/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TESTOSTERONE, isolation & purification/
*TESTOSTERONE, metabolism

[Use of an early test for pregnancy by determining
progesterone in peripheral blood of the ewe]
Saumande J, et al.

Ann Biol Anim Biochim Biophys 12:661-5, 1972 (Eng.
Abstr.) (Fre)

ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ COMPARATIVE STUDY/
ENDOSCOPY/ ENGLISH ABSTRACT/
ESTRUS/ EVALUATION STUDIES/ FEMALE/
INSEMINATION, ARTIFICIAL/ METHODS/
OVARY, physiology/ PLASMA, analysis/
PREGNANCY/ *PREGNANCY TESTS/
*PROGESTERONE, blood/ PROTEIN BINDING/
SHEEP/ TIME FACTORS/ TRITIUM

[Methodological difficulties in the determination of
steroid hormones by protein binding methods
(author's transl)] Breuer H.

Z Klin Chem Klin Biochem 11:357-61, Aug 73 (Eng.
Abstr.) (Ger)

BLOOD PROTEINS/ CHARCOAL/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DEXTRAN/
ENGLISH ABSTRACT/ EVALUATION
STUDIES/ *HYDROCORTISONE, blood/
IMMUNE SERUMS/ METHODS/
*PROGESTERONE, blood/ PROTEIN BINDING/
RABBITS, immunology/
RADIOIMMUNOASSAY/ SILICA/
*TESTOSTERONE, blood/ TRITIUM

[Improvement and quality control of the
radioimmunological TSH determination (author's
transl)] Erhardt F, et al.

Z Klin Chem Klin Biochem 11:381-7, Sep 73 (Ger)
BINDING SITES, ANTIBODY/ COMPARATIVE
STUDY/ EVALUATION STUDIES/ GEL
FILTRATION/ HUMAN/ IODINE
RADIOISOTOPES/ KINETICS/ METHODS/
PERISSODACTYLA, immunology/ PROTEIN
BINDING/ QUALITY CONTROL/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
TEMPERATURE/ *THYROTROPIN, blood/
TIME FACTORS

[Rapid radioimmunoassay for the measurement of
triiodothyronine in serum without extraction
(author's transl)] Hilger P, et al.

Z Klin Chem Klin Biochem 11:323-5, Aug 73 (Eng.
Abstr.) (Ger)

AGED/ AGING/ ANILINO
NAPHTHALENESULFONATES/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ EVALUATION STUDIES/
HUMAN/ HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ METHODS/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ TIME
FACTORS/ *TRIIODOTHYRONINE, blood

[Determination of urinary testosterone in man: a
comparison between two methods using gas phase
chromatography and competitive protein binding
analysis respectively (author's transl)] Littmann KP,
et al. Z Klin Chem Klin Biochem 11:371-5, Sep 73 (Ger)

ADOLESCENCE/ ADULT/ AGED/
ALCOHOLISM, complications/ ALCOHOLISM,
urine/ BINDING, COMPETITIVE/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ EVALUATION
STUDIES/ FEMALE/ GONADOTROPINS,
CHORIONIC/ HIRSUTISM, urine/ HUMAN/
LEYDIG CELLS, metabolism/ LIVER
CIRRHOSIS, etiology/ LIVER CIRRHOSIS,
urine/ MALE/ METHODS/ MIDDLE AGE/
PROTEIN BINDING/ PUBERTY/ RECEPTORS,
HORMONE/ *TESTOSTERONE, urine/ TIME
FACTORS/ TRITIUM

[Determination of the effective thyroxine ratio (ETR)
(author's transl)] Rudorff KH, et al.

Z Klin Chem Klin Biochem 11:259-62, Jun 73 (Ger)
ACUTE DISEASE/ CHROMATOGRAPHY, ION
EXCHANGE/ COMPARATIVE STUDY/
CONTRACEPTIVES, ORAL/ COSTS AND
COST ANALYSIS/ EVALUATION STUDIES/
FEMALE/ HEPATITIS, blood/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ METHODS/ PREGNANCY/
*THYROID GLAND FUNCTION TESTS/

METHOD SECTION

*THYROXINE, blood/ THYROXINE-BINDING
PROTEIN, analysis/ TIME FACTORS

DENSITOMETRY

New bioassay for lutelizing hormone. Rees LH, et al.
Nature 244:232-4, 27 Jul 73

ANIMAL EXPERIMENTS/ ASCORBIC ACID,
metabolism/ *BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ CORTICOTROPIN,
analysis/ CROSS REACTIONS/
DENSITOMETRY/ FEMALE/ FSH, analysis/
GONADOTROPINS, PITUITARY, blood/
HUMAN/ IN VITRO/ *LH, analysis/ LH,
blood/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ MENOPAUSE/
METHODS/ OVARY, metabolism/ PROLACTIN,
analysis/ RADIOIMMUNOASSAY/ RATS/
SWINE/ THYROTROPIN, analysis

DENSITOMETRY, X-RAY

The use of photon absorptiometry in the diagnosis of
renal osteodystrophy. Griffiths HJ, et al.

Radiology 109:277-81, Nov 73

ABSORPTION/ ADOLESCENCE/ ADULT/
AGED/ BONE AND BONES, analysis/
CALCIUM, analysis/ *DENSITOMETRY,
X-RAY/ FEMALE/ HEMODIALYSIS/ HUMAN/
IODINE RADIOISOTOPES/ KIDNEY,
transplantation/ KIDNEY DISEASES,
complications/ KIDNEY DISEASES,
occurrence/ KIDNEY FAILURE, ACUTE,
etiology/ KIDNEY FAILURE, ACUTE,
pathology/ KIDNEY FAILURE, CHRONIC,
therapy/ KIDNEY FAILURE, CHRONIC,
etiology/ KIDNEY FAILURE, CHRONIC,
pathology/ KIDNEY FAILURE, CHRONIC,
therapy/ LIGHT/ MALE/ METHODS/ MIDDLE
AGE/ MINERALS, analysis/ PHOSPHATES,
analysis/ RADIOISOTOPE SCANNING/ RENAL
OSTEODYSTROPHY, diagnosis/ *RENAL
OSTEODYSTROPHY, radiography/ TIME
FACTORS/ TRANSPLANTATION,
HOMOLOGOUS/ UNITED STATES/ UREMIA,
complications/ UREMIA, pathology

DIAGNOSIS, DIFFERENTIAL

Preoperative localization of abnormal parathyroid
tissue. Cumulative experience with venous sampling
and arteriography. Bilezikian JP, et al.

Am J Med 55:505-14, Oct 73

*ADENOMA, diagnosis/ ADENOMA, pathology/
ANGIOGRAPHY/ BLOOD SPECIMEN
COLLECTION/ CATHETERIZATION/
COMPARATIVE STUDY/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/
HYPERPARATHYROIDISM, blood/
*HYPERPARATHYROIDISM, diagnosis/
HYPERPLASIA, diagnosis/ HYPERPLASIA,
pathology/ METHODS/ PARATHYROID
GLANDS, pathology/ *PARATHYROID
HORMONE, blood/ *PARATHYROID
NEOPLASMS, diagnosis/ PHLEBOGRAPHY/
RADIOIMMUNOASSAY/ *THYROID GLAND,
blood supply/ *VEINS

Parathyroid dysfunction, parathyroid hormone assay,
and the surgeon. Sblimkin PM, et al.

Am J Surg 126:534-8, Oct 73

*ADENOMA, diagnosis/ ADENOMA, surgery/
BLOOD SPECIMEN COLLECTION/
CATHETERIZATION/ DIAGNOSIS,
DIFFERENTIAL/ *HYPERCALCEMIA, etiology/
*HYPERPARATHYROIDISM, diagnosis/
HYPERPARATHYROIDISM, surgery/
METHODS/ PARATHYROID GLANDS, blood
supply/ *PARATHYROID HORMONE, blood/
*PARATHYROID NEOPLASMS, diagnosis/
PARATHYROID NEOPLASMS, surgery/
RADIOIMMUNOASSAY/ THYROID GLAND,
blood supply/ VEINS

[Clinical significance of serum triiodothyronine]
Zurcher H, et al.

Schweiz Med Wochenschr 103:1710-3, 1 Dec 73 (Eng.
Abstr.) (Fre)

ARRHYTHMIA, blood/ DIAGNOSIS,
DIFFERENTIAL/ ENGLISH ABSTRACT/

GOITER, blood/ GOITER, EXOPHTHALMIC,
blood/ GOITER, NODULAR, blood/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ METHODS/
PROTEIN BINDING/ PROTEIN-BOUND
IODINE TEST/ *TRIIODOTHYRONINE, blood

DIALYSIS

Automated measurement of urinary iodine. Garry PJ,
et al. Clin Chem 19:950-3, Sep 73

AGE FACTORS/ ARSENIC/ AUTOANALYSIS/
CERUM/ CHILD/ CHILD NUTRITION/
CHILD, PRESCHOOL/ COLORIMETRY/
COMPARATIVE STUDY/ DIALYSIS/
EVALUATION STUDIES/ HUMAN/
INDICATORS AND REAGENTS/ INFANT/
*IODINE, urine/ MASS SCREENING/
METHODS/ UNITED STATES

ELECTROPHORESIS

Separation of antibody-bound and free 125I-labelled
beta-melanocyte-stimulating hormone. Plummer NA,
et al. J Endocrinol 59:197-8, Oct 73

ANTIBODIES/ ANTIGEN-ANTIBODY
COMPLEX, isolation & purification/
ELECTROPHORESIS/ HUMAN/ IODINE
RADIOISOTOPES/ METHODS/ *MSH, isolation
& purification/ PROTEIN BINDING/
RADIOIMMUNOASSAY

[On the problem of plasma transport of insulin] Lenti
G, et al. Minerva Med 64:2967-77, 4 Aug 73 (Ita)

CHROMATOGRAPHY/ DIABETES MELLITUS,
blood/ ELECTROPHORESIS/ HUMAN/
INSULIN, analysis/ INSULIN, biosynthesis/
*INSULIN, blood/ INSULIN, physiology/
METHODS/ PREDIABETIC STATE, blood/
PROINSULIN, blood/ RADIOIMMUNOASSAY

ELECTROPHORESIS, DISC

Separation of some pituitary proteohormones by
disc-electrophoresis. Knopp J, et al.

Endocrinol Exp (Bratisl) 7:203-6, Sep 73

ANIMAL EXPERIMENTS/ CATTLE/
*CORTICOTROPIN, isolation & purification/
*ELECTROPHORESIS, DISC/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ FSH, isolation & purification/ IODINE
RADIOISOTOPES/ LH,
isolation & purification/ MALE/ METHODS/
PITUITARY GLAND, analysis/ *PITUITARY
HORMONES, ANTERIOR, isolation &
purification/ RATS/ SOMATOTROPIN, isolation
& purification/ THYROTROPIN, isolation &
purification

A simple method for the extraction and purification of
human growth hormone and its assay by paper
chromatography. Stroud SW, et al.

J Clin Endocrinol Metab 37:860-6, Dec 73

ACETONE/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY, PAPER/
ELECTROPHORESIS, DISC/ GEL
FILTRATION/ HUMAN/ METHODS/
*PITUITARY GLAND, analysis/
PRECIPITATION/ RADIOIMMUNOASSAY/
SOMATOTROPIN, analysis/ *SOMATOTROPIN,
isolation & purification

ELECTROPHORESIS,

POLYACRYLAMIDE GEL

Separation of some pituitary proteohormones by
disc-electrophoresis. Knopp J, et al.

Endocrinol Exp (Bratisl) 7:203-6, Sep 73

ANIMAL EXPERIMENTS/ CATTLE/
*CORTICOTROPIN, isolation & purification/
*ELECTROPHORESIS, DISC/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ FSH, isolation & purification/ IODINE
RADIOISOTOPES/ LH,
isolation & purification/ MALE/ METHODS/
PITUITARY GLAND, analysis/ *PITUITARY
HORMONES, ANTERIOR, isolation &
purification/ RATS/ SOMATOTROPIN, isolation

METHOD SECTION

& purification/ THYROTROPIN, isolation & purification

FLUORESCENCE

A sensitive method for determination of 5-S-cysteinylidopa. Rorsman H, et al. *Acta Derm Venereol* (Stockh) 53:248-50, 1973
ANIMAL EXPERIMENTS/ CYSTEINE, analysis/ *DOPA, analysis/ FLUORESCENCE/ FLUOROMETRY/ HYDROGEN-ION CONCENTRATION/ METHODS/ MICE/ OXIDATION-REDUCTION

Polyamide thin-layer chromatographic separation of DOPA metabolites and related compounds. Harrison SD Jr, et al. *J Chromatogr* 85:151-3, 10 Oct 73
AMIDES/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *DOPA, metabolism/ DOPA, urine/ FLUORESCENCE/ HUMAN/ LACTATES, urine/ METHODS/ PHENYLACETATES, urine

FLUOROMETRY

A sensitive method for determination of 5-S-cysteinylidopa. Rorsman H, et al. *Acta Derm Venereol* (Stockh) 53:248-50, 1973
ANIMAL EXPERIMENTS/ CYSTEINE, analysis/ *DOPA, analysis/ FLUORESCENCE/ FLUOROMETRY/ HYDROGEN-ION CONCENTRATION/ METHODS/ MICE/ OXIDATION-REDUCTION

Improved estriol determination in a continuous flow system. Lever M, et al. *Biochem Med* 8:188-98, Oct 73
AUTOANALYSIS, instrumentation/ CATTLE/ CHROMATOGRAPHY, GAS/ COLORIMETRY/ COMPARATIVE STUDY/ *ESTRIOL, urine/ FEMALE/ FLUOROMETRY/ GLUCOSE/ HUMAN/ INDICATORS AND REAGENTS/ IRON/ KINETICS/ MATHEMATICS/ METHODS/ PREGNANCY/ SERUM ALBUMIN, BOVINE/ SPECTROMETRY, FLUORESCENCE/ STEROIDS/ SULFATES/ SULFURIC ACIDS

Properties of a simplified bioassay for adrenocorticotrophic activity using the steroidogenic response of isolated adrenal cells. Lowry PJ, et al. *J Endocrinol* 59:43-55, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELLS, CULTURED/ CORTICOSTERONE, analysis/ *CORTICOTROPIN, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUOROMETRY/ HUMAN/ IN VITRO/ INSULIN, analysis/ METHODS/ MSH, analysis/ PROTAGLANDINS, analysis/ RABBITS/ RATS/ STIMULATION, CHEMICAL/ SWINE

GEL FILTRATION

The simultaneous assay of cortisol and 17alpha-hydroxyprogesterone in the plasma of patients with congenital adrenal hyperplasia. Pham-Huu-Trung MT, et al. *Acta Endocrinol* (Kbh) 74:316-30, Oct 73
ADOLESCENCE/ *ADRENAL GLAND HYPERFUNCTION, blood/ ADRENAL GLAND HYPERFUNCTION, drug therapy/ ADRENAL GLAND HYPERFUNCTION, enzymology/ ADULT/ BINDING, COMPETITIVE/ CHILD/ CHILD, PRESCHOOL/ CIRCADIAN RHYTHM/ CORTICOTROPIN, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, therapeutic use/ HYDROXYLASES, metabolism/ *HYDROXYPROGESTERONE, blood/ INFANT/ INFANT, NEWBORN/ MALE/ *METABOLISM, INBORN ERRORS, blood/ METABOLISM, INBORN ERRORS, drug therapy/ METABOLISM, INBORN ERRORS, enzymology/ METHODS/ PROTEIN BINDING

Use of "sephadex G-15" in an improved method for estrogens in pregnancy urine. Quek ES, et al. *Clin Chem* 19:1204-6, Oct 73

COLORIMETRY/ ESTRIOL, urine/ *ESTROGENS, urine/ FEMALE/ GEL FILTRATION/ GLUCURONIDASE/ HUMAN/ HYDROLYSIS/ KINETICS/ MATHEMATICS/ METHODS/ *PREGNANCY

Saturation in the competitive protein-binding assay of serum thyroxine. Cook DB, et al. *Clin Chim Acta* 47:183-9, 30 Aug 73
ACRYLAMIDES/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ IODINE RADIOISOTOPES/ KINETICS/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS

Repeated purifications of (125I)HGH for radioimmunoassay. Keret R, et al. *Clin Chim Acta* 47:21-6, 17 Aug 73
EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ IODINE RADIOISOTOPES/ ISOTOPE LABELING/ METHODS/ RADIOIMMUNOASSAY/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, isolation & purification/ TIME FACTORS

A sensitive radioimmunoassay for thyrotropin releasing hormone. May P, et al. *Clin Chim Acta* 46:371-6, 27 Jul 73
BIPHENYL COMPOUNDS/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ CROSS REACTIONS/ DIAZONIUM COMPOUNDS/ EVALUATION STUDIES/ GEL FILTRATION/ GOATS, immunology/ HUMAN/ IODINE RADIOISOTOPES/ LH-FSH RELEASING HORMONE/ METHODS/ MICROCHEMISTRY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, blood/ THYROTROPIN RELEASING HORMONE, urine/ TIME FACTORS

The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setcbell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73
ADULT/ ANDROSTANES, urine/ ANDROSTERONE, urine/ CHOLESTEROL, blood/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ CORTICOSTERONE, urine/ CORTISONE, blood/ ETIOCHOLANOLONE, urine/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ HYDROXYPROGESTERONE, blood/ MALE/ METHODS/ PREGNANETRIOL, urine/ PROGESTERONE, blood/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STEROIDS, analysis

Work simplification of a competitive protein binding analysis for serum thyroxine. A study of some analytical variables affecting accuracy and precision. Setb J. *Clin Chim Acta* 46:443-53, 27 Jul 73
BINDING, COMPETITIVE/ BUFFERS/ COMPARATIVE STUDY/ DRUG STABILITY/ EDTA/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ IODINE RADIOISOTOPES/ METHODS/ OSMOLAR CONCENTRATION/ PROTEIN BINDING/ SALICYLATES/ SERUM ALBUMIN/ SOLVENTS/ *THYROXINE, blood/ TIME FACTORS

Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some laboratory factors affecting assay results. Setb J. *Clin Chim Acta* 46:431-41, 27 Jul 73
AUTOANALYSIS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ DRUG STABILITY/ EVALUATION STUDIES/ FREEZING/ GEL FILTRATION/ HEMOLYSIS/ HUMAN/ HYPERTHYROIDISM, blood/

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TEMPERATURE/ THYROID GLAND,
metabolism/ *THYROXINE, blood/ TIME
FACTORS

The use of solid phase method of radioimmunoassay for
FSH and LH in the study of amenorrhea. Crosignani
PG. *Endocrinol Exp (Bratisl)* 7:193-201, Sep 73
ADOLESCENCE/ ADULT/ *AMENORRHEA,
blood/ CIRCADIAN RHYTHM/ CLOMIPHENE,
therapeutic use/ FEMALE/ *FSH, blood/ GEL
FILTRATION/ HUMAN/ IODINE
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*RADIOIMMUNOASSAY/ STEIN-LEVENTHAL
SYNDROME, blood/ STEIN-LEVENTHAL
SYNDROME, drug therapy/ TIME FACTORS/
TURNER'S SYNDROME, blood

Radioimmunoassay of arginine vasopressin in human
plasma. Husain MK, et al.

J Clin Endocrinol Metab 37:816-25, Oct 73
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DIURESIS, drug effects/ DRINKING/
FASTING/ GEL FILTRATION/ HUMAN/
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*RADIOIMMUNOASSAY/ RATS/ SMOKING/
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*VASOPRESSIN, blood/ WATER
DEPRIVATION

A simple method for the extraction and purification of
human growth hormone and its assay by paper
chromatography. Stroud SW, et al.

J Clin Endocrinol Metab 37:860-6, Dec 73
ACETONE/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY, PAPER/
ELECTROPHORESIS, DISC/ GEL
FILTRATION/ HUMAN/ METHODS/
*PITUITARY GLAND, analysis/
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SOMATOTROPIN, analysis/ *SOMATOTROPIN,
isolation & purification

The specificity of an ovine pituitary incubation system
linked with gonadotrophin assays for detecting
gonadotrophin releasing activity. Hartley BM, et al.

J Endocrinol 58:363-75, Sep 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CEREBRAL CORTEX/ EPINEPHRINE,
pharmacodynamics/ *FSH, secretion/ GEL
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METHODS/ NOREPINEPHRINE,
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pharmacodynamics/ PITUITARY GLAND, drug
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*PITUITARY HORMONE RELEASING
HORMONES, analysis/ RATS/ SHEEP/
STIMULATION, CHEMICAL/ TISSUE
EXTRACTS/ VASOPRESSIN, pharmacodynamics

Isolation of a factor from human seminal plasma that
promotes fertilization. Gaur RD, et al.

Nature 244:450-2, 17 Aug 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION/
CHROMATOGRAPHY, PAPER/ FEMALE/
*FERTILITY AGENTS,
isolation & purification/ *FERTILIZATION,
drug effects/ FREEZE DRYING/ GEL
FILTRATION/ HUMAN/ MALE/ METHODS/
MICE/ RATS/ *SEMEN, analysis

Identification by radioimmunoassay of the luteinizing
hormone-releasing hormone in human urine.

Jeffcoate SL, et al. *Nature* 244:161-2, 20 Jul 73
AMENORRHEA, urine/ CHROMATOGRAPHY,
THIN LAYER/ CLOMIPHENE,
pharmacodynamics/ FEMALE/ GEL
FILTRATION/ HUMAN/ *LH-FSH RELEASING
HORMONE, urine/ MALE/ METHODS/
*RADIOIMMUNOASSAY

Circadian variation of the serum thyrotropin level in
normal subjects. Weeke J.

Scand J Clin Lab Invest 31:337-42, May 73
ADULT/ BUFFERS/ CATTLE/
CHLORAMINES, diagnostic use/
CHROMATOGRAPHY, PAPER/ *CIRCADIAN
RHYTHM/ FEMALE/ GEL FILTRATION/
HUMAN/ IMMUNE SERUMS/ IODINE
RADIOISOTOPES/ ISOTOPE LABELING/
MALE/ MERCURY, diagnostic use/ METHODS/
ORGANOMETALLIC COMPOUNDS, diagnostic
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RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE, diagnostic use/ SULFITES, diagnostic
use/ *THYROTROPIN, blood/ TIME FACTORS

"B_{lg}" growth hormone components from human
plasma: decreased reactivity demonstrated by
radioreceptor assay. Gordon P, et al.

Science 182:829-31, 23 Nov 73
ACROMEGALY, blood/ BINDING SITES/
COMPARATIVE STUDY/ GEL FILTRATION/
HUMAN/ IODINE RADIOISOTOPES/
LYMPHOCYTES, metabolism/ METHODS/
MOLECULAR WEIGHT/
*RADIOIMMUNOASSAY/ *RADIOLIGAND
ASSAY/ *SOMATOTROPIN, blood

Progesterone measurement using "stripped"
corticosteroid binding globulin (CBG). Baranczuk R,
et al. *Steroids* 22:273-84, Aug 73

ANIMAL EXPERIMENTS/ BINDING SITES/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ EVALUATION
STUDIES/ FEMALE/ GEL FILTRATION/
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PROTEIN BINDING/ RATS/ STEROIDS/
TEMPERATURE/ *TRANSCORTIN/
TRITUM

[Improvement and quality control of the
radioimmunological TSH determination (author's
transl)] Erhardt F, et al.

Z Klin Chem Klin Biochem 11:381-7, Sep 73 (Ger)
BINDING SITES, ANTIBODY/ COMPARATIVE
STUDY/ EVALUATION STUDIES/ GEL
FILTRATION/ HUMAN/ IODINE
RADIOISOTOPES/ KINETICS/ METHODS/
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immunology/ RADIOIMMUNOASSAY/
TEMPERATURE/ *THYROTROPIN, blood/
TIME FACTORS

HISTOCYTOCHEMISTRY

Ultrastructural immunocytochemistry with unlabeled
antibodies and the peroxidase-antiperoxidase
complex. A technique more sensitive than
radioimmunoassay. Moriarty GC, et al.

J Histochem Cytochem 21:825-33, Sep 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/
COMPARATIVE STUDY/ *CORTICOTROPIN,
analysis/ EVALUATION STUDIES/
HISTOCYTOCHEMISTRY/ IMMUNE SERUMS/
MALE/ METHODS/ MICROSCOPY,
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GLAND, analysis/ *PITUITARY GLAND,
cytology/ PITUITARY GLAND, enzymology/
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IMMUNOELECTROPHORESIS

The measurement of sex steroid binding globulin by
differential ammonium sulphate precipitation.

O'Connor S, et al. *J Steroid Biochem* 4:331-9, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AMMONIUM SULFATE/ ESTRADIOL, blood/
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METHOD SECTION

ION EXCHANGE RESINS

A modification of radiocompetitive binding technique for serial measurements of total blood thyroxine level. Kilmaszewski J, et al.

Acta Physiol Pol 24:877-84, 1973

AGE FACTORS/ ANIMAL EXPERIMENTS/
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/
ION EXCHANGE RESINS/ METHODS/
PROTEIN BINDING/ SEASONS/ SHEEP/
*THYROXINE, blood

MICROCHEMISTRY

Mass fragmentographic analysis of steroids, catecholamines, and amino acids in biological materials. Maume BF, et al.

Anal Chem 46:1073-82, Jun 73

ADRENAL GLANDS, analysis/ *AMINO ACIDS, analysis/ *CATECHOLAMINES, analysis/
CELLS, CULTURED/ CHROMATOGRAPHY,
GAS/ CORTICOSTERONE, blood/ ESTROGENS, blood/ FEMALE/ HUMAN/ LIVER, analysis/
METHODS/ MICROCHEMISTRY/
MYOCARDIUM, analysis/ PREGNANCY/
RATS/ SPECTRUM ANALYSIS, MASS/
*STERIODS, analysis

Tryptamines. 3. The estimation of melatonin in blood serum. Cole ER, et al. Biochem Med 8:37-43, Aug 73
HUMAN/ *MELATONIN, blood/ METHODS/
MICROCHEMISTRY/ SPECTROMETRY,
FLUORESCENCE

Radiolimmunoassay of thyroxine in unextracted serum, by a single-antibody technique. Dunn RT, et al.
Clin Chem 19:1063-6, Sep 73

ANTIBODIES/ BINDING SITES, ANTIBODY/
CHARCOAL/ COMPARATIVE STUDY/ DRUG
STABILITY/ EVALUATION STUDIES/ HEAT/
HEMOGLOBIN/ HUMAN/ IMMUNE SERUMS/
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MICROCHEMISTRY/ RABBITS, immunology/
*RADIOIMMUNOASSAY/ *THYROXINE, blood/
TIME FACTORS

A sensitive radiolimmunoassay for thyrotropin releasing hormone. May P, et al.

Clin Chim Acta 46:371-6, 27 Jul 73

BIPHENYL COMPOUNDS/ CATTLE/
CHARCOAL/ CHROMATOGRAPHY, PAPER/
COMPARATIVE STUDY/ CROSS REACTIONS/
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HORMONE/ METHODS/ MICROCHEMISTRY/
RABBITS, immunology/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
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*THYROTROPIN RELEASING HORMONE,
blood/ THYROTROPIN RELEASING
HORMONE, urine/ TIME FACTORS

High-efficiency liquid chromatography in pharmaceutical analysis. Bailey F, et al.

J Chromatogr 83:431-7, 29 Aug 73

BETAMETHASONE, analysis/ CHEMISTRY/
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CHROMATOGRAPHY/ DRUG STABILITY/
EPHEDRINE, analysis/ ESTRADIOL, analysis/
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PROGESTERONE, analysis/ SOLVENTS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*STERIODS, analysis/ TABLETS

[Micromethod for separation and analysis of plasma catecholamines] Peyrin L, et al.

Arch Int Physiol Biochim 80:893-906, Dec 72 (Fre)

*CATECHOLAMINES, blood/
CATECHOLAMINES, isolation & purification/
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NOREPINEPHRINE, analysis/

*NOREPINEPHRINE, blood/

NOREPINEPHRINE, isolation & purification/

SPECTROMETRY, FLUORESCENCE

[Determination of micro quantities of corticosterone in rat blood by the method of saturation analysis]
Volchek AG. Biol Nauki 10:124-9, 1973 (Rus)

ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ *CORTICOSTERONE, blood/
FEMALE/ HYPOTHALAMUS, physiology/
LIGANDS/ MALE/ METHODS/
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POSTERIOR, physiology/ RATS/ TRITIUM

NUCLEAR MAGNETIC RESONANCE

Trimethyl silyl ether-enol-trimethyl silyl ether--a new type of derivative for the gas phase study of hormonal steroids. Chambaz EM, et al.

Anal Chem 46:1090-8, Jun 73

ADRENAL CORTEX HORMONES, analysis/
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HYDROXYSTERIODS, analysis/ INDICATORS
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OPTICAL ROTATORY DISPERSION

17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schneider JJ. J Chem Soc [Perkin I] 13:1361-5, 1973

*CORTISONE/ HYDROXYSTERIODS, analysis/
*KETOSTEROIDS, analysis/ METHODS/
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*PREGNENES, analysis/ PREGNENES, chem
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SPECTRUM ANALYSIS/
STRUCTURE-ACTIVITY RELATIONSHIP

ORGAN WEIGHT

Plasma luteinizing hormone (LH) and progesterone levels in belfers on restricted energy intakes. Gombe S, et al. J Anim Sci 37:728-33, Sep 73

ANIMAL EXPERIMENTS/ ANIMAL FEED/
*ANIMAL NUTRITION/ CATTLE, metabolism/
*CATTLE, physiology/ CHROMATOGRAPHY,
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*PROGESTERONE, blood/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ SILAGE

Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. Steroids 22:379-99, Sep 73

ANDROSTENEDIONE, isolation & purification/
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COMPARATIVE STUDY/ *CORPUS LUTEUM,
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*OVARY, metabolism/ OVULATION/
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*TESTOSTERONE, metabolism

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A simple method for the extraction and purification of human growth hormone and its assay by paper chromatography. Stroud SW, et al.

J Clin Endocrinol Metab 37:860-6, Dec 73

ACETONE/ BIOLOGICAL ASSAY/

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The measurement of sex steroid binding globulin by
differential ammonium sulphate precipitation.
O'Connor S, et al. *J Steroid Biochem* 4:331-9, Jul 73
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PROTEIN BINDING/ *SERUM GLOBULINS,
analysis/ *SEX HORMONES, analysis/
TESTOSTERONE, blood/ TRITIUM

PROTEIN BINDING

The simultaneous assay of cortisol and
17alpha-hydroxyprogesterone in the plasma of
patients with congenital adrenal hyperplasia.
Pham-Huu-Trung MT, et al.
Acta Endocrinol (Kbh) 74:316-30, Oct 73
ADOLESCENCE/ *ADRENAL GLAND
HYPERFUNCTION, blood/ ADRENAL GLAND
HYPERFUNCTION, drug therapy/ ADRENAL
GLAND HYPERFUNCTION, enzymology/
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*HYDROXYPROGESTERONE, blood/ INFANT/
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INBORN ERRORS, drug therapy/
METABOLISM, INBORN ERRORS, enzymology/
METHODS/ PROTEIN BINDING

A simple clinical test for measuring the serum
testosterone response to intravenous infusion of
human chorionic gonadotrophin (HCG). Vivanco F, et
al. *Acta Endocrinol (Kbh)* 73:790-3, Aug 73
ADOLESCENCE/ ADULT/ CASTRATION/
FEMALE/ GONADOTROPINS, CHORIONIC,
administration & dosage/ *GONADOTROPINS,
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*TESTOSTERONE, blood/ TIME FACTORS

A modification of radiocompetitive binding technique
for serial measurements of total blood thyroxine
level. Klimaszewski J, et al.

Acta Physiol Pol 24:677-84, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/
ION EXCHANGE RESINS/ METHODS/
PROTEIN BINDING/ SEASONS/ SHEEP/
*THYROXINE, blood

A rapid competitive protein-binding assay of
unconjugated oestradiol in late pregnancy plasma.
Ahmed J, et al. *Clin Chim Acta* 48:37-43, Sep 28 1973
BINDING, COMPETITIVE/ DIABETES
MELLITUS, blood/ *ESTRADIOL, blood/
EVALUATION STUDIES/ FEMALE/ HUMAN/
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PROTEIN BINDING/ RECEPTORS, HORMONE/
TIME FACTORS/ TRITIUM

Saturation in the competitive protein-binding assay of
serum thyroxine. Cook DB, et al.

Clin Chim Acta 47:183-9, 30 Aug 73
ACRYLAMIDES/ CHROMATOGRAPHY, ION
EXCHANGE/ COMPARATIVE STUDY/
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*THYROXINE, blood/ *THYROXINE-BINDING
PROTEIN, analysis/ TIME FACTORS

A stable uterine binding protein preparation for the
assay of plasma oestradiol in pregnancy. Corns CM, et al.
Clin Chim Acta 47:203-10, 30 Aug 73
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ BINDING SITES/ CHARCOAL/
COMPARATIVE STUDY/ CYTOSOL/ DRUG
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PROTEIN BINDING/ RECEPTORS, HORMONE/
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125I-labelled cortisol-TME for competitive protein
binding. Malvano R, et al.

Clin Chim Acta 47:167-73, 30 Aug 73
BINDING, COMPETITIVE/ BINDING SITES,
ANTIBODY/ COMPARATIVE STUDY/ CROSS
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TRITIUM/ *TYROSINE

Work simplification of a competitive protein binding
analysis for serum thyroxine. A study of some
analytical variables affecting accuracy and precision.
Seth J. *Clin Chim Acta* 46:443-53, 27 Jul 73
BINDING, COMPETITIVE/ BUFFERS/
COMPARATIVE STUDY/ DRUG STABILITY/
EDTA/ EVALUATION STUDIES/ GEL
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PROTEIN BINDING/ SALICYLATES/ SERUM
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TIME FACTORS

Work simplification of a competitive protein binding
analysis for serum thyroxine, and a study of some
laboratory factors affecting assay results. Seth J.

Clin Chim Acta 46:431-41, 27 Jul 73
AUTOANALYSIS/ BINDING, COMPETITIVE/
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TEMPERATURE/ THYROID GLAND,
metabolism/ *THYROXINE, blood/ TIME
FACTORS

Ovarian steroid patterns in peripheral plasma during
the menstrual cycle in the rhesus monkey. Bosu WT,
et al. *Folia Primatol (Basel)* 19:218-34, 1973

ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ *ESTROGENS, blood/
FEMALE/ HYDROXYPROGESTERONE, blood/
*MACACA, physiology/ *MENSTRUATION/
METHODS/ MONKEYS/ OVARY, anatomy &
histology/ OVARY, physiology/ OVULATION/
*PREGESTATIONAL HORMONES, blood/
PROGESTERONE, blood/ PROTEIN BINDING/
RADIOIMMUNOASSAY

The description and evaluation of a competitive
protein-binding radioassay of
17alpha-hydroxyprogesterone in human plasma. Luisi
M, et al. *Horm Res* 4:74-83, 1973

ADOLESCENCE/ ADULT/ BINDING,
COMPETITIVE/ CHROMATOGRAPHY, THIN
LAYER/ ENDOCRINE DISEASES, blood/
FEMALE/ HUMAN/
*HYDROXYPROGESTERONE, blood/ INFANT/
MALE/ MENSTRUATION/ METHODS/
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TIME FACTORS/ TRITIUM

Plasma luteinizing hormone (LH) and progesterone
levels in helpers on restricted energy intakes. Gombe

METHOD SECTION

S, et al. *J Anim Sci* 37:728-33, Sep 73
 ANIMAL EXPERIMENTS/ ANIMAL FEED/
 *ANIMAL NUTRITION/ CATTLE, metabolism/
 *CATTLE, physiology/ CHROMATOGRAPHY,
 GAS/ CHROMATOGRAPHY, THIN LAYER/
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 WEIGHT/ PROGESTERONE, analysis/
 *PROGESTERONE, blood/ PROTEIN BINDING/
 RADIOIMMUNOASSAY/ SILAGE

Solid-phase triiodothyronine radioimmunoassay. Siegel
 SJ, et al. *J Clin Endocrinol Metab* 37:526-32, Oct 73
 CYANOGEN BROMIDE/ IMMUNE SERUMS/
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 *TRIIODOTHYRONINE, blood

Radioimmunoassay of thyrotropin releasing hormone.
 Jeffcoate SL, et al. *J Endocrinol* 59:191-2, Oct 73
 ANIMAL EXPERIMENTS/ HYPOTHALAMUS,
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 RELEASING HORMONE, analysis

Separation of antibody-bound and free 125I-labelled
 beta-melanocyte-stimulating hormone. Plummer NA,
 et al. *J Endocrinol* 59:197-8, Oct 73
 ANTIBODIES/ ANTIGEN-ANTIBODY
 COMPLEX, isolation & purification/
 ELECTROPHORESIS/ HUMAN/ IODINE
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The measurement of sex steroid binding globulin by
 differential ammonium sulphate precipitation.
 O'Connor S, et al. *J Steroid Biochem* 4:331-9, Jul 73
 ADOLESCENCE/ ADULT/ AGE FACTORS/
 AMMONIUM SULFATE/ ESTRADIOL, blood/
 FEMALE/ HUMAN/
 IMMUNOELECTROPHORESIS/ LIVER
 CIRRHOSIS, immunology/ MALE/
 MATHEMATICS/ METHODS/ PRECIPITATION/
 PROTEIN BINDING/ *SERUM GLOBULINS,
 analysis/ *SEX HORMONES, analysis/
 TESTOSTERONE, blood/ TRITIUM

Plasma estradiol in normal and preeclamptic multiple
 pregnancies. Maasson GM.
 Obstet Gynecol 42:588-73, Oct 73
 ADULT/ BIOLOGICAL ASSAY/ *ESTRIOL,
 blood/ FEMALE/ HUMAN/ IMMUNE
 SERUMS/ METHODS/ PREGNANCY/
 *PREGNANCY, MULTIPLE/ *PREGNANCY
 TOXEMIAS, blood/ PROTEIN BINDING/
 PROTEINURIA, complications/ SHEEP,
 immunology/ TIME FACTORS/ TRIPLETS/
 TWINS

Progesterone measurement using "stripped"
 corticosteroid binding globulin (CBG). Baranczuk R,
 et al. *Steroids* 22:273-84, Aug 73
 ANIMAL EXPERIMENTS/ BINDING SITES/
 CHROMATOGRAPHY, THIN LAYER/
 COMPARATIVE STUDY/ EVALUATION
 STUDIES/ FEMALE/ GEL FILTRATION/
 HAMSTERS/ HUMAN/ MALE/ METHODS/
 PREGNANCY/ *PROGESTERONE, blood/
 PROTEIN BINDING/ RATS/ STEROIDS/
 TEMPERATURE/ *TRANSCORTIN/
 TRANSCORTIN, isolation & purification/
 TRITIUM

Use of an early test for pregnancy by determining
 progesterone in peripheral blood of the ewe]
 Saumande J, et al.
 Ann Biol Anim Biochim Biophys 12:661-5, 1972 (Eng.
 Abstr.) (Fre)
 ANIMAL EXPERIMENTS/ BINDING,
 COMPETITIVE/ COMPARATIVE STUDY/
 ENDOSCOPY/ ENGLISH ABSTRACT/
 ESTRUS/ EVALUATION STUDIES/ FEMALE/
 INSEMINATION, ARTIFICIAL/ METHODS/

OVARY, physiology/ PLASMA, analysis/
 PREGNANCY/ *PREGNANCY TESTS/
 *PROGESTERONE, blood/ PROTEIN BINDING/
 SHEEP/ TIME FACTORS/ TRITIUM

[Clinical significance of serum triiodothyronine]
 Zurcher H, et al.
 Schweiz Med Wochenschr 103:1710-3, 1 Dec 73 (Eng.
 Abstr.) (Fre)

ARRHYTHMIA, blood/ DIAGNOSIS,
 DIFFERENTIAL/ ENGLISH ABSTRACT/
 GOITER, blood/ GOITER, EXOPHTHALMIC,
 blood/ GOITER, NODULAR, blood/ HUMAN/
 HYPERTHYROIDISM, blood/
 HYPOTHYROIDISM, blood/ METHODS/
 PROTEIN BINDING/ PROTEIN-BOUND
 IODINE TEST/ *TRIIODOTHYRONINE, blood

[Methodological difficulties in the determination of
 steroid hormones by protein binding methods
 (author's transl)] Breuer H.
 Z Klin Chem Klin Biochem 11:357-61, Aug 73 (Eng.
 Abstr.) (Ger)

BLOOD PROTEINS/ CHARCOAL/
 CHROMATOGRAPHY, GAS/
 CHROMATOGRAPHY, PAPER/
 CHROMATOGRAPHY, THIN LAYER/
 COMPARATIVE STUDY/ DEXTRAN/
 ENGLISH ABSTRACT/ EVALUATION
 STUDIES/ *HYDROCORTISONE, blood/
 IMMUNE SERUMS/ METHODS/
 *PROGESTERONE, blood/ PROTEIN BINDING/
 RABBITS, immunology/
 RADIOIMMUNOASSAY/ SILICA/
 *TESTOSTERONE, blood/ TRITIUM

[Improvement and quality control of the
 radioimmunological TSH determination (author's
 transl)] Erhardt F, et al.

Z Klin Chem Klin Biochem 11:381-7, Sep 73 (Ger)
 BINDING SITES, ANTIBODY/ COMPARATIVE
 STUDY/ EVALUATION STUDIES/ GEL
 FILTRATION/ HUMAN/ IODINE
 RADIOISOTOPES/ KINETICS/ METHODS/
 PERISSODACTYLA, immunology/ PROTEIN
 BINDING/ QUALITY CONTROL/ RABBITS,
 immunology/ RADIOIMMUNOASSAY/
 TEMPERATURE/ *THYROTROPIN, blood/
 TIME FACTORS

[Determination of urinary testosterone in man: a
 comparison between two methods using gas phase
 chromatography and competitive protein binding
 analysis respectively (author's transl)] Littmann KP,
 et al. *Z Klin Chem Klin Biochem* 11:371-5, Sep 73 (Ger)
 ADOLESCENCE/ ADULT/ AGED/
 ALCOHOLISM, complications/ ALCOHOLISM,
 urine/ BINDING, COMPETITIVE/ CARBON
 RADIOISOTOPES/ CHROMATOGRAPHY, GAS/
 CHROMATOGRAPHY, THIN LAYER/
 COMPARATIVE STUDY/ EVALUATION
 STUDIES/ FEMALE/ GONADOTROPINS,
 CHORIONIC/ HIRSUTISM, urine/ HUMAN/
 LEYDIG CELLS, metabolism/ LIVER
 CIRRHOSIS, etiology/ LIVER CIRRHOSIS,
 urine/ MALE/ METHODS/ MIDDLE AGE/
 PROTEIN BINDING/ PUBERTY/ RECEPTORS,
 HORMONE/ *TESTOSTERONE, urine/ TIME
 FACTORS/ TRITIUM

RADIOIMMUNOASSAY

Thyroid nodule autonomy: its demonstration by the
 thyrotrophin releasing hormone (TRH) stimulation
 test. Karlberg BE.

Acta Endocrinol (Kbh) 73:689-99, Aug 73
 *ADENOMA, diagnosis/ ADENOMA,
 metabolism/ ADULT/ COMPARATIVE STUDY/
 DEPRESSION, CHEMICAL/ FEMALE/
 HUMAN/ *HYPERTHYROIDISM, diagnosis/
 IODINE ISOTOPES/ IODINE RADIOISOTOPES/
 METHODS/ MIDDLE AGE/ PROTEIN-BOUND
 IODINE TEST/ RADIOIMMUNOASSAY/
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 GLAND, metabolism/ *THYROID NEOPLASMS,
 diagnosis/ THYROID NEOPLASMS,
 metabolism/ *THYROTROPIN, metabolism/
 *THYROTROPIN RELEASING HORMONE,
 diagnostic use/ THYROXINE, blood/

METHOD SECTION

- *THYROXINE, metabolism/
TRIIODOTHYRONINE, metabolism
- "In vivo radioimmunoassay" of aldosterone. Vecsei P, et al. *Acta Endocrinol (Kbh)* 74:307-15, Oct 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ *ALDOSTERONE, blood/
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CARBON RADIOISOTOPES/
CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ IMMUNE SERUMS/ MALE/ METHODS/ *RADIOIMMUNOASSAY/ RATS/ SHEEP, immunology/ SODIUM, pharmacodynamics/ TIME FACTORS/ TRITIUM
- Preoperative localization of abnormal parathyroid tissue. Cumulative experience with venous sampling and arteriography. Bilezikian JP, et al.
Am J Med 55:505-14, Oct 73
*ADENOMA, diagnosis/ ADENOMA, pathology/ ANGIOGRAPHY/ BLOOD SPECIMEN COLLECTION/ CATHETERIZATION/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPLASIA, diagnosis/ HYPERPLASIA, pathology/ METHODS/ PARATHYROID GLANDS, pathology/ *PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, diagnosis/ PHLEBOGRAPHY/ RADIOIMMUNOASSAY/ *THYROID GLAND, blood supply/ *VEINS
- Searching out low renin patients: limitations of some commonly used methods. Sealey JE, et al.
Am J Med 55:303-14, Sep 73
ANGIOTENSIN, blood/ BLOOD/ DIMERCAPROL/ EDTA/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, blood/ ISOFLUOROPHATE/ METHODS/ NEOMYCIN/ QUINOLINES/ RADIOIMMUNOASSAY/ *RENIN, blood/ TEMPERATURE/ TIME FACTORS
- Letter: two-hour plasma estrogen assay. Younglai EV.
Am J Obstet Gynecol 117:584-5, 15 Oct 73
*ESTRIOL, blood/ *ESTROGENS, blood/ FEMALE/ FETAL DISEASES, diagnosis/ GESTATIONAL AGE/ HUMAN/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS
- Parathyroid dysfunction, parathyroid hormone assay, and the surgeon. Shlmskin PM, et al.
Am J Surg 126:534-8, Oct 73
*ADENOMA, diagnosis/ ADENOMA, surgery/ BLOOD SPECIMEN COLLECTION/ CATHETERIZATION/ DIAGNOSIS, DIFFERENTIAL/ *HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ METHODS/ PARATHYROID GLANDS, blood supply/ *PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, surgery/ RADIOIMMUNOASSAY/ THYROID GLAND, blood supply/ VEINS
- LH and progesterone in the menstrual cycle: further observations on the relationship with the length of the luteal phase. Lepoutre L, et al.
Ann Endocrinol (Paris) 34:327-31, May-Jun 73
*CORPUS LUTEUM, physiology/ FEMALE/ HUMAN/ *LH, blood/ LH, physiology/ *MENSTRUATION/ METHODS/ PERIODICITY/ *PROGESTERONE, blood/ PROGESTERONE, physiology/ RADIOIMMUNOASSAY/ TIME FACTORS
- Radioimmunoassay of melanocytes-stimulating hormone (beta-MSH) in human plasma. Donnadieu M, et al. *Biomedicine [Express]* 19:272-4, 20 Jun 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CORTICOTROPIN/ GUINEA PIGS/ HUMAN/ METHODS/ *MSH, blood/ RADIOIMMUNOASSAY
- Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50. Bodley FH, et al.
Clin Chem 19:1027-30, Sep 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ EVALUATION STUDIES/ HYDROXYPROGESTERONE/ *IMMUNE SERUMS, isolation & purification/ METHODS/ PREGNENOLONE, analysis/ *PROGESTERONE, analysis/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM
- Radioimmunoassay of thyroxine in unextracted serum, by a single-antibody technique. Dunn RT, et al.
Clin Chem 19:1063-6, Sep 73
ANTIBODIES/ BINDING SITES, ANTIBODY/ CHARCOAL/ COMPARATIVE STUDY/ DRUG STABILITY/ EVALUATION STUDIES/ HEAT/ HEMOGLOBIN/ HUMAN/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ METHODS/ MICROCHEMISTRY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *THYROXINE, blood/ TIME FACTORS
- Rapid radioimmunoassay of triiodothyronine. Sekadde CB, et al. *Clin Chem* 19:1018-21, Sep 73
COMPARATIVE STUDY/ CROSS REACTIONS/ EVALUATION STUDIES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ KINETICS/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYROID GLAND, metabolism/ THYROIDITIS, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood
- Quality control in a radioimmunoassay: observations on the operation of a semi-automated assay for human placental lactogen. Challand GS, et al.
Clin Chim Acta 46:133-8, 28 Jun 73
AUTOANALYSIS/ DRUG STABILITY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ METHODS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ QUALITY CONTROL/ RADIOIMMUNOASSAY/ REGRESSION ANALYSIS/ TIME FACTORS
- Saturation in the competitive protein-binding assay of serum thyroxine. Cook DB, et al.
Clin Chim Acta 47:183-9, 30 Aug 73
ACRYLAMIDES/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ IODINE RADIOISOTOPES/ KINETICS/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS
- Repeated purifications of (125I)HGH for radioimmunoassay. Keret R, et al.
Clin Chim Acta 47:21-6, 17 Aug 73
EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ IODINE RADIOISOTOPES/ ISOTOPE LABELING/ METHODS/ RADIOIMMUNOASSAY/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, isolation & purification/ TIME FACTORS
- 125I-labelled cortisol-TME for competitive protein binding. Malvano R, et al.
Clin Chim Acta 47:167-73, 30 Aug 73
BINDING, COMPETITIVE/ BINDING SITES, ANTIBODY/ COMPARATIVE STUDY/ CROSS REACTIONS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTERS/ EVALUATION STUDIES/ *HYDROCORTISONE blood/ IODINE RADIOISOTOPES/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ TRITIUM/ *TYROSINE
- Factors in blood influencing the determination of thyrotropin releasing hormone. May P, et al.
Clin Chim Acta 46:377-82, 27 Jul 73

METHOD SECTION

CHARCOAL/ COMPARATIVE STUDY/
DIMERCAPROL, blood/ DRUG STABILITY/
EDTA, blood/ EVALUATION STUDIES/
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RABBITS, immunology/
RADIOIMMUNOASSAY/ *THYROTROPIN
RELEASING HORMONE, blood/
THYROTROPIN RELEASING HORMONE,
urine/ TIME FACTORS

A sensitive radioimmunoassay for thyrotropin releasing hormone. May P, et al.

Clin Chim Acta 46:371-6, 27 Jul 73

BIPHENYL COMPOUNDS/ CATTLE/
CHARCOAL/ CHROMATOGRAPHY, PAPER/
COMPARATIVE STUDY/ CROSS REACTIONS/
DIAZONIUM COMPOUNDS/ EVALUATION
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*THYROTROPIN RELEASING HORMONE,
blood/ THYROTROPIN RELEASING
HORMONE, urine/ TIME FACTORS

The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea. Crosignani PG. Endocrinol Exp (Basel) 7:193-201, Sep 73

ADOLESCENCE/ ADULT/ *AMENORRHEA,
blood/ CIRCADIAN RHYTHM/ CLOMIPHENE,
therapeutic use/ FEMALE/ *FSH, blood/ GEL
FILTRATION/ HUMAN/ IODINE
RADIOISOTOPES/ *LH, blood/ MENOPAUSE/
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*RADIOIMMUNOASSAY/ STEIN-LEVENTHAL
SYNDROME, blood/ STEIN-LEVENTHAL
SYNDROME, drug therapy/ TIME FACTORS/
TURNER'S SYNDROME, blood

Ovarian steroid patterns in peripheral plasma during the menstrual cycle in the rhesus monkey. Bosu WT, et al. Folia Primatol (Basel) 19:218-34, 1973

ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ *ESTROGENS, blood/
FEMALE/ HYDROXYPROGESTERONE, blood/
*MACACA, physiology/ *MENSTRUATION/
METHODS/ MONKEYS/ OVARY, anatomy &
histology/ OVARY, physiology/ OVULATION/
*PREGESTATIONAL HORMONES, blood/
PROGESTERONE, blood/ PROTEIN BINDING/
RADIOIMMUNOASSAY

Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. Cole EN, et al. Horm Res 4:261-73, 1973

*AMNIOTIC FLUID, immunology/ BINDING
SITES, ANTIBODY/ CHLORPROMAZINE,
pharmacodynamics/ COMPARATIVE STUDY/
CROSS REACTIONS/ EVALUATION STUDIES/
FEMALE/ FSH/ GONADOTROPINS,
CHORIONIC/ HUMAN/ HYPOPHYSECTOMY/
IODINE RADIOISOTOPES/ LH/ MALE/
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PITUITARY GLAND, physiology/
PREGNANCY/ *PROLACTIN, blood/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
SOMATOTROPIN/ SPECIES SPECIFICITY/
THYROTROPIN

An efficient procedure for the determination of progesterone by radioimmunoassay applied to bovine peripheral plasma. Hoffmann B, et al. Horm Res 4:302-10, 1973

ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ CROSS REACTIONS/
ESTRUS/ FEMALE/ GOATS, immunology/
HYDROXYPROGESTERONE/ MALE/
METHODS/ OVULATION/ *PROGESTERONE,
blood/ RABBITS, immunology/
RADIOIMMUNOASSAY/ TIME FACTORS/
TRITIUM

Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone before and after surgical treatment. Rohde

W, et al. Horm Res 4:129-40, 1973

*ACROMEGALY, physiopathology/
ACROMEGALY, surgery/ ADENOMA, surgery/
ARGININE, diagnostic use/ GLUCOSE
TOLERANCE TEST/ HUMAN/ INSULIN,
diagnostic use/ IODINE RADIOISOTOPES/
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surgery/ PITUITARY NEOPLASMS, surgery/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
blood/ TIME FACTORS

Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. Gombe S, et al. J Anim Sci 37:728-33, Sep 73

ANIMAL EXPERIMENTS/ ANIMAL FEED/
*ANIMAL NUTRITION/ CATTLE, metabolism/
*CATTLE, physiology/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, THIN LAYER/
CORN/ CORPUS LUTEUM, analysis/ CORPUS
LUTEUM, anatomy & histology/ ESTRUS/
FEMALE/ *LH, blood/ METHODS/ ORGAN
WEIGHT/ PROGESTERONE, analysis/
*PROGESTERONE, blood/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ SILAGE

Radioimmunoassay of arginine vasopressin in human plasma. Husain MK, et al.

J Clin Endocrinol Metab 37:616-25, Oct 73

ANIMAL EXPERIMENTS/ ARGININE/
DIURESIS, drug effects/ DRINKING/
FASTING/ GEL FILTRATION/ HUMAN/
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POLYETHYLENE GLYCOLS/ RABBITS/
RABBITS, immunology/
*RADIOIMMUNOASSAY/ RATS/ SMOKING/
SODIUM CHLORIDE, pharmacodynamics/
*VASOPRESSIN, blood/ WATER
DEPRIVATION

Neurophysin in women during oxytocin-related events. Robinson AG, et al.

J Clin Endocrinol Metab 37:645-52, Nov 73

AMNIOTIC FLUID, analysis/ BLOOD/
COITUS/ FEMALE/ GESTATIONAL AGE/
GONADOTROPINS, PITUITARY, analysis/
HUMAN/ IODINE RADIOISOTOPES/
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*OXYTOCIN, physiology/ PLACENTA/
PREGNANCY/ RADIOIMMUNOASSAY/
SOMATOTROPIN, analysis/ UMBILICAL CORD

Solid-phase triiodothyronine radioimmunoassay. Siegel SJ, et al. J Clin Endocrinol Metab 37:526-32, Oct 73

CYANOGEN BROMIDE/ IMMUNE SERUMS/
IODINE RADIOISOTOPES/ KINETICS/
METHODS/ POLYSACCHARIDES/ PROTEIN
BINDING/ RABBITS, immunology/
*RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ TIME FACTORS/
*TRIIODOTHYRONINE, blood

A simple method for the extraction and purification of human growth hormone and its assay by paper chromatography. Stroud SW, et al.

J Clin Endocrinol Metab 37:860-6, Dec 73

ACETONE/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY, PAPER/
ELECTROPHORESIS, DISC/ GEL
FILTRATION/ HUMAN/ METHODS/
*PITUITARY GLAND, analysis/
PRECIPITATION/ RADIOIMMUNOASSAY/
SOMATOTROPIN, analysis/ *SOMATOTROPIN,
isolation & purification

Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. Ridgway EC, et al. J Clin Invest 52:2783-92, Nov 73

ADMINISTRATION, ORAL/ ADULT/ AGED/
FEMALE/ HUMAN/ *HYPERTHYROIDISM,
physiopathology/ INJECTIONS,
INTRAVENOUS/ IODINE ISOTOPES,
DIAGNOSTIC/ IODINE RADIOISOTOPES/
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PITUITARY GLAND, drug effects/
*PITUITARY GLAND, secretion/
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THYROTROPIN RELEASING HORMONE,

METHOD SECTION

- pharmacodynamics/ THYROXINE, administration & dosage/ THYROXINE, blood/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, blood
- Simplification of urinary aldosterone measurement by radioimmunoassay. Cope CL, et al.
J Clin Pathol 26:628-34, Aug 73
*ALDOSTERONE, urine/ CHROMATOGRAPHY, PAPER/ HUMAN/ METHODS/
*RADIOIMMUNOASSAY/ TRITIUM
- Radioimmunoassay of thyrotrophin releasing hormone. Jeffcoate SL, et al. J Endocrinol 59:191-2, Oct 73
ANIMAL EXPERIMENTS/ HYPOTHALAMUS, analysis/ IODINE RADIOISOTOPES/ METHODS/ PROTEIN BINDING/ RABBITS/ RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ *THYROTROPIN RELEASING HORMONE, analysis
- Separation of antibody-bound and free ¹²⁵I-labelled beta-melanocyte-stimulating hormone. Plummer NA, et al. J Endocrinol 59:197-8, Oct 73
ANTIBODIES/ ANTIGEN-ANTIBODY COMPLEX, isolation & purification/ ELECTROPHORESIS/ HUMAN/ IODINE RADIOISOTOPES/ METHODS/ *MSH, isolation & purification/ PROTEIN BINDING/ RADIOIMMUNOASSAY
- Ultrastructural immunocytochemistry with unlabeled antibodies and the peroxidase-antiperoxidase complex. A technique more sensitive than radioimmunoassay. Moriarty GC, et al.
J Histochem Cytochem 21:825-33, Sep 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ COMPARATIVE STUDY/ *CORTICOTROPIN, analysis/ EVALUATION STUDIES/ HISTOCYTOCHEMISTRY/ IMMUNE SERUMS/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ *PEROXIDASES/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, enzymology/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ STAINS AND STAINING
- Radioimmunoassay of prostaglandin F₂α in unextracted human plasma. Patrono C.
J Nucl Biol Med 17:25-9, Jan-Mar 73
ABORTION, blood/ FEMALE/ HUMAN/ LIVER CIRRHOSIS, blood/ MALE/ METHODS/ PREGNANCY/ *PROSTAGLANDINS, blood/
*RADIOIMMUNOASSAY
- Rapid radioimmunoassay of oestradiol-17 beta using computer calculation. Exley D, et al.
J Steroid Biochem 4:257-70, May 73
BINDING SITES, ANTIBODY/ COMPARATIVE STUDY/ COMPUTERS, DIGITAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, blood/ EVALUATION STUDIES/ IMMUNE SERUMS/ MATHEMATICS/ METHODS/ POLYSTYRENES/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM
- Identification by radioimmunoassay of the luteinizing hormone-releasing hormone in human urine. Jeffcoate SL, et al. Nature 244:161-2, 20 Jul 73
AMENORRHEA, urine/ CHROMATOGRAPHY, THIN LAYER/ CLOMIPHENE, pharmacodynamics/ FEMALE/ GEL FILTRATION/ HUMAN/ *LH-FSH RELEASING HORMONE, urine/ MALE/ METHODS/
*RADIOIMMUNOASSAY
- New bioassay for luteinizing hormone. Rees LH, et al. Nature 244:232-4, 27 Jul 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ CORTICOTROPIN, analysis/ CROSS REACTIONS/ DENSITOMETRY/ FEMALE/ FSH, analysis/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ IN VITRO/ *LH, analysis/ LH, blood/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MENOPAUSE/ METHODS/ OVARY, metabolism/ PROLACTIN, analysis/ RADIOIMMUNOASSAY/ RATS/ SWINE/ THYROTROPIN, analysis
- Unconjugated estrogens in the perinatal period. Kenny FM, et al. Pediatr Res 7:826-31, Oct 73
ADRENAL GLANDS, abnormalities/ AGE FACTORS/ ANENCEPHALUS, blood/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ MALE/ *MATERNAL-FETAL EXCHANGE/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ UMBILICAL ARTERIES/ UMBILICAL VEINS/ VEINS
- Circadian variation of the serum thyrotrophin level in normal subjects. Weeke J.
Scand J Clin Lab Invest 31:337-42, May 73
ADULT/ BUFFERS/ CATTLE/ CHLORAMINES, diagnostic use/ CHROMATOGRAPHY, PAPER/ *CIRCADIAN RHYTHM/ FEMALE/ GEL FILTRATION/ HUMAN/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ ISOTOPE LABELING/ MALE/ MERCURY, diagnostic use/ METHODS/ ORGANOMETALLIC COMPOUNDS, diagnostic use/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE, diagnostic use/ SULFITES, diagnostic use/ *THYROTROPIN, blood/ TIME FACTORS
- "Big" growth hormone components from human plasma: decreased reactivity demonstrated by radioreceptor assay. Gorden P, et al. Science 182:829-31, 23 Nov 73
ACROMEGALY, blood/ BINDING SITES/ COMPARATIVE STUDY/ GEL FILTRATION/ HUMAN/ IODINE RADIOISOTOPES/ LYMPHOCYTES, metabolism/ METHODS/ MOLECULAR WEIGHT/ *RADIOIMMUNOASSAY/ *RADIOLIGAND ASSAY/ *SOMATOTROPIN, blood
- Radioimmunoassay of plasma 20 alpha-dihydroprogesterone. Florensa E, et al. Steroids 22:451-65, Oct 73
ADULT/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY/ CROSS REACTIONS/ FEMALE/ HUMAN/ HYDROXYPROGESTERONE, blood/ MALE/ METHODS/ PREGNANCY/ PROGESTERONE, blood/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TIME FACTORS/ TRITIUM
- A plasma dexamethasone radioimmunoassay. Melkle AW, et al. Steroids 22:193-202, Aug 73
ADMINISTRATION, ORAL/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, blood/ EVALUATION STUDIES/ GOATS, immunology/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM
- [A disturbing factor in the radioimmunoassay of urinary aldosterone] Schnurr E.
J Chromatogr 84:165-6, 12 Sep 73 (Eng. Abstr.) (Ger)
*ALDOSTERONE, urine/ ENGLISH ABSTRACT/ HUMAN/ METHODS/
*RADIOIMMUNOASSAY
- [An uncomplicated method for the determination of aldosterone excretion] Schnurr E, et al. Med Welt 24:689-91, 27 Apr 73 (Ger)
*ALDOSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ METHODS/
RADIOIMMUNOASSAY
- [Methodological difficulties in the determination of steroid hormones by protein binding methods (author's transl)] Breuer H.
Z Klin Chem Klin Biochem 11:357-61, Aug 73 (Eng. Abstr.) (Ger)

METHOD SECTION

BLOOD PROTEINS/ CHARCOAL/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
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*PROGESTERONE, blood/ PROTEIN BINDING/
RABBITS, immunology/
RADIOIMMUNOASSAY/ SILICA/
*TESTOSTERONE, blood/ TRITIUM

[Improvement and quality control of the
radioimmunological TSH determination (author's
transl)] Erhardt F, et al.
Z Klin Chem Klin Biochem 11:381-7, Sep 73 (Ger)
BINDING SITES, ANTIBODY/ COMPARATIVE
STUDY/ EVALUATION STUDIES/ GEL
FILTRATION/ HUMAN/ IODINE
RADIOISOTOPES/ KINETICS/ METHODS/
PERISSODACTYLA, immunology/ PROTEIN
BINDING/ QUALITY CONTROL/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
TEMPERATURE/ *THYROTROPIN, blood/
TIME FACTORS

[Rapid radioimmunoassay for the measurement of
triiodothyronine in serum without extraction
(author's transl)] Hilger P, et al.
Z Klin Chem Klin Biochem 11:323-5, Aug 73 (Eng.
Abstr.) (Ger)
AGED/ AGING/ ANILINO
NAPHTHALENESULFONATES/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ EVALUATION STUDIES/
HUMAN/ HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ METHODS/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ TIME
FACTORS/ *TRIIODOTHYRONINE, blood

[On the problem of plasma transport of insulin] Lenti
G, et al. Minerva Med 64:2967-77, 4 Aug 73 (Ita)
CHROMATOGRAPHY/ DIABETES MELLITUS,
blood/ ELECTROPHORESIS/ HUMAN/
INSULIN, analysis/ INSULIN, biosynthesis/
*INSULIN, blood/ INSULIN, physiology/
METHODS/ PREDIABETIC STATE, blood/
PROINSULIN, blood/ RADIOIMMUNOASSAY

[Rapid radioimmunological method of determination of
insulin in the blood] Eganu C, et al.
Stud Cercet Endocrinol 24:435-45, 1973 (Rum)
ACROMEGALY, blood/ ADULT/ *CUSHING'S
SYNDROME, blood/ *ENDOCRINE DISEASES,
blood/ FEMALE/ HUMAN/ *INSULIN, blood/
MALE/ METHODS/ MIDDLE AGE/
MYXEDEMA, blood/ OBESITY, blood/
*RADIOIMMUNOASSAY

RADIOLIGAND ASSAY

Studies on luteinizing hormone and its subunits:
development and application of a radioligand receptor
assay and properties of the hormone-receptor
interaction. Reichert LE Jr, et al.

Recent Prog Horm Res 29:497-532, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CATTLE/ COMPARATIVE STUDY/
EVALUATION STUDIES/ FEMALE/
GONADOTROPINS, CHORIONIC/ HUMAN/
HYDROGEN-ION CONCENTRATION/ IODINE
RADIOISOTOPES/ ISOTOPE LABELING/
LEYDIG CELLS, metabolism/ *LH, analysis/
LH, metabolism/ MALE/ METHODS/ MODELS,
BIOLOGICAL/ RADIOLIGAND ASSAY/ RATS/
*RECEPTORS, HORMONE/ SHEEP/ SPECIES
SPECIFICITY/ TESTIS

"Big" growth hormone components from human
plasma: decreased reactivity demonstrated by
radioreceptor assay. Gordon P, et al.

Science 182:829-31, 23 Nov 73
ACROMEGALY, blood/ BINDING SITES/
COMPARATIVE STUDY/ GEL FILTRATION/
HUMAN/ IODINE RADIOISOTOPES/
LYMPHOCYTES, metabolism/ METHODS/
MOLECULAR WEIGHT/

*RADIOIMMUNOASSAY/ *RADIOLIGAND
ASSAY/ *SOMATOTROPIN, blood

SPECTROMETRY, FLUORESCENCE

Simultaneous extraction and fluorometric
measurement of brain serotonin, catecholamines,
5-hydroxy-indoleacetic acid and homovanillic acid.
Hauhrich DR, et al. Anal Biochem 55:306-12, Sep 73
ALUMINUM/ ANIMAL EXPERIMENTS/
BRAIN CHEMISTRY/ *DOPAMINE, analysis/
DOPAMINE, isolation & purification/
HOMOVANILLIC ACID, analysis/
HOMOVANILLIC ACID, cerebrospinal fluid/
HOMOVANILLIC ACID, isolation &
purification/ *HYDROXYINDOLEACETIC ACID,
analysis/ HYDROXYINDOLEACETIC ACID,
cerebrospinal fluid/ HYDROXYINDOLEACETIC
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*NOREPINEPHRINE, analysis/
NOREPINEPHRINE, isolation & purification/
ORGAN SPECIFICITY/ *PHENYLACETATES,
analysis/ RATS/ *SEROTONIN, analysis/
SEROTONIN, isolation & purification/
SPECTROMETRY, FLUORESCENCE/ TIME
FACTORS

Tryptamines. 3. The estimation of melatonin in blood
serum. Cole ER, et al. Biochem Med 8:37-43, Aug 73
HUMAN/ *MELATONIN, blood/ METHODS/
MICROCHEMISTRY/ SPECTROMETRY,
FLUORESCENCE

Improved estriol determination in a continuous flow
system. Lever M, et al. Biochem Med 8:188-98, Oct 73
AUTOANALYSIS, instrumentation/ CATTLE/
CHROMATOGRAPHY, GAS/ COLORIMETRY/
COMPARATIVE STUDY/ *ESTRIOL, urine/
FEMALE/ FLUOROMETRY/ GLUCOSE/
HUMAN/ INDICATORS AND REAGENTS/
IRON/ KINETICS/ MATHEMATICS/
METHODS/ PREGNANCY/ SERUM ALBUMIN,
BOVINE/ SPECTROMETRY, FLUORESCENCE/
STEROIDS/ SULFATES/ SULFURIC ACIDS

Non-interference of common acid metabolites of
catecholamines in a fluorometric assay for urinary
homovanillic acid. Kahane Z, et al.
Clin Chim Acta 47:453-4, 14 Sep 73
CATECHOLAMINES, metabolism/
EVALUATION STUDIES/ HOMOVANILLIC
ACID, urine/ HUMAN/ *MANDELIC ACID,
urine/ METHODS/ *PHENYLACETATES,
urine/ SPECTROMETRY, FLUORESCENCE/
*VANILMANDELIC ACID, urine

[Micromethod for separation and analysis of plasma
catecholamines] Peyrin L, et al.

Arch Int Physiol Biochim 80:893-906, Dec 72 (Fre)
*CATECHOLAMINES, blood/
CATECHOLAMINES, isolation & purification/
CHROMATOGRAPHY, ION EXCHANGE/
EPINEPHRINE, analysis/ *EPINEPHRINE,
blood/ EPINEPHRINE,
isolation & purification/ EVALUATION
STUDIES/ FEMALE/ HUMAN/
HYDROGEN-ION CONCENTRATION/ MALE/
METHODS/ MICROCHEMISTRY/
NOREPINEPHRINE, analysis/
*NOREPINEPHRINE, blood/
NOREPINEPHRINE, isolation & purification/
SPECTROMETRY, FLUORESCENCE

SPECTROPHOTOMETRY

Urinary 17-hydroxycorticosteroid determination with
p-hydrazinobenzenesulfonic acid-phosphoric acid.
Sanghvi A, et al. Am J Clin Pathol 60:684-90, Nov 73
*BENZENESULFONATES, diagnostic use/
HUMAN/ *HYDRAZINES, diagnostic use/
HYDROCORTISONE, urine/ HYDROGEN-ION
CONCENTRATION/
*17-HYDROXYCORTICOSTEROIDS, urine/
METHODS/ *PHOSPHORIC ACIDS, diagnostic
use/ SPECTROPHOTOMETRY/
TETRAHYDROCORTISOL, urine/
TETRAHYDROCORTISONE, urine

METHOD SECTION

SPECTROPHOTOMETRY, ULTRAVIOLET

Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50. Bodley FH, et al. *Clin Chem* 19:1027-30, Sep 73

ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ EVALUATION STUDIES/ HYDROXYPROGESTERONE/ *IMMUNE SERUMS, Isolation & purification/ METHODS/ PREGNENOLONE, analysis/ *PROGESTERONE, analysis/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM

Rapid radioimmunoassay of triiodothyronine. Sekadde CB, et al. *Clin Chem* 19:1016-21, Sep 73

COMPARATIVE STUDY/ CROSS REACTIONS/ EVALUATION STUDIES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ KINETICS/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYROID GLAND, metabolism/ THYROIDITIS, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood

The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Setchell KD, et al. *Clin Chim Acta* 47:381-8, 14 Sep 73

ADULT/ ANDROSTANES, urine/ ANDROSTERONE, urine/ CHOLESTEROL, blood/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ CORTICOSTERONE, urine/ CORTISONE, blood/ ETIOCHOLANOLONE, urine/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ HYDROXYPROGESTERONE, blood/ MALE/ METHODS/ PREGNANETRIOL, urine/ PROGESTERONE, blood/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STERIODS, analysis

Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some laboratory factors affecting assay results. Seth J. *Clin Chim Acta* 46:431-41, 27 Jul 73

AUTOANALYSIS/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ DRUG STABILITY/ EVALUATION STUDIES/ FREEZING/ GEL FILTRATION/ HEMOLYSIS/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE RADIOISOTOPES/ METHODS/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPERATURE/ THYROID GLAND, metabolism/ *THYROXINE, blood/ TIME FACTORS

17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schneider JJ. *J Chem Soc [Perkin I]* 13:1361-5, 1973

*CORTISONE/ HYDROXYSTERIODS, analysis/ *KETOSTEROIDS, analysis/ METHODS/ OPTICAL ROTATORY DISPERSION/ *PREGNENES, analysis/ PREGNENES, chem synthesis/ PREGNENES, classification/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS/ STRUCTURE-ACTIVITY RELATIONSHIP

High-efficiency liquid chromatography in pharmaceutical analysis. Bailey F, et al. *J Chromatogr* 83:431-7, 29 Aug 73

BETAMETHASONE, analysis/ CHEMISTRY/ CHLORMADINONE, analysis/

CHROMATOGRAPHY/ DRUG STABILITY/ EPHEDRINE, analysis/ ESTRADIOL, analysis/ FERMENTATION/ FLUOCINOLONE ACETONIDE, analysis/ *GRISEOFULVIN, analysis/ METHODS/ MICROCHEMISTRY/ OINTMENTS/ PHARMACEUTIC AIDS/ PROGESTERONE, analysis/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STERIODS, analysis/ TABLETS

The analysis of estrogenic steroids in urine by high-speed liquid chromatography. Dolphin RJ. *J Chromatogr* 83:421-30, 29 Aug 73

AUTOANALYSIS/ CHROMATOGRAPHY/ ESTRADIOL, urine/ ESTRADIOL, urine/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ PRESSURE/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET

Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus-luteum ovary and its partner. Smith OW, et al. *Steroids* 22:379-99, Sep 73

ANDROSTENEDIONE, isolation & purification/ CARBON RADIOISOTOPES/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *CORPUS LUTEUM, metabolism/ CRYSTALLIZATION/ ESTERS, isolation & purification/ ESTRADIOL, biosynthesis/ ESTRADIOL, biosynthesis/ *ESTROGENS, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ HUMAN/ HYDROXYSTERIODS, isolation & purification/ IN VITRO/ METHODS/ ORGAN WEIGHT/ *OVARY, metabolism/ OVULATION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTOSTERONE, isolation & purification/ *TESTOSTERONE, metabolism

[Quantitative estimation of unconjugated cortisol, cortisone, corticosterone, cortexone and cortexolone by thin-layer chromatography (author's transl)] Hartmann F, et al. *Res Exp Med (Berl)* 161:165-74, 22 Aug 73 (Eng. Abstr.) (Ger)

CHROMATOGRAPHY, THIN LAYER/ CORTISONE, analysis/ DESOXYCORTICOSTERONE, analysis/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, analysis/ HYDROCORTISONE, analysis/ METHODS/ SPECTROPHOTOMETRY, ULTRAVIOLET

SPECTRUM ANALYSIS

17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids. Schneider JJ. *J Chem Soc [Perkin I]* 13:1361-5, 1973

*CORTISONE/ HYDROXYSTERIODS, analysis/ *KETOSTEROIDS, analysis/ METHODS/ OPTICAL ROTATORY DISPERSION/ *PREGNENES, analysis/ PREGNENES, chem synthesis/ PREGNENES, classification/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS/ STRUCTURE-ACTIVITY RELATIONSHIP

SPECTRUM ANALYSIS, MASS

Quantitative studies on prostaglandin synthesis in man. II. Determination of the major urinary metabolite of prostaglandins F1 alpha and F2 alpha. Hamberg M. *Anal Biochem* 55:368-78, Oct 73

CARBON RADIOISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ DRUG STABILITY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ ISOTOPE LABELING/ MALE/ METHODS/ *PROSTAGLANDINS, urine/ SPECTRUM ANALYSIS, MASS/ TIME FACTORS/ TRITIUM

Trimethyl silyl ether-enol-trimethyl silyl ether--a new type of derivative for the gas phase study of hormonal steroids. Chambaz EM, et al. *Anal Chem* 46:1090-8, Jun 73

METHOD SECTION

ADRENAL CORTEX HORMONES, analysis/
CHOLESTEROL, analysis/
CHROMATOGRAPHY, GAS/ HUMAN/
HYDROXYSTERIODS, analysis/ INDICATORS
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MAGNETIC RESONANCE/ *SILICON/
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analysis

Mass fragmentographic analysis of steroids,
catecholamines, and amino acids in biological
materials. Maume BF, et al.

Anal Chem 46:1073-82, Jun 73

ADRENAL GLANDS, analysis/ *AMINO ACIDS,
analysis/ *CATECHOLAMINES, analysis/
CELLS, CULTURED/ CHROMATOGRAPHY,
GAS/ CORTICOSTERONE, blood/ ESTROGENS,
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MYOCARDIUM, analysis/ PREGNANCY/
RATS/ SPECTRUM ANALYSIS, MASS/
*STERIODS, analysis

Computer evaluation of gas chromatographic-mass
spectrometric analyses of steroids from biological
materials. Reimendal R, et al.

Anal Chem 46:1083-9, Jun 73

*ANDROSTANES, analysis/ ANIMAL
EXPERIMENTS/ CATTLE/
CHORIOCARCINOMA, metabolism/
*CHROMATOGRAPHY, GAS/ *COMPUTERS,
DIGITAL/ CORPUS LUTEUM, analysis/
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METHODS/ *PREGNANES, analysis/
*SPECTRUM ANALYSIS, MASS/ STEROIDS,
blood/ STEROIDS, metabolism/ STEROIDS,
urine

Chemical ionization mass spectrometry of complex
molecules. XI. Stereochemical and conformational
effects in the isobutane chemical ionization mass
spectra of some steroidal amino alcohols. Longevialle
P, et al. J Am Chem Soc 95:6666-9, 3 Oct 73

*AMINO ALCOHOLS, analysis/ *BUTANES/
HYDROGENATION/ IONS/ ISOMERISM/

METHODS/ *MOLECULAR CONFORMATION/
*PREGNANES, analysis/ *SPECTRUM
ANALYSIS, MASS/ STEREOISOMERS/
STRUCTURE-ACTIVITY RELATIONSHIP

Diurnal variations in excretion of corticosteroid
metabolites in bile from male and female rats. Begue
RJ, et al. J Steroid Biochem 4:393-400, Jul 73

ADRENAL CORTEX HORMONES, analysis/
*ADRENAL CORTEX HORMONES, metabolism/
ANIMAL EXPERIMENTS/ *BILE, metabolism/
CARBON RADIOISOTOPES/
CHROMATOGRAPHY, GAS/ *CIRCADIAN
RHYTHM/ COMMON BILE DUCT, physiology/
DIMETHYL SULFOXIDE/ FEMALE/
GLUCURONATES, metabolism/ HYDROLYSIS/
MALE/ METHODS/ RATS/ SEX FACTORS/
SPECTRUM ANALYSIS, MASS/ SULFURIC
ACIDS, metabolism

Base-catalyzed silylation. A quantitative procedure for
the gas chromatographic-mass spectrometric analysis
of neutral steroids. Nicolsa SZ, et al.

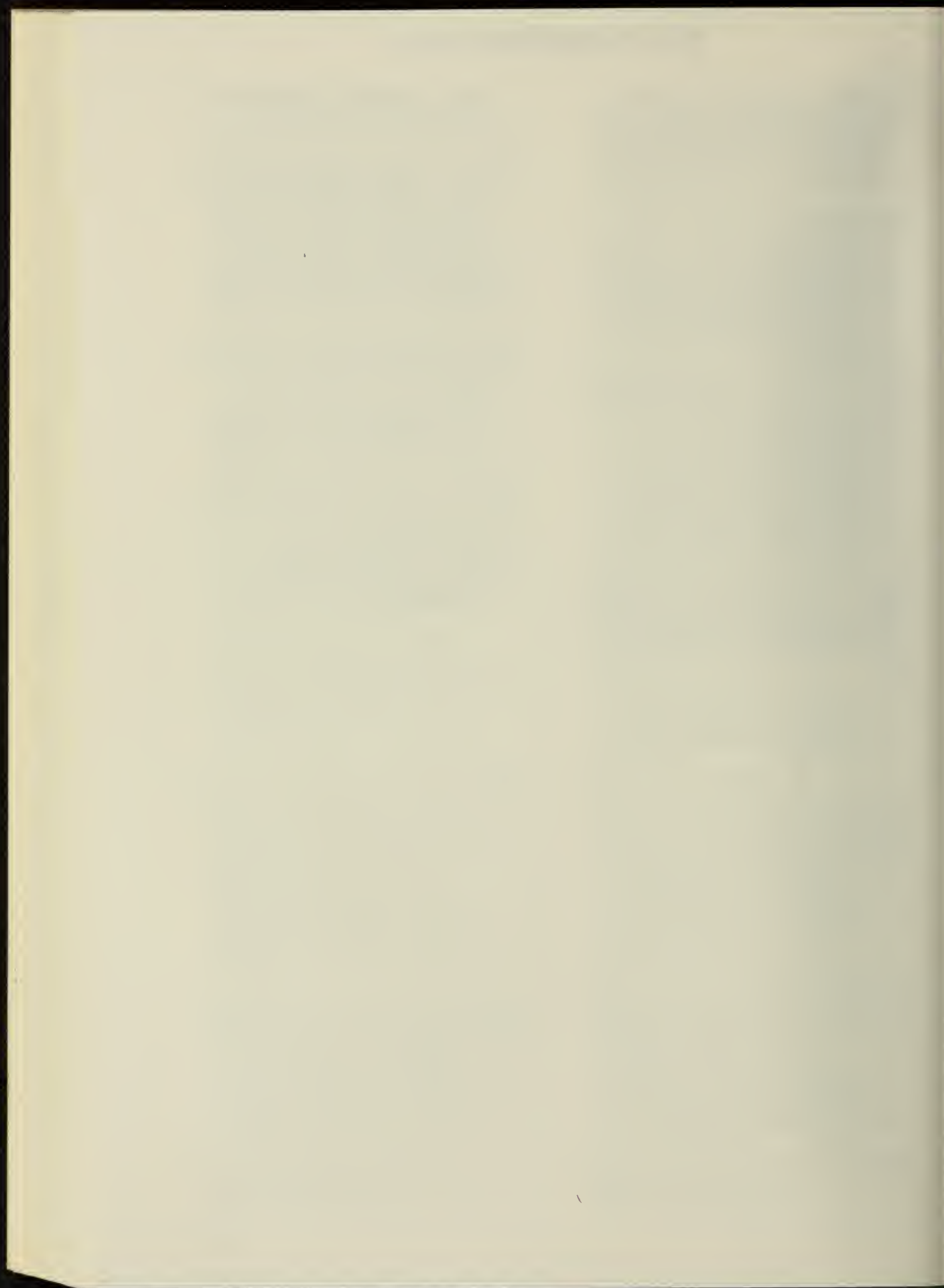
J Steroid Biochem 4:417-25, Jul 73

ADRENAL CORTEX HORMONES, urine/
CHROMATOGRAPHY, GAS/
11-HYDROXYCORTICOSTEROIDS, urine/
HYDROXYSTERIODS, urine/ KETOSTEROIDS,
urine/ METHANE/ METHODS/ *SILICON/
SPECTRUM ANALYSIS, MASS/ *STERIODS,
urine

A rapid quantitative method for the estimation of
oestriol in human pregnancy urine. Ree T van, et al.

S Afr Med J 47:1754-6, 29 Sep 73

ACETAMIDES/ ACETIC ACIDS/
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ *ESTRIOL, urine/ FEMALE/
HUMAN/ HYDROCHLORIC ACID/
HYDROLYSIS/ METHANE/ METHODS/
*PREGNANCY/ SILICON/ SPECTRUM
ANALYSIS, MASS



AUTHOR SECTION

A

1. Aarkrog T: Conditions in adolescents who were borderline psychotics as children. Three cases illustrating diagnostic and therapeutic problems. *Acta Psychiatr Scand* 49:377-85, 1973
ADOLESCENCE/ ADOLESCENT PSYCHIATRY/ ALCOHOL, ETHYL, therapeutic use/ *CHILD DEVELOPMENT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HOSPITAL PSYCHIATRIC DEPARTMENTS/ HOSPITALIZATION/ HUMAN/ MALE/ MOTHER-CHILD RELATIONS/ PERPHENAZINE, therapeutic use/ PERSONALITY DEVELOPMENT/ PIPERAZINES, therapeutic use/ PSYCHOTHERAPY/ PUBERTY/ *SCHIZOPHRENIA, diagnosis/ SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIA, therapy/ *SCHIZOPHRENIA, CHILDHOOD, diagnosis/ *SCHIZOPHRENIA, LATENT, diagnosis/ THIOXANTHENES, therapeutic use/ TRANQUILIZING AGENTS, therapeutic use
2. Aarli JA: Behandling rettet mot immunapparatet ved neurologiske sykdommer. *Tidsskr Nor Laegeforen* 93:1395-7, 30 Jun 73 (Nor)
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CORTICOTROPIN, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ *ENCEPHALOMYELITIS, ALLERGIC, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, therapeutic use/ *MULTIPLE SCLEROSIS, drug therapy/ *MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, radiotherapy/ MYASTHENIA GRAVIS, therapy/ *POLYRADICULITIS, drug therapy/ REVIEW/ THYMECTOMY
3. Aaron JE: Osteocyte types in the developing mouse calvarium. *Calcif Tissue Res* 12:259-79, 1973
ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM, analysis/ *MICE, growth & development/ *OSTEOCYTES/ OSTEOCYTES, analysis/ PHOSPHATES, analysis/ SKULL, cytology/ SKULL, embryology/ *SKULL, growth & development/ TIME FACTORS
4. Aarskog D: Forsinket puhertet og hypogonadisme hos gutter. *Tidsskr Nor Laegeforen* 93:1012-7, 20 May 73 (Nor)
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABNORMALITIES/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ HYPOGONADISM/ INFANT/ INFANT, NEWBORN/ MALE/ *PUBERTY/ *SEX DIFFERENTIATION DISORDERS
5. Abbasi A, Power L: Insulin and insulinlike activity in extracts of tumors associated with hypoglycemia. *Diabetes* 22:762-7, Oct 73
ADENOMA, complications/ ADENOMA, metabolism/ ADRENAL GLAND NEOPLASMS, metabolism/ BREAST NEOPLASMS, metabolism/ CARBON RADIOISOTOPES/ CARCINOMA, BRONCHOGENIC, metabolism/ HEPATOMA, metabolism/ HODGKIN'S DISEASE, metabolism/ HUMAN/ HYPOGLYCEMIA, etiology/ INSULIN, analysis/ *INSULIN, metabolism/ ISLET CELL TUMOR, complications/ *ISLET CELL TUMOR, metabolism/ LIVER NEOPLASMS, metabolism/ MELANOMA, metabolism/ NEOPLASM METASTASIS/ NEOPLASMS, complications/ *NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ SARCOMA, metabolism/ TISSUE EXTRACTS
6. Abdel-Aziz A, Bakry N: The reactivity of the rat uterus to sympathomimetics during the oestrous cycle and pregnancy and after parturition. *J Reprod Fertil* 35:217-23, Nov 73
ANIMAL EXPERIMENTS/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ *SYMPATHOMIMETICS, pharmacodynamics/ *UTERUS, drug effects
7. Abell DA: Abdominal pregnancy--urinary oestriol excretion. *S Afr Med J* 47:2031-2, 27 Oct 73
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ FEMALE/ HUMAN/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY, ABDOMINAL, complications/ *PREGNANCY, ABDOMINAL, urine/ PREGNANCY TOXEMIAS, complications/ TIME FACTORS
8. Abell E, Samman PD: Intradermal triamcinolone acetone injection in the yellow nail syndrome. *Trans St Johns Hosp Dermatol Soc* 59:114-7, 1973
FEMALE/ HUMAN/ INJECTIONS, INTRADERMAL/ MALE/ MIDDLE AGE/ *NAILS/ NAILS, growth & development/ *PIGMENTATION DISORDERS, drug therapy/ SYNDROME/ *TRIAMCINOLONE ACETONIDE, administration & dosage
9. Aberg H, Levander H, Westerberg KE: Mydrasis of unusual cause in a thrombocytopenic, anemic woman with temporary amaurosis. *Acta Med Scand* 194:151-5, 1973
ADULT/ *ANEMIA, complications/ AZATHIOPRINE, therapeutic use/ *BLINDNESS, etiology/ BLOOD CELL COUNT/ BLOOD PLATELETS/ CURETTAGE/ DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ INTRACRANIAL PRESSURE/ MENORRHAGIA, surgery/ PAPILLEDEMA, diagnosis/ PAPILLEDEMA, drug therapy/ *PAPILLEDEMA, etiology/ POSTOPERATIVE COMPLICATIONS/ PREDNISOLONE, therapeutic use/ RETINAL HEMORRHAGE, etiology/ SPLENECTOMY/ THROMBOPENIA, blood/ *THROMBOPENIA, complications/ THROMBOPENIA, drug therapy/ VISUAL ACUITY
10. Abillon E, Mermet-Bouvier R: Effect of wavelength on production of previtamin D2. *J Pharm Sci* 62:1688-91, Oct 73
CHEMISTRY/ *ERGOSTEROL, chem synthesis/ ISOMERISM/ KINETICS/ RADIATION EFFECTS/ TEMPERATURE/ *ULTRAVIOLET RAYS/ *VITAMIN D, radiation effects
11. Abolins-Krogis A: Fluorescence and histochemical studies of the calcification-initiating lipofuscin type pigment granules in the shell-repair membrane of the snail, *Helix pomatia* L. *Z Zellforsch Mikrosk Anat* 142:205-21, 1973
ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM/ CRYSTALLIZATION/ CYTOPLASMIC GRANULES/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ LIPIDS, analysis/ LYSOSOMES/ MICROSCOPY, FLUORESCENCE/ MUCOPOLYSACCHARIDES, analysis/ *PIGMENTS/ PROTEINS, analysis/ *SNAILS/ VERTEBRATES
12. Aboul-Dahab YK, Zaki K, Wishahli A, et al: Endocrine studies on schistosomiasis and malnutrition in children. *Acta Hepatogastroenterol (Stuttg)* 20:102-15, Mar-Apr 73
ADOLESCENCE/ ALANINE AMINOTRANSFERASE, metabolism/ CHILD/ CORTICOTROPIN, diagnostic use/ FEMALE/ GROWTH DISORDERS, diagnosis/ GROWTH DISORDERS, metabolism/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ HYPOPIUITARISM, diagnosis/ *HYPOPIUITARISM, etiology/ 17-KETOSTEROIDS, metabolism/ LIVER

AUTHOR SECTION

- DISEASES, diagnosis/ LIVER DISEASES, metabolism/ MALE/ METYRAPONE, diagnostic use/ *NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, diagnosis/ NUTRITION DISORDERS, metabolism/ PROTEIN-BOUND IODINE TEST/ *SCHISTOSOMA HAEMATOBIIUM/ *SCHISTOSOMA MANSONI/ *SCHISTOSOMIASIS, complications/ SCHISTOSOMIASIS, diagnosis/ SCHISTOSOMIASIS, metabolism
13. Abraham GE, Chakmakjian ZH: Serum steroid levels during the menstrual cycle in a bilaterally adrenalectomized woman.
J Clin Endocrinol Metab 37:581-7, Oct 73
ADRENAL GLAND DISEASES, surgery/
*ADRENALECTOMY/ ADULT/
*ANDROSTENEDIONE, blood/
*DEHYDROEPIANDROSTERONE, blood/
*ESTRADIOL, blood/ *ESTRONE, blood/
FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYDROXY-PREGNENOLONE, blood/
*HYDROXY-PROGESTERONE, blood/
*MENSTRUATION/ OVARY, secretion/
*PREGNENOLONE, blood/ *PROGESTERONE, blood/ *STANOLONE, blood/
*TESTOSTERONE, blood
 14. Abraham GJ, Tikare SS, Ahmed SS: Study of mechanism of action of cerebroventricularly perfused phentolamine on carotid occlusion response in cats.
Indian J Med Res 61:896-902, Jun 73
ADRENERGIC NEUROHUMOR DEPLETERS, pharmacodynamics/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/
*BLOOD PRESSURE, drug effects/ *CAROTID SINUS, physiology/ CATHETERIZATION/ CATS/ CEREBRAL AQUEDUCT/ *CEREBRAL VENTRICLES/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ FEMALE/ HYPOTHALAMUS, physiology/ INJECTIONS, INTRA-ARTERIAL/ MALE/ OLIVARY NUCLEUS, physiology/
PARASYMPATHOLYTICS, pharmacodynamics/ PERFUSION/ *PHENTOLAMINE, pharmacodynamics/ STEREOTAXIC TECHNIQUES/ VERTEBRAL ARTERY
 15. Abrams RM, Bazer FW: Cyclic variations in vaginal thermal conductance in ewes.
Am J Obstet Gynecol 117:480-2, 15 Oct 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ CATTLE/ EDEMA/ ESTROGENS, secretion/ *ESTRUS/ FEMALE/ HYPEREMIA/ PERIODICITY/ REGIONAL BLOOD FLOW/ SHEEP/ THERMAL CONDUCTIVITY/ TIME FACTORS/ VAGINA, blood supply/ *VAGINA, physiology/ VULVA, anatomy & histology
 16. Abreau C, Vagenakis A, Azizi F, et al: A single method for measuring total thyroxine and free thyroxine index in serum. J Nucl Med 14:740-6, Oct 73
BINDING, COMPETITIVE/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOPROTEINEMIA, blood/
HYPOTHYROIDISM, blood/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ METHODS/ PREGNANCY/ *THYROXINE, blood/
THYROXINE, therapeutic use/
THYROXINE-BINDING PROTEIN
 17. Acquatella H, Castillo R, Arévalo G: Essential hypernatremia, absence of thirst, hypopituitarism, and hypothalamic destruction due to a dysgerminoma.
Acta Neurol Lat Am 18:176-85, Apr-Jun 72
ADOLESCENCE/ BLOOD VOLUME/ DEHYDRATION/ *DISGERMINOMA, complications/ FEMALE/ HUMAN/
*HYPERNATREMIA/ *HYPOPITUITARISM/
*HYPOTHALAMUS/ OSMOLAR CONCENTRATION/ *THIRST/ WATER DEPRIVATION/ WATER-ELECTROLYTE BALANCE
 18. Adamić S: Effect of external pH on the choline entry into the rat diaphragm muscle fibre.
Biochem Pharmacol 22:2433-9, 1 Oct 73
 - ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CARBON RADIOISOTOPES/
*CHOLINE, metabolism/ DIAPHRAGM, metabolism/ EXTRACELLULAR SPACE, drug effects/ FEMALE/ *HYDROGEN-ION CONCENTRATION/ IN VITRO/ KINETICS/ MALE/ MANNITOL, metabolism/ MUSCLES, cytology/ *MUSCLES, metabolism/ RATS/ TRITIUM
 19. Adamson JE, Marten RH: Ichthyosis linearis circumflexa and Netherton's syndrome with idiopathic dwarfism. Proc R Soc Med 66:624-5, Jul CHILD/ *DWARFISM, complications/
*ECTODERMAL DEFECT, CONGENITAL, complications/ FEMALE/ *HAIR/ HUMAN/
*ICHTHYOSIS, complications/ *SCALP DERMATOSES, complications
 20. Adamus J: Ocena tzw. limfografi dotarczycow.
Pol Przegl Radiol 37:527-31, Jul-Aug 73 (P)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *LYMPHOGRAPHY/
MALE/ METHODS/ MIDDLE AGE/ *THYROID DISEASES, radiography/ *THYROID GLAND, radiography
 21. al-Adil KM, Kilgore WW, Painter RP: Effects of oral ingested aflatoxin B1 on nucleic acids and ribosomes of housefly ovaries.
Toxicol Appl Pharmacol 26:130-6, Sep 73
*AFLATOXIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ DNA, biosynthesis/ FEMALE/ *HOUSEFLIES/ LEUCINE, metabolism/ *NUCLEIC ACIDS, metabolism/ OROTIC ACID, metabolism/ *OVARY, cytology/ OVARY, drug effects/ PROTEINS, metabolism/ *RIBOSOMES, metabolism/ SUCROSE/ THYMIDINE, metabolism/ TRITIUM
 22. Adlard BP, Hamid J, Labedz R, et al: Uptake of (3) corticosterone and the immune response in growth-retarded rats. Pediatr Res 7:883-7, Nov
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *ANTIBODY FORMATION/ ANTIBODY PRODUCING CELLS/ BLOOD SUGAR, analysis/ BODY WEIGHT/ BRAIN, metabolism/ CARBOHYDRATES, analysis/
*CORTICOSTERONE, metabolism/ ERYTHROCYTES, immunology/ FEMALE/ GROWTH DISORDERS, immunology/
*GROWTH DISORDERS, metabolism/ HEMOLYSIS/ LIPIDS, blood/ LIVER, analysis/ NUTRITION DISORDERS, immunology/
NUTRITION DISORDERS, metabolism/ RATS/ SERUM ALBUMIN, analysis/ SHEEP, immunology/ SPLEEN, immunology/ SPLEEN, metabolism/ THYMUS GLAND, metabolism/ TRITIUM
 23. Adlard BP, Souza SW de, Moon S: The effect of ag growth retardation and asphyxia on ascorbic acid concentrations in developing brain.
J Neurochem 21:877-81, Oct 73
ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, metabolism/ *AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ASCORBIC ACID, blood/
*ASCORBIC ACID, metabolism/ *ASPHYXIA, metabolism/ *BRAIN, growth & development/ BRAIN STEM, growth & development/ BRAIN STEM, metabolism/ CEREBELLUM, growth & development/ CEREBELLUM, metabolism/
FEMALE/ FETUS/ GUINEA PIGS/ LIVER, growth & development/ LIVER, metabolism/ MALE/ *NUTRITION DISORDERS, metabolism/ PREGNANCY/ RATS/ STARVATION
 24. Adlercreutz H, Tikkanen MJ: Defects in hepatic uptake and transport and biliary excretion of estrogen. Some new concepts of liver metabolism.
Med Chir Dig 2:59-65, 1973
ADULT/ BILE, analysis/ BILIRUBIN, metabolism/ ESTRADIOL, metabolism/
*ESTROGENS, metabolism/ ESTROGENS, secretion/ FEMALE/ HUMAN/

AUTHOR SECTION

- HYPERBILIRUBINEMIA, HEREDITARY, metabolism/ JAUNDICE, etiology/ JAUNDICE, CHRONIC IDIOPATHIC, metabolism/ *LIVER, metabolism/ LIVER, secretion/ PREGNANCY/ PREGNANCY COMPLICATIONS, metabolism/ PRURITUS, etiology
25. Aehneit E, Romanowski W, Marré H: Klinische Hodenbefunde und Fruchtbarkeitsprognose bei Aufzuchtbullien.
Dtsch Tierärztl Wochenschr 80:293-8, 1 Jul 73 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/
*CATTLE/ ENGLISH ABSTRACT/
*FERTILITY/ HOUSING, ANIMAL/ MALE/
SEMEN, analysis/ TESTIS, anatomy & histology
26. Aguilar AR, Gomez F, Balsa FT, et al: Pityriasis rubra pilaris with muscle and joint involvement.
Dermatologica 143:361-6, 1973
AMINOTRANSFERASES, blood/ ARTHRITIS, drug therapy/ *ARTHRITIS, etiology/
ASPIRIN, therapeutic use/ BLOOD SEDIMENTATION/ CASE REPORT/
CHLOROQUINE, therapeutic use/ CREATINE, urine/ *DERMATOMYOSITIS, etiology/
HUMAN/ LATEX FIXATION TESTS/ LE CELLS/ MALE/ MIDDLE AGE/ *PITYRIASIS RUBRA PILARIS, complications/ PITYRIASIS RUBRA PILARIS, drug therapy/
PREDNISOLONE, therapeutic use/
PREDNISON, therapeutic use/ VITAMIN A, therapeutic use
27. Ahmann DL: The phase II study: some reflections, particularly concerning disseminated breast cancer.
Cancer Chemother Rep [Suppl] 3:29-32, 1 May 72
*ANTINEOPLASTIC AGENTS, therapeutic use/
*BREAST NEOPLASMS, drug therapy/
CARMUSTINE, therapeutic use/
CYCLOHEXANE/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ INTESTINAL NEOPLASMS, drug therapy/ LUNG NEOPLASMS, drug therapy/ MITOMYCIN, adverse effects/ *NEOPLASM METASTASIS, drug therapy/ NITROSOUREA COMPOUNDS, adverse effects/ NITROSOUREA COMPOUNDS, therapeutic use/ PREDNISON, therapeutic use
28. Ahmed A, Chiswick ML, Jack PM, et al: The pituitary and the development of surfactant in rabbit foetal lung. J Pathol 110:p8, Jul 73
ANIMAL EXPERIMENTS/ *FETUS, physiology/
GLUCOCORTICOIDS, physiology/ LUNG, pathology/ *PITUITARY GLAND, physiology/
*PULMONARY SURFACTANT, metabolism/
RABBITS
29. Ahmed J, Mester J: A rapid competitive protein-binding assay of unconjugated oestradiol in late pregnancy plasma.
Clin Chim Acta 48:37-43, Sep 28 1973
BINDING, COMPETITIVE/ DIABETES MELLITUS, blood/ *ESTRADIOL, blood/
EVALUATION STUDIES/ FEMALE/ HUMAN/
MATERNAL-FETAL EXCHANGE/ METHODS/
*PREGNANCY/ PREGNANCY IN DIABETES/
PROTEIN BINDING/ RECEPTORS, HORMONE/
TIME FACTORS/ TRITIUM
30. Aimard G, Trillet M, Boucher M: Aspects sémiologiques et évolutifs des tumeurs épiphysaires et de la région pinéale à la lumière de 52 observations.
Rev Otoneuroophthalmol 45:33-9, Jan-Feb 73 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CHILD/
CHILD, PRESCHOOL/ DEAFNESS, etiology/
DIABETES INSIPIDUS, etiology/ ENDOCRINE DISEASES, etiology/ EYE DISEASES, etiology/
FEMALE/ GLIOBLASTOMA MULTIFORME, complications/ GLIOMA, complications/
HUMAN/ HYDROCEPHALUS, etiology/
INFANT/ MALE/ MIDDLE AGE/
PAPILLOEDEMA, etiology/ PARALYSIS, etiology/ *PINEALOMA, complications
31. Aisbitt RP, Barry JM: Stimulation by insulin of ornithine decarboxylase activity in cultured mammary tissue.
Biochim Biophys Acta 320:610-6, 5 Oct 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CARBOXY-LYASES, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ FEMALE/ GROWTH SUBSTANCES, pharmacodynamics/
HALF-LIFE/ INSULIN, pharmacodynamics/
*INSULIN, pharmacodynamics/ LACTATION/
MAMMAE, drug effects/ *MAMMAE, enzymology/ MICE/ MICE, INBRED C3H/
ORGAN CULTURE/ ORNITHINE/
PREGNANCY/ SUBMANDIBULAR GLAND/
TIME FACTORS
32. Aitken JM, Hart DM, Lindsay R: Oestrogen replacement therapy for prevention of osteoporosis after oophorectomy. Br Med J 3:515-8, 8 Sep 73
AGE FACTORS/ ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD SUGAR/ BONE AND BONES, analysis/
CALCIUM, blood/ *CASTRATION, adverse effects/ DENSITOMETRY/ FEMALE/
HOMEOSTASIS/ HUMAN/ LACTATE DEHYDROGENASE, blood/ MESTRANOL, administration & dosage/ MESTRANOL, adverse effects/ *MESTRANOL, therapeutic use/ METACARPUS, analysis/ MIDDLE AGE/
MINERALS, analysis/ OSTEOPOROSIS, etiology/ *OSTEOPOROSIS, prevention & control/ PHOSPHORUS, blood/
POSTOPERATIVE COMPLICATIONS, prevention & control/ TIME FACTORS
33. Aitken RJ, Burton J, Hawkins J, et al: Histological and ultrastructural changes in the blastocyst and reproductive tract of the roe deer, Capreolus capreolus, during delayed implantation.
J Reprod Fertil 34:481-93, Sep 73
ANIMAL EXPERIMENTS/ CELLULAR INCLUSIONS/ *DEER, physiology/
ENDOPLASMIC RETICULUM/ FEMALE/
*GENITALIA, FEMALE/ GOLGI APPARATUS/
GRAAFIAN FOLLICLE, cytology/
HISTOCYTOCHEMISTRY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MITOSIS/
*NIDATION/ OVARY, cytology/ *OVUM/
OVUM, cytology/ PREGNANCY/ RIBOSOMES/
TROPHOBLAST, cytology/ UTERUS, cytology
34. Aivazashvili IM, Iordanishvili GS, Chikvaldze VN: O roli biogenykh aminov v mekhanizмах pamlati.
Dokl Akad Nauk SSSR 212:1479-81, 21 Oct 73 (Rus)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, physiology/ CONDITIONING, CLASSICAL/ *MEMORY/ MEMORY, drug effects/ PHENELZINE, pharmacodynamics/
PHENYLALANINE, pharmacodynamics/ RATS/
REFLEX, drug effects/ SEROTONIN, physiology
35. Akinsete FI, Kernohan IR, Dawson AA: Pituitary ablation for leucoerythroblastosis in carcinoma of breast. Lancet 2:1050-3, 10 Nov 73
*ADENOCARCINOMA, blood/ AGED/ BLOOD CELL COUNT/ BLOOD TRANSFUSION/
*BONE MARROW CELLS/ BONE NEOPLASMS/ *BREAST NEOPLASMS, blood/
BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ *CARCINOID TUMOR, blood/ *CARCINOMA, blood/
*ERYTHROCYTES/ FEMALE/ HUMAN/
MIDDLE AGE/ NEOPLASM METASTASIS/
PALLIATIVE TREATMENT/ *PITUITARY GLAND IRRADIATION/ POSTOPERATIVE COMPLICATIONS/ RADIOISOTOPES/
YTTRIUM ISOTOPES
36. Al-Saleem T, Al-Ashbal A: Surgical pathology of the thyroid gland in Iraq. A study of 200 cases.
Int Surg 58:623-7, Sep 73
*ADENOCARCINOMA, PAPILLARY, occurrence/ ADENOCARCINOMA, PAPILLARY, pathology/ *ADENOMA, occurrence/
ADENOMA, pathology/ ADOLESCENCE/
ADULT/ *CARCINOMA, PAPILLARY, occurrence/ CARCINOMA, PAPILLARY,

AUTHOR SECTION

- pathology/ *CYSTS, occurrence/ CYSTS, pathology/ FEMALE/ *GOITER, occurrence/ GOITER, pathology/ *GOITER, NODULAR, occurrence/ GOITER, NODULAR, pathology/ HUMAN/ IRAQ/ MALE/ MIDDLE AGE/ *THYROID DISEASES, occurrence/ *THYROID GLAND, pathology/ *THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, pathology/ *THYROIDITIS, LYMPHOMATOUS, occurrence/ THYROIDITIS, LYMPHOMATOUS, pathology
37. Alarcon-Segovia D, Diaz-Jouanen E: Case report: erythromalgia in systemic lupus erythematosus. *Am J Med Sci* 266:149-51, Aug 73
ADOLESCENCE/ ADULT/
*ERYTHROMELALGIA, complications/
ERYTHROMELALGIA, diagnosis/
ERYTHROMELALGIA, drug therapy/
FEMALE/ HUMAN/ *LUPUS
ERYTHEMATOSUS, SYSTEMIC, complications/
LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MIDDLE AGE/ PREDNISONE, therapeutic use
 38. Albeaux-Fernet M, Bellot L, Canet L, et al: L'année endocrinologique.
Annee Endocrinol 24:1-197, 1972 (9 ref.) (Fre)
ADRENAL CORTEX HORMONES, urine/
ADRENAL GLANDS, physiology/ BREAST NEOPLASMS, drug therapy/ CALCIUM, metabolism/ CIRCADIAN RHYTHM/ CUSHING'S SYNDROME, blood/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, urine/ DIABETES INSIPIDUS, etiology/ DIABETES MELLITUS, complications/ *ENDOCRINOLOGY/ ESTROGENS, therapeutic use/ FEMALE/ GENITALIA, FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYPOPHYSECTOMY/ HYPOTHYROIDISM, complications/ MALE/ MENSTRUATION/ PARKINSONISM, blood/ PUBERTY/ REVIEW/ SEASONS/ SOMATOTROPIN/ TESTIS/ THYROID DISEASES, physiopathology/ THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, radiography/ THYROID NEOPLASMS, therapy/ ULTRASONICS
 39. Albu I, Valda A, Grigorescu-Sido F: Ein Fall von mehrfacher heldseltiger Nierenanomalie beim Menschen. *Anat Anz* 133:207-13, 1973 (Ger)
ABNORMALITIES, MULTIPLE, pathology/ ARTERIES, abnormalities/ FEMALE/ HUMAN/ ILIAC ARTERY, abnormalities/ *KIDNEY, abnormalities/ MIDDLE AGE/ OVARY, blood supply/ *RENAL ARTERY, abnormalities/ RENAL VEINS, abnormalities/ VEINS, abnormalities
 40. Alderman B, Thelwall-Jones H: Application of the potentiating effect of prostaglandin E2 and oxytocin to induced second trimester abortion. *J Obstet Gynaecol Br Commonw* 80:1021-4, Nov 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ DRUG SYNERGISM/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MIDDLE AGE/ *OXYTOCIN, therapeutic use/ PREGNANCY/ *PROTAGLANDINS, therapeutic use/ PULSE/ TIME FACTORS
 41. Alekseev BV, Shuraeva TK: Smeshannala opukhol' karkovogo slola nadpoechnikov. *Khirurgiya (Mosk)* 49:112-3, Mar 73 (Rus)
*ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *NEOPLASMS, EMBRYONAL AND MIXED, diagnosis
 42. Alekseev PP, Ugnenko NM, Petukhov VN: Limfografiya, gisto-gematicheskaya pronitsaemost' i serotonin krov'i pri pervichnom varikoennom rasshirenii ven nizhnikh konechnostei. *Klin Med (Mosk)* 51:103-8, Aug 73 (Rus)
ADULT/ *CELL MEMBRANE PERMEABILITY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEG, blood supply/ *LYMPHOGRAPHY/ MALE/ MIDDLE AGE/ *SEROTONIN, blood/ TIME FACTORS/ VARICOSE VEINS, blood/ *VARICOSE VEINS, radiography
 43. Alevisaki CC, Ikko DG, Singhelakis P: Progressive decrease of true intestinal calcium absorption with age in normal man. *J Nucl Med* 14:760-2, Oct 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES, diagnostic use/ CHILD/ FEMALE/ HUMAN/ *INTESTINAL ABSORPTION/ MALE/ MIDDLE AGE/ REGRESSION ANALYSIS/ SEX FACTORS
 44. Alexander JW, Meakins JL, Mitchell M, et al: Lack of cyclic variation in antibacterial function of neutrophils. *J Reticuloendothel Soc* 14:266-79, Sep 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS, *BLOOD BACTERICIDAL ACTIVITY/ CASTRATION/ CATS/ COMPUTERS, DIGITAL/ DOGS/ FEMALE/ GONADS, physiology/ HYPOPHYSECTOMY/ MALE/ *NEUTROPHILS, physiology/ PERIODICITY/ PINEAL BODY, physiology/ PITUITARY GLAND, physiology/ RATS/ SHEEP/ THYROID GLAND, physiology/ THYROIDECTOMY
 45. Alexander NJ: Letter: Vasectomy: long-term effects. *Science* 182:946-7, 20 Nov 73
ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ EPIDIDYMIUM, pathology/ MALE/ RATS/ TESTIS, metabolism/ TESTIS, pathology/ VAS DEFERENS, pathology/ *VASECTOMY, adverse effects
 46. Alexander S, Lyne C: A preliminary clinical trial of hydrocortisone-17-butyrate. *Br J Clin Pract* 27:177-9, May 73
ADOLESCENCE/ ADULT/ AGED/ BETAMETHASONE, therapeutic use/ BUTYRATES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DERMATOLOGIC AGENTS, therapeutic use/ *ECZEMA, drug therapy/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ MIDDLE AGE/ *PSORIASIS, drug therapy
 47. Alfano J, Brownie AC, Orme-Johnson WH, et al: Adrenal mitochondrial cytochrome P-450 and cholesterol side chain cleavage activity. Difference in the response of the zona glomerulosa and zona fasciculata-reticularis to adrenocorticotrophic hormone and its withdrawal. *J Biol Chem* 248:7860-4, 25 Nov 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CHOLESTEROL, metabolism/ CORTICOSTERONE, blood/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ CYTOCHROME P-450, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRON SPIN RESONANCE/ FEMALE/ HYPOPHYSECTOMY. *MITOCHONDRIA, metabolism/ PITUITARY GLAND, physiology/ PREGNENOLONE, biosynthesis/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITUM
 48. Alford FP, Baker HW, Burger HG, et al: Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. II. Follicle-stimulating hormone, luteinizing hormone, testosterone and estradiol. *J Clin Endocrinol Metab* 37:848-54, Dec 73
ADULT/ CIRCADIAN RHYTHM/ *ESTRADIOL blood/ FEMALE/ *FSH, blood/ HUMAN/ IODINE RADIOISOTOPES/ *LH, blood/ MALE/ RADIOIMMUNOASSAY/ *SLEEP STAGES/ *TESTOSTERONE, blood/ *WAKEFULNESS
 49. Alford FP, Baker HW, Burger HG, et al: Temporal patterns of integrated plasma hormone levels during sleep and wakefulness. I. Thyroid-stimulating hormone, growth hormone and cortisol. *J Clin Endocrinol Metab* 37:841-7, Dec 73

AUTHOR SECTION

- ADULT/ BINDING, COMPETITIVE/
CIRCADIAN RHYTHM/ FEMALE/ HUMAN/
*HYDROCORTISONE, blood/ MALE/
RADIOIMMUNOASSAY/ *SLEEP STAGES/
*SOMATOTROPIN, blood/ STATISTICS/
*THYROTROPIN, blood/ *WAKEFULNESS
50. Alfrey AC, Miller NL: Bone magnesium pools in uremia.
J Clin Invest 52:3019-27, Dec 73
BONE AND BONES, analysis/ *BONE AND
BONES, metabolism/ DIALYSIS/ HUMAN/
KIDNEY, transplantation/ KIDNEY FAILURE,
CHRONIC, metabolism/ MAGNESIUM, analysis/
MAGNESIUM, blood/ *MAGNESIUM,
metabolism/ MAGNESIUM DEFICIENCY,
metabolism/ RADIOISOTOPES/ *UREMIA,
metabolism
51. Alho A: Effects of vasoactive drugs on lysosomal
stability in vitro.
Biochem Pharmacol 22:2521-7, 15 Oct 73
ADRENERGIC ALPHA RECEPTOR
BLOCKADERS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CELL FRACTIONATION/
*CHLORPROMAZINE, pharmacodynamics/
COMPARATIVE STUDY/ GLUCURONIDASE,
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*METHYLPREDNISOLONE, pharmacodynamics/
*PHENOXYBENZAMINE, pharmacodynamics/
*PHENTOLAMINE, pharmacodynamics/ RATS/
STATISTICS
52. Allen A, Ramon T, Jacobson A, et al: In vitro studies of
human tumor and embryonic tissue.
Trans Pac Coast Obstet Gynecol Soc 40:8-14, 1973
ANTINEOPLASTIC AGENTS, therapeutic use/
BREAST NEOPLASMS, drug therapy/
CARCINOMA, BRONCHOGENIC, drug therapy/
CERVIX NEOPLASMS, drug therapy/
COMPARATIVE STUDY/ CORTISONE,
therapeutic use/ EMBRYO/ ESTROGENIC
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FEMALE/ HUMAN/ IN VITRO/ METHODS/
*NEOPLASMS, drug therapy/ OVARIAN
NEOPLASMS, drug therapy/ PROGESTERONE,
therapeutic use/ SARCOMA, OSTEOGENIC,
drug therapy/ TESTOSTERONE, therapeutic
use/ *TISSUE CULTURE
53. Allen JE, Goodman DB, Besarab A, et al: Studies on the
biochemical basis of oxygen toxicity.
Biochim Biophys Acta 320:708-28, 5 Oct 73
ADENOSINE TRIPHOSPHATE, metabolism/
ALDOSTERONE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT/
BLADDER, drug effects/ *BLADDER,
metabolism/ BUFO MARINUS/ CARBON
RADIOISOTOPES/ COMPARATIVE STUDY/
CORTICOSTERONE, pharmacodynamics/
CYANIDES, pharmacodynamics/ EPITHELIUM,
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HYDROCORTISONE, pharmacodynamics/
MEMBRANE POTENTIALS/ *OXYGEN,
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PHOSPHOLIPIDS, metabolism/
PROGESTERONE, pharmacodynamics/
PYRUVATES, metabolism/ SODIUM,
metabolism/ TIME FACTORS/ VASOPRESSIN,
pharmacodynamics
54. Allen WE, Hadley JC: Proceedings: Peripheral blood
levels of progesterone in pony mares during the
oestrous cycle and early pregnancy.
Vet Rec 93:77, 21 Jul 73
ANIMAL EXPERIMENTS/ *ESTRUS/
FEMALE/ FETAL DEATH, veterinary/
*HORSES, physiology/ PREGNANCY/
*PREGNANCY, ANIMAL/ *PROGESTERONE,
blood
55. Altenähr E, Saeger W: Light and electron microscopy of
parathyroid carcinoma. Report of three cases.
Virchows Arch [Pathol Anat] 360:107-22, 9 Aug 73
ADULT/ *CARCINOMA, pathology/ CELL
NUCLEUS/ HUMAN/ LYMPHATIC
METASTASIS/ MALE/ MICROSCOPY,
ELECTRON/ MIDDLE AGE/ MITOSIS/
NEOPLASM METASTASIS/ PARATHYROID
NEOPLASMS, complications/ PARATHYROID
NEOPLASMS, etiology/ *PARATHYROID
NEOPLASMS, pathology/ VOCAL CORD
PARALYSIS, etiology
56. Altland PD, Highman B, Sellner RG: Tolerance of
cold-acclimated and unacclimated rats to hypoxia at
1.7 degrees C. Int J Biometeorol 17:59-71, Mar 73
*ACCLIMATIZATION/ ALANINE
AMINOTRANSFERASE, metabolism/
ALDOLASE, metabolism/ ANIMAL
EXPERIMENTS/ ANOXIA, pathology/
*ANOXIA, physiology/ ASPARTATE
AMINOTRANSFERASE, metabolism/ BLOOD
SUGAR/ BLOOD UREA NITROGEN/ BODY
TEMPERATURE/ *COLD/ CORTICOSTERONE,
blood/ CREATINE KINASE, metabolism/
KIDNEY TUBULES, pathology/ LACTATE
DEHYDROGENASE, metabolism/ LACTATES,
blood/ LIPIDS, metabolism/ LIVER
GLYCOGEN, metabolism/ MALE/ MUSCLES,
metabolism/ MYOCARDIUM, pathology/ RATS
57. Altman RD, Johnston CC, Khairi MR, et al: Influence of
disodium etidronate on clinical and laboratory
manifestations of Paget's disease of bone (osteitis
deformans). N Engl J Med 289:1379-84, 27 Dec 73
ADMINISTRATION, ORAL/ AGED/ ALKALINE
PHOSPHATASE, blood/ BONE AND BONES,
metabolism/ CLINICAL RESEARCH/
DOSE-RESPONSE RELATIONSHIP, DRUG/
DRUG EVALUATION/ FEMALE/ FLUORIDES/
HUMAN/ HYDROXYPROLINE, urine/
ISOTOPES/ MALE/ MIDDLE AGE/
*ORGANOPHOSPHORUS COMPOUNDS,
therapeutic use/ OSTEITIS DEFORMANS,
blood/ *OSTEITIS DEFORMANS,
drug therapy/ OSTEITIS DEFORMANS,
metabolism/ OSTEITIS DEFORMANS,
radiography/ OSTEITIS DEFORMANS, urine/
PAIN, drug therapy/ PLACEBO/ SODIUM
ETIDRONATE, administration & dosage/
SODIUM ETIDRONATE, therapeutic use/
STRONTIUM ISOTOPES/ TIME FACTORS
58. Altweln JE, Gittes RF: Untersuchung der
hypophysär-gonadalen Wechselbeziehung beim
experimentellen Kryptorchismus.
Urol Int 28:370-8, 1973 (Ger)
ANIMAL EXPERIMENTS/ *CRYPTORCHISM,
physiology/ DISEASE MODELS, ANIMAL/
ENGLISH ABSTRACT/ FEEDBACK/ *FSH,
blood/ FSH, metabolism/ FSH, physiology/
*LH, blood/ LH, metabolism/ LH, physiology/
LH-FSH RELEASING HORMONE, physiology/
MALE/ *PITUITARY GLAND, physiology/
RADIOIMMUNOASSAY/ RATS/ *TESTIS,
physiology
59. Alvarez-Buylla R, Deleón I, De Alvarez-Buylla ER:
Gonadal function in hypophysectomized dogs with
glandular transplants in the sella turcica.
Acta Physiol Lat Am 23:75-82, 1973
ADRENAL GLANDS, transplantation/ ANIMAL
EXPERIMENTS/ DOGS/ EJACULATION/
ESTROGENS, secretion/ ESTRUS/ *GONADS,
physiology/ HUMAN/ HYPOPHYSECTOMY/
LIVER, transplantation/ MALE/ OVARY,
anatomy & histology/ OVARY, transplantation/
PANCREAS, transplantation/ *PITUITARY
GLAND, physiology/ PREGNANCY/
*SALIVARY GLANDS, transplantation/
*SELLA TURCICA, surgery/
SPERMATOGENESIS/ TESTIS, anatomy &
histology/ THYROID GLAND, transplantation/
TIME FACTORS/ TRANSPLANTATION,
HOMOLOGOUS
60. Amat P, Boya J: Ultrastructural observations on the
genesis and extrusion of secretory granules in the
adenohypophysis. Acta Anat (Basel) 86:44-52, 1973
ANIMAL EXPERIMENTS/ BASEMENT
MEMBRANE/ CAPILLARIES, cytology/ CELL
MEMBRANE/ *CONNECTIVE TISSUE CELLS,
cytology/ *CYTOPLASMIC GRANULES/
FEMALE/ *GOLGI APPARATUS/ GUINEA
PIGS/ HUNGER/ HYPOPHYSECTOMY/ MALE/
MICROSCOPY, ELECTRON/ *PITUITARY

AUTHOR SECTION

- GLAND, cytology/ PITUITARY GLAND, secretion/ THIRST/ THYROIDECTOMY
61. Ambache N, Killick SW, Zar MA: Antagonism by burlimamide of inhibitions induced by histamine in plexus-containing longitudinal muscle preparations from guinea-pig ileum.
Br J Pharmacol 48:362P-363P, Jun 73
ANIMAL EXPERIMENTS/
ANTI-HISTAMINICS, pharmacodynamics/
ATROPINE, pharmacodynamics/ BENZYL
COMPOUNDS, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ELECTRIC STIMULATION/
ETHYLENEDIAMINES, pharmacodynamics/
GUINEA PIGS/ *HISTAMINE,
pharmacodynamics/ *ILEUM, drug effects/
IMIDAZOLES, pharmacodynamics/ IN VITRO/
*MUSCLE CONTRACTION, drug effects/
MUSCLE, SMOOTH, drug effects/ PYRIDINES,
pharmacodynamics/ RECEPTORS, DRUG, drug
effects/ *THIOUREA, pharmacodynamics
 62. Ambrus JL, Mirand EA: Effect of autologous bone marrow transplantation and anabolic steroid on erythropoietin production and hemopoietic recovery after whole body irradiation and treatment with alkylating agents. J Med (Basel) 4:65-81, 1973
ANEMIA, mortality/ ANIMAL EXPERIMENTS/
AUTOPSY/ *BONE MARROW CELLS,
transplantation/ ERYTHROPOIESIS, drug
effects/ *ERYTHROPOIETIN, biosynthesis/
ESCHERICHIA COLI/ FEMALE/ HEMATOMA,
mortality/ *HEMATOPOIESIS, drug effects/
HEMORRHAGE, mortality/ IRON
RADIOISOTOPES/ LEUKOCYTE COUNT/
LEUKOCYTES, drug effects/ LEUKOCYTES,
radiation effects/ LEUKOCYTOSIS, chemically
induced/ LEUKOPENIA, etiology/ MACACA/
MALE/ MICE/ MONKEYS/ *NANDROLONE,
pharmacodynamics/ *NITROGEN MUSTARD
COMPOUNDS, pharmacodynamics/
POLYSACCHARIDES, BACTERIAL,
pharmacodynamics/ *RADIATION INJURIES,
EXPERIMENTAL, therapy/ TIME FACTORS/
TRANSPLANTATION, AUTOLOGOUS
 63. Amtorp O, Sorensen SC: The permeability of the blood-brain barrier to 51Cr-EDTA in rabbits with experimental allergic encephalomyelitis.
Acta Neurol Scand 49:327-30, 1973
ANIMAL EXPERIMENTS/ *BLOOD-BRAIN
BARRIER/ BRAIN STEM, analysis/
CEREBELLUM, analysis/ CHROMIUM
RADIOISOTOPES/ EDTA, analysis/ *EDTA,
metabolism/ *ENCEPHALOMYELITIS,
ALLERGIC, metabolism/ FEMALE/
MESENCEPHALON, analysis/ PROTEIN-BOUND
IODINE TEST/ RABBITS/ SERUM ALBUMIN,
RADIO-IODINATED/ SPECTROMETRY,
GAMMA/ TIME FACTORS
 64. Amy JJ, Karim SM, Sivasamboo R: Intra-amniotic administration of prostaglandin 15 (S) 15-methyl-E2 methyl ester for termination of pregnancy.
J Obstet Gynaecol Br Commonw 80:1017-20, Nov 73
*ABORTION, INDUCED/ *ABORTION,
THERAPEUTIC/ *AMNION/ BODY
TEMPERATURE, drug effects/ FEMALE/
GESTATIONAL AGE/ HUMAN/ PREGNANCY/
*PROSTAGLANDINS, administration & dosage/
PROSTAGLANDINS, therapeutic use/ TIME
FACTORS/ VOMITING
 65. Andersen GJ, Connon AF, Cummings EJ, et al: Significance of maternal weight patterns in pregnancy. Med J Aust 2:427-9, 1 Sep 73
*BODY WEIGHT/ CALCINOSIS, occurrence/
FEMALE/ *FETAL DISEASES, occurrence/
HUMAN/ INFARCTION, occurrence/
PLACENTA, blood supply/ *PLACENTA
DISORDERS, occurrence/ PREGNANCY/
*PREGNANCY TOXEMIAS, occurrence/ TIME
FACTORS
 66. Anderson BG, Belerwaltes WH, Harrison TS, et al: Labeled dopamine concentration in pheochromocytomas. J Nucl Med 14:781-4, Nov 73
ADIPOSE TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ *CARBON RADIOISOTOPES/
DOGS/ *DOPAMINE, metabolism/
EPINEPHRINE, metabolism/ HUMAN/ LIVER/
metabolism/ MUSCLES, metabolism/
NOREPINEPHRINE, metabolism/
*PHEOCHROMOCYTOMA, metabolism/
PHEOCHROMOCYTOMA, surgery/
RADIOISOTOPE SCANNING/ TIME FACTOR
 67. Anderson DL, Thompson GW: Interrelationships of sex differences of dental and skeletal measurements. J Comp Neurol 52:431-8, May-Jun 73
ADOLESCENCE/ ADULT/ ANTHROPOMETRY/
*CEPHALOMETRY/ CHILD/ CHILD,
PRESCHOOL/ CUSPID, anatomy & histology/
FEMALE/ FINGERS, anatomy & histology/
FINGERS, growth & development/ *FORENS
DENTISTRY/ GROWTH/ HUMAN/ MALE/
MANDIBLE/ ODONTOLOGY/ SEX
CHROMOSOMES/ SEX FACTORS/ *TOOTH,
anatomy & histology/ TOOTH ERUPTION
 68. Anderson LL, Ford JJ, Melampy RM, et al: Relaxin porcine corpora lutea during pregnancy and after hysterectomy. Am J Physiol 225:1215-9, Nov
ANIMAL EXPERIMENTS/ CORPUS LUTEUM
drug effects/ *CORPUS LUTEUM, metabolism/
ESTRADIOL, pharmacodynamics/ ESTRUS/
FEMALE/ GESTATIONAL AGE/
*HYSTERECTOMY/ LACTATION/ ORGAN
WEIGHT/ OVARY, metabolism/ OXYTOCIN,
pharmacodynamics/ *PREGNANCY/ *RELAXIN
metabolism/ *SWINE, physiology/ TIME
FACTORS
 69. Anderson LS, Forrest JV: Tumors of the diaphragm. Am J Roentgenol Radium Ther Nucl Med 119:259-60, Oct 73
ABDOMINAL NEOPLASMS, radiography/
ADULT/ CALCINOSIS, radiography/ COLONIC
NEOPLASMS, radiography/ CYSTS,
radiography/ *DIAPHRAGM/
ECHINOCOCCOSIS, radiography/
ENDOMETRIOSIS, radiography/ FEMALE/
FIBROSARCOMA, radiography/ HUMAN/
LEIOMYOSARCOMA, radiography/ LIPOMA,
radiography/ LIVER NEOPLASMS,
radiography/ LUNG NEOPLASMS, radiography/
NEOPLASM CIRCULATING CELLS/
NEOPLASM METASTASIS/ *NEOPLASMS,
radiography/ OVARIAN NEOPLASMS,
radiography/ PNEUMOTHORAX, radiography/
SARCOMA, radiography
 70. Anderson RR, Lu MH, Wippler JP, et al: Thyroid hormone secretion rates in growing Jersey cattle. J Dairy Sci 56:1159-63, Sep 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS
BODY WEIGHT/ CATTLE, growth &
development/ *CATTLE, physiology/ FEMALE/
IODINE, blood/ IODINE RADIOISOTOPES/
MALE/ PROTEIN BINDING/ SECRETORY
RATE/ THYROXINE, blood/ *THYROXINE,
secretion
 71. Anderson TJ: The significance of mast cells in human parathyroid glands. J Pathol 110:pv, Jul 73
HUMAN/ *MAST CELLS/ PARATHYROID
GLANDS, blood supply/ *PARATHYROID
GLANDS, pathology/ PARATHYROID GLAND
secretion/ PARATHYROID HORMONE,
secretion
 72. Anderson WB, Pastan I: The cyclic AMP receptor of Escherichia coli: immunological studies in extracts of Escherichia coli and other organisms.
Biochim Biophys Acta 320:577-87, 5 Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/
AEROBACTER AEROGENES, analysis/
AEROBIOLOGICAL/ ANAEROBIOLOGICAL/
ANTIGEN-ANTIBODY REACTIONS/ BACILLUS
SUBTILIS, analysis/ BINDING SITES/
CLOSTRIDIUM, analysis/ COMPARATIVE
STUDY/ *ESCHERICHIA COLI, analysis/
ESCHERICHIA COLI, immunology/ GEL
DIFFUSION TESTS/ MUTATION/
PHOTOBACTERIUM, analysis/ PLANTS,
analysis/ PROTEIN BINDING/ PROTEUS,
analysis/ RABBITS, immunology/
*RECEPTORS, DRUG/ SALMONELLA

AUTHOR SECTION

- TYPHIMURIUM, analysis/ SPECIES
SPECIFICITY/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ STAPHYLOCOCCUS, analysis/
TIME FACTORS/ TRITIUM/ ULTRASONICS
73. Andersson R, Harthorn L, Hedström M, et al: Inhibition of cyclic AMP formation and lipolysis in rat adipose tissue by nicotinic acid.
Atherosclerosis 18:399-406, Nov-Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADIPOSE TISSUE, analysis/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CHEMICAL ENGINEERING/ DEPRESSION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLYCERIN, metabolism/ *LIPIDS, metabolism/ MALE/ *NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ RATS/ THEOPHYLLINE, antagonists & inhibitors/ THEOPHYLLINE, pharmacodynamics
74. Andler W: Endokriner Zwergwuchs und Diabetes insipidus als Folge einer Meningitis tuberculosa.
Klin Paediatr 185:213-6, May 73 (Ger)
ADOLESCENCE/ BLOOD SUGAR, analysis/ CASE REPORT/ *DIABETES INSIPIDUS, etiology/ DIABETES INSIPIDUS, urine/ DWARFISM, PITUITARY, blood/ *DWARFISM, PITUITARY, etiology/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ POLYURIA, etiology/ SOMATOTROPIN, blood/ *TUBERCULOSIS, MENINGEAL, complications
75. Andre J, Rochefort H: Estrogen receptor: loss of DNA binding ability following trypsin or Ca²⁺ treatment.
FEBS Lett 32:330-4, 1 Jun 73
ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM, pharmacodynamics/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ *DNA, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ GEL FILTRATION/ ISOFLUOROPHATE, pharmacodynamics/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYMUS GLAND/ TIME FACTORS/ TRITIUM/ *TRYPSIN, pharmacodynamics/ TRYPSIN INHIBITORS, pharmacodynamics/ UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism
76. Andrew CG, Roses AD, Almon RR, et al: Phosphorylation of muscle membranes: Identification of a membrane-bound protein kinase.
Science 182:927-9, 20 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CELL MEMBRANE, enzymology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ MAGNESIUM/ MOLECULAR WEIGHT/ MUSCLES, cytology/ *MUSCLES, enzymology/ OXIDATIVE PHOSPHORYLATION/ PEPTIDES, metabolism/ PHOSPHORUS RADIOISOTOPES/ *PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ RATS/ SERINE, metabolism/ THREONINE, metabolism
77. Andrew RJ: The evocation of calls by diencephalic stimulation in the conscious chick.
Brain Behav Evol 7:424-48, 1973
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ BEHAVIOR, ANIMAL/ BRAIN MAPPING/ *CHICKENS, physiology/ COMPARATIVE STUDY/ *DIENTEPHALON, physiology/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ MALE/ MAMMALS/ MOVEMENT/ NEURAL INTERCONNECTIONS/ STARTLE REACTION/ *VOCALIZATION, ANIMAL
78. Andrews J: Thiocyanate and smoking in pregnancy.
J Obstet Gynaecol Br Commonw 80:810-4, Sep 73
BIRTH WEIGHT/ BLOOD/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYPERTENSION, occurrence/ *PREGNANCY/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, occurrence/ *SMOKING/ *THIOCYANATES, blood/ UMBILICAL CORD
79. Andrysek O, Dienstbier Z, Semonský M, et al: Preliminary clinical trials of butocin (NSC-172755) in patients with generalized carcinoma of the breast.
Cancer Chemother Rep 57:311-8, Sep-Oct 73
ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, surgery/ CARCINOMA, BRONCHOGENIC, drug therapy/ CARCINOMA, SCIRRHUS, surgery/ CLINICAL RESEARCH/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG EVALUATION/ FEMALE/ GLYCINE, therapeutic use/ HUMAN/ IODINE RADIOISOTOPES/ MASTECTOMY/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, drug therapy/ PILOT PROJECTS/ *PURINES, therapeutic use/ SULFIDES, therapeutic use/ TIME FACTORS/ VALERATES, therapeutic use
80. Angeli A, Frajria R, Boccuzzi G, et al: Paradoxical response of plasma cortisol to pulse intravenous injection of synthetic corticotrophin and dibutylrly cyclic adenosine 3',5'-monophosphate in adult panhypopituitarism.
Acta Endocrinol (Kbb) 74:250-62, Oct 73
ADOLESCENCE/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, therapeutic use/ DIBUTYRYL CYCLIC AMP, administration & dosage/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, therapeutic use/ FEMALE/ HEART RATE, drug effects/ HUMAN/ *HYDROCORTISONE, blood/ 11-HYDROXYCORTICOSTEROIDS, blood/ *HYPOPITUITARISM, drug therapy/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ STIMULATION, CHEMICAL/ TIME FACTORS
81. Angelov E: Rane efekt na kortizola vorkbu aktivnostta na glukozo-6-fosfatazata v cheren drob na plukh.
Eksp Med Morfol 11:124-8, 1972 (Bul)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GLUCOSEPHOSPHATASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ RATS
82. Anghleri LJ: Calcium binding to phospholipids from experimental tumors.
Z Krebsforsch 78:337-44, 29 Dec 72
ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ CARCINOMA, EHRlich TUMOR, metabolism/ CELL MEMBRANE PERMEABILITY/ HEPATOMA, metabolism/ LEUKEMIA, EXPERIMENTAL, metabolism/ LYMPHOSARCOMA, metabolism/ MELANOMA, metabolism/ *NEOPLASMS, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ *PHOSPHOLIPIDS, metabolism/ SARCOMA, JENSEN, metabolism
83. Anghleri LJ: The effects of gallium (Ga³⁺) on radlocalcium metabolism in tumors.
J Nucl Biol Med 17:1-4, Jan-Mar 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ *CARCINOMA, EHRlich TUMOR, metabolism/ *GALLIUM, pharmacodynamics/ KIDNEY, metabolism/ LEUKEMIA, EXPERIMENTAL, metabolism/ *LEUKEMIA, LYMPHOCYTIC, metabolism/ MICE/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism
84. Anghleri LJ: Phospholipids and calcium uptake in experimental tumors. Oncology 28:35-51, 1973
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ CARCINOMA, EHRlich TUMOR, metabolism/ CELL FRACTIONATION/ CELL NUCLEUS,

AUTHOR SECTION

- metabolism/ CELLS, CULTURED/ HEPATOMA, metabolism/ KIDNEY, metabolism/ LEUKEMIA, EXPERIMENTAL, metabolism/ LIVER NEOPLASMS, metabolism/ MELANOMA, metabolism/ MICE/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, metabolism/ *NEOPLASMS, EXPERIMENTAL, metabolism/ *PHOSPHOLIPIDS, metabolism/ SARCOMA, JENSEN, metabolism
85. Anghileri LJ: The accumulation of 32P-polyphosphates of calcium, magnesium, lanthanum and sodium by tumor bearing animals: its radiotherapeutical significance. Nucl Med (Stuttg) 12:163-8, 31 Aug 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ HEPATOMA, metabolism/ LANTHANUM, metabolism/ LEUKEMIA, EXPERIMENTAL, metabolism/ LYMPHOSARCOMA, metabolism/ MAGNESIUM, metabolism/ MELANOMA, metabolism/ MICE/ *NEOPLASMS, EXPERIMENTAL, metabolism/ *PHOSPHATES, metabolism/ PHOSPHORUS RADIOISOTOPES/ SARCOMA, EXPERIMENTAL, metabolism/ SODIUM, metabolism
86. Anoussakis C, Liakakos D, Ikko D, et al: Radiolodine uptake values in euthyroid, non-goitrous, prepubertal children in Greece. Nucl Med (Stuttg) 12:14-25, 31 May 73
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GREECE/ HUMAN/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ MALE/ PROTEIN-BOUND IODINE TEST/ *PUBERTY/ THYROID DISEASES, occurrence/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS
87. Anthony A: Azure B-RNA changes in the adrenal and cerebral cortex of rats exposed to intense noise. Fed Proc 32:2093-7, Nov 73
ACOUSTIC TRAUMA, metabolism/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ AUDITORY CORTEX, cytology/ AUDITORY CORTEX, metabolism/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ *CEREBRAL CORTEX, metabolism/ FEMALE/ GROOMING/ HISTOCYTOCHEMISTRY/ LOCOMOTION/ METHODS/ NEURONS, metabolism/ *NOISE/ ORGAN WEIGHT/ RATS/ RNA, analysis/ *RNA, biosynthesis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION, instrumentation/ SPLEEN, anatomy & histology/ TIME FACTORS
88. Antipova LM: Izmeneniia stromy matki pri eksperimental'noi zhelezisto-kistoiznoi giperplazii endometriia. Arkh Patol 35:45-9, 1973 (Rus)
ANIMAL EXPERIMENTS/ CASTRATION/ ENDOMETRIAL HYPERPLASIA, chemically induced/ *ENDOMETRIAL HYPERPLASIA, pathology/ ENGLISH ABSTRACT/ EOSINOPHILS/ ESTROGENS/ FEMALE/ HAMSTERS/ MAST CELLS/ PLASMA CELLS/ *UTERUS, pathology
89. Antoniluzhenko VA: Porazhenie nervnoi sistemy pri khronicheskoi intoksikatsii olefinami. Zh Nevropatol Psikhiatr 73:377-82, 1973 (Rus)
*ALKENES, poisoning/ BRAIN DAMAGE, CHRONIC, chemically induced/ BRAIN STEM/ ENGLISH ABSTRACT/ EYE MANIFESTATIONS/ FEMALE/ HAND, blood supply/ HUMAN/ HYPOTHALAMUS/ MALE/ MIDDLE AGE/ *NERVOUS SYSTEM DISEASES, chemically induced/ *NEURASTHENIA, chemically induced/ POISONING, diagnosis/ POLYNEURITIS, chemically induced/ *RAYNAUD'S DISEASE, chemically induced/ RETINAL VESSELS
90. Aono T, Minagawa J, Kinugasa T, et al: [LH-RH test--interpretation of the results] Jap J Clin Med 31:1615-22, 1973 (Jap)
FEMALE/ HUMAN/ LH, blood/ MALE/
- *PITUITARY HORMONE RELEASING HORMONES, diagnostic use
91. Appel WC, Vincenzi FF: Positive inotropic effect cardiotonic steroids: differential antagonism by aldosterone. J Pharmacol Exp Ther 187:112-20, Oct 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CARDANOLIDES, antagonists & inhibitors/ CARDANOLIDES, pharmacodynamics/ *CARDIAC GLYCOSIDES, pharmacodynamics/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *HEART RATE, drug effects/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ OUABAIN, antagonists & inhibitors/ OUABAIN, pharmacodynamics/ RABBITS/ STIMULATION CHEMICAL/ STROPHANTHIN, antagonists & inhibitors/ STROPHANTHIN, pharmacodynamics
92. Appell RA: The effects of hypophysectomy and bum chorionic gonadotropin administration on the in vivo metabolism of progesterone by the rat testis. Steroids 22:351-64, Sep 73
ACETYLATION/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, PAPER/ CULTURE MEDIA/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ *PROGESTERONE, metabolism/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism/ TESTOSTERONE, biosynthesis/ TIME FACTORS/ TRITIUM
93. Arafel H, Barbarasa C, Luca D, et al: Hormonogene ovariana și modificările ei în maladia chistică la femeie. Stud Cercet Endocrinol 24:431-4, 1973 (Rus)
*CHOLESTEROL, metabolism/ *ESTROGENS, biosynthesis/ FEMALE/ HUMAN/ *OVARIAN CYSTS, metabolism/ *OVARY, metabolism/ OXIDOREDUCTASES, metabolism/ *STEIN-LEVENTHAL SYNDROME, metabolism
94. Aravitskii AN, Aronson VB: Vrozbudnennii tireozol'fava (regress mikoza, rezistentnogo k grizeoful'vinu, po viliianlem tireoidina. Vestn Dermatol Venerol 47:86-8, May 73 (Ru)
ADULT/ ETHNIC GROUPS/ FEMALE/ *GRISEOFULVIN, therapeutic use/ HUMAN/ REMISSION/ *THYROID GLAND, abnormalities/ *THYROID HORMONES, therapeutic use/ *TINEA FAVOSA, drug therapy/ USSR
95. Arbona NJ, Patterson SM, Cape CA: Endogenous ACT induced remission in myasthenia gravis. Bull Los Angeles Neurol Soc 38:183-7, Oct 73
ADRENAL GLANDS, secretion/ *CORTICOTROPIN, secretion/ CORTICOTROPIN, therapeutic use/ DEXAMETHASONE, diagnostic use/ HUMAN/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ *MYASTHENIA GRAVIS/ MYASTHENIA GRAVIS, physiopathology/ *PYRIDOSTIGMINE BROMIDE, therapeutic use/ REMISSION/ *STRESS
96. Archer J: A further analysis of responses to a novel environment by testosterone-treated chicks. Behav Biol 9:389-96, Sep 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ATTENTION, drug effects/ *BEHAVIOR, ANIMAL, drug effects/ CHICKENS/ EMOTIONS, drug effects/ ENVIRONMENT/ EXPLORATORY BEHAVIOR, drug effects/ FIXATION, OCULAR, drug effects/ LOCOMOTION, drug effects/ MALE/ MOTOR ACTIVITY, drug effects/ *TESTOSTERONE, pharmacodynamics/ VIDEOTAPE RECORDING
97. Arcuri PA, Gautieri RF: Morphine-induced fetal malformations. 3. Possible mechanisms of action. J Pharm Sci 62:1626-34, Oct 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ BLOOD SUGAR/ BRAIN,

AUTHOR SECTION

abnormalities/ CHOLINESTERASE
INHIBITORS, pharmacodynamics/ DRUG
SYNERGISM/ FEMALE/ FETUS, metabolism/
HEART RATE, drug effects/ MICE/ MICE,
INBRED STRAINS/ *MORPHINE, adverse
effects/ MORPHINE, pharmacodynamics/
PHYSOSTIGMINE, adverse effects/
PLACENTA, metabolism/ PREGNANCY/
SKELETON/ SODIUM, metabolism/ SODIUM
ISOTOPES/ TESTIS, abnormalities/ TIME
FACTORS

98. Ardeit W, Dehnard F, Welger E: Untersuchungen über die Brauchbarkeit der Gesamtöstrogene im Schwangerenurin. Geburtshilfe Frauenheilkd 33:678-83, Aug 73 (Ger)
COLORIMETRY/ ENGLISH ABSTRACT/
*ESTROGENS, urine/ FEMALE/ HUMAN/
METHODS/ *PLACENTA DISORDERS,
diagnosis/ PLACENTA DISORDERS, urine/
PREGNANCY

99. Argémi B: Le dosage radio-immunologique de la thyrocalcitonine bumaline. Technique et résultats chez le sujet normal. Ann Endocrinol (Paris) 34:290-2, May-Jun 73 (Fre)
ADULT/ AGE FACTORS/ AGED/ ANIMAL
EXPERIMENTS/ *CALCITONIN, blood/
ELECTROPHORESIS/ ENGLISH ABSTRACT/
GEL FILTRATION/ HUMAN/ IMMUNE
SERUMS/ METHODS/ MIDDLE AGE/
RABBITS/ RADIOIMMUNOASSAY/ SHEEP/
THYROID NEOPLASMS, blood

100. Argüelles AE, Hoffman C, Chekherdemian M, et al: Corticoadrenal and adrenergic overactivity in male patients with chronic myocardial infarction. J Steroid Biochem 4:427-32, Jul 73
*ADRENAL GLANDS, physiology/pathology/
ADULT/ AGED/ CARBON RADIOISOTOPES/
CHOLESTEROL, blood/
DEHYDROEPIANDROSTERONE, urine/
EPINEPHRINE, urine/ HUMAN/
HYDROCORTISONE, metabolism/
11-HYDROXYCORTICOSTEROIDS, metabolism/
17-HYDROXYCORTICOSTEROIDS, metabolism/
17-KETOSTEROIDS, urine/ LIPIDS, blood/
LIPOPROTEINS, blood/ MALE/ MIDDLE AGE/
*MYOCARDIAL INFARCT, physiology/pathology/
NOREPINEPHRINE, urine/ TRIGLYCERIDES,
blood

101. Arkins JA, Hogan MR: Effect of prednisone on spontaneous canine asthma. J Allergy Clin Immunol 52:278-83, Nov 73
AEROSOLS/ ALLERGENS, administration & dosage/ ANAPHYLAXIS/ ANIMAL
EXPERIMENTS/ ASTHMA, drug therapy/
*ASTHMA, veterinary/ *DOG DISEASES, drug therapy/ DOGS/ FEMALE/ IMMUNE SERUMS/
PASSIVE TRANSFER/ POLLEN/
PREDNISONE, therapeutic use/ SKIN TESTS

102. Armata J, Fltuch A: Dwa przypadki plamicy małopłytkowej u dzieci rozpoznane jako ostra białaczka. Wlad Lek 26:1861-4, 1 Oct 73 (Pol)
ACUTE DISEASE/ CHILD, PRESCHOOL/
CHRONIC DISEASE/ DIAGNOSTIC ERRORS/
ENGLISH ABSTRACT/ FEMALE/
GLUCOCORTICOIDS, therapeutic use/
HUMAN/ *LEUKEMIA, diagnosis/ MALE/
PURPURA, THROMBOPENIC, drug therapy/
*PURPURA, THROMBOTIC THROMBOPENIC,
diagnosis

103. Armellin HA: Pituitary extracts and steroid hormones in the control of 3T3 cell growth. Proc Natl Acad Sci USA 70:2702-6, Sep 73
*CELL DIVISION, drug effects/ CELL LINE/
CELL TRANSFORMATION, NEOPLASTIC/
CULTURE MEDIA/ DRUG SYNERGISM/
FIBROBLASTS/ FSH, pharmacodynamics/
GROWTH SUBSTANCES, antagonists & inhibitors/ *GROWTH SUBSTANCES,
pharmacodynamics/ HEAT/
*HYDROCORTISONE, pharmacodynamics/
INSULIN, pharmacodynamics/ LH,
pharmacodynamics/ MICE/ *PITUITARY
GLAND/ PRONASE, pharmacodynamics/ SV40

VIRUS/ THYMIDINE, metabolism/ TISSUE
EXTRACTS, antagonists & inhibitors/ *TISSUE
EXTRACTS, pharmacodynamics/ TRITIUM/
TRYPSIN, pharmacodynamics

104. Arnal M, Fauconneau G, Pech R: Synthèses protéiques in vivo dans divers tissus du rat en croissance soumis à une réduction de l'apport énergétique de la ration. Ann Biol Anim Biochim Biophys 12:91-108, 1972 (Fre)
AMINO ACIDS, metabolism/ AMINO ACIDS,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BONE AND BONES, metabolism/ *DIETARY
PROTEINS, pharmacodynamics/ ENGLISH
ABSTRACT/ GASTROINTESTINAL SYSTEM,
metabolism/ MUSCLES, metabolism/
PROTEINS, biosynthesis/ *PROTEINS,
metabolism/ RATS/ SKIN, metabolism

105. Arnaud CD: Editorial: Parathyroid hormone: coming of age in clinical medicine. Am J Med 55:577-81, Nov 73
ANTIBODY SPECIFICITY/ HUMAN/
*PARATHYROID HORMONE, analysis/
RADIOIMMUNOASSAY

106. Arner P, Arner O, Ostman J: The effect of local anaesthetic agents on lipolysis by human adipose tissue. Life Sci 13:161-9, 16 Jul 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE
TISSUE, metabolism/ COMPARATIVE STUDY/
DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ GLYCERIN, metabolism/
HUMAN/ INSULIN, antagonists & inhibitors/
INSULIN, pharmacodynamics/ *LIPID
MOBILIZATION, drug effects/
NOREPINEPHRINE, pharmacodynamics/
OMENTUM/ *PRILOCAINE, pharmacodynamics/
SKIN/ THEOPHYLLINE, pharmacodynamics/
TIME FACTORS

107. Arnett FC, Michels RG: Inflammatory ocular myopathy in systemic sclerosis (scleroderma). A case report and review of the literature. Arch Intern Med 132:740-3, Nov 73
ALANINE AMINOTRANSFERASE, metabolism/
ALDOLASE, metabolism/ ASPARTATE
AMINOTRANSFERASE, metabolism/
CREATINE KINASE, metabolism/ DIPLOPIA,
etiology/ HUMAN/ LACTATE
DEHYDROGENASE, metabolism/ MALE/
MIDDLE AGE/ MUSCLES, enzymology/
MUSCLES, pathology/ MYOSITIS,
complications/ MYOSITIS, drug therapy/
*MYOSITIS, etiology/ MYOSITIS, pathology/
*OCULOMOTOR MUSCLES/ OCULOMOTOR
MUSCLES, pathology/ OPHTHALMOSCOPY/
PREDNISONE, therapeutic use/
*SCLERODERMA, SYSTEMIC, complications/
SCLERODERMA, SYSTEMIC, drug therapy/
SCLERODERMA, SYSTEMIC, pathology/ SKIN,
pathology

108. Arnold WH, White W, Flouret G: An improved solid-phase synthesis of the luteinizing-hormone releasing-hormone-follicle-stimulating hormone releasing-hormone (LH-RH-FSH-RH). J Med Chem 16:1054-5, Sep 73
ANIMAL EXPERIMENTS/ FSH, metabolism/
IN VITRO/ LH, metabolism/ *LH-FSH
RELEASING HORMONE, chem synthesis/
LH-FSH RELEASING HORMONE,
pharmacodynamics/ *OLIGOPEPTIDES, chem
synthesis/ OLIGOPEPTIDES,
pharmacodynamics/ PITUITARY GLAND, drug
effects/ PITUITARY GLAND, metabolism/
RATS

109. Arnon R, Telcher E, Bustin M, et al: Preparation of antisera to alpha-fetoprotein making use of estradiol affinity column. FEBS Lett 32:335-8, 1 Jun 73
ADSORPTION/ *ANTIGENS, NEOPLASM/
CARBON RADIOISOTOPES/ CARCINOMA,
blood/ CHROMATOGRAPHY, AFFINITY/
*ESTRADIOL/ FEMALE/ *FETAL
GLOBULINS/ FETUS/ GEL DIFFUSION
TESTS/ GOATS, immunology/ HEPATOMA,
blood/ HUMAN/ *IMMUNE SERUMS/
IMMUNOELECTROPHORESIS/ METHODS/
POLYSACCHARIDES/ PREGNANCY/ PROTEIN
BINDING/ RABBITS, immunology/
RECEPTORS, DRUG/ TRITIUM

AUTHOR SECTION

110. Arrigucci A, Calabresi E, Fiorelli G, et al: Use of a three-parameter model for the fitting of experimental data from competitive protein-binding assays for measurement of steroid hormones. *J Nucl Biol Med* 17:124-7, Jul-Sep 73
FEMALE/ HUMAN/ MALE/ *MODELS, BIOLOGICAL/ PREGNANCY/ *RADIOLIGAND ASSAY/ *STERIODS, blood
111. Arroyo de la Fuente F, Jiménez Blanco JR, Cuesta MV, et al: Hiperparatiroidismo primario normocalcémico con osteitis fibrosa difusa. *Rev Clin Esp* 130:357-60, 31 Aug 73 (Spa)
*CALCIUM, blood/ HUMAN/ *HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ *OSTEITIS FIBROSA CYSTICA, etiology
112. Arseni C, Constantinescu A: Aspecte clinice și paraclinice în cursul evoluției tumorilor epifizare. Considerații asupra a 30 de cazuri. *Neurol Psihiatr Neurochir* 18:139-52, Apr 73 (Rum)
ADOLESCENCE/ ADULT/ AGED/ *BRAIN NEOPLASMS, diagnosis/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ INTRACRANIAL PRESSURE/ *MENTAL DISORDERS, etiology/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ *PINEAL BODY/ *PINEALOMA, diagnosis
113. Arseni C, Dănilă L, Constantinescu A: Considerațiuni asupra evoluției teratoamelor intracraniene. *Neurol Psihiatr Neurochir* 18:203-10, May-Jun 73 (Rum)
ADOLESCENCE/ ADULT/ AGED/ *BRAIN NEOPLASMS, complications/ CEREBRAL VENTRICLE NEOPLASMS, complications/ CHILD/ CRANIAL FOSSA, POSTERIOR/ ELECTROENCEPHALOGRAPHY/ ENDOCRINE DISEASES, etiology/ ENGLISH ABSTRACT/ EPILEPSY, etiology/ FEMALE/ HEMIPLEGIA, etiology/ HUMAN/ HYDROCEPHALUS, etiology/ INTRACRANIAL PRESSURE/ MALE/ MIDDLE AGE/ MOVEMENT DISORDERS, etiology/ OPTIC ATROPHY, etiology/ PINEAL BODY/ PITUITARY NEOPLASMS, complications/ *TERATOID TUMOR, complications
114. Arslan M: Ultrasonic hypophysectomy in acromegaly. Report of 41 cases. *ORL* 35:134-40, 1973
*ACROMEGALY, surgery/ ADULT/ AMENORRHEA, complications/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTENSION, complications/ *HYPOPHYSECTOMY/ MALE/ MENSTRUATION/ MIDDLE AGE/ REVIEW/ SEX BEHAVIOR/ *ULTRASONIC THERAPY
115. Arstikaitis MJ: Ocular aftermath of Stevens-Johnson syndrome. *Arch Ophthalmol* 90:376-9, Nov 73
ADOLESCENCE/ ANTIBIOTICS, therapeutic use/ BLISTER, pathology/ CHILD/ CHILD, PRESCHOOL/ CONJUNCTIVA, pathology/ *CONJUNCTIVITIS, complications/ CORNEA, pathology/ *CORNEAL OPACITY, etiology/ DRUG THERAPY, COMBINATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ *KERATITIS, etiology/ LIGHT/ MALE/ NAILS, MALFORMED, etiology/ NAILS, MALFORMED, pathology/ STEROIDS, therapeutic use/ *STEVENS-JOHNSON SYNDROME, complications/ STEVENS-JOHNSON SYNDROME, drug therapy/ STEVENS-JOHNSON SYNDROME, pathology/ STEVENS-JOHNSON SYNDROME, therapy/ VISION TESTS/ VISUAL ACUITY
116. Asbach HW, Vecsel P, Schüller HW, et al: Serum- und Dialysatspiegel von Corticosteroiden bei Langzeit-Hämodialyse. *Dtsch Med Wochenschr* 98:1758-62, 21 Sep 73 (Ger)
ADOLESCENCE/ ADULT/ *ALDOSTERONE, blood/ CHILD/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS/ HUMAN/ *HYDROCORTISONE, blood/ LONG TERM CARE/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ RADIOIMMUNOASSAY
117. Ashkar FS, Miale A Jr, Smoak WM 3d, et al: The role of surgery and 131-I therapy for hyperthyroidism in the etiology of thyroid carcinoma. *South Med J* 66:1014-6, Sep 73
*ADENOCARCINOMA, etiology/ AGED/ EXOPHTHALMOS, etiology/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ HYPERTHYROIDISM, surgery/ *HYPERTHYROIDISM, therapy/ HYPOTHYROIDISM, etiology/ *IODINE ISOTOPES, adverse effects/ IODINE ISOTOPES, therapeutic use/ LONG-ACTING THYROID STIMULATOR/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASMS, RADIATION-INDUCED/ *THYROID NEOPLASMS, etiology/ *THYROIDECTOMY, adverse effects/ TIME FACTORS
118. Ashkenazi A, Levin S, Djaldetti M, et al: The syndrome of neonatal copper deficiency. *Pediatrics* 52:525-33, Oct 73
AGRANULOCYTOSIS, diagnosis/ ANEMIA, SIDEROBLASTIC, diagnosis/ BONE AND BONES, radiography/ BONE MARROW EXAMINATION/ CENTRAL NERVOUS SYSTEM DISEASES, diagnosis/ *COPPER, metabolism/ DEFICIENCY DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ *INFANT, PREMATURE, DISEASES, diagnosis/ MALE/ OSTEOPOROSIS, diagnosis/ PIGMENTATION DISORDERS, diagnosis/ PSYCHOMOTOR DISORDERS, diagnosis/ SYNDROME
119. Astaurov BL, Demin YS: Parthenogenesis in birds. *Sov J Dev Biol* 3:95-111, Mar-Apr 72 (85 ref)
ANIMAL EXPERIMENTS/ AVIAN LEUKOSIS VIRUS/ BREEDING/ CHICK EMBRYO/ CHICKENS/ COMPARATIVE STUDY/ CROSSING OVER (GENETICS)/ DIPLOIDY/ GENOTYPE/ HISTOCOMPATIBILITY/ KARYOTYPING/ MEIOSIS/ MITOSIS/ NEWCASTLE DISEASE VIRUS/ OVUM, cytology/ *PARTHENOGENESIS/ *POULTRY, physiology/ POXVIRUS/ REPTILES/ REVIEW SEX CHROMOSOMES/ SEX DETERMINATION SILK WORMS/ SKIN, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ TURKEYS
120. Atack C, Lindqvist M: Conjoint native and orthophthalaldehyde-condensate assays for the fluorimetric determination of 5-hydroxyindoles in brain. *Naunyn-Schmiedeberg's Arch Pharmacol* 279:267-84, Sep 73
ALDEHYDES/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ FERRICYANIDES/ HYDROGEN-ION CONCENTRATION/ *HYDROXYINDOLEACETIC ACID, analysis/ *HYDROXYTRYPTOPHAN, analysis/ INDICATORS AND REAGENTS/ INDOLES, analysis/ METHODS/ MICE/ PHTHALIC ACID POTASSIUM/ *SEROTONIN, analysis/ SPECTROMETRY, FLUORESCENCE/ TEMPERATURE
121. Atadzhanov M: O roli nasledstvennosti pri bolezni Parkinsona. *Zh Nevropatol Psikhiatr* 73:195-9, 1973 (Russ)
AGED/ CEREBRAL ARTERIOSCLEROSIS, complications/ DOPAMINE, urine/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ MALE/ NOREPINEPHRINE, urine/ *PARKINSONISM, familial & genetic/ PARKINSONISM, urine/ PARKINSONISM, SYMPTOMATIC, etiology/ SEX CHROMATIN
122. Atkin NB: High chromosome numbers of seminoma and malignant teratomata of the testis: a review of data on 103 tumours. *Br J Cancer* 28:275-9, Sep 73
ADULT/ *CHROMOSOMES/ DIPLOIDY/ *DISGERMINOMA, familial & genetic/ DNA, NEOPLASM/ HUMAN/ KARYOTYPING/

AUTHOR SECTION

MALE/ MIDDLE AGE/ POLYPLOIDY/
*TERATOID TUMOR, familial & genetic/
*TESTICULAR NEOPLASMS, familial &
genetic

123. Atwood DG: Ultrastructure of the gonadal wall of the sea cucumber, *Leptosynapta clarki* (Echinodermata: Holothuroidea).

Z Zellforsch Mikrosk Anat 141:319-30, 3 Aug 73
ANIMAL EXPERIMENTS/ CELLULAR
INCLUSIONS/ CILIA/ COLLAGEN/
CYTOPLASMIC GRANULES/
*ECHINODERMATA, anatomy & histology/
EPITHELIAL CELLS, cytology/ GOLGI
APPARATUS/ MALE/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ MUSCLE,
SMOOTH, cytology/ NEURONS, cytology/
PHAGOCYTOSIS/ PIGMENTS/
SPERMATOZOA, cytology/ *TESTIS, cytology

124. Aubert C: Les hyperthermies dues aux neuroleptiques. Essai d'interprétation physiopathologique.

Encephale 62:128-59, Mar-Apr 73 (Fre)
ADULT/ ANIMAL EXPERIMENTS/
AUTONOMIC DYSFUNCTION, chemically
induced/ *BODY TEMPERATURE
REGULATION, drug effects/ DOGS/ *FEVER,
chemically induced/ HUMAN/ MALE/
*MENTAL DISORDERS, drug therapy/
MIDDLE AGE/ MOVEMENT DISORDERS,
chemically induced/ NEURAL TRANSMISSION,
drug effects/ RATS/ RECEPTORS, NEURAL,
drug effects/ SEROTONIN, secretion/
*TRANQUILIZING AGENTS, adverse effects

125. Aubert P, Lainée J, Kulas A: Les atteintes oculaires de la maladie de Basedow.

Nouv Presse Med 2:2467-72, 20 Oct 73 (Fre)
EDEMA, etiology/ ENGLISH ABSTRACT/
*EYE MANIFESTATIONS/ *GOITER,
EXOPHTHALMIC, complications/ HUMAN/
*OCULOMOTOR PARALYSIS, etiology

126. Audy-Relexans MC: Le cycle sexuel du blaireau mâle (Meles meles L).

Ann Biol Anim Biochim Biophys 12:355-66, 1972 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/
BODY WEIGHT/ BONE AND BONES, anatomy
& histology/ *CARNIVORA, physiology/ CELL
COUNT/ ENGLISH ABSTRACT/ EPIDIDYMIS,
anatomy & histology/ EPIDIDYMIS,
physiology/ EPITHELIUM, anatomy &
histology/ GENITALIA, MALE, anatomy &
histology/ *GENITALIA, MALE, physiology/
LEYDIG CELLS/ MALE/ ORGAN WEIGHT/
PENIS, anatomy & histology/ PERIODICITY/
REPRODUCTION/ SEASONS/ SEMINAL
VESICLES, anatomy & histology/ *SEX/
SPERMATOGENESIS/ SPERMATOZOA/
TESTIS, anatomy & histology/ TESTIS,
physiology

127. Auerbach RC, Snyder NE, Bragg DG: The chest roentgenographic manifestations of Proneustyl-induced lupus erythematosus.

Radiology 109:287-90, Nov 73
AGED/ ANTINUCLEAR FACTORS, analysis/
ARRHYTHMIA, drug therapy/ FEMALE/
HEART, radiography/ HEART
ENLARGEMENT, complications/ HEART
FAILURE, CONGESTIVE, drug therapy/
HUMAN/ LUPUS ERYTHEMATOSUS,
SYSTEMIC, chemically induced/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, complications/
LUPUS ERYTHEMATOSUS, SYSTEMIC, drug
therapy/ LUPUS ERYTHEMATOSUS,
SYSTEMIC, immunology/ *LUPUS
ERYTHEMATOSUS, SYSTEMIC, radiography/
MIDDLE AGE/ MYOCARDIAL DISEASES,
PRIMARY, complications/ PLEURAL
EFFUSION, complications/ PREDNISONE,
therapeutic use/ *PROCAINE AMIDE, adverse
effects/ PROCAINE AMIDE, therapeutic use

128. Augée ML, McDonald IR: Role of the adrenal cortex in the adaptation of the monotreme *Tachyglossus aculeatus* to low environmental temperature.

J Endocrinol 58:513-23, Sep 73
*ADAPTATION, PHYSIOLOGICAL/ *ADRENAL
GLANDS, physiology/ ADRENALECTOMY/

ANIMAL EXPERIMENTS/ BLOOD SUGAR/
BODY TEMPERATURE, drug effects/ *COLD/
CORTICOSTERONE, physiology/
ENVIRONMENT/ FATTY ACIDS,
NONESTERIFIED, blood/ GLUCONEOGENESIS/
GLUCOSE, pharmacodynamics/ GLUCOSE
TOLERANCE TEST/ HEART RATE/
HYDROCORTISONE, pharmacodynamics/
*MAMMALS, physiology/ METABOLISM/
MONOTREMATA/ OXYGEN CONSUMPTION/
TIME FACTORS

129. Augstein J, Cox DA, Ham AL, et al: Beta-adrenoceptor blocking agents. 1. Cardioselective 1-aryloxy-3-(aryloxyalkylamino)propan-2-ols.

J Med Chem 16:1245-51, Nov 73
ADENYL CYCLASE, antagonists & inhibitors/
*ADRENERGIC BETA RECEPTOR
BLOCKADERS, chem synthesis/ ADRENERGIC
BETA RECEPTOR BLOCKADERS,
pharmacodynamics/ ANIMAL EXPERIMENTS/
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HEART RATE, drug effects/
ISOPROTERENOL, antagonists & inhibitors/
LUNG, enzymology/ MYOCARDIUM,
enzymology/ OSMOLAR CONCENTRATION/
PAPILLARY MUSCLES, drug effects/
PHENYL ETHERS, chem synthesis/ PHENYL
ETHERS, pharmacodynamics/
*PROPANOLAMINES, chem synthesis/
PROPANOLAMINES, pharmacodynamics/
RATS/ STRUCTURE-ACTIVITY
RELATIONSHIP

130. Augstein J, Farmer JB, Lee TB, et al: Selective inhibitor of slow reacting substance of anaphylaxis.

Nature [New Biol] 245:215-7, 17 Oct 73
ACETYLCHOLINE, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS,
pharmacodynamics/ *BENZOPYRANS,
pharmacodynamics/ BIOLOGICAL ASSAY/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ETHERS, pharmacodynamics/ GUINEA PIGS/
HUMAN/ ILEUM, drug effects/ MUSCLE
CONTRACTION, drug effects/ PHENOLS,
pharmacodynamics/ PROSTAGLANDINS,
antagonists & inhibitors/ RATS/ SEROTONIN,
antagonists & inhibitors/ SPECIES
SPECIFICITY/ *SRS-A, antagonists &
inhibitors/ SRS-A, pharmacodynamics

131. Aunis D, Miras-Portugal MT, Mandel P: Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Biochem Pharmacol 22:2581-9, 15 Oct 73

*ADRENAL MEDULLA, enzymology/ ANIMAL
EXPERIMENTS/ ASCORBIC ACID,
pharmacodynamics/ CATALASE, metabolism/
CATTLE/ CHROMAFFIN SYSTEM,
enzymology/ *DOPAMINE BETA
HYDROXYLASE, antagonists & inhibitors/
DRUG INTERACTIONS/
*HYDROXYDOPAMINE, pharmacodynamics/ IN
VITRO/ IPRONIAZID, pharmacodynamics/
KINETICS/ LIVER, enzymology/ PARGYLINE,
pharmacodynamics/ PROTEINS, metabolism/
SERUM ALBUMIN, BOVINE,
pharmacodynamics/ TIME FACTORS/
TYRAMINE, metabolism

132. Avakian AA, Sidorov VE, Chebanov SM: Zakonomernosti vnutrikletocnogo simbiotova i argasovykh kleshchei (elektronno-mikroskopicheskoe issledovanie).

Dokl Akad Nauk SSSR 211:707-10, 21 Jul 73 (Rus)
ANIMAL EXPERIMENTS/ ARACHNID
VECTORS/ ECOLOGY/ FEMALE/
MALPIGHIAN TUBULES/ MICROSCOPY,
ELECTRON/ OVARY/ *RICKETTSIA, growth
& development/ SYMBIOSIS/ *TICKS

133. Avery ME: What is new in our understanding of perinatal pulmonary problems? Presidential address to the Society for Pediatric Research, May 19, 1973.

Pediatr Res 7:842-5, Oct 73
AMNIOTIC FLUID, analysis/ CESAREAN
SECTION/ FETAL MEMBRANES/
GLUCOCORTICOIDS, physiology/ HUMAN/
HYALINE MEMBRANE DISEASE, diagnosis/
*HYALINE MEMBRANE DISEASE, etiology/

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- HYALINE MEMBRANE DISEASE, therapy/
INFANT, NEWBORN/ LUNG, growth &
development/ POSITIVE-PRESSURE
RESPIRATION/ POSITIVE-PRESSURE
RESPIRATION, adverse effects/ PULMONARY
EDEMA, etiology/ PULMONARY
SURFACTANT, analysis/ PULMONARY
SURFACTANT, physiology/ *RESPIRATORY
DISTRESS SYNDROME, etiology/ RUPTURE
134. AvRuskin TW, Tang S, Shenkman L, et al: T3 toxicosis
in adolescence: presentation as recurrent
hyperthyroidism. *Pediatrics* 52:649-52, Nov 73
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/
FEMALE/ *GOITER, EXOPHTHALMIC,
etiology/ HUMAN/ HYPERTHYROIDISM,
diagnosis/ HYPERTHYROIDISM, drug therapy/
*HYPERTHYROIDISM, etiology/
PROPYLTHIOURACIL, therapeutic use/
PROTEIN-BOUND IODINE TEST/
RADIOIMMUNOASSAY/ SERUM GLOBULINS,
analysis/ SOMATOTROPIN, analysis/
THYROTROPIN, analysis/ THYROTROPIN
RELEASING HORMONE, analysis/
THYROXINE-BINDING PROTEIN, analysis/
TRIIODOTHYRONINE, analysis/
*TRIIODOTHYRONINE, secretion
135. Ayromioli J, Zervoudakis IA, Sadaghat A:
Thyrotoxicosis in pregnancy.
Am J Obstet Gynecol 117:818-23, 15 Nov 73
ABORTION, etiology/ ADOLESCENCE/
ADULT/ CESAREAN SECTION/
CHOLESTEROL, blood/ FEMALE/ FETAL
DEATH/ GESTATIONAL AGE/ GOITER,
congenital/ HUMAN/ *HYPERTHYROIDISM,
complications/ HYPERTHYROIDISM, drug
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therapeutic use/ IODINE RADIOISOTOPES,
therapeutic use/ MATERNAL MORTALITY/
METHIMAZOLE, therapeutic use/
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FUNCTION TESTS/ THYROID HORMONES,
therapeutic use/ THYROIDECTOMY/
TRIIODOTHYRONINE, blood/
TRIIODOTHYRONINE, therapeutic use
136. Azarian RP: Pokazateli krovi u svinomatok pri
leptospiroze (eksperimental'nye dannye.
Veterinariia 11:82-3, Nov 72 (Rus)
ANIMAL EXPERIMENTS/ FEMALE/
LACTATION/ LEPTOSPIROSIS, blood/
*LEPTOSPIROSIS, veterinary/ PREGNANCY/
SWINE/ *SWINE DISEASES, blood
137. Azizi F, Castell WP, Raben MS, et al: Effect of growth
hormone on plasma triglycerides in man.
Proc Soc Exp Biol Med 143:1187-90, Sep 73
ADULT/ AGE FACTORS/ AGED/
*CHOLESTEROL, blood/ CONTRACEPTIVES,
ORAL, pharmacodynamics/ *DIABETES
MELLITUS, metabolism/ FEMALE/ HUMAN/
INJECTIONS, INTRAMUSCULAR/ MALE/
MIDDLE AGE/ SOMATOTROPIN,
administration & dosage/ *SOMATOTROPIN,
pharmacodynamics/ TIME FACTORS/
*TRIGLYCERIDES, blood
138. Azizi F, Vagenakis AG, Longcope C, et al: Decreased
serum testosterone concentration in male heroin and
methadone addicts. *Steroids* 22:467-72, Oct 73
ADOLESCENCE/ ADULT/ *DRUG ADDICTION,
blood/ ESTRADIOL, blood/ FSH, blood/
*HEROIN ADDICTION, blood/ HUMAN/ LH,
blood/ MALE/ *METHADONE/ MIDDLE AGE/
TESTOSTERONE, blood
- B
139. Babich GL, Foret JE: Effects of dibutyl cyclic AMP
and related compounds on newt limb regeneration
blastemas in vitro. II. 14C-leucine incorporation.
Oncology 28:89-95, 1973
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CELL DIFFERENTIATION,
drug effects/ DENERVATION/ *DIBUTYRYL
CYCLIC AMP, pharmacodynamics/ *DNA,
biosynthesis/ DOSE-RESPONSE
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EXTREMITIES, innervation/ FLUORIDES,
pharmacodynamics/ IMIDAZOLES,
pharmacodynamics/ IN VITRO/ LEUCINE,
metabolism/ PHOSPHODIESTERASES,
pharmacodynamics/ *REGENERATION, drug
effects/ *SALAMANDERS, physiology/
STIMULATION, CHEMICAL/ THEOPHYLLIN
pharmacodynamics
140. Bacalao J, Riebler M: On the properties of
membrane-associated protein kinase from China
hamster ovary cells. *FEBS Lett* 37:37-41, 15 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE
pharmacodynamics/ ADENOSINE
TRIPHOSPHATE, metabolism/
AMINOPHYLLINE, pharmacodynamics/ CELL
MEMBRANE, enzymology/ *CELLS,
CULTURED/ DEOXYRIBONUCLEASE/
DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ ENZYME
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HAMSTERS/ HEAT/ HISTONES,
pharmacodynamics/ HYDROLYSIS/
MAGNESIUM/ *OVARY, enzymology/
PHOSPHOPROTEINS, analysis/
PHOSPHOPROTEINS, biosynthesis/
PHOSPHORUS RADIOISOTOPES/ PRONASE/
PROTEIN DENATURATION/ *PROTEIN
KINASE, metabolism/ RIBONUCLEASE
141. Bach JF, Dardenne M: Studies on thymus products.
Demonstration and characterization of a circulating
thymic hormone. *Immunology* 25:353-66, Sep 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE,
pharmacodynamics/ BONE MARROW CELLS,
drug effects/ BONE MARROW CELLS,
immunology/ HALF-LIFE/ *HORMONES,
isolation & purification/ IMMUNE
ADHERENCE REACTION/ IMMUNE SERUM
MICE/ MICE, INBRED AKR/ MICE, INBRED
BALB C/ MICE, INBRED C3H/ MOLECULAR
WEIGHT/ SHEEP, immunology/ SPLEEN/
SPLENECTOMY/ THYMECTOMY/ *THYMUS
GLAND, immunology/ THYMUS GLAND,
transplantation/ *TISSUE EXTRACTS, analysis/
TRANSPLANTATION, HOMOLOGOUS
142. Bachmann FF: Erfahrungen über Allgemein- u.
Lokalwirkungen von Ostriol.
Zentralbl Gynaekol 95:995-9, 20 Jul 73 (G)
ADMINISTRATION, ORAL/ ADULT/ AGED/
CASTRATION/ CERVIX UTERI, drug effects/
CERVIX UTERI, pathology/ CLIMACTERIC/
ENDOMETRIUM, drug effects/
ENDOMETRIUM, pathology/ EPITHELIAL
CELLS/ ESTRIOL, administration & dosage/
ESTRIOL, pharmacodynamics/ *ESTRIOL,
therapeutic use/ FEMALE/ *GYNECOLOGIC
DISEASES, drug therapy/ HUMAN/
MENOPAUSE/ MIDDLE AGE
143. Bacon LD, Kite JH Jr, Rose NR: Immunogenic
detection of B locus genotypes in chickens with
autoimmune thyroiditis.
Transplantation 18:591-8, Dec 73
ANIMAL EXPERIMENTS/ *AUTOIMMUNE
DISEASES, immunology/ *BIRD DISEASES,
immunology/ CHICK EMBRYO/ CHICKENS/
COMB AND WATTLES, transplantation/
FEMALE/ GENOTYPE/ GRAFT REJECTION/
HEMAGGLUTINATION TESTS/
*HISTOCOMPATIBILITY ANTIGENS, analysis/
IMMUNE SERUMS/ SKIN, transplantation/
SPLENOMEGLALY/ *THYROIDITIS,
immunology/ TRANSPLANTATION,
AUTOLOGOUS/ TRANSPLANTATION,
HOMOLOGOUS
144. Bacon WL, Nestor KE, Renner PA: Ovarian follicle
development in egg and growth lines of Japanese
quail. *Poult Sci* 52:1195-9, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
EGGS/ FEMALE/ *GRAAFIAN FOLLICLE,
growth & development/ JAPAN/ *QUAIL,
physiology/ SELECTION (GENETICS)

AUTHOR SECTION

145. Badawy AA, Evans M: The mechanism of inhibition of rat liver tryptophan pyrrolase activity by 4-hydroxypyrazolo(3,4-d)pyrimidine (Allopurinol). *Biochem J* 133:585-91, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALCOHOL, ETHYL, antagonists & inhibitors/ ALLOPURINOL, antagonists & inhibitors/ *ALLOPURINOL, pharmacodynamics/ ALLOXAN/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, antagonists & inhibitors/ HEME/ HYDROCORTISONE, pharmacodynamics/ HYPOXANTHINES/ INJECTIONS, INTRAPERITONEAL/ LIVER, enzymology/ MALE/ NAD/ RATS/ TRYPTOPHAN/ *TRYPTOPHAN OXYGENASE, antagonists & inhibitors/ XANTHINE OXIDASE/ XANTHINES
146. Badía Flores J, Martínez Limón M: Parametazona en la artritis reumatoide. Comparación de su efecto clínico por vía intramuscular y hucal. *Prensa Med Mex* 38:57-60, Jan-Feb 73 (Spa)
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, drug therapy/ COMPARATIVE STUDY/ FEMALE/ GLUCOCORTICOIDES, urine/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ KIDNEY, drug effects/ MALE/ MIDDLE AGE/ *PARAMETHASONE, administration & dosage/ PARAMETHASONE, therapeutic use
147. Badraoui MH, Bonnar J, Hillier K, et al: Blood coagulation changes during mid-trimester abortion induced by prostaglandin F₂ alpha. *Br Med J* 4:375-8, 17 Nov 73
*ABORTION, INDUCED, adverse effects/ ADOLESCENCE/ ADULT/ AMNION/ *BLOOD COAGULATION, drug effects/ FACTOR V, metabolism/ FACTOR VII, metabolism/ FACTOR VIII, metabolism/ FACTOR X, metabolism/ FEMALE/ FIBRIN, metabolism/ FIBRINOGEN, metabolism/ HUMAN/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ PROTHROMBIN TIME/ TIME FACTORS/ VAGINA
148. Baer L, Glassman AH, Kassir S: Negative sodium balance in lithium carbonate toxicity. Evidence of mineralocorticoid blockade. *Arch Gen Psychiatry* 29:823-7, Dec 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ COGNITION DISORDERS, chemically induced/ DESOXYCORTICOSTERONE, antagonists & inhibitors/ *DESOXYCORTICOSTERONE, pharmacodynamics/ DIURESIS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ LITHIUM, administration & dosage/ LITHIUM, adverse effects/ LITHIUM, blood/ *LITHIUM, toxicity/ NATRIURESIS, drug effects/ NAUSEA, chemically induced/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ RATS/ *SODIUM, urine/ TREMOR, chemically induced/ VOMITING, chemically induced/ WATER-ELECTROLYTE BALANCE, drug effects
149. Bagchi N, Fawcett DM: Role of sodium ion in active transport of iodide by cultured thyroid cells. *Biochim Biophys Acta* 318:235-51, 22 Aug 73
ANTIMETABOLITES, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/ CATIONS, MONOVALENT/ CATTLE/ CELLS, CULTURED/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ GEL FILTRATION/ HELA CELLS, drug effects/ HELA CELLS, metabolism/ HUMAN/ *IODIDES, metabolism/ IODINE RADIOISOTOPES/ KINETICS/ MATHEMATICS/ MODELS, BIOLOGICAL/ OSMOLAR CONCENTRATION/ POTASSIUM, pharmacodynamics/ PRONASE/ PROTEIN BINDING/ *SODIUM, pharmacodynamics/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROTROPIN, pharmacodynamics/ TIME FACTORS
150. Baggs RB, Miller SA: Nutritional iron deficiency as a determinant of host resistance in the rat. *J Nutr* 103:1554-60, Nov 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ DEFICIENCY DISEASES/ DEFICIENCY DISEASES, complications/ DEFICIENCY DISEASES, mortality/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEMATOCRIT/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, enzymology/ INTESTINES, enzymology/ *IRON, administration & dosage/ LACTATION/ MALE/ PEROXIDASES, metabolism/ PHAGOCYTOSIS/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RATS/ *SALMONELLA INFECTIONS, ANIMAL/ SALMONELLA INFECTIONS, ANIMAL, complications/ SALMONELLA INFECTIONS, ANIMAL, mortality/ *SALMONELLA TYPHIMURIUM, pathogenicity/ WEANING
151. Bagshawe KD: Immunological aspects of trophoblastic neoplasia. *Br J Cancer* 250-3, Aug 73
ABO FACTORS/ ANTIBODY FORMATION/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, immunology/ FEMALE/ GRAFT REJECTION/ HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ IMMUNOSUPPRESSION/ ISOANTIGENS/ PREGNANCY/ SKIN, transplantation/ TRANSPLANTATION, HOMOLOGOUS/ *TROPHOBLASTIC TUMOR, immunology
152. Baidan N, Tudor E, Ionescu A, et al: Sindromul Ascher. *Rev Med Chir Soc Med Nat Iasi* 77:595-601, Jul-Sep 73 (Rum)
ADULT/ ENGLISH ABSTRACT/ *EYELID DISEASES, complications/ FEMALE/ *GOITER, complications/ HUMAN/ *LIP, abnormalities/ MALE/ MIDDLE AGE
153. Bailey CC: Proceedings: Linear and skeletal growth in congenital adrenal hyperplasia. *Arch Dis Child* 48:828, Oct 73
ADOLESCENCE/ *ADRENAL GLAND HYPERFUNCTION, congenital/ AGE DETERMINATION BY SKELETON/ *BODY HEIGHT/ *BONE AND BONES, growth & development/ CHILD/ CHILD, PRESCHOOL/ HUMAN
154. Bailey F, Brittain PN: High-efficiency liquid chromatography in pharmaceutical analysis. *J Chromatogr* 83:431-7, 29 Aug 73
BETAMETHASONE, analysis/ CHEMISTRY/ CHLORMADINONE, analysis/ CHROMATOGRAPHY/ DRUG STABILITY/ EPHEDRINE, analysis/ ESTRADIOL, analysis/ FERMENTATION/ FLUOCINOLONE ACETONIDE, analysis/ *GRISEOFULVIN, analysis/ METHODS/ MICROCHEMISTRY/ OINTMENTS/ PHARMACEUTIC AIDS/ PROGESTERONE, analysis/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STEROIDS, analysis/ TABLETS
155. Baily NA, Steigerwalt JE, Hilbert JW: Frequency distributions of energy deposition by 44 MeV protons at bone-soft tissue interfaces. *Radiat Res* 56:205-12, Nov 73
*BONE AND BONES/ ELECTRONS/ HUMAN/ MUSCLES/ *PROTONS/ SCATTERING, RADIATION
156. Baird DT, Collett RA, Fraser IS, et al: Progesterone secretion from the ovary in the ewe following infusion of uterine venous plasma. *J Reprod Fertil* 35:13-22, Oct 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CORPUS LUTEUM/ ESTRADIOL, blood/ ESTRUS/ FEMALE/ MASS SCREENING/ *OVARY, secretion/ OVARY, transplantation/ *PROGESTERONE, secretion/ PROSTAGLANDINS, blood/ *SHEEP, physiology/ TRANSPLANTATION, AUTOLOGOUS/ *UTERUS, blood supply/ VEINS
157. Baker A, Kaplan M, Kimberg DV: Alkaline

AUTHOR SECTION

- phosphatase. Possible induction by cyclic AMP after cholera enterotoxin administration.
J Clin Invest 52:2928-34, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ *ALKALINE PHOSPHATASE, biosynthesis/ ANIMAL EXPERIMENTS/ BILE DUCTS/ BUTYRATES, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ ENTEROTOXINS, administration & dosage/ ENTEROTOXINS, pharmacodynamics/ *ENTEROTOXINS, pharmacodynamics/ ENZYME INDUCTION/ GLUCAGON, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ LIGATION/ LIVER, analysis/ LIVER, drug effects/ LIVER, metabolism/ MALE/ METHODS/ PROTEINS, biosynthesis/ RATS/ STIMULATION, CHEMICAL/ *VIBRIO COMMA
158. Baker DC Jr: XXVII Wherry Memorial Lecture. Steroid therapy in otology.
Trans Am Acad Ophthalmol Otolaryngol 76:297-300, Mar-Apr 72
AEROSOLS/ ANTIHISTAMINICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ DELAYED-ACTION PREPARATIONS/ DRUG COMBINATIONS/ FACIAL PARALYSIS, drug therapy/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, pharmacodynamics/ *GLUCOCORTICOIDS, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HAY FEVER, drug therapy/ HERPES ZOSTER, drug therapy/ HUMAN/ HYPERSENSITIVITY, drug therapy/ INJECTIONS, SUBCUTANEOUS/ LABYRINTH DISEASES, drug therapy/ MYCOSES, etiology/ NOSE DISEASES, drug therapy/ *OTORHINOLARYNGOLOGIC DISEASES, drug therapy/ PRURITUS, drug therapy/ WEGENER'S GRANULOMATOSIS, drug therapy
159. Baker DH: Postbreeding flushing of first-litter crossbred gilts, with a note on efficacy of crossbred versus purebred hogs in total confinement.
Am J Vet Res 34:1051-2, Aug 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMALS, NEWBORN/ COITUS/ ESTRUS/ FEMALE/ *IRRIGATION, veterinary/ LACTATION/ MALE/ PREGNANCY/ *REPRODUCTION/ *SWINE, physiology/ WEANING
160. Baker M: Psychopathology in systemic lupus erythematosus. I. Psychiatric observations.
Semin Arthritis Rheum 3:95-110, 1973
ADOLESCENCE/ ADULT/ AFFECTIVE DISTURBANCES, etiology/ ASPIRIN, therapeutic use/ AZATHIOPRINE, therapeutic use/ BRAIN DISEASES, etiology/ CLINICAL RESEARCH/ CYCLOPHOSPHAMIDE, therapeutic use/ DEPRESSION, etiology/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ HUMAN/ INTERVIEW, PSYCHOLOGICAL/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ *MENTAL DISORDERS, etiology/ MIDDLE AGE/ PLACEBOS/ PREDNISONE, therapeutic use/ PROGNOSIS/ PSYCHIATRIC STATUS RATING SCALES/ SCHIZOPHRENIA, etiology/ SYNDROME
161. Baker M, Hadler NM, Whitaker JN, et al: Psychopathology in systemic lupus erythematosus. II. Relation to clinical observations, corticosteroid administration, and cerebrospinal fluid C4.
Semin Arthritis Rheum 3:111-26, 1973
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AFFECTIVE DISTURBANCES, etiology/ AZATHIOPRINE, therapeutic use/ BRAIN DISEASES, etiology/ CENTRAL NERVOUS SYSTEM DISEASES, complications/ CLINICAL RESEARCH/ *COMPLEMENT, cerebrospinal fluid/ CYCLOPHOSPHAMIDE, therapeutic use/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ *MENTAL DISORDERS, chemically induced/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ SCHIZOPHRENIA, etiology
162. Baklavadzian OG, Adamian FA, Avetisian EA: Vyzvanye potentsialy gipotalamusa pri razdrzhenii hluzhdalushchego i sedalishchnogo nervov. Nefrologiya 5:253-60, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ CATS/ ENGLISH ABSTRACT/ *EVOKED POTENTIALS/ *HYPOTHALAMUS, physiology/ MESENCEPHALON/ NEURAL INTERCONNECTIONS/ *RETICULAR FORMATION, physiology/ *SCIATIC NERVE, physiology/ *VAGUS NERVE, physiology
163. Balasubramanian KS, Saxena RN: Effect of pinealectomy and photoperiodism in the reproduction of Indian weaver birds, Ploceus philippinus. J Exp Zool 185:333-40, Sep 73
ANIMAL EXPERIMENTS/ *BIRDS, physiology/ *CIRCADIAN RHYTHM/ INDIA/ LH, blood/ MALE/ *PINEAL BODY, physiology/ *REPRODUCTION/ SEASONS/ TESTIS, cytology
164. Balci S, Say B, Pirnar T, et al: Letter: Birth defects and oral contraceptives. Lancet 2:1098, 10 Nov 73
*ABNORMALITIES, DRUG-INDUCED/ ABNORMALITIES, MULTIPLE, chemically induced/ *ABNORMALITIES, MULTIPLE, etiology/ ABNORMALITIES, MULTIPLE, familial & genetic/ ADULT/ CHILD, PRESCHOOL/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ PREGNANCY/ SYNDROME
165. Baldwin D, Hanson JR, Holtom AM: Aromatization of some steroidal enediols. J Chem Soc [Perkin I] 16:1704-7, 1973
*ANDROSTENOLS, chem synthesis/ *ESTRANES, chem synthesis/ *HYDROXYSTERIODS, chem synthesis/ NUCLEAR MAGNETIC RESONANCE/ *TESTOSTERONE, chem synthesis
166. Balfour DJ: Effects of nicotine on the uptake and retention of 14C-noradrenaline and 14C-5-hydroxytryptamine by rat brain homogenates. Eur J Pharmacol 23:19-26, Jul 73
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CARBACHOL, pharmacodynamics/ CARBON RADIOISOTOPES/ HIPPOCAMPUS, cytology/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ *NICOTINE, pharmacodynamics/ NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, metabolism/ PILOCARPINE, pharmacodynamics/ PROTEINS, metabolism/ RATS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, metabolism/ SYNAPTOSOMES, metabolism
167. Baln H, Hontz AC, Losciuto LA: Antifertility agents: introduction and history. Semin Drug Treat 3:117-9, Autumn 73
*CONTRACEPTIVES, ORAL, history/ ESTROGENS, pharmacodynamics/ FEMALE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ NORETHINDRONE, pharmacodynamics/ NORETHYNODREL, pharmacodynamics/

AUTHOR SECTION

- OVULATION, drug effects/
PROGESTATIONAL HORMONES,
pharmacodynamics/ PROGESTERONE,
pharmacodynamics/ TESTOSTERONE,
pharmacodynamics
168. Balln H, Turksoy RN, Kistner RW: Fertility inducing agents: Introduction.
Semin Drug Treat 3:157-8, Autumn 73
ESTROGENS, pharmacodynamics/ FEMALE/
*FERTILITY AGENTS, pharmacodynamics/
HUMAN/ *OVULATION, drug effects
169. Band PR, Banerjee TK, Patwardhan VC, et al: High-dose diethylstilbestrol diposphate therapy of prostatic cancer after failure of standard doses of estrogens. Can Med Assoc J 109:697-9, 20 Oct 73
BODY FLUIDS, drug effects/
*DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, adverse effects/ DIETHYLSTILBESTROL, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EDEMA, chemically induced/
*ESTROGENS, administration & dosage/
ESTROGENS, pharmacodynamics/
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HUMAN/ MALE/ NEOPLASM METASTASIS, drug therapy/ ORGANOPHOSPHORUS COMPOUNDS, administration & dosage/
*PROSTATIC NEOPLASMS, drug therapy/
TESTOSTERONE, metabolism
170. Banerjee DJ, Banerjee MR, Mehta RG: Hormonal regulation of rapidly labeled RNA in normal preneoplastic and neoplastic tissues of mouse mammary gland. J Natl Cancer Inst 51:843-9, Sep 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*BREAST NEOPLASMS, metabolism/
CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ DIMETHYLAMINOAZOBENZENE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTRADIOL, pharmacodynamics/
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*PRECANCEROUS CONDITIONS, metabolism/
*PROGESTERONE, pharmacodynamics/ *RNA, biosynthesis/ *RNA, NEOPLASM, biosynthesis/
TRITIUM/ URIDINE, metabolism
171. Banerjee SP, Snyder SH, Cuatrecasas P, et al: Binding of nerve growth factor receptor in sympathetic ganglia. Proc Natl Acad Sci USA 70:2519-23, Sep 73
ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CELL FRACTIONATION/ CELL MEMBRANE, metabolism/ CELL NUCLEUS, metabolism/
GANGLIA, AUTONOMIC, cytology/ *GANGLIA, AUTONOMIC, metabolism/ GLUCAGON, metabolism/ GROWTH SUBSTANCES, metabolism/ IN VITRO/ INSULIN, metabolism/ IODINE ISOTOPES/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/
MESENCEPHALON, metabolism/
MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ MYOCARDIUM, metabolism/
*NERVE GROWTH FACTOR, metabolism/
RABBITS/ RECEPTORS, DRUG/
SOMATOTROPIN, metabolism/ SUCCINIMIDES, pharmacodynamics
172. Bánki M, Bánki C: Depressio és libido-változások a normális cyclusban, terhességben és orális anticonceptio folyamán.
Orv Hetil 114:2841-3, 25 Nov 73 (Hun)
*CONTRACEPTIVES, ORAL,
pharmacodynamics/ *DEPRESSION, chemically induced/ FEMALE/ HUMAN/ *LIBIDO, drug effects/ *OVULATION, drug effects/
*PREGNANCY
173. Banna M, Bradley WG, Pearce GW: Massive pituitary adenoma in a patient with dystrophia myotonica. J Neurol Sci 20:1-6, Sep 73
*ADENOMA, CHROMOPHOBE, complications/
ADENOMA, CHROMOPHOBE, pathology/
ADENOMA, CHROMOPHOBE, radiography/
AUTOPSY/ BRAIN, pathology/ BRAIN NEOPLASMS, diagnosis/
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DIAGNOSIS, DIFFERENTIAL/ HUMAN/
HYPOPHYSECTOMY, etiology/ MALE/
MIDDLE AGE/ *MYOTONIA ATROPHICA, complications/
*PITUITARY NEOPLASMS, complications/
PITUITARY NEOPLASMS, pathology/
PITUITARY NEOPLASMS, radiography
174. Banna M, Hoare RD, Stanley P, et al: Cranioharyngioma in children.
J Pediatr 83:781-5, Nov 73
ADOLESCENCE/ BLINDNESS, etiology/
BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, diagnosis/ *BRAIN NEOPLASMS, occurrence/ BRAIN NEOPLASMS, radiography/
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CRANIOPHARYNGIOMA, complications/
CRANIOPHARYNGIOMA, diagnosis/
*CRANIOPHARYNGIOMA, occurrence/
CRANIOPHARYNGIOMA, radiography/
DIABETES INSIPIDUS, etiology/ DIPLOPIA, etiology/ EXTREMITIES/ EYE MANIFESTATIONS/ EYE MOVEMENTS/
FEMALE/ GROWTH DISORDERS, etiology/
HEADACHE, etiology/ HUMAN/
INTRACRANIAL PRESSURE/ LONDON/
MALE/ MENTAL DISORDERS, etiology/
MUSCLES, physiotherapy/ OPTIC ATROPHY, etiology/ RETROSPECTIVE STUDIES/ VISION/
VISUAL FIELDS/ VOMITING, etiology
175. Banov CH: The treatment of acute bronchial asthma in the adult. J SC Med Assoc 69:424-6, Nov 73
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/
AMINOPHYLLINE, therapeutic use/
ASTHMA, therapy/ BRONCHODILATOR AGENTS, therapeutic use/ FEMALE/ HUMAN/
MALE/ RESPIRATION, ARTIFICIAL
176. Banov CH: Treatment of chronic bronchial asthma in the adult. J SC Med Assoc 69:426-31, Nov 73
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/
AEROSOLS/ AGE FACTORS/ ANTIBIOTICS, therapeutic use/ *ASTHMA, drug therapy/
BRONCHODILATOR AGENTS, therapeutic use/
CHRONIC DISEASE/ EXPECTORANTS, therapeutic use/ HUMAN/
POSITIVE-PRESSURE RESPIRATION/
RESPIRATORY FUNCTION TESTS/
RESPIRATORY INSUFFICIENCY, therapy
177. Banyal AL: Changing approach to diagnosis and treatment. Chest 64:627, Nov 73
ANIMAL EXPERIMENTS/ *GOODPASTURE'S SYNDROME, diagnosis/ GOODPASTURE'S SYNDROME, drug therapy/ GOODPASTURE'S SYNDROME, pathology/ GOODPASTURE'S SYNDROME, surgery/ HUMAN/ KIDNEY, pathology/ LUNG, pathology/ PREDNISONE, therapeutic use/ RABBITS
178. Bar A, Wasserman RH: Control of calcium absorption and intestinal calcium-binding protein synthesis. Biochem Biophys Res Commun 54:191-6, 5 Sep 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/
*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM, DIETARY/
CALCIUM RADIOISOTOPES/ CHICKENS/
CHOLECALCIFEROL, pharmacodynamics/
DIET/ DIHYDROTACHYSTEROL, pharmacodynamics/
DIHYDROXYCHOLECALCIFEROLS, metabolism/ DUODENUM, drug effects/
*DUODENUM, metabolism/ INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, metabolism/ MALE/ PHOSPHORUS/
PHOSPHORUS, pharmacodynamics/
PROTEINS, biosynthesis/ TIME FACTORS
179. Bär HP: Epinephrine- and prostaglandin-sensitive adenylyl cyclase in mammary gland. Biochim Biophys Acta 321:397-406, 15 Sep 1973
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CLOSTRIDIOPEPTIDASE A/

AUTHOR SECTION

- COMPARATIVE STUDY/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LACTATION/ MAMMAE, drug effects/ *MAMMAE, enzymology/ MICE/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PHOSPHORUS RADIOISOTOPES/ PREGNANCY/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ SPECIES SPECIFICITY
180. Bara G, Anderson WA: Fine structural localization of 3beta-hydroxysteroid dehydrogenase in rat corpus luteum. *Histochem J* 5:437-49, Sep 73
ANDROSTERONE/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ CORPUS LUTEUM, cytology/ *CORPUS LUTEUM, enzymology/ EVALUATION STUDIES/ FEMALE/ HISTOCYTOCHEMISTRY/ HISTOLOGICAL TECHNIQUES/ *HYDROXYSTEROID DEHYDROGENASES, analysis/ LIPOAMIDE DEHYDROGENASE, analysis/ METHODS/ MICROSCOPY, ELECTRON/ OSMIUM/ PREGNANCY/ RATS/ STAINS AND STAINING/ SUBCELLULAR FRACTIONS, enzymology
181. Bar-Sella P, Stein O, Gross J: Electron microscopic radioautography of 125I-tritiodothyronine in rat posterior pituitary and median eminence. *Endocrinology* 93:1410-22, Dec 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CYTOPLASM, analysis/ GOLGI APPARATUS, analysis/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ IODINE RADIOISOTOPES/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, analysis/ *PITUITARY GLAND, POSTERIOR, analysis/ PITUITARY GLAND, POSTERIOR, cytology/ RATS/ *TRIODOXYTHYRONINE, analysis
182. Barac G, Deby C, Jeuniaux F, et al: Le calcium plasmatique est-il chélaté par la prostaglandine E1 exogène. *Arch Int Physiol Biochim* 81:579, Sep 73 (Fre)
ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM, blood/ CALCIUM, metabolism/ CHELATING AGENTS/ DOGS/ *PROSTAGLANDINS, blood/ PROSTAGLANDINS, metabolism/ ULTRAFILTRATION
183. Baranczuk R, Muldoon TG, Mahesh VB: Progesterone measurement using "stripped" corticosteroid binding globulin (CBG). *Steroids* 22:273-84, Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HAMSTERS/ HUMAN/ MALE/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ RATS/ STEROIDS/ TEMPERATURE/ *TRANSCORTIN/ TRANSCORTIN, isolation & purification/ TRITIUM
184. Baranowska B: Frakcjonowanie androgenów za pomocą chromatografii cienkowarstwowej w patologii kory nadnerczy. *Pol Tyg Lek* 28:1347-50, 27 Sep 73 (Pol)
*ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND NEOPLASMS, diagnosis/ ANDROGENS, analysis/ *ANDROGENS, metabolism/ CHEMISTRY, ANALYTICAL/ CHROMATOGRAPHY, THIN LAYER/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, urine
185. Bardin CW, Bullock LP, Sherins RJ, et al: Androgen metabolism and mechanism of action in male pseudohermaphroditism: a study of testicular feminization. *Recent Prog Horm Res* 29:65-109, 1973
ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CASTRATION/ LEYDIG CELLS, enzymology/ LEYDIG CELLS, physiopathology/ LIVER, metabolism/ MALE/ MICE/ PENIS/ PROGESTERONE, pharmacodynamics/ *PSEUDOHERMAPHRODITISM, metabolism/ RATS/ RECEPTORS, HORMONE/ SEBACEOUS GLANDS, metabolism/ *STANOLONE, metabolism/ *TESTICULAR FEMINIZATION, metabolism/ TESTIS, drug effects/ *TESTIS, metabolism/ *TESTOSTERONE, metabolism
186. Barker JL, Gainer H: Role of calcium in the seasonal modulation of pacemaker activity in a molluscan neurosecretory cell. *Nature* 245:462-4, 26 Oct 73
*ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ ANTIPROTOZOAL AGENTS, pharmacodynamics/ *CALCIUM, pharmacodynamics/ *HIBERNATION/ MAGNESIUM, pharmacodynamics/ NEUROSECRETORY SYSTEMS, cytology/ *NEUROSECRETORY SYSTEMS, physiology/ QUINOXALINES, pharmacodynamics/ *SNAILS, physiology/ STRONTIUM, pharmacodynamics/ *SULFANILAMIDE, pharmacodynamics
187. Barlow DF, Donaldson AI: Comparison of the aerosol stabilities of foot-and-mouth disease virus suspended in cell culture fluid or natural fluids. *J Gen Virol* 20:311-8, Sep 73
AEROSOLS/ *AIR MICROBIOLOGY/ CATTLE/ CELL LINE/ COMPARATIVE STUDY/ *FOOT-AND-MOUTH DISEASE VIRUS, pathogenicity/ HAMSTERS/ HEAT/ HYDROGEN-ION CONCENTRATION/ KIDNEY/ MALE/ *MUCUS/ NOSE, secretion/ PLAQUE ASSAY/ *SALIVA/ SODIUM CHLORIDE, pharmacodynamics/ SWINE/ THYROID GLAND/ TISSUE CULTURE/ *TISSUE EXTRACTS/ TRITIUM/ URIDINE/ VIRUS CULTIVATION
188. Barlow GB, Wilkinson AW: The excretion of adenosine 3',5'-cyclic monophosphate by children with burns. *Clin Chim Acta* 46:197-9, 28 Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ *BURNS, urine/ CHILD/ CHILD, PRESCHOOL/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ CREATININE, urine/ HUMAN/ TIME FACTORS
189. Barlow JJ, Piver MS, Chuang JT, et al: Adriamycin and bleomycin, alone and in combination, in gynecologic cancers. *Cancer* 32:735-43, Oct 73
ADENOCARCINOMA, drug therapy/ ADRIAMYCIN, administration & dosage/ ADRIAMYCIN, adverse effects/ *ADRIAMYCIN, therapeutic use/ ADULT/ AGED/ BLEOMYCIN, administration & dosage/ BLEOMYCIN, adverse effects/ *BLEOMYCIN, therapeutic use/ CARCINOMA, EPIDERMAL, drug therapy/ CERVIX NEOPLASMS, drug therapy/ DRUG THERAPY, COMBINATION/ EVALUATION STUDIES/ FEMALE/ *GYNECOLOGIC NEOPLASMS, drug therapy/ HUMAN/ LEIOMYOSARCOMA, drug therapy/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy/ SARCOMA, drug therapy/ UTERINE NEOPLASMS, drug therapy/ VAGINAL NEOPLASMS, drug therapy
190. Barlow MJ Jr, Neu RL, Gardner LI: X-chromosome banding in Noonan syndrome. *Am J Dis Child* 126:656-7, Nov 73
ACETIC ACIDS/ BLEPHAROPTOSIS, familial & genetic/ CHILD/ *CHROMOSOME ABERRATIONS/ CRANIOFACIAL DYSOSTOSIS, familial & genetic/ FLUORESCENCE/ HUMAN/ KARYOTYPING/ MENTAL RETARDATION, familial & genetic/ METHODS/ PHENOTHIAZINES/ PTERYGIUM, familial & genetic/ PULMONARY VALVE STENOSIS, familial & genetic/ SEX CHROMOSOMES/ SODIUM CHLORIDE/ *STAINS AND STAINING/ SYNDROME
191. Barlow SM, Morrison PJ, Sullivan FM: Plasma corticosterone levels during pregnancy in the mouse. *Br J Pharmacol* 48:346P, Jun 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ FEMALE/

AUTHOR SECTION

- FLUORESCENCE/ MICE/ PREGNANCY/
PROTEIN BINDING/ TIME FACTORS
192. Barltrop D: Proceedings: Neonatal calcium metabolism. Arch Dis Child 48:828, Oct 73
BONE AND BONES, metabolism/ *CALCIUM, metabolism/ HUMAN/ HYPOCALCEMIA, etiology/ *INFANT, NEWBORN
 193. Barnabe RC, Mucciollo RG, Alvarenga J de, et al: Testicular calcification in a bull. Mod Vet Pract 54:65-6, Oct 73
ANIMAL EXPERIMENTS/ CALCINOSIS, radiography/ *CALCINOSIS, veterinary/ CATTLE/ *CATTLE DISEASES/ CATTLE DISEASES, radiography/ MALE/ *TESTICULAR DISEASES, veterinary
 194. Barr W: Advances in gynaecology. Practitioner 211:459-64, Oct 73
CONTRACEPTION/ FEMALE/ *GYNECOLOGIC DISEASES, therapy/ HUMAN/ PITUITARY HORMONE RELEASING HORMONES, diagnostic use/ PREGNANCY/ PROGESTERONE, therapeutic use/ ULTRASONICS
 195. Barros C, Muñoz G: Sperm-egg interaction in immature hamster oocytes. J Exp Zool 186:73-8, Oct 73
ANIMAL EXPERIMENTS/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HAMSTERS/ IN VITRO/ MALE/ OVULATION, drug effects/ OVUM, cytology/ OVUM, drug effects/ *OVUM, physiology/ SPERM CAPACITATION/ *SPERMATOZOA, physiology/ TRYPSIN, pharmacodynamics
 196. Bartels HJ, Hesch RD: Hormotrope kooperative Effekte und aufsteigende B-F-Kurven bei Hormon-Antikörperreaktionen. Z Klin Chem Klin Biochem 11:311-8, Jul 73 (Ger)
ALLOSTERIC REGULATION/ *ANTIBODIES/ *ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES/ BINDING SITES, ANTIBODY/ CALCITONIN/ CORTICOTROPIN/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC/ *HORMONES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IODINE RADIOISOTOPES/ KINETICS/ LIGANDS/ MATHEMATICS/ MODELS, BIOLOGICAL/ PARATHYROID HORMONE/ PLACENTA/ PREGNANCY/ PROLACTIN/ PROTEIN BINDING/ RABBITS, immunology/ SERUM ALBUMIN/ TEMPERATURE/ THYROTROPIN/ TRIIODOTHYRONINE
 197. Bartke A: Differential requirement for prolactin during pregnancy in the mouse. Biol Reprod 9:379-83, Nov 73
ANIMAL EXPERIMENTS/ FEMALE/ METABOLISM, INBORN ERRORS, drug therapy/ MICE/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROLACTIN, metabolism/ PROLACTIN, pharmacodynamics/ PROLACTIN, therapeutic use/ *PSEUDOPREGNANCY, drug effects
 198. Bartlett PA, Brauman JL, Johnson WS, et al: Concerning the mechanism of a nonenzymic biogenetic-like olefinic cyclization. J Am Chem Soc 95:7502-4, 31 Oct 73
ALKENES/ BIOGENESIS/ CYCLIZATION/ *ESTRONE, chem synthesis/ KINETICS/ STEREOISOMERS
 199. Bartlett PA, Johnson WS: A stereospecific total synthesis of estrone via a cationic olefinic cyclization. J Am Chem Soc 95:7501-2, 31 Oct 73
ALKENES/ CYCLIZATION/ *ESTRONE, chem synthesis/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEREOISOMERS
 200. Bartorelli A, Leonetti G, Accinni R: Il dosaggio radioimmunologico dell'aldosterone plasmatico. Boll Ist Sieroter Milan 52:127-41, Mar-Apr 73 (Ita)
*ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ ANTIGEN-ANTIBODY REACTIONS/ ENGLISH ABSTRACT/ RABBITS/ *RADIOIMMUNOASSAY
 201. Bartošek I, Marc V, Gualtani A, et al: Accelerated catabolism of hydrocortisone in isolated perfused liver of tumor-bearing rats. Biochem Pharmacol 22:2429-31, 1 Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CARCINOMA 256, WALKER, metabolism/ HALF-LIFE/ *HYDROCORTISONE, metabolism/ *LIVER, metabolism/ MALE/ NEOPLASM TRANSPLANTATION/ PERFUSION/ RATS/ RATS, INBRED STRAINS/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS
 202. Bartov I, Relser R, Henderson GR: Hypercholesterolemic effect in the female rat of egg yolk versus crystalline cholesterol dissolved in lard. J Nutr 103:1400-5, Oct 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BILE ACIDS AND SALTS, metabolism/ CARBON RADIOISOTOPES/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CHOLESTEROL, pharmacodynamics/ *CHOLESTEROL, DIETARY/ CHOLIC ACID, metabolism/ DEOXYCHOLIC ACID, metabolism/ DIETARY FATS/ DIETARY FATS, analysis/ DIETARY PROTEINS/ *EGG YOLK/ FATTY ACIDS, analysis/ FECES, analysis/ FEMALE/ HYPERCHOLESTEREMIA, etiology/ LITHOCHOLIC ACID, metabolism/ LIVER, anatomy & histology/ LIVER, metabolism/ ORGAN WEIGHT/ RATS/ STEROIDS, metabolism
 203. Baruh S, Sherman L, Kolodny HD, et al: Fasting hypoglycemia. Med Clin North Am 57:1441-62, Nov 73 (30 ref.)
ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADULT/ AGED/ ALANINE, metabolism/ ALCOHOL, ETHYL, adverse effects/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CORTICOTROPIN, metabolism/ *FASTING/ FEMALE/ GLUCONEOGENESIS/ GLUCOSE, biosynthesis/ GLYCOGEN, metabolism/ GLYCOLYSIS/ HUMAN/ HYPOGLYCEMIA, chemically induced/ HYPOGLYCEMIA, etiology/ *HYPOGLYCEMIA, metabolism/ INSULIN, adverse effects/ ISLET CELL TUMOR, complications/ KIDNEY, enzymology/ KIDNEY, metabolism/ LIVER, enzymology/ LIVER, metabolism/ LIVER, pathology/ MALE/ MIDDLE AGE/ PANCREATIC NEOPLASMS, complications/ REVIEW/ SULFONYLUREA COMPOUNDS, adverse effects
 204. Barzaghi F, Baumgartner HR, Carruba M, et al: The 5-hydroxytryptamine-like actions of 5,6-dihydroxytryptamine. Br J Pharmacol 48:245-54, Jun 73
AIRWAY RESISTANCE, drug effects/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRONCHI, drug effects/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUODENUM, drug effects/ GUINEA PIGS/ HEART RATE, drug effects/ ILEUM, drug effects/ IN VITRO/ IPRONIAZID, pharmacodynamics/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ METHYLSERGIDE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ PLATELET ADHESIVENESS, drug effects/ RATS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ STOMACH, drug effects/ TIME FACTORS/ TRYPTAMINES, antagonists & inhibitors/ *TRYPTAMINES, pharmacodynamics
 205. Baserga R, Costlow M, Rovera G: Changes in membrane function and chromatin template activity in diploid and transformed cells in culture. Fed Proc 32:2115-8, Nov 73 (48 ref.)

AUTHOR SECTION

- AMINOISOBUTYRIC ACID, metabolism/ CELL COUNT/ CELL LINE/ CELL MEMBRANE, metabolism/ *CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ *CHROMATIN/ CULTURE MEDIA/ DIPLOIDY/ DNA, biosynthesis/ FIBROBLASTS/ HAMSTERS/ HUMAN/ ISOLEUCINE, metabolism/ LEUCINE, metabolism/ LUNG/ MICE/ MITOSIS/ NUCLEOPROTEINS, biosynthesis/ OVARY/ PLANT AGGLUTININS, pharmacodynamics/ REVIEW/ STIMULATION, CHEMICAL/ SV40 VIRUS/ *TEMPERATES
206. Bassalygo GA: Vliianie glukokortikoidov i kokarboxilazy na aktivnost' shchelochnoi fosfatazy, peroxidazy i m-nadi-oksidazy v neitrofilakh perifericheskoi krovi u novorozhdennykh, bol'nykh pnovmonief. *Pediatrlia* 51:37-8, May 73 (Rus)
*ALKALINE PHOSPHATASE, blood/
*GLUCOCORTICOIDS, pharmacodynamics/
HUMAN/ INFANT/ INFANT, NEWBORN/
INFANT, NEWBORN, DISEASES, blood/
*INFANT, NEWBORN, DISEASES, enzymology/
NEUTROPHILS, drug effects/ *NEUTROPHILS, enzymology/ *OXIDOREDUCTASES, blood/
*PEROXIDASES, blood/ PNEUMONIA, blood/
*PNEUMONIA, enzymology/ *THIAMINE PYROPHOSPHATE, pharmacodynamics
207. Bastenie PA: Thyroide et lipides plasmatics. *Acta Cardiol (Brux) Suppl* 15:49-58, 1972 (Fre)
ARTERIOSCLEROSIS, etiology/
CARDIOVASCULAR DISEASES, etiology/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*HYPERCHOLESTEREMIA, etiology/
*HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, drug therapy/ *LIPIDS, blood/ MENOPAUSE/ MIDDLE AGE/ SEX FACTORS/ THYROIDITIS, blood
208. Batra S: The effects of zinc and lanthanum on calcium uptake by mitochondria and fragmented sarcoplasmic reticulum of frog skeletal muscle. *J Cell Physiol* 82:245-58, Oct 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ FROGS/ KINETICS/ *LANTHANUM, pharmacodynamics/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE, drug effects/ MITOCHONDRIA, MUSCLE, enzymology/ *MITOCHONDRIA, MUSCLE, metabolism/ SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ SUCCINATE DEHYDROGENASE, analysis/ *ZINC, pharmacodynamics
209. Batra S: The role of mitochondrial calcium uptake in contraction and relaxation of the human myometrium. *Biochim Biophys Acta* 305:428-32, 30 May 73
BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ FEMALE/ HUMAN/ *MITOCHONDRIA, MUSCLE, metabolism/ MUSCLE, SMOOTH, cytology/
*MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ PREGNANCY/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ UTERUS, cytology
210. Batrinos ML, Grispos GE, Papadopoulou ZP, et al: Hydroxyproline excretion in pituitary dwarfs treated with therapeutic doses of human growth hormone. *Horm Res* 4:311-20, 1973
ADOLESCENCE/ ADULT/ BODY HEIGHT/ DWARFISM, PITUITARY, drug therapy/
DWARFISM, PITUITARY, metabolism/
*DWARFISM, PITUITARY, urine/
EVALUATION STUDIES/ FOLLOW-UP STUDIES/ HUMAN/ HYDROXYPROLINE, metabolism/ *HYDROXYPROLINE, urine/
*SOMATOTROPIN, therapeutic use/ TIME FACTORS
211. Battin J, Serville F, Marchand JC: Syndrome 18 p- et hypothyroïdie. *Arch Fr Pediatr* 30:548, May 73 (Fre)
CASE REPORT/ CHILD, PRESCHOOL/
*CHROMOSOME ABNORMALITIES/
*CHROMOSOMES, HUMAN, 16-18/
- DERMATOGLYPHICS/ FEMALE/ HUMAN/
*HYPOTHYROIDISM, complications/
KARYOTYPING
212. Baudon JJ, Pigot JY, Le Besnerais Y, et al: Hydrocéphalie néo-natale par cranioharyngiome. *Arch Fr Pediatr* 30:563, May 73 (Fre)
BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, congenital/ CASE REPORT/ CRANIOHARYNGIOMA, complications/
*CRANIOHARYNGIOMA, congenital/ HUMAN/
*HYDROCEPHALUS, etiology/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ MALE
213. Baum JK, Bookstein JJ, Holtz F, et al: Possible association between benign hepatomas and oral contraceptives. *Lancet* 2:926-9, 27 Oct 73
ADULT/ ANGIOGRAPHY/
*CONTRACEPTIVES, ORAL, adverse effects/
DIMETHISTERONE, adverse effects/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/
FOLLOW-UP STUDIES/ HEPATIC ARTERY, radiography/ *HEPATOMA, chemically induced/ HEPATOMA, surgery/
HUMAN/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, surgery/
MESTRANOL, adverse effects/
NORETHYNODREL, adverse effects/
NORGESTREL, adverse effects
214. Baum MJ, Vreeburg JT: Copulation in castrated male rats following combined treatment with estradiol and dihydrotestosterone. *Science* 182:283-5, 19 Oct 73
ANIMAL EXPERIMENTS/ *CASTRATION/
*COITUS/ DRUG COMBINATIONS/
*EJACULATION, drug effects/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ MALE/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/
STANOLONE, administration & dosage/
*STANOLONE, pharmacodynamics
215. Bauman VK, Vallinietse Miu: O regulatsii absorbtii kal'tsia i stfontsia v tonkom klshechnike tsypliat. *Fiziol Zh SSSR* 59:639-6, Apr 73 (Rus)
ALKALINE PHOSPHATASE, analysis/
ANIMAL EXPERIMENTS/ ANIMAL FEED/
CALCIUM, blood/ *CALCIUM, metabolism/
*CHICKENS, metabolism/ CHOLECALCIFEROL pharmacodynamics/ DUODENUM, metabolism/
ENGLISH ABSTRACT/ *INTESTINAL ABSORPTION/ MAGNESIUM, blood/
MAGNESIUM, metabolism/ PROTEIN BINDING, drug effects/ RICKETS, metabolism/ RICKETS, veterinary/
STRONTIUM, blood/ *STRONTIUM, metabolism
216. Baumann G: Pharmakotherapie der Hyperthyreose. *Ther Umsch* 30:734-9, Oct 73 (Ger)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
GOITER, EXOPHTHALMIC, drug therapy/
HUMAN/ *HYPERTHYROIDISM, drug therapy/
MALE/ PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy/ THYROID ANTAGONISTS, therapeutic use/ THYROID CRISIS, drug therapy
217. Baumann H, Hecht K: Quantitative evoked-potential-Analysen zur neurophysiologischen Charakterisierung von Fehllernprozessen in den experimentellen arteriellen Hypertonie-Pathogenese. *Acta Biol Med Ger* 30:875-96, May 73 (Ger)
ACOUSTIC STIMULATION/ AMYGDALOID BODY/ ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CONDITIONING (PSYCHOLOGY)/ DISCRIMINATION LEARNING/ *DISEASE MODELS, ANIMAL/
ENGLISH ABSTRACT/ *EVOKED POTENTIALS/ HIPPOCAMPUS/
*HYPERTENSION, etiology/ *LEARNING DISORDERS, complications/ LIMBIC SYSTEM/
MALE/ PHOTIC STIMULATION/ RATS/
RETICULAR FORMATION/ *STRESS, PSYCHOLOGICAL
218. Baumgarten HG, Björklund A, Lachenmayer L, et al:

AUTHOR SECTION

Evidence for the existence of serotonin-, dopamine-, and noradrenaline-containing neurons in the gut of *Lampetra fluviatilis*.

- Z Zellforsch Mikrosk Anat 141:33-54, 26 Jul 73
ANIMAL EXPERIMENTS/ AXONS/
CELLULAR INCLUSIONS/
CHROMATOGRAPHY, THIN LAYER/
COLLAGEN/ *CYCLOSTOMES/ *DOPAMINE,
analysis/ FLUORESCENCE/
HISTOCYTOCHEMISTRY/ INTESTINES,
cytology/ INTESTINES, innervation/
MICROSCOPY, ELECTRON/ MICROSCOPY,
FLUORESCENCE/ *NEURONS, analysis/
NEURONS, cytology/ *NOREPINEPHRINE,
analysis/ RIBOSOMES/ *SEROTONIN, analysis/
SPECTROMETRY, FLUORESCENCE
219. Baxandall JD: Primary erythrocytosis and pregnancy.
J Obstet Gynaecol Br Commonw 80:996-8, Nov 73
ADULT/ ALKALINE PHOSPHATASE, blood/
ASPARTATE AMINOTRANSFERASE, blood/
BILIRUBIN, blood/ BLOOD PROTEINS,
analysis/ ERYTHROCYTE COUNT/ FEMALE/
HEMATOCRIT/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, urine/ IRON,
blood/ 17-KETOSTEROIDS, urine/
LEUKOCYTE COUNT/ *POLYCYTHEMIA,
complications/ *PREGNANCY
COMPLICATIONS, HEMATOLOGIC/
PREGNANEDIOL, urine/ URIC ACID, blood
220. Bayoumi RA, Smith WR: Regional distribution of
glutamic acid decarboxylase in the developing brain
of the pyridoxine-deficient rat.
J Neurochem 21:603-13, Sep 73
AGING/ ANIMAL EXPERIMENTS/
APOPROTEINS, metabolism/ *BRAIN,
enzymology/ BRAIN, growth & development/
CARBON RADIOISOTOPES/
CARBOXY-LYASES, biosynthesis/
*CARBOXY-LYASES, metabolism/
CEREBELLUM, enzymology/ CEREBRAL
CORTEX, enzymology/ COMPARATIVE
STUDY/ CORPUS STRIATUM, enzymology/
ENZYME INDUCTION/ FEMALE/
GLUTAMATES/ HIPPOCAMPUS, enzymology/
HYPOTHALAMUS, enzymology/ MALE/
MEDULLA OBLONGATA, enzymology/
MESENCEPHALON, enzymology/ PONS,
enzymology/ PREGNANCY/ *PYRIDOXINE
DEFICIENCY, enzymology/ RATS/
SURFACE-ACTIVE AGENTS/ THALAMUS,
enzymology
221. Bazarbekova RB: Nekotorye voprosy kliniki i
diagnostiki glipogenitalizma u detei.
Vopr Okhr Materin Det 18:52-6, Jun 73 (Rus)
ADOLESCENCE/ CHILD/ CHILD,
PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/
ENGLISH ABSTRACT/ FEMALE/ GROWTH
DISORDERS, diagnosis/ HUMAN/
HYPOGONADISM, classification/
*HYPOGONADISM, diagnosis/ KLINEFELTER'S
SYNDROME, diagnosis/ MALE/
PSEUDOHERMAPHRODITISM, diagnosis
222. Bazzato G, Onesti G, Greco J, et al: Effetti della
stimolazione del nervo del seno carotideo sulla
emodinamica renale e sulla secrezione reninica nel
cane.
Minerva Nefrol 20:58-65, Mar-Apr 73 (Ita)
ANIMAL EXPERIMENTS/ BLOOD FLOW
VELOCITY/ BLOOD PRESSURE/ *CAROTID
SINUS, innervation/ DOGS/ ELECTRIC
STIMULATION/ ENGLISH ABSTRACT/
GLOMERULAR FILTRATION RATE/
KIDNEY, blood supply/ NATRIURESIS/
RENAL ARTERY/ RENAL VEINS/ *RENIN,
secretion/ VASCULAR RESISTANCE
223. Behrs OH: Factors minimizing mortality and
morbidity rates in head and neck surgery. Hayes
Martin lecture. Am J Surg 126:443-51, Oct 73
AIRWAY OBSTRUCTION, etiology/ FACIAL
NEOPLASMS, surgery/ GOITER, surgery/
HUMAN/ LARYNGEAL NEOPLASMS, surgery/
LIP NEOPLASMS, surgery/ MOUTH
NEOPLASMS, surgery/ NASOPHARYNGEAL
NEOPLASMS, surgery/ *NECK NEOPLASMS,
surgery/ NOSE NEOPLASMS, surgery/
ORBITAL NEOPLASMS, surgery/
PARANASAL SINUS NEOPLASMS, surgery/
*PAROTID NEOPLASMS, surgery/
POSTOPERATIVE COMPLICATIONS, mortality/
*RADICAL NECK DISSECTION, mortality/
*SALIVARY GLAND DISEASES, surgery/
*THYROID DISEASES, surgery/ *THYROID
NEOPLASMS, surgery/ *THYROIDECTOMY,
mortality/ THYROIDITIS, surgery
224. Beall GN, Chopra IJ, Solomon DH, et al: Neutralizing
and non-neutralizing antibodies to bovine
thyroid-stimulating hormone and its subunits.
J Clin Invest 52:2979-85, Dec 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/
ANTIBODIES, analysis/ ANTIGEN-ANTIBODY
COMPLEX/ BINDING SITES, ANTIBODY/
CATTLE/ IMMUNE SERUMS/
*IMMUNIZATION/ IODINE RADIOISOTOPES/
LONG-ACTING THYROID STIMULATOR/
NEUTRALIZATION TESTS/ RABBITS,
immunology/ *THYROID GLAND, immunology/
*THYROTROPIN
225. Beall GN, Chopra IJ, Solomon DH, et al: The effects on
rabbits of immunization with bovine
thyroid-stimulating hormone and its subunits.
J Clin Invest 52:2986-92, Dec 73
ANTI-ANTIBODIES/ ANTIGEN-ANTIBODY
COMPLEX/ FLUORESCENT ANTIBODY
TECHNIC/ GEL DIFFUSION TESTS/
HYPOTHYROIDISM, immunology/ IMMUNE
SERUMS/ *IMMUNIZATION/ RABBITS,
immunology/ *THYROID GLAND, immunology/
THYROID GLAND FUNCTION TESTS/
*THYROTROPIN
226. Beattie CW, Soyka LF: Influence of progestational
steroids on hypothalamic tyrosine hydroxylase
activity in vitro. Endocrinology 93:1453-5, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/
CHOLESTEROL, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
FEMALE/ HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, enzymology/ OVARY,
physiology/ PREGNANES, pharmacodynamics/
*PROGESTATIONAL HORMONES,
pharmacodynamics/ PROGESTERONE,
pharmacodynamics/ RATS/ *TYROSINE
HYDROXYLASE, metabolism
227. (Beaupré E), Blais JM: Un géant canadien célèbre:
Edouard Beaupré (1881-1904).
Neurochirurgie 19:Suppl 2:23-34, May 73 (Eng. Abstr.)
(Fre)
CANADA/ ENGLISH ABSTRACT/
*GIGANTISM, history/ HISTORICAL
ARTICLE/ HISTORICAL BIOGRAPHY/
HISTORY OF MEDICINE, 19TH CENT./
HISTORY OF MEDICINE, 20TH CENT./
HUMAN/ MALE/ MUMMIES/ MUSEUMS
228. Beck A, Baumung H, Caugig H, et al: Der Einfluss der
Pillenlangzeiteinnahme auf Blutzucker und
Seruminsulin.
Geburtshilfe Frauenheilkd 33:647-52, Aug 73 (Ger)
ADULT/ *BLOOD SUGAR, analysis/
CONTRACEPTIVES, ORAL, adverse effects/
*CONTRACEPTIVES, ORAL,
pharmacodynamics/ DIABETES MELLITUS,
chemically induced/ ENGLISH ABSTRACT/
FEMALE/ GLUCOSE TOLERANCE TEST/
HUMAN/ *INSULIN, blood/ MIDDLE AGE/
PREGNANCY/ PUERPERIUM/ TIME
FACTORS
229. Beck AJ, Lim BL: Reproductive biology of *Eonycteris
spelaea*, Dobson (Megachiroptera) in West Malaysia.
Acta Trop (Basel) 30:251-60, 1973
ANIMAL EXPERIMENTS/ *CHIROPTERA/
LACTATION/ MALAYSIA/ PREGNANCY,
ANIMAL/ *REPRODUCTION
230. Beck E, Daniel FM, Asher DM, et al: Experimental kuru
in the chimpanzee. A neuropathological study.
Brain 96:441-62, Sep 73
ANIMAL EXPERIMENTS/ *BRAIN, pathology/
BRAIN STEM, pathology/ CEREBELLUM,
pathology/ CEREBRAL CORTEX, pathology/
*CHIMPANZEES/ CORPUS STRIATUM,

AUTHOR SECTION

- pathology/ DIENCEPHALON, pathology/
GLOBUS PALIDUS, pathology/
HYPOTHALAMO-HYPOPHYSAL SYSTEM/
HYPOTHALAMUS, pathology/ *KURU,
pathology/ MONKEYS/ NERVE
DEGENERATION/ NEUROGLIA/ SPINAL
CORD, pathology/ THALAMUS, pathology
231. Beck JS, Young RJ, Simpson JG, et al: Lymphoid tissue
in the thyroid gland and thymus of patients with
primary thyrotoxicosis. Br J Surg 60:769-71, Oct 73
AGE FACTORS/ ANTHROPOMETRY/
CARBIMAZOLE, therapeutic use/ FEMALE/
GOITER, NODULAR, pathology/ HUMAN/
HYPERPLASIA/ HYPERTHYROIDISM, drug
therapy/ *HYPERTHYROIDISM, pathology/
HYPERTHYROIDISM, surgery/ *LYMPHOID
TISSUE, pathology/ MALE/ MIDDLE AGE/
PROPRANOLOL, therapeutic use/ SEX
FACTORS/ *THYMUS GLAND, pathology/
*THYROID GLAND, pathology
232. Becker B, Hirth L, Janssen W: Zur
forensisch-medizinischen Bewertung von
Fussspuren.
Z Rechtsmed 72:100-10, 30 Apr 73 (Ger)
BONE AND BONES, anatomy & histology/
*DERMATOGLYPHICS/ ENGLISH ABSTRACT/
*FOOT/ *FORENSIC MEDICINE/ GAIT/
HUMAN/ MALE/ MOTION/ TOES
233. Becker B, Podos SM, Asseff CF: Symposium:
microsurgery of the outflow channels. Clinical
research.
Trans Am Acad Ophthalmol Otolaryngol 76:405-10,
Mar-Apr 72
ADRENAL CORTEX HORMONES,
pharmacodynamics/ ANTERIOR CHAMBER,
physiology/ AQUEOUS HUMOR, physiology/
AQUEOUS HUMOR, physiopathology/ CILIARY
BODY, physiology/ CILIARY BODY,
physiopathology/ CILIARY BODY, surgery/
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HUMAN/ INTRAOCULAR PRESSURE/
INTRAOCULAR PRESSURE, drug effects/
MANOMETRY/ METHODS/ *MICROSURGERY/
PERFUSION, instrumentation/ TONOMETRY
234. Becker H, Kleibl HP, Reuter A, et al: Die
Beeinflussbarkeit der Gonadotropinabsonderung
durch den synthetisierten LH-Releasing-Faktor unter
der Medikation eines Ovulationsblockers.
Klin Wochenschr 51:159-61, 1 Aug 73 (Ger)
DEPRESSION, CHEMICAL/ *ETHINYL
ESTRADIOL, pharmacodynamics/ FEMALE/
*FSH, secretion/ HUMAN/ *LH, secretion/
MENSTRUATION, drug effects/ OVULATION,
drug effects/ *PITUITARY HORMONE
RELEASING HORMONES, pharmacodynamics/
SECRETORY RATE, drug effects
235. Becker H, Klosterhalfen H, Volgt KD: Neuere
Ergebnisse über den Stoffwechsel von
3H-Testosteron und 3H-5alpha-Dihydrotestosteron in
Prostata und Prostataadenomen.
Urol Int 28:350-5, 1973 (Ger)
ANDROSTENOLS, metabolism/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY, THIN
LAYER/ ENGLISH ABSTRACT/ MALE/
*PROSTATE, metabolism/ *PROSTATIC
HYPERTROPHY, metabolism/ PROTEIN
BINDING/ RATS/ *STANOLONE, metabolism/
*TESTOSTERONE, metabolism/ TRITIUM
236. Beeley JM, Daly JJ, Timperley WR, et al: Ectopic
pinealoma: an unusual clinical presentation and a
histochemical comparison with a seminoma of the
testis.
J Neurol Neurosurg Psychiatry 36:864-73, Oct 73
ACID PHOSPHATASE, metabolism/ ADULT/
ALKALINE PHOSPHATASE, metabolism/
ANOREXIA NERVOSA, etiology/ *BRAIN
NEOPLASMS, complications/ BRAIN
NEOPLASMS, drug therapy/ BRAIN
NEOPLASMS, enzymology/ BRAIN
NEOPLASMS, pathology/ COMA, etiology/
CYTOCHROME OXIDASE, metabolism/
DIABETES INSIPIDUS, etiology/
*DISGERMINOMA, enzymology/ ESTERASES,
metabolism/ FEMALE/ HUMAN/
HYDROCORTISONE, therapeutic use/
HYPERNATREMIA, etiology/
HYPOTHALAMUS, pathology/ LIPOAMIDE
DEHYDROGENASE, metabolism/ MALE/
OSMOLAR CONCENTRATION/
OXIDOREDUCTASES, metabolism/
*PINEALOMA, complications/ PINEALOMA,
drug therapy/ PINEALOMA, enzymology/
PINEALOMA, pathology/ SODIUM, blood/
*TESTICULAR NEOPLASMS, enzymology/
THYROXINE, therapeutic use/
TUBERCULOSIS, complications/
VASOPRESSIN, therapeutic use
237. Beg ZH, Allmann DW, Gibson DM: Modulation
3-hydroxy-3-methylglutaryl coenzyme A reductase
activity with cAMP and with protein fractions of r
liver cytosol.
Biochem Biophys Res Commun 54:1362-9, 15 Oct
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ADENOSINE TRIPHOSPHATE, metabolism/
*ALCOHOL OXIDOREDUCTASES, antagonists
& inhibitors/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/ *CYTOSOL/
GLUTARATES/ IN VITRO/ *LIVER, cytology/
MAGNESIUM, metabolism/ MEVALONIC
ACID/ MICROSOMES, LIVER, enzymology/
PHOSPHORUS RADIOISOTOPES/ PROTEIN
KINASE, metabolism/ *PROTEINS,
pharmacodynamics/ RATS/ TIME FACTORS
238. Begg TB: General therapeutic and prophylactic
problems in the treatment of atherosclerosis.
Acta Cardiol (Brux) Suppl 15:101-1, 1972
AGED/ ARTERIOSCLEROSIS, drug therapy/
ARTERIOSCLEROSIS, etiology/
ARTERIOSCLEROSIS, prevention & control/
*ARTERIOSCLEROSIS, therapy/ CEREBRAL
ARTERIOSCLEROSIS/ CLINICAL RESEARCH
CLOFIBRATE, therapeutic use/ CORONARY
DISEASE, etiology/ DIET THERAPY/
DIETARY FATS/ ESTROGENS, adverse
effects/ EVALUATION STUDIES/ EXERTION
FEMALE/ HUMAN/ HYPERTENSION, therap
MALE/ MIDDLE AGE/ OBESITY/ PLACEBO
SMOKING/ STRESS, PSYCHOLOGICAL
239. Begue RJ, Gustafsson JA, Gustafsson SA: Diurnal
variations in excretion of corticosteroid metabolites
in bile from male and female rats.
J Steroid Biochem 4:393-400, Jul 73
ADRENAL CORTEX HORMONES, analysis/
*ADRENAL CORTEX HORMONES, metabolism/
ANIMAL EXPERIMENTS/ *BILE, metabolism/
CARBON RADIOISOTOPES/
CHROMATOGRAPHY, GAS/ *CIRCADIAN
RHYTHM/ COMMON BILE DUCT, physiology/
DIMETHYL SULFOXIDE/ FEMALE/
GLUCURONATES, metabolism/ HYDROLYSIS
MALE/ METHODS/ RATS/ SEX FACTORS/
SPECTRUM ANALYSIS, MASS/ SULFURIC
ACIDS, metabolism
240. Beler HM, Kühnel W: Pseudopregnancy in the rabbit
after stimulation by human chorionic gonadotropin.
Horm Res 4:1-27, 1973
ANIMAL EXPERIMENTS/
ELECTROPHORESIS, DISC/ ENDOMETRIUM,
anatomy & histology/ EPITHELIAL CELLS,
physiology/ FEMALE/ *GONADOTROPINS,
CHORIONIC, pharmacodynamics/
HISTOCYTOCHEMISTRY/ HUMAN/
MICROSCOPY, ELECTRON/ MICROTOMY/
NIDATION/ OVUM, physiology/ PERFUSION
PROTEINS, metabolism/
*PSEUDOPREGNANCY, drug effects/
RABBITS/ STAINS AND STAINING/ TIME
FACTORS/ UTERUS, anatomy & histology
241. Bekhereva EP: Rol' razlichnykh otdelov
mindalevidnogo kompleksa i deistvil tsentral'nykh
kholinolitkov i estrogenov na gonadotropnuu
funktsiiu glipofiza.
Probl Endokrinol (Mosk) 19:43-7, Sep-Oct 73 (R)
*AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ CHOLINE, antagonists &
inhibitors/ ENGLISH ABSTRACT/
ESTRADIOL, physiology/ *FSH, secretion/

AUTHOR SECTION

- LH, secretion/ MALE/ *PITUITARY GLAND, physiology/ RATS
242. Belamarich FA, Simoneit LW: Aggregation of duck thrombocytes by 5-hydroxytryptamine. *Microvasc Res* 6:229-34, Sep 73
ADENOSINE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUCKS/ METHYLERGIDE, pharmacodynamics/ PIPERIDINES, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ PROSTAGLANDINS, pharmacodynamics/ PYRIMIDINES, pharmacodynamics/ *SEROTONIN, pharmacodynamics
243. Belenky MA, Chetverukhin VK, Polenov AL: The hypothalamo-hypophyseal system of the frog *Rana temporaria*. II. Functional morphology of the external zone of the median eminence during metamorphosis. *Gen Comp Endocrinol* 21:250-61, Oct 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CELL DIFFERENTIATION/ FROGS/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, anatomy & histology/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, growth & development/ LARVA/ *METAMORPHOSIS, BIOLOGICAL/ MICROSCOPY, ELECTRON/ *NERVE ENDINGS, cytology/ *RANA TEMPORARIA, anatomy & histology
244. Belenky MA, Chetverukhin VK, Polenov AL: The hypothalamo-hypophyseal system of the frog *Rana temporaria*. I. Morphometric analysis of functional states of the median eminence. *Gen Comp Endocrinol* 21:241-9, Oct 73
ANIMAL EXPERIMENTS/ CYTOPLASMIC GRANULES/ FROGS/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, cytology/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ METAMORPHOSIS, BIOLOGICAL/ MICROSCOPY, ELECTRON/ MICROSCOPY, PHASE CONTRAST/ *NERVE ENDINGS, cytology/ NEUROSECRETION/ *RANA TEMPORARIA, anatomy & histology
245. Beley A, Rochette L, Bralet J: Influence du traitement par la thyroxine et le propylthiouracile sur le taux de renouvellement de la noradrénaline dans huit organes périphériques du rat. *Arch Int Physiol Biochim* 81:287-98, May 73 (Fre)
ANIMAL EXPERIMENTS/ INTESTINES, metabolism/ KIDNEY, metabolism/ KINETICS/ LUNG, metabolism/ MALE/ MATHEMATICS/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ *NOREPINEPHRINE, hiosynthesis/ NOREPINEPHRINE, metabolism/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ SPLEEN, metabolism/ STOMACH, metabolism/ SUBMANDIBULAR GLAND, metabolism/ *THYROXINE, pharmacodynamics/ TRITIUM
246. Belić I, Kramer V, Sodić H: Microbial dehydrogenation of dihydrotomatidines. *J Steroid Biochem* 4:363-8, Jul 73
ACETYLATION/ CHOLESTANES, chem synthesis/ CHOLESTENES, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ FURSTANS, metabolism/ KETOSTEROIDS, hiosynthesis/ *NOCARDIA, metabolism/ PYRIDINES, metabolism/ SPECTRUM ANALYSIS, MASS/ SPIRO COMPOUNDS, metabolism/ STEROIDS, metabolism/ *STEROLS, metabolism
247. Bellamy R, Pitts FW, Stauffer ES: Respiratory complications in traumatic quadriplegia. Analysis of 20 years' experience. *J Neurosurg* 39:596-600, Nov 73
ADOLESCENCE/ ADULT/ AGED/ ATELECTASIS, etiology/ AUTOPSY/ CERVICAL VERTEBRAE/ CHILD/ CHILD, PRESCHOOL/ DEXAMETHASONE, adverse effects/ DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PNEUMONIA, etiology/ POSTOPERATIVE COMPLICATIONS/ PULMONARY EDEMA, etiology/ *QUADRIPLEGIA, complications/ *RESPIRATORY INSUFFICIENCY, etiology/ *SPINAL CORD INJURIES, complications/ SPINAL CORD INJURIES, drug therapy/ SPINAL CORD INJURIES, mortality/ SPINAL CORD INJURIES, surgery/ TRACHEOTOMY
248. Bellavia JV, Wallach S: Effect of phosphate and magnesium infusions on skeletal turnover and renal content of calcium, phosphorus and magnesium in rats. *Endocrinology* 93:1294-9, Dec 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ FEMALE/ HYPERCALCEMIA, metabolism/ INJECTIONS, INTRAVENOUS/ *KIDNEY, metabolism/ MAGNESIUM, administration & dosage/ MAGNESIUM, metabolism/ *MAGNESIUM, pharmacodynamics/ PHOSPHATES, administration & dosage/ *PHOSPHATES, pharmacodynamics/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ RATS/ STRONTIUM RADIOISOTOPES/ TIBIA
249. Bellet EM, Casida JE: Bicyclic phosphorus esters: high toxicity without cholinesterase inhibition. *Science* 182:1135-6, 14 Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *BRIDGED COMPOUNDS, toxicity/ CHEMISTRY/ CHOLINESTERASE INHIBITORS, toxicity/ COMPARATIVE STUDY/ CYCLIC P-OXIDES, toxicity/ ISOFLUROPHATE, toxicity/ LETHAL DOSE 50/ MICE/ *ORGANOPHOSPHORUS COMPOUNDS, toxicity/ PARATHION, toxicity
250. Bellini F: Quadri radiologici di alterazioni scheletriche in emopatie infantili. *Minerva Med* 64:2875-83, 21 Jul 73 (Ita)
ANEMIA, APLASTIC, complications/ ANEMIA, HEMOLYTIC, complications/ *BONE AND BONES, radiography/ BONE DISEASES, etiology/ BONE DISEASES, radiography/ HEMATOLOGIC DISEASES, complications/ *HEMATOLOGIC DISEASES, radiography/ HEMOGLOBINOPATHIES, complications/ HEMOPHILIA, complications/ HUMAN/ INFANT/ LEUKEMIA, complications/ OSTEOPETROSIS, radiography/ SPHEROCYTOSIS, HEREDITARY, complications/ THALASSEMIA, complications
251. Bellisario R, Carlsen RB, Bahi OP: Human chorionic gonadotropin. Linear amino acid sequence of the alpha subunit. *J Biol Chem* 248:8796-809, 10 Oct 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ASPARAGINE/ CARBOHYDRATES, analysis/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ COMPARATIVE STUDY/ CYANOGEN BROMIDE/ DISULFIDES, analysis/ ELECTROPHORESIS, PAPER/ FEMALE/ GEL FILTRATION/ *GLYCOPETIDES, analysis/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ LH, analysis/ MOLECULAR WEIGHT/ NEURAMINIC ACIDS, analysis/ OXIDATION-REDUCTION/ PREGNANCY/ SPECIES SPECIFICITY/ THERMOLYSIN/ THYROTROPIN, analysis/ TRYPSIN
252. Benbunan M, Bussei A, Revron J, et al: Les transfusions de granulocytes normaux prélevés sur séparateur de cellules. Résultats techniques et cliniques. *Nouv Rev Fr Hematol* 13:469-85, Jul-Aug 73 (Fre)
ADULT/ *AGRANULOCYTOSIS, therapy/ *BLOOD TRANSFUSION/ BLOOD TRANSFUSION, adverse effects/ CELL SEPARATION/ CHILD/ ENGLISH ABSTRACT/ ERYTHROCYTES/ HEMATOLOGY, instrumentation/ HUMAN/ HYDROCORTISONE, diagnostic use/ LEUKEMIA, therapy/ LEUKEMIA, LYMPHOBLASTIC, therapy/ LEUKEMIA, MYELOBLASTIC, therapy/ LEUKOCYTE COUNT/ LEUKOCYTES, METHODS/ TIME FACTORS

AUTHOR SECTION

253. Bencsik R, Opauszki A, Tóth M: Verbesserung der Hornhautregeneration bei Steroidtherapie. Klin Monatsbl Augenheilkd 182:796-8, Jun 73 (Ger) ADMINISTRATION, TOPICAL/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, therapeutic use/ *CORNEA, drug effects/ *CORTISONE, adverse effects/ CYSTEINE, therapeutic use/ ENGLISH ABSTRACT/ EYE DISEASES, chemically induced/ EYE DISEASES, prevention & control/ RABBITS/ REGENERATION
254. Bengtsson C: Ischaemic heart disease in women. A study based on a randomized population sample of women and women with myocardial infarction in Göteborg, Sweden. Acta Med Scand [Suppl] 5:1-128, 1973 ACUTE DISEASE/ ADULT/ AGE FACTORS/ ANGINA PECTORIS, occurrence/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL/ CORONARY DISEASE, etiology/ *CORONARY DISEASE, occurrence/ DIABETES MELLITUS, complications/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ HYPERTENSION, complications/ MALE/ MENOPAUSE/ MIDDLE AGE/ MYOCARDIAL INFARCT, mortality/ *MYOCARDIAL INFARCT, occurrence/ PREGNANCY/ PROGNOSIS/ SEX FACTORS/ SMOKING, complications/ SOCIOECONOMIC FACTORS/ STRESS, PSYCHOLOGICAL, complications/ SWEDEN/ TRIGLYCERIDES, blood
255. Bennett A: Editorial: Prostaglandins and the gastrointestinal tract. Acta Hepatogastroenterol (Stuttg) 20:93-7, Mar-Apr 73 ANIMAL EXPERIMENTS/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, metabolism/ GASTROINTESTINAL MOTILITY, drug effects/ GASTROINTESTINAL SYSTEM, drug effects/ *GASTROINTESTINAL SYSTEM, metabolism/ HUMAN/ MUSCLE, SMOOTH, drug effects/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology
256. Bennett A, Stockley HL: Electrically induced contractions of guinea-pig isolated ileum resistant to tetrodotoxin. Br J Pharmacol 48:359P-360P, Jun 73 ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANOXIA, pathophysiology/ ANTIHISTAMINICS, pharmacodynamics/ COCAINE, pharmacodynamics/ COLD/ DRUG RESISTANCE/ ELECTRIC STIMULATION/ GUINEA PIGS/ *ILEUM, drug effects/ IN VITRO/ LIDOCAINE, pharmacodynamics/ METHYLERGIDE, pharmacodynamics/ MORPHINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PHLORETIN, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ SCOPOLAMINE, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ *TETRODOTOXIN, pharmacodynamics
257. Bennett CT: Activity of osmosensitive neurons: plasma osmotic pressure thresholds. Physiol Behav 11:403-6, Sep 73 ANIMAL EXPERIMENTS/ *BLOOD/ HYPERTONIC SOLUTIONS/ *HYPOTHALAMUS, physiology/ MALE/ *NEURONS, physiology/ *OSMOTIC PRESSURE/ RATS/ SODIUM CHLORIDE/ VASOPRESSIN, secretion/ WATER/ WATER DEPRIVATION/ WATER-ELECTROLYTE BALANCE
258. Benson MD, Aldo MA: Azathioprine therapy in polymyositis. Arch Intern Med 132:447-51, Oct 73 ADULT/ ASPARTATE AMINOTRANSFERASE, blood/ *AZATHIOPRINE, therapeutic use/ CHILD/ CREATINE KINASE, analysis/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LACTATE DEHYDROGENASE, analysis/ MALE/ MUSCLES, enzymology/ *MYOSITIS, drug therapy/ MYOSITIS, enzymology/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PREGNANES, adverse effects/ PREGNANES, therapeutic use/ TIME FACTORS
259. Benson RO, Anderson AW: Observations on the adrenal glands of normal swine and swine affected with arthritis. Am J Vet Res 34:1247-51, Oct 73 ADRENAL GLANDS, analysis/ ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS ARTHRITIS, pathology/ *ARTHRITIS, veterinary/ HISTOCYTOCHEMISTRY/ LIPIDS, analysis/ *SWINE, anatomy & histology/ *SWINE DISEASES, pathology
260. Bentley PJ: Some properties of the hydro-osmotic vasopressin "effector": Interactions with N-ethylmaleimide. J Endocrinol 59:99-106, Oct 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BLADDER, drug effects/ BUFO MARINUS/ CALCIUM/ CELL MEMBRANE PERMEABILITY, drug effects/ CULTURE MEDIA/ CYSTEINE/ *ETHYLMALIMIDE, pharmacodynamics/ HYPERTONIC SOLUTIONS/ IN VITRO/ MANNITOL/ OSMOLAR CONCENTRATION/ *OSMOSIS, drug effects/ *VASOPRESSIN, antagonists & inhibitors/ ZINC
261. Bentley PJ, Candia OA, Parisi M, et al: Effects of hyperosmolality on transmembrane sodium transport in the toad bladder. Am J Physiol 225:838-24, Oct 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALDOSTERONE, pharmacodynamics/ AMPHOTERICIN B, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ BLADDER, cytology/ BLADDER, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ ELECTROPHYSIOLOGY/ EPITHELIAL CELLS, drug effects/ MICROSCOPY, ELECTRON/ *OSMOLAR CONCENTRATION/ OUABAIN, pharmacodynamics/ OXYGEN CONSUMPTION/ *SODIUM, metabolism/ SODIUM CHLORIDE/ SUCROSE/ UREA/ VASOPRESSIN, pharmacodynamics
262. Benton EV, Henke RP, Tobias CA: Heavy-particle radiography. Science 182:474-6, 2 Nov 73 ANIMAL EXPERIMENTS/ BONE AND BONES radiography/ BONE NEOPLASMS, radiography. CHICK EMBRYO/ FISHES/ METHODS/ *NEOPLASMS, radiography/ OXYGEN ISOTOPES/ *RADIOGRAPHY
263. Benveniste R, Bell J, Koepf J, et al: Alpha chain of glycoprotein hormones: presence in human serum after thyroid stimulating hormone releasing hormone. J Clin Endocrinol Metab 37:822-5, Nov 73 FEMALE/ GEL FILTRATION/ *GLYCOPROTEINS, blood/ HUMAN/ HYPOTHYROIDISM, blood/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use/ TIME FACTORS
264. Beran V, Hradecká V, Kohoutová O: Porovnání popudové terapie s léčbou glukokortikoidy u zánětu zrakového nervu. Cesk Oftalmol 29:372-4, Sep 73 (Czech) AGED/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MIDDLE AGE/ *MILK PROTEINS, therapeutic use/ *OPTIC NEURITIS, drug therapy/ VISUAL ACUITY
265. Berceanu S, Sighitea E, Gociu M, et al: Peculiar form of monoclonal gammopathies. Rev Roum Med Intern 10:249-52, 1973 ADRENAL CORTEX HORMONES, therapeutic use/ ANTIGEN-ANTIBODY COMPLEX/ BLOOD PROTEIN DISORDERS, complications/ *BLOOD PROTEIN DISORDERS, diagnosis/ BLOOD PROTEIN DISORDERS, drug therapy/ BLOOD PROTEIN DISORDERS, immunology/ BLOOD PROTEIN DISORDERS, mortality/

AUTHOR SECTION

- CHLORAMBUCIL, therapeutic use/
CRYOGLOBULINS/ HUMAN/ IGA, analysis/
IGG, analysis/ IGM, analysis/
LYMPHOSARCOMA, complications/ PURPURA,
THROMBOPENIC, diagnosis/ SPLENIC
NEOPLASMS, complications
266. Berg GR, Kalisher L, Osmond JD, et al:
99mTc-diphosphonate concentration in primary
breast carcinoma. Radiology 109:393-4, Nov 73
BONE AND BONES, radiography/ *BREAST
NEOPLASMS, diagnosis/ *CARCINOMA,
DUCTAL, diagnosis/ FEMALE/ HUMAN/
HUMERUS/ MIDDLE AGE/ NEOPLASM
METASTASIS/ *PELVIC NEOPLASMS,
diagnosis/ PHOSPHONIC ACIDS, analysis/
*PHOSPHONIC ACIDS, metabolism/
*RADIOISOTOPE SCANNING/ TECHNETIUM,
analysis/ *TECHNETIUM, metabolism
267. Berg JW, Baylor SM: The epidemiologic pathology of
ovarian cancer. Hum Patol 4:537-47, Dec 73
ADULT/ AGE FACTORS/
CYSTADENOCARCINOMA, occurrence/
CYSTADENOMA, MUCINOUS, occurrence/
DISGERMINOMA, occurrence/ EUROPE/
FEMALE/ HUMAN/ INDIA/ INTERNATIONAL
COOPERATION/ MIDDLE AGE/ OVARIAN
NEOPLASMS, diagnosis/ OVARIAN
NEOPLASMS, occurrence/ *OVARIAN
NEOPLASMS, pathology/ PROGNOSIS/
RACIAL STOCKS/ SOUTH AFRICA/
TERATOID TUMOR, occurrence/ UNITED
STATES
268. Bergad  C, Mancini RE: Effect of gonadotropins in the
induction of spermatogenesis in human prepubertal
testis. J Clin Endocrinol Metab 37:935-43, Dec 73
BIOPSY/ CHILD/ CRYPTORCHISM, pathology/
DOSE-RESPONSE RELATIONSHIP, DRUG/
DRUG SYNERGISM/ FSH/ GONADOTROPINS,
CHORIONIC, administration & dosage/
*GONADOTROPINS, CHORIONIC,
pharmacodynamics/ HUMAN/ LH/ LIVER,
pathology/ MALE/ MENOTROPINS,
administration & dosage/ *MENOTROPINS,
pharmacodynamics/ *SPERMATOGENESIS, drug
effects/ *TESTIS, drug effects
269. Bergman L, Johansson SG, Krause U: The
immunoglobulin concentrations in serum and bowel
secretion in patients with Crohn's disease.
Scand J Gastroenterol 8:401-6, 1973
ADOLESCENCE/ ADULT/ ALBUMINS,
analysis/ ENTERITIS, REGIONAL, blood/
ENTERITIS, REGIONAL, drug therapy/
ENTERITIS, REGIONAL, immunology/
FEMALE/ GEL DIFFUSION TESTS/ HUMAN/
IGA, analysis/ IGE, analysis/ IGG, analysis/
IGM, analysis/ *IMMUNOGLOBULINS, analysis/
*INTESTINAL SECRETIONS, analysis/ MALE/
MIDDLE AGE/ PREDNISOLONE, therapeutic
use/ RADIOIMMUNOASSAY/ SERUM
ALBUMIN, analysis
270. Bergsj  P: Barn og P-p ller. Hvilken risiko er det ved
aksidentelt inntak.
Tidsskr Nor L geforen 93:1255, 10 Jun 73 (Nor)
*CONTRACEPTIVES, ORAL, poisoning/
ESTROGENS, poisoning/ FEMALE/ HUMAN/
UTERINE HEMORRHAGE, chemically induced/
VOMITING, chemically induced
271. Bergstr m B, Drettner B, Stenkvist B: Transnasal
aspiration biopsy of central skull base destructions.
Acta Cytol (Baltimore) 17:425-30, Sep-Oct 73
*BIOPSY, NEEDLE/ *BONE DISEASES,
diagnosis/ *CYTODIAGNOSIS/ HUMAN/
METHODS/ NOSE/ PITUITARY NEOPLASMS,
diagnosis/ *SKULL/ *SKULL NEOPLASMS,
diagnosis
272. Berkhin EB: K mekhanizmu polluricheskoi fazy
deistviya gormonov nefrologov. (Rus)
Fiziol Zh SSSR 59:652-7, Apr 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CORTICOTROPIN, pharmacodynamics/
CREATININE, analysis/ *DIURESIS, drug
effects/ DOGS/ ENGLISH ABSTRACT/
GLOMERULAR FILTRATION RATE/ KIDNEY,
drug effects/ LYSINE/ NATRIURESIS, drug
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PHOTOMETRY/ *PITUITARY HORMONES,
POSTERIOR, pharmacodynamics/ *POLYURIA,
chemically induced/ POTASSIUM, urine/ TIME
FACTORS/ URINARY CATHETERIZATION/
VASOPRESSIN, pharmacodynamics
273. Berkowitz JS, David DS, Sakai S, et al: Ocular
complications in renal transplant recipients.
Am J Med 55:492-5, Oct 73
ADOLESCENCE/ ADULT/ CATARACT,
etiology/ CHILD/ *EYE DISEASES, etiology/
FEMALE/ HUMAN/ *KIDNEY, transplantation/
MALE/ MIDDLE AGE/ PREDNISOLONE,
adverse effects/ TRANSPLANTATION
IMMUNOLOGY
274. Berkowitz JS, David DS, Sakai S, et al: Ocular
complications in renal transplant recipients.
Am J Med 55:492-5, Oct 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
BODY WEIGHT/ CALCIUM, urine/
CATARACT, etiology/ CHILD/ CREATININE,
urine/ EVALUATION STUDIES/ *EYE
DISEASES, etiology/ FEMALE/
HEMODIALYSIS/ HUMAN/
IMMUNOSUPPRESSION, adverse effects/
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*KIDNEY, transplantation/ KIDNEY FAILURE,
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PREDNISOLONE, administration & dosage/
PREDNISOLONE, adverse effects/ TIME
FACTORS/ TRANSPLANTATION,
HOMOLOGOUS/ TRANSPLANTATION
IMMUNOLOGY/ VISUAL ACUITY, drug
effects
275. Bernard JC, Vazquez CA: Visceral lesions in
lepromatous leprosy. Study of sixty necropsies.
Int J Lepr 41:94-101, Jan-Mar 73
ADRENAL GLAND DISEASES, pathology/
ADULT/ AGED/ AMYLOIDOSIS, complications/
ARGENTINA/ AUTOPSY/ BLOOD VESSELS,
pathology/ CARDIOVASCULAR DISEASES,
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FEMALE/ GALLBLADDER DISEASES,
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MENINGES, pathology/ MIDDLE AGE/
PANCREATIC DISEASES, complications/
RESPIRATORY TRACT DISEASES,
complications/ SKIN, pathology/ SKIN
DISEASES, complications/ SPLEEN, pathology/
TESTIS, pathology
276. Bernard-Well E, Metzger J, Pertuiset B: Traitement
hormonal (vasopressine-cortico ides) de 16 cas de
tumeurs c r brales inop rables   potentiel malin, nul
ou mod r .
Sem Hop Paris 49:1687-97, 14 May 73 (Fre)
ADULT/ AGED/ ASTROCYTOMA, drug
therapy/ BRAIN NEOPLASMS, diagnosis/
*BRAIN NEOPLASMS, drug therapy/
CORTICOTROPIN, therapeutic use/
CRANIOPHARYNGIOMA, drug therapy/
ECHOENCEPHALOGRAPHY/
ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ FEMALE/ GLUCOCORTICOIDS,
therapeutic use/ HUMAN/ MALE/
MENINGIOMA, drug therapy/
METHYLPREDNISOLONE, therapeutic use/
MIDDLE AGE/ NEUROFIBROMATOSIS, drug
therapy/ PERIMETRY/ *VASOPRESSIN,
therapeutic use/ VENTRICULOGRAPHY
277. Bernhardsson C, Bj rkhem I, Danielsson H, et al:
12alpha-hydroxylation of
7alpha-hydroxy-4-cholesten-3-one by a reconstituted
system from rat liver microsomes.
Biochem Biophys Res Commun 54:1030-8, 1 Oct 73
ANIMAL EXPERIMENTS/ *CHOLESTENES,
metabolism/ CHROMATOGRAPHY, THIN
LAYER/ CYTOCHROME P-450, metabolism/
CYTOCHROME REDUCTASES, metabolism/
HYDROXYLATION/ HYDROXYSTERIODS,
metabolism/ IN VITRO/ KETOSTEROIDS,
metabolism/ LECITHINS, metabolism/ MALE/
MICROSOMES, LIVER, enzymology/

AUTHOR SECTION

- *MICROSOMES, LIVER, metabolism/ NADP, metabolism/ RATS/ TIME FACTORS/ TRITIUM
278. Berry CA: View of human problems to be addressed for long-duration space flights. *Aerosp Med* 44:1136-46, Oct 73
ADAPTATION, PHYSIOLOGICAL/ ADAPTATION, PSYCHOLOGICAL/ AIR MICROBIOLOGY/ ALDOSTERONE, physiology/ ARRHYTHMIA, etiology/ BACTERIA/ BLOOD PRESSURE/ BLOOD VOLUME/ BODY WEIGHT/ DEFECATION/ EATING/ EXERCISE THERAPY/ FEMALE/ FOOD/ FUNGI/ GROUP STRUCTURE/ HEART RATE/ HUMAN/ HYGIENE/ MALE/ MINERALS, metabolism/ MUSCULOSKELETAL SYSTEM, pathology/ POTASSIUM, metabolism/ PROTECTIVE CLOTHING/ RADIATION EFFECTS/ RECREATION/ SEALED CABIN ECOLOGY/ SENSORY DEPRIVATION/ SLEEP/ SOCIAL ISOLATION/ SPACE FLIGHT/ TIME FACTORS/ UNITED STATES/ USSR/ VASOPRESSIN, physiology/ VESTIBULAR APPARATUS, physiology/ WATER-ELECTROLYTE BALANCE/ WEIGHTLESSNESS, adverse effects
279. Berry HM Jr: The lore and the lure of the lamina dura. *Radiology* 109:525-8, Dec 73
ALVEOLAR PROCESS, radiography/ BONE RESORPTION/ DENTAL CEMENTUM, radiography/ DENTITION/ HUMAN/ HYPERPARATHYROIDISM, radiography/ MANDIBLE, radiography/ MOLAR, radiography/ ORAL MANIFESTATIONS/ PERIODONTAL LIGAMENT, radiography
280. Bersch W, Alexy E, Heuser HP, et al: Ectopic decidua formation in the ovary (so-called deciduoma). *Virchows Arch [Pathol Anat]* 360:173-7, 9 Aug 73
CESAREAN SECTION/ DECIDUA, pathology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ OVARIAN DISEASES, pathology/ OVARIAN NEOPLASMS, diagnosis/ PREGNANCY/ PREGNANCY COMPLICATIONS, pathology/ STERILIZATION, SEXUAL
281. Bertolini R: Investigations into the development of connective tissue in the testicles and pampiniform plexus. *Folia Morphol (Praha)* 21:175-7, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ CONNECTIVE TISSUE, growth & development/ EPIDIDYMI, blood supply/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ PREGNANCY/ SPERMATIC CORD, growth & development/ TESTIS, blood supply/ TESTIS, growth & development/ VEINS, growth & development
282. Bertolissi F, Lazzari G, Noacco C: Sindrome di Conn da duplice adenoma corticosurrenalico. Ablazione chirurgica e guarigione. *Minerva Med* 64:2945-9, 28 Jul 73 (Ita)
ADENOMA, complications/ ADENOMA, pathology/ ADENOMA, surgery/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ BIOPSY/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, etiology/ HYPERALDOSTERONISM, pathology/ HYPERALDOSTERONISM, surgery/ KIDNEY TUBULES, pathology/ SYNDROME
283. Beruter J, Beauchamp GK, Muetterties EL: Complexity of chemical communication in mammals: urinary components mediating sex discrimination by male guinea pigs. *Biochem Biophys Res Commun* 53:264-71, 2 Jul 73
ANIMAL COMMUNICATION/ ANIMAL EXPERIMENTS/ CASTRATION/ CENTRIFUGATION/ CHROMATOGRAPHY, ION EXCHANGE/ DIALYSIS/ DISCRIMINATION/ FEMALE/ GUINEA PIGS/ MALE/ MOLECULAR WEIGHT/ OVARY, physiology/ SEX/ URINE/ VOLATILIZATION
284. Bestagno M, Rembado R, Guerra U: Cesium 131 as scanning agent in the evaluation of "cold" thyroid nodules. *J Nucl Biol Med* 17:111-2, Jul-Sep 73
CESIUM ISOTOPES/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, diagnosis
285. Bethge K, Bartels H: Untersuchungen zum Magnesium-Stoffwechsel in der Neugeborenenperiode. *Monatsschr Kinderheilkd* 121:319-21, Jul 73 (Ger)
AGE FACTORS/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, etiology/ INFANT, PREMATURE/ MAGNESIUM, blood/ MAGNESIUM, metabolism/ SERUM ALBUMIN, analysis/ TETANY, etiology
286. Bettendorf G, Lehmann F, Breckwoldt M: Induction of ovulation with human gonadotropins, analysis of plasma steroid pattern. *Endocrinol Exp (Bratisl)* 7:215-20, Sep 73
ADULT/ AMENORRHEA, drug therapy/ BODY TEMPERATURE/ ESTROGENS, blood/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HYDROXYPROGESTERONE, blood/ MENOTROPINS, pharmacodynamics/ MENOTROPINS, therapeutic use/ MENSTRUATION/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ TIME FACTORS
287. Bezverkhaya TP: Aldosteronuria u bol'nykh sakharnym diabetom. *Probl Endokrinol (Mosk)* 19:10-3, Sep-Oct 73 (Russ)
ADOLESCENCE/ ADRENAL GLANDS, metabolism/ ADULT/ AGED/ ALDOSTERONE, urine/ DIABETES MELLITUS, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ TIME FACTORS
288. Bhagavan HN, Coursin DB: Effects of pyridoxin deficiency and DL-p-chlorophenylalanine administration to rats on 5-hydroxytryptamine and noradrenaline concentrations in brain and 5-hydroxytryptamine concentration in blood. *Biochem J* 134:763-7, Jul 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BRAIN, anatomy & histology/ BRAIN CHEMISTRY, drug effects/ CARBOXY-LYASES, metabolism/ GROWTH, drug effects/ MALE/ NOREPINEPHRINE, analysis/ ORGAN WEIGHT/ PYRIDOXINE DEFICIENCY, metabolism/ RATS/ SEROTONIN, analysis/ SEROTONIN, blood/ TRYPTOPHAN HYDROXYLASE, metabolism
289. Bhattacharya M, Barlow JJ: An immunologic comparison between serous cystadenocarcinoma of the ovary and other human gynecologic tumors. *Am J Obstet Gynecol* 117:849-53, 15 Nov 73
ADENOCARCINOMA, immunology/ ANTIGEN DETERMINANTS/ ANTIGENS, NEOPLASM, analysis/ CARCINOMA, EPIDERMAL, immunology/ CARCINOSARCOMA, immunology/ CERVIX NEOPLASMS, immunology/ COMPARATIVE STUDY/ CYSTADENOCARCINOMA, immunology/ CYSTADENOMA, MUCINOUS, immunology/ FEMALE/ GEL DIFFUSION TESTS/ GRANULOSA CELL TUMOR, immunology/ GYNECOLOGIC NEOPLASMS, immunology/ HUMAN/ IMMUNE SERUMS/ IN VITRO/ OVARIAN CYSTS, immunology/ OVARIAN NEOPLASMS, immunology/ PRECIPITIN TESTS/ RABBITS, immunology/ TERATOID TUMOR, immunology/ UTERINE NEOPLASMS, immunology
290. Bidlingmaier F, Wagner-Barnack M, Butenandt O, et al: Plasma estrogens in childhood and puberty and physiologic and pathologic conditions. *Pediatr Res* 7:901-7, Nov 73
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, blood/ ADRENAL GLAND

AUTHOR SECTION

- HYPERFUNCTION, congenital/ ADULT/
CATTLE/ CHILD/ CHILD, PRESCHOOL/
*ENDOCRINE DISEASES, blood/ *ESTRADIOL,
blood/ *ESTRONE, blood/ FEMALE/
GYNECOMASTIA, blood/ HUMAN/
HYPOPHYSECTOMY, blood/ INFANT/
INFANT, NEWBORN/ *INFANT, NEWBORN,
DISEASES, blood/ MALE/ MIDDLE AGE/
*PUBERTY/ RABBITS/
RADIOIMMUNOASSAY/ TESTIS, abnormalities/
TURNER'S SYNDROME, blood
291. Bielański A: Effect of 1-
-methylallylthiocarbamoyl-2-
methylthiocarbamoylhydrazine (Methallthure) on the
reproductive organs in gilts (uterus, oviducts,
ovaries). Bull Acad Pol Sci [Biol] 21:561-4, 1973
ALLYL COMPOUNDS, pharmacodynamics/
ANIMAL EXPERIMENTS/ ESTRUS/
*FALLOPIAN TUBES, drug effects/ FEMALE/
*OVARY, drug effects/ SWINE/ *THIOUREA,
pharmacodynamics/ *UTERUS, drug effects
292. Bielińska M, Piechowska MJ: Activity of adenosine
3',5'-cyclic monophosphate phosphodiesterase in
tissues of adult locust *Schistocerca gregaria* L.
(Orthoptera). Bull Acad Pol Sci [Biol] 21:471-8, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
AGE FACTORS/ ANIMAL EXPERIMENTS/
FEMALE/ *GRASSHOPPERS, enzymology/
MALE/ *PHOSPHODIESTERASES, metabolism/
SEX FACTORS
293. Bierlich JR: Silver-Russell-Syndrom und andere Formen
von intrauterinem Zwergwuchs.
Monatsschr Kinderheilkd 121:286-9, Jul 73 (Ger)
*ABNORMALITIES, MULTIPLE, diagnosis/
BIRTH WEIGHT/ CHILD, PRESCHOOL/
*CRANIOFACIAL DYSOSTOSIS, diagnosis/
DIAGNOSIS, DIFFERENTIAL/ DWARFISM,
complications/ *DWARFISM, congenital/
DWARFISM, diagnosis/ FEMALE/
GESTATIONAL AGE/ HUMAN/ MALE/
PLACENTA DISORDERS, complications/
SYNDROME
294. Bierman HR: Predictive oncology. 2.
Int Surg 58:763-7, Nov-Dec 73
ADRENAL GLAND NEOPLASMS, occurrence/
AGE FACTORS/ BREAST NEOPLASMS,
occurrence/ CYTODIAGNOSIS/ ETHNIC
GROUPS/ FEMALE/ GASTROINTESTINAL
NEOPLASMS, occurrence/ HUMAN/
LEUKEMIA, occurrence/ LYMPHOMA,
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NEOPLASMS, diagnosis/ NEOPLASMS,
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PANCREATIC NEOPLASMS, occurrence/
PRECANCEROUS CONDITIONS/
SOCIOECONOMIC FACTORS/ STATISTICS/
THERMOGRAPHY/ THYROID NEOPLASMS,
occurrence/ UTERINE NEOPLASMS,
occurrence
295. Bierman HR: Predictive oncology. 1.
Int Surg 58:683-92, Oct 73
ANIMAL EXPERIMENTS/ CARCINOGENS/
CHROMOSOME ABNORMALITIES, familial &
genetic/ DERMATOGLYPHICS/ HUMAN/
HYPERSENSITIVITY, complications/
INTESTINAL POLYPS, familial & genetic/
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complications/ NEOPLASMS, diagnosis/
NEOPLASMS, etiology/ NEOPLASMS, familial
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NEOPLASMS, prevention & control/
NEUROBLASTOMA, familial & genetic/
NEUROFIBROMATOSIS, familial & genetic/
ONCOGENIC VIRUSES/
PHEOCHROMOCYTOMA, familial & genetic/
PROBABILITY/ RETINOBLASTOMA, familial
& genetic
296. Biesin A, Gaujens J, Sungaila E:
Spelseröhrenverätzung bei Kindern.
Zentralbl Chir 98:1009-12, 13 Jul 73 (Ger)
ACIDS/ ADRENAL CORTEX HORMONES,
therapeutic use/ AGE FACTORS/ ALKALIES/
ANTIBIOTICS, therapeutic use/ *BURNS,
CHEMICAL, diagnosis/ BURNS, CHEMICAL,
drug therapy/ BURNS, CHEMICAL, therapy/
CHILD/ CHILD, PRESCHOOL/ DILATATION/
*ESOPHAGUS, injuries/ HUMAN/ INFANT
297. Bigger JF, Zink HA, Palmberg PF, et al: An in vitro
evaluation of tetrahydrotriamcinolone.
Invest Ophthalmol 12:856-8, Nov 73
DNA, hiosynthesis/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ GLAUCOMA, drug
therapy/ HUMAN/ INTRAOCULAR
PRESSURE, drug effects/ LYMPHOCYTE
TRANSFORMATION, drug effects/ PLANT
AGGLUTININS, pharmacodynamics/
PREDNISOLONE, pharmacodynamics/
THYMIDINE, metabolism/ *TRIAMCINOLONE,
pharmacodynamics/ TRIAMCINOLONE,
therapeutic use/ TRITIUM
298. Biggers JD: Reproductive biology and human welfare.
Perspect Biol Med 16:630-49, Summer 73
ANIMAL EXPERIMENTS/ CONTRACEPTION/
ECOLOGY/ ESTROGENS, pharmacodynamics/
ESTRUS/ FERTILIZATION/ HUMAN/
MENSTRUATION/ PEST CONTROL,
BIOLOGICAL/ POPULATION CONTROL/
*REPRODUCTION/ STERILITY, drug therapy/
UROLOGIC DISEASES, drug therapy
299. Bilezikian JP, Doppman JL, Powell D, et al:
Preoperative localization of abnormal parathyroid
tissue. Cumulative experience with venous sampling
and arteriography. Am J Med 55:505-14, Oct 73
*ADENOMA, diagnosis/ ADENOMA, pathology/
ANGIOGRAPHY/ BLOOD SPECIMEN
COLLECTION/ CATHETERIZATION/
COMPARATIVE STUDY/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/
HYPERPARATHYROIDISM, blood/
*HYPERPARATHYROIDISM, diagnosis/
HYPERPLASIA, diagnosis/ HYPERPLASIA,
pathology/ METHODS/ PARATHYROID
GLANDS, pathology/ *PARATHYROID
HORMONE, blood/ *PARATHYROID
NEOPLASMS, diagnosis/ PHLEBOGRAPHY/
RADIOIMMUNOASSAY/ *THYROID GLAND,
blood supply/ *VEINS
300. Billingham ME, Morley J, Hanson JM, et al: Letter: An
anti-inflammatory peptide from bee venom.
Nature 245:163-4, 21 Sep 73
ADJUVANTS, IMMUNOLOGIC/ ANIMAL
EXPERIMENTS/ *ANTI-INFLAMMATORY
AGENTS/ ANTI-INFLAMMATORY AGENTS,
administration & dosage/ *ARTHRITIS, drug
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*EDEMA, drug therapy/ INDOMETHACIN,
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INTRA-ARTICULAR/ INJECTIONS,
INTRAVENOUS/ INJECTIONS,
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PHENYLBUTAZONE, therapeutic use/ RATS/
SERUM ALBUMIN, RADIO-IODINATED/
SODIUM SALICYLATE, therapeutic use/
TURPENTINE/ *VENOMS, analysis
301. Bindra JS, Grodski A, Schaaf TK, et al: New extensions
of the bicyclo[2.2.1]heptane route to prostaglandins.
J Am Chem Soc 95:7522-3, 31 Oct 73
*BRIDGED COMPOUNDS, chem synthesis/
CYCLOHEPTANES, chem synthesis/
METHODS/ OPTICAL ROTATION/
*PROSTAGLANDINS, chem synthesis/
STRUCTURE-ACTIVITY RELATIONSHIP
302. Binnie WH, Mitchell DF: Induced calcification in the
subdermal tissues of the rat.
J Dent Res 52:1087-91, Sep-Oct 73
CALCIFICATION, PHYSIOLOGIC/ *CALCIUM
HYDROXIDE, pharmacodynamics/ CAPSULES/
COMPARATIVE STUDY/ *CONNECTIVE
TISSUE, drug effects/
HISTOCYTOCHEMISTRY/ HUMAN/
HYDROXIDES, pharmacodynamics/
*MAGNESIUM, pharmacodynamics/
MICROSCOPY, FLUORESCENCE/ *PLASTER
OF PARIS, pharmacodynamics/ RATS/

AUTHOR SECTION

- TETRACYCLINE, diagnostic use/ TRIAZINES, diagnostic use
303. Bird T, Stephenson J: Evaluation of a tanned red cell technique for thyroid microsomal antibodies. *J Clin Pathol* 28:623-7, Aug 73
*AUTOANTIBODIES, analysis/ COMPLEMENT FIXATION TESTS/ *ERYTHROCYTES, immunology/ FLUORESCENT ANTIBODY TECHNIC/ *HEMAGGLUTINATION TESTS/ HUMAN/ METHODS/ *MICROSOMES, immunology/ SHEEP, immunology/ THYROGLOBULIN/ *THYROID GLAND, immunology
 304. Biriuchkov IuV: Osobennosti proslavleni i lechenia shoka u bol'nykh s otkrytoi cherepno-mozgovoi travmoy. *Vopr Nefrokhir* 37:16-20, May-Jun 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic use/ BLOOD TRANSFUSION/ *BRAIN INJURIES, ACUTE, complications/ ENGLISH ABSTRACT/ FRACTURES, OPEN/ HUMAN/ RESPIRATION, ARTIFICIAL/ SHOCK, TRAUMATIC, diagnosis/ SHOCK, TRAUMATIC, etiology/ *SHOCK, TRAUMATIC, therapy/ *SKULL FRACTURES, complications
 305. Birk L, Williams GH, Chasin M, et al: Serum testosterone levels in homosexual men. *N Engl J Med* 289:1236-8, 6 Dec 73
ADULT/ *HOMOSEXUALITY, blood/ HOMOSEXUALITY, classification/ HOMOSEXUALITY, therapy/ HUMAN/ MALE/ PSYCHOLOGICAL TESTS/ PSYCHOTHERAPY/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TIME FACTORS
 306. Birnbaumer L: Hormone-sensitive adenylyl cyclases. Useful models for studying hormone receptor functions in cell-free systems. *Biochim Biophys Acta* 300:129-58, 10 Sep 73 (73 ref.)
ADENOSINE TRIPHOSPHATE/ *ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CATIONS, DIVALENT/ CELL-FREE SYSTEM/ CELL MEMBRANE, drug effects/ *CELL MEMBRANE, enzymology/ CORTICOTROPIN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GUANOSINE TRIPHOSPHATE/ KIDNEY MEDULLA, enzymology/ KINETICS/ LH, pharmacodynamics/ LIVER, enzymology/ MODELS, BIOLOGICAL/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ *RECEPTORS, HORMONE/ REVIEW/ SECRETIN, pharmacodynamics/ THYROTROPIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics
 307. Biron KK, Raška K Jr: Effects of dibutyryl-cAMP on adenovirus replication in different cell lines. *Virology* 56:383-5, Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOVIRUS, growth & development/ CARCINOMA/ *CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ COMPARATIVE STUDY/ CULTURE MEDIA/ HAMSTERS/ HELA CELLS/ HUMAN/ KIDNEY/ LUNG/ MOUTH NEOPLASMS/ *SEROTYPING/ VIRUS REPLICATION, drug effects
 308. Bishun NP, Williams DC, Mills J, et al: Chromosome damage induced by chemicals. *Chem Biol Interact* 6:375-92, Jun 73 (68 ref.)
ALCOHOL, ETHYL, pharmacodynamics/ ANTINEOPLASTIC AGENTS, adverse effects/ ASPIRIN, adverse effects/ BENZENE, pharmacodynamics/ CAFFEINE, adverse effects/ CHLORAMPHENICOL, adverse effects/ CHLORINE, pharmacodynamics/ CHLORPROMAZINE, adverse effects/ CHROMOSOME ABERRATIONS/ *CHROMOSOMES, drug effects/ COLCHICINE, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ CYCLAMATES, adverse effects/ DIAZEPAM, adverse effects/ DIBENZAZEPINES, adverse effects/ DRUG EVALUATION/ HUMAN/ HYDROXYLAMINES, pharmacodynamics/ LEUKOCYTE CULTURE TEST, MIXED/ LITHIUM, adverse effects/ LYSERGIC ACID DIETHYLAMIDE, adverse effects/ NICOTINE, adverse effects/ ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ OZONE, pharmacodynamics/ PESTICIDES, pharmacodynamics/ PHENYLBUTAZONE, adverse effects/ REVIEW
 309. Bisset GW, Errington ML, Richards CD: The distribution of vasopressin and oxytocin in the hypothalamoneurohypophyseal system of the guinea-pig. *Br J Pharmacol* 48:263-72, Jun 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ BRAIN CHEMISTRY, drug effects/ FEMALE/ GUINEA PIGS/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, analysis/ IN VITRO/ LACTATION, drug effects/ MALE/ *OXYTOCIN, analysis/ OXYTOCIN, isolation & purification/ PITUITARY GLAND, analysis/ PITUITARY GLAND, POSTERIOR, analysis/ TISSUE EXTRACTS, analysis/ TISSUE EXTRACTS, pharmacodynamics/ TRYPSIN/ *VASOPRESSIN, analysis/ VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, isolation & purification
 310. Biswas R, Mukherjee M: Effect of ovarian hormones on lipid metabolism in different tissues of rats. *Acta Physiol Acad Sci Hung* 42:213-8, 1972
ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ ESTRADIOL, antagonists & inhibitors/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KIDNEY, analysis/ *KIDNEY, metabolism/ LIPIDS, analysis/ LIPIDS, isolation & purification/ *LIPIDS, metabolism/ LIVER, analysis/ *LIVER, metabolism/ ORGAN WEIGHT/ PHOSPHOLIPIDS, analysis/ *PROGESTERONE, pharmacodynamics/ RATS/ SILICA/ UTERUS, analysis/ *UTERUS, metabolism
 311. Bito LZ: Absorptive transport of prostaglandins from intracellular fluids to blood: a review of recent findings. *Exp Eye Res* 16:299-306, 10 Aug 73 (18 ref.)
ABSORPTION/ ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, metabolism/ BIOLOGICAL TRANSPORT/ *BODY FLUIDS, metabolism/ CATS/ CHOROID PLEXUS/ CILIARY BODY, metabolism/ CULTURE MEDIA/ *EYE, metabolism/ MEMBRANES, metabolism/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, metabolism/ RABBITS/ RATS/ REVIEW/ RODENTS/ SHARKS/ SUCROSE, metabolism/ TEMPERATURE/ TISSUE CULTURE/ TRITIUM/ UVEA, metabolism/ VITREOUS BODY, metabolism
 312. Bito LZ, Saraf S: The effects of cold on corneal thickness and on aqueous humor and blood plasma composition of *Rana pipiens*. *Exp Eye Res* 16:315-25, 10 Aug 73
ANIMAL EXPERIMENTS/ *AQUEOUS HUMOR, metabolism/ *BLOOD CHEMICAL ANALYSIS/ BODY TEMPERATURE/ CALCIUM, metabolism/ CHLORIDES, metabolism/ *COLD/ *CORNEA, physiology/ DEHYDRATION/ EYE, physiology/ FROGS/ GLUCOSE, metabolism/ HIBERNATION/ LACTATES, metabolism/ MAGNESIUM, metabolism/ OSMOLAR CONCENTRATION/ POTASSIUM, metabolism/ RANA PIPIENS/ RODENTS/ SEASONS/ SODIUM, metabolism
 313. Bitsch V: Infectious bovine rhinotracheitis virus infection in bulls, with special reference to preputial infection. *Appl Microbiol* 26:337-43, Sep 73
ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL, analysis/ BODY TEMPERATURE/ *CARRIER STATE, veterinary/ CATTLE/ *CATTLE DISEASES, etiology/ CELL LINE/ INFECTIOUS BOVINE RHINOTRACHEITIS, drug therapy/ INFECTIOUS BOVINE

AUTHOR SECTION

- RHINOTRACHEITIS, etiology/ INFECTIOUS
BOVINE RHINOTRACHEITIS, immunology/
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microbiology/ NEUTRALIZATION TESTS/
*PENIS, microbiology/ PREDNISOLONE,
therapeutic use/ SEMEN, microbiology/ TIME
FACTORS/ TISSUE CULTURE/ VIRUS
CULTIVATION
314. Bittel-Dobrzyńska N, Dorant B: Chlorpropamid w
leczeniu moczówki prostej u dzieci.
Pediatr Pol 48:979-86, Aug 73 (Pol)
ADOLESCENCE/ AGE FACTORS/ CHILD/
*CHLORPROPAMIDE, therapeutic use/
*DIABETES INSIPIDUS, drug therapy/
ENGLISH ABSTRACT/ EVALUATION
STUDIES/ FEMALE/ HUMAN/ MALE
315. Bjerre B, Björklund A, Stenevi U: Stimulation of
growth of new axonal sprouts from lesioned
monoamine neurones in adult rat brain by nerve
growth factor. Brain Res 60:161-76, 28 Sep 73
ANIMAL EXPERIMENTS/ AXONS, drug
effects/ *AXONS, physiology/
CATECHOLAMINES/ *DIENCEPHALON, drug
effects/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ IRIS, transplantation/ *NERVE
GROWTH FACTOR, pharmacodynamics/
*NERVE REGENERATION, drug effects/
NEURONS, drug effects/ RATS/
TRANSPLANTATION, AUTOLOGOUS
316. Bjerre B, Nord L: Effects of nerve growth factor on
competent chick ectoderm.
Experientia 29:1018-9, 15 Aug 73
ANIMAL EXPERIMENTS/ ANTIGENS,
analysis/ CENTRAL NERVOUS SYSTEM, drug
effects/ CENTRAL NERVOUS SYSTEM,
embryology/ CENTRAL NERVOUS SYSTEM,
immunology/ CHICK EMBRYO/ *ECTODERM,
drug effects/ ECTODERM, immunology/
ECTODERM, innervation/ FLUORESCENT
ANTIBODY TECHNIC/ *NERVE GROWTH
FACTOR, pharmacodynamics/ TISSUE
CULTURE
317. Bjoro K: Testikulaer feminisering.
Tidsskr Nor Laegeforen 93:1040-2, 20 May 73 (10 ref.)
(Nor)
ADULT/ CHILD/ HUMAN/ MALE/ REVIEW/
*TESTICULAR FEMINIZATION, therapy
318. Bjoro K: Primaer amenoré.
Tidsskr Nor Laegeforen 93:1028-31, 20 May 73 (Nor)
ADOLESCENCE/ ADULT/ AMENORRHEA,
complications/ AMENORRHEA, diagnosis/
*AMENORRHEA, etiology/ DIAGNOSIS,
DIFFERENTIAL/ ENGLISH ABSTRACT/
FEMALE/ GENITALIA, FEMALE,
abnormalities/ HUMAN/ OVARIAN CYSTS,
complications/ OVARIAN DISEASES,
complications/ PSYCHOPHYSIOLOGIC
DISORDERS, complications
319. Black HE, Capen CC, Yarrington JT, et al: Effect of a
high calcium prepartal diet on calcium homeostatic
mechanisms in thyroid glands, bone, and intestine of
cows. Lab Invest 29:437-48, Oct 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ *BONE AND BONES, metabolism/
BONE RESORPTION/ CALCITONIN, analysis/
CALCIUM, analysis/ CALCIUM, blood/
*CALCIUM, metabolism/ *CALCIUM,
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*DUODENUM, metabolism/ FECES, analysis/
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PREGNANCY/ *PREGNANCY, ANIMAL/
PROTEIN BINDING/ THYROID GLAND,
analysis/ THYROID GLAND, cytology/
*THYROID GLAND, physiology
320. Black HE, Capen CC, Young DM: Ultimobranchial
thyroid neoplasms in bulls. A syndrome resembling
medullary thyroid carcinoma in man.
Cancer 32:865-78, Oct 73
ADENOMA, physiotherapy/ AMYLOID,
analysis/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ CALCITONIN, blood/
CALCITONIN, secretion/ CALCIUM,
pharmacodynamics/ CARCINOMA,
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DISEASES/ *CATTLE DISEASES, pathology/
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NEOPLASTIC ENDOCRINE-LIKE SYNDROMES,
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SYNDROMES, veterinary/ PARATHYROID
GLANDS, pathology/ PHOSPHORUS, blood/
RIBOSOMES/ THYROID NEOPLASMS,
pathology/ THYROID NEOPLASMS,
physiotherapy/ *THYROID NEOPLASMS,
veterinary/ *ULTIMOBRANCHIAL BODY
321. Black J, Korostoff E: Dynamic mechanical properties of
viable human cortical bone. J Biomech 6:435-8, Sep 73
AGE FACTORS/ AGED/ ANIMAL
EXPERIMENTS/ BIOMECHANICS/ BONE AND
BONES, cytology/ *BONE AND BONES,
physiology/ ELASTICITY/ FIBROBLASTS/
MALE/ STRESS, MECHANICAL/ TIBIA,
physiology/ TIME FACTORS
322. Black JI: Sarcoidosis of the nose.
Proc R Soc Med 66:669-75, Jul 73
ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ BRONCHI, pathology/
DIAGNOSIS, DIFFERENTIAL/ FEMALE/
HUMAN/ MALE/ MIDDLE AGE/ MUCOUS
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*SARCOIDOSIS/ SARCOIDOSIS, diagnosis/
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etiology/ SARCOIDOSIS, pathology/
SARCOIDOSIS, radiography/ SKIN DISEASES,
diagnosis/ SKIN TESTS/ TUBERCULIN TEST/
TUBERCULOSIS, diagnosis
323. Blackard CE, Doe RP, Seal US: Serum
corticosteroid-binding globulin, cortisol, and
nonprotein-bound cortisol levels in patients receiving
estrogen for carcinoma of the prostate.
Invest Urol 11:194-7, Nov 73
ADENOCARCINOMA, blood/
*ADENOCARCINOMA, drug therapy/
ADENOCARCINOMA, physiotherapy/
ADRENAL GLANDS, physiotherapy/
BINDING, COMPETITIVE/ BLOOD PROTEIN
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*DIETHYLSTILBESTROL, therapeutic use/
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*PROSTATIC NEOPLASMS, drug therapy/
PROSTATIC NEOPLASMS, physiotherapy/
SERUM ALBUMIN, analysis/ STIMULATION,
CHEMICAL/ TIME FACTORS/
*TRANSCORTIN/ TRITIUM
324. Blackard WG, Andrews SS, Lazarus EJ, et al: Effect of
growth hormone deficiency on glucagon secretion.
Proc Soc Exp Biol Med 143:1042-4, Sep 73
ADOLESCENCE/ ADULT/ ANTIGENS/
ARGININE, pharmacodynamics/ CHILD/
*GLUCAGON, secretion/ HUMAN/
*HYPOPHYSITARISM, metabolism/ INSULIN,
secretion/ MALE/ RADIOIMMUNOASSAY/
*SOMATOTROPIN, blood/ SOMATOTROPIN,
pharmacodynamics/ TIME FACTORS
325. Blackham A, Farmer JB, Radziwonik H, et al: Rabbit
monoarticular arthritis and synovial prostaglandins.
Br J Pharmacol 48:343P-344P, Jun 73
AGE FACTORS/ ANAPHYLAXIS, immunology/
ANIMAL EXPERIMENTS/ *ARTHRITIS,
RHEUMATOID, immunology/ ARTHRITIS,
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*PROSTAGLANDINS, metabolism/ RABBITS/

AUTHOR SECTION

- SPECIES SPECIFICITY/ SYNOVIAL FLUID,
analysis/ SYNOVIAL FLUID, immunology/
*SYNOVIAL FLUID, metabolism
326. Blagojević M, Savić D, Litričin O: Les moyens et les possibilités pratiques d'aboutir au contrôle complet du trachome.
Rev Int Trach 50:1-174, May 73 (Fre)
*ANTIBIOTICS, therapeutic use/
AUDIO-VISUAL AIDS/ BLINDNESS,
prevention & control/ CONJUNCTIVITIS,
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ENZYMES, therapeutic use/ EPIDEMIOLOGIC
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HEALTH/ *SULFONAMIDES, therapeutic use/
TRACHOMA, classification/ TRACHOMA,
diagnosis/ *TRACHOMA, prevention & control/
TRACHOMA, therapy/ VACCINE THERAPY
327. Blair-West Jr, Coghlan JP, Cran E, et al: Increased aldosterone secretion during sodium depletion with inhibition of renin release.
Am J Physiol 224:1409-14, Jun 73
ADRENAL GLANDS, drug effects/ ADRENAL
GLANDS, secretion/ ALDOSTERONE, blood/
*ALDOSTERONE, secretion/ ANGIOTENSIN,
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CORTICOTROPIN, blood/ DRINKING/
HYDROCORTISONE, blood/ HYPONATREMIA/
POTASSIUM, blood/ RENAL ARTERY/
RENIN, physiology/ *RENIN, secretion/
SECRETORY RATE, drug effects/ SHEEP/
*SODIUM, physiology
328. Blais JM: Un géant canadien célèbre: Edouard Beaudré (1881-1904).
Neurochirurgie 19:Suppl 2:23-34, May 73 (Fre)
CANADA/ ENGLISH ABSTRACT/
*GIGANTISM, history/ HISTORICAL
ARTICLE/ HISTORICAL BIOGRAPHY/
HISTORY OF MEDICINE, 19TH CENT./
HISTORY OF MEDICINE, 20TH CENT./
HUMAN/ MALE/ MUMMIES/ MUSEUMS
329. Blake NM, Kirk RL, Barnes KR, et al: Expression of human red cell acid phosphatase activity in placenta and other tissues. Jap J Hum Genet 18:10-23, Jun 73
ELECTROPHORESIS, STARCH GEL/
*ERYTHROCYTES, enzymology/ FEMALE/
HUMAN/ KIDNEY, enzymology/ LIVER,
enzymology/ MUSCLES, enzymology/
*PHOSPHATASES, analysis/ *PLACENTA,
enzymology/ PREGNANCY/ SPLEEN,
enzymology
330. Bianchi D, Novitello L, Libonati M: A neurohormone of cephalopods with cardioexcitatory activity.
Gen Comp Endocrinol 21:267-77, Oct 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, THIN LAYER/
ELECTRIC STIMULATION/
ELECTROPHORESIS, POLYACRYLAMIDE
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purification/ NEUROHUMORS, physiology/
NEUROHUMORS, secretion/
*NEUROSECRETORY SYSTEMS, analysis/
SPECTROPHOTOMETRY
331. Blanchon P, Paillass J, Holler A, et al: Hépatite virale et aplasie médullaire. A propos d'une observation.
Ann Med Interne (Paris) 124:521-34, Jun-Jul 73 (Fre)
ADULT/ AMINOTRANSFERASES, blood/
ANEMIA, APLASTIC, drug therapy/
*ANEMIA, APLASTIC, etiology/ BILIRUBIN,
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INFLUENZA, complications/ LIVER, pathology/
- MALE/ NORETHANDROLONE,
therapeutic use/ PROGNOSIS/ STOMACH
ULCER, complications
332. Błaziak M: Steżenie tłuszczów całkowitych, trójglicerydów i wolnych kwasów tłuszczowych w ciąży przeterminowanej indukowanej estradiolem-17 beta. Ginekol Pol 44:1049-55, 1973 (Pol)
ADOLESCENCE/ ADULT/ ENGLISH
ABSTRACT/ *ESTRADIOL, pharmacodynamics/
FATTY ACIDS, NONESTERIFIED, blood/
FEMALE/ HUMAN/ *LIPIDS, blood/ MIDDLE
AGE/ PREGNANCY/ *PREGNANCY,
PROLONGED, drug effects/ TRIGLYCERIDES,
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333. Blichert-Toft M, Hansen OH, Holst JJ, et al: Adrenocortical function after major gastric surgery. Am J Surg 126:595-7, Nov 73
ADRENAL GLANDS, injuries/ *ADRENAL
GLANDS, physiology/ ADULT/ AGED/
CORTICOTROPIN, diagnostic use/ FEMALE/
*GASTRECTOMY/ HUMAN/
*11-HYDROXYCORTICOSTEROIDS, blood/
MALE/ MIDDLE AGE/ *STOMACH
NEOPLASMS, surgery/ SURGERY,
OPERATIVE, adverse effects/ TIME FACTORS
334. Bliss D, Todd AC: Milk production by Wisconsin dairy cattle after deworming with BAYMIX.
Vet Med Small Anim Clin 68:1034 passim, Sep 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ *CATTLE DISEASES,
drug therapy/ COUMAPHOS, therapeutic use/
*COUMARINS, therapeutic use/ FEMALE/
*INSECTICIDES, ORGANOTHIOPHOSPHATE,
therapeutic use/ *LACTATION/
TRICHOSTRONGYLOIDIASIS, drug therapy/
*TRICHOSTRONGYLOIDIASIS, veterinary/
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335. Blomgren H, Andersson B: Loss of graft-versus-host reactivity of mouse lymphocytes during serial passage through irradiated allogeneic hosts.
Cell Immunol 9:76-83, Oct 73
ANIMAL EXPERIMENTS/ BONE MARROW
CELLS, immunology/ CELL DIVISION/
CORTISONE, pharmacodynamics/
CYTOTOXICITY TESTS, IMMUNOLOGIC/
FEMALE/ *GRAFT VS HOST REACTION/
IMMUNE SERUMS/ *IMMUNOSUPPRESSION/
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*LYMPHOCYTES, immunology/
LYMPHOCYTES, transplantation/ MALE/
MICE/ RADIATION CHIMERA/ SPLEEN,
cytology/ THYMUS GLAND, cytology/
THYMUS GLAND, drug effects
336. Blondeau P, Leducq J, Roulleau P, et al: Les risques fonctionnels de la chirurgie thyroïdienne. Etude d'une série de 1000 interventions. I. Le risque récurrentiel.
Ann Chir 27:771-80, Sep 73 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CHILD/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*LARYNGEAL NERVES, injuries/
LARYNGOSCOPY/ MALE/ MIDDLE AGE/
POSTOPERATIVE COMPLICATIONS/
*THYROIDECTOMY, adverse effects/ *VOCAL
CORD PARALYSIS, etiology/ VOCAL CORD
PARALYSIS, prevention & control
337. Bloom SR, Edwards AV, Vaughan NJ: The role of the sympathetic innervation in the control of plasma glucagon concentration in the calf.
J Physiol (Lond) 233:457-66, Sep 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ AGE FACTORS/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
BLOOD SUGAR/ CATTLE/ ELECTRIC
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INSULIN, blood/ INSULIN, secretion/
NEURONS, Efferent, physiology/
SPALANCHNIC NERVES, physiology/
*SYMPATHETIC NERVOUS SYSTEM,
physiology
338. Blumberg S, Propst S, Honjo S, et al: Induced reversible pigment alteration in Stentor coerulescens

AUTHOR SECTION

- Trans Am Microsc Soc 92:557-69, Oct 73
 *CAFFEINE, pharmacodynamics/ CILIATA, cytology/ *CILIATA, metabolism/
 *CYCLOHEXIMIDE, pharmacodynamics/
 MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ MICROTUBULES, metabolism/ *PIGMENTS, metabolism/
 PROTEINS, biosynthesis/ *SEROTONIN, pharmacodynamics/ *TRYPTAMINES, pharmacodynamics
339. Blyth W: Farmer's lung disease.
 Soc Appl Bacteriol Symp Ser 2:261-76, Jan 73 (76 ref.)
 ACTINOMYCETALES, immunology/ ADRENAL CORTEX HORMONES, therapeutic use/
 ALLERGENS/ ANTIGENS, BACTERIAL/ DIAGNOSIS, DIFFERENTIAL/ ENGLAND/
 FARMER'S LUNG, diagnosis/ FARMER'S LUNG, etiology/ FARMER'S LUNG, immunology/ *FARMER'S LUNG, occurrence/
 FARMER'S LUNG, pathology/ FARMER'S LUNG, prevention & control/ HUMAN/
 IMMUNOELECTROPHORESIS/ REVIEW/
 SPORES, BACTERIAL, immunology/ SPUTUM, microbiology
340. Blythe JG, Buchsbaum HJ: Embryonal cell carcinoma (endodermal sinus type) of the ovary.
 Hum Pathol 4:595-9, Dec 73
 ADOLESCENCE/ ADULT/
 CYCLOPHOSPHAMIDE, therapeutic use/
 DACTINOMYCIN, therapeutic use/ DERMOID CYST, pathology/ FEMALE/ HUMAN/
 HYSTERECTOMY/ INTESTINAL NEOPLASMS, pathology/ INTESTINE, LARGE, pathology/
 INTESTINE, SMALL, pathology/ LIVER NEOPLASMS, pathology/ NEOPLASM METASTASIS/ NEOPLASMS, MULTIPLE
 PRIMARY, pathology/ OMENTUM, pathology/
 OVARIAN NEOPLASMS, drug therapy/
 *OVARIAN NEOPLASMS, pathology/
 OVARIAN NEOPLASMS, surgery/ *TERATOID TUMOR, pathology/ VINCRISTINE, therapeutic use
341. Bocek RM, Young MD, Beatty CH: Effect of insulin and epinephrine on the carbohydrate metabolism and adenylate cyclase activity of rhesus fetal muscle.
 Pediatr Res 7:787-93, Oct 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/
 AGE FACTORS/ ANIMAL EXPERIMENTS/
 *CARBOHYDRATES, metabolism/ CARBON DIOXIDE, metabolism/ CARBON RADIOISOTOPES/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/
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 GLYCOGEN SYNTHETASE, metabolism/
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 *INSULIN, pharmacodynamics/ LACTATES, metabolism/ *MACACA, embryology/
 MONKEYS/ MUSCLES, drug effects/
 *MUSCLES, metabolism/ PREGNANCY/
 STIMULATION, CHEMICAL
42. Boczkowski K: Pure gonadal dysgenesis; clinical and genetic studies. Mater Med Pol 5:197-202, Jul-Sep 73
 BODY HEIGHT/ CHROMOSOME ABNORMALITIES/ DERMATOGLYPHICS/
 DIAGNOSIS, DIFFERENTIAL/ FEMALE/
 HUMAN/ HYPOGONADISM, diagnosis/
 KARYOTYPING/ METACARPUS, radiography/
 MOSAICISM/ SEX CHROMATIN/ SEX CHROMOSOMES/ *TURNER'S SYNDROME, diagnosis/
 TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, radiography
43. Boczkowski Z: Czynność tarczycy u kobiet ciężarnych w świetle badań klinicznych i doświadczalnych.
 Ginek Pol 44:1077-9, 1973 (Pol)
 ANIMAL EXPERIMENTS/ FEMALE/ HUMAN/
 *PREGNANCY/ *PREGNANCY COMPLICATIONS/ RATS/ *THYROID GLAND/
 THYROID GLAND, physiology/ THYROID GLAND, physiological/ THYROID GLAND FUNCTION TESTS
14. Bode HH, Dorf ME, Forbes AP: Familial lymphocytic thyroiditis: analysis of linkage with histocompatibility and blood groups.
 J Clin Endocrinol Metab 37:692-7, Nov 73
 ADOLESCENCE/ ADULT/ AGED/ *BLOOD GROUPS/ CHILD/ FEMALE/
 *HISTOCOMPATIBILITY ANTIGENS/ HUMAN/
 *LINKAGE (GENETICS)/ MALE/ MIDDLE AGE/ PEDIGREE/ THYROIDITIS, LYMPHOMATOUS, familial & genetic/
 *THYROIDITIS, LYMPHOMATOUS, immunology
345. Bodley FH, Chapdelaine A, Roberts KD: Purification of progesterone antiserum for radioimmunoassay, by chromatography on QAE-sephadex A-50.
 Clin Chem 19:1027-30, Sep 73
 ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/
 CHROMATOGRAPHY, ION EXCHANGE/
 CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ EVALUATION STUDIES/
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 PREGNENOLONE, analysis/ *PROGESTERONE, analysis/ *RADIOIMMUNOASSAY/ SHEEP, immunology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM
346. Bogolavlenskaja NV, Il'in IV, Makhmudov MA: Aktivnost' glukozno-6-fosfatdegidrogenazy v platsente cheloveka v kontse beremennosti, pri normal'nykh rodakh, slabosti rodovoï delatel'nosti i zapozdal'ykh rodakh.
 Vopr Okhr Materin Det 18:68-72, Jun 73 (Rus)
 ADULT/ ENGLISH ABSTRACT/ FEMALE/
 *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ *LABOR/ *LABOR COMPLICATIONS, enzymology/ *PLACENTA, enzymology/ PREGNANCY/ UTERINE INERTIA, enzymology/ UTERUS, enzymology
347. Bohn H, Kranz T: Untersuchungen über die Bindung von Steroidhormonen an menschliche Schwangerschaftsproteine. I. Identifizierung des schwangerschafts-assoziierten beta-1-Glykoproteins mit dem Steroid-bindenden beta-Globulin.
 Arch Gynaekol 215:63-71, 25 May 73 (Ger)
 AUTORADIOGRAPHY/ *BETA GLOBULIN, metabolism/ CARBON RADIOISOTOPES/
 ENGLISH ABSTRACT/ ESTRADIOL, blood/
 ESTRIOL, blood/ *ESTROGENS, blood/
 FEMALE/ GEL DIFFUSION TESTS/
 *GLYCOPROTEINS, metabolism/ HUMAN/
 IMMUNOELECTROPHORESIS/ PREGNANCY/
 *PROTEIN BINDING/ *TESTOSTERONE, blood
348. Bolme P, Carrodi H, Fuxe K: Possible mechanism of the hypotensive action of 2,6-dichlorobenzylidene aminoguanidine: evidence for central noradrenaline receptor stimulation.
 Eur J Pharmacol 23:175-82, Aug 73
 ANIMAL EXPERIMENTS/
 *ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ *BLOOD PRESSURE, drug effects/
 CATECHOLAMINES, metabolism/
 CEREBRAL CORTEX, analysis/
 CHLORPROMAZINE, pharmacodynamics/
 DOSE-RESPONSE RELATIONSHIP, DRUG/
 *GUANIDINES, pharmacodynamics/ HEART RATE, drug effects/
 HINDLIMB, drug effects/
 HYPOTHALAMUS, analysis/ IMINES, pharmacodynamics/ MALE/
 METHYLTYROSINES, pharmacodynamics/
 NERVE ENDINGS, drug effects/
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 RECEPTORS, CHOLINERGIC/ *RECEPTORS, DRUG, drug effects/
 REFLEX, drug effects/
 RESPIRATION, drug effects/
 SEROTONIN, metabolism/ SPIRO COMPOUNDS, pharmacodynamics/
 STIMULATION, CHEMICAL
349. Bolton AE, Hunter WM: The labelling of proteins to high specific radioactivities by conjugation to a 125I-containing acylating agent.
 Biochem J 133:529-39, Jul 73
 ACYLATION/ *CHEMISTRY, ORGANIC/
 CHLORAMINES/ ESTERS, metabolism/
 HUMAN/ IMMUNE SERUMS/ *IODINE

AUTHOR SECTION

- ISOTOPES/ LH, metabolism/ METHODS/
OXIDATION-REDUCTION/ PROPIONATES,
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RADIOIMMUNOASSAY/ SOMATOTROPIN,
metabolism/ SUCCINIMIDES, metabolism/
THYROTROPIN, metabolism/ TYROSINE,
metabolism
350. Bolton PM, Webster DJ, Preece PE, et al: Letter:
Pituitary ablation for leucoerythroblastosis in
carcinoma of breast. *Lancet* 2:1208, 24 Nov 73
ADRENALECTOMY/ ADULT/ *ANEMIA,
MYELOPHTHISIC, therapy/ *BREAST
NEOPLASMS, therapy/ *CARCINOMA,
complications/ CASTRATION/ FEMALE/
HUMAN/ HYPOPHYSECTOMY/ MENOPAUSE/
MIDDLE AGE/ NEOPLASM METASTASIS/
*YTTRIUM ISOTOPES, therapeutic use
351. Bolton WK, Westerwelt FB Jr, Atuk NO: Letter:
Renal-vein thrombosis in kidney allografts.
Lancet 2:1082, 10 Nov 73
BIOPSY/ GRAFT REJECTION/ GRAFT
REJECTION, drug effects/ HUMAN/ KIDNEY,
immunology/ KIDNEY, pathology/ *KIDNEY,
transplantation/ MICROSCOPY, ELECTRON/
*RENAL VEINS/ SHWARTZMAN
PHENOMENON, chemically induced/
STEROIDS, adverse effects/ STEROIDS,
pharmacodynamics/ *THROMBOSIS/
TRANSPLANTATION, HOMOLOGOUS
352. Bond J, Oltjen RR: Growth and reproductive
performance of beef females fed high urea-containing
diets. *J Anim Sci* 37:1040-7, Oct 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/
CATTLE, growth & development/ *CATTLE,
physiology/ CORN/ DIET/ ESTRUS/ FECES,
analysis/ FEMALE/ FERTILIZATION/
LACTATION/ NITROGEN, analysis/
NITROGEN, metabolism/ PREGNANCY/
REPRODUCTION/ RUMEN, metabolism/ SOY
BEANS/ STARCH/ *UREA, administration &
dosage
353. Bondarenko LP: Sostolaniye sistemy gemokoagulyatsii u
bol'nykh s vegetativno-sosudistym sindromom do i
posle lecheniya.
Vrach Delo 7:24-6, Jul 73 (Rus)
ACUTE DISEASE/ ADULT/ *BLOOD
COAGULATION DISORDERS, etiology/ BLOOD
COAGULATION TESTS/ *BRAIN DISEASES,
blood/ DIENTEPHALON, physiopathology/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
HYPOTHALAMUS, physiopathology/ MALE/
MIDDLE AGE/ SYNDROME/
THROMBELASTOGRAPHY/ *VASCULAR
DISEASES, blood
354. Bonkowsky HL, Collins A, Doherty JM, et al: The
glucose effect in rat liver: studies of
delta-aminolevullinate synthase and tyrosine
aminotransferase.
Biochim Biophys Acta 320:561-75, 5 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ALLOXAN DIABETES,
enzymology/ ALLYLISOPROPYLACETAMIDE,
pharmacodynamics/ AMINOLEVULINIC ACID
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*AMINOLEVULINIC ACID SYNTHETASE,
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BLOOD SUGAR, metabolism/ COMPARATIVE
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CYCLIC AMP, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ENZYME INDUCTION/ FEMALE/ FRUCTOSE,
pharmacodynamics/ *GLUCOSE,
pharmacodynamics/ GLYCERIN,
pharmacodynamics/ LIVER, drug effects/
*LIVER, enzymology/ RATS/ STARVATION/
TIME FACTORS/ *TYROSINE
AMINOTRANSFERASE, biosynthesis
355. Bonney RC, Furr BJ, Cunningham FJ: Proceedings:
Radioimmunoassay of luteinizing hormone and
progesterone during the ovulatory cycle of the hen
Gallus domesticus. *Vet Rec* 93:76-7, 21 Jul 73
ANIMAL EXPERIMENTS/ *CHICKENS,
physiology/ FEMALE/ *LH, blood/
*OVULATION/ *PROGESTERONE, blood/
RADIOIMMUNOASSAY, veterinary/ TIME
FACTORS
356. Bonucci E, Derenzini M, Marinozzi V: The
organic-inorganic relationship in calcified
mitochondria. *J Cell Biol* 59:185-211, Oct 73
ANIMAL EXPERIMENTS/ CALCINOSIS,
chemically induced/ *CALCINOSIS, pathology/
*CALCIUM, metabolism/ CARBON
TETRACHLORIDE POISONING, pathology/
*CELLULAR INCLUSIONS/ CYTOLOGICAL
TECHNIQUES/ DIHYDROTACHYSTEROL/
GLYCOPROTEINS, metabolism/ HUMAN/
INTESTINAL NEOPLASMS, pathology/ LEAD/
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*MITOCHONDRIA, LIVER, metabolism/
MITOCHONDRIA, MUSCLE, metabolism/
*MITOCHONDRIA, MUSCLE, metabolism/
MUSCLES, pathology/ MUSCULAR DISEASES,
chemically induced/ MYOCARDIAL DISEASES,
SECONDARY, chemically induced/
MYOCARDIUM, pathology/ RATS/ STAINS
AND STAINING/ URANIUM
357. Bök JA, Ellison B, Halbrecht I, et al: Isochromosome Y
(48,X,1(Yq)) and female phenotype.
Clin Genet 4:410-4, 1973
ADULT/ *AMENORRHEA, familial & genetic/
BREAST, abnormalities/ ESTROGENS, urine/
FEMALE/ FSH, urine/ GENOTYPE/ HUMAN/
KARYOTYPING/ LYMPHOCYTES, cytology/
MENTAL RETARDATION/ OVARY,
abnormalities/ PHENOTYPE/ SEX
CHROMATIN/ *SEX CHROMOSOME
ABNORMALITIES, familial & genetic/
SYNDROME/ UTERUS, abnormalities/ VOICE
358. Bopp KP: Inhalationstherapie.
Munch Med Wochenschr 115:1453-6, 24 Aug 73 (Ger)
ADRENAL CORTEX HORMONES,
administration & dosage/ AEROSOLS/
ANTIBIOTICS, administration & dosage/
ANTIFUNGAL AGENTS, administration &
dosage/ BRONCHIECTASIS, drug therapy/
BRONCHODILATOR AGENTS, administration
& dosage/ ENGLISH ABSTRACT/
EXPECTORANTS, administration & dosage/
HUMAN/ *INHALATION THERAPY/ LUNG
DISEASES, drug therapy/ *RESPIRATORY
TRACT DISEASES, drug therapy/ SODIUM
CHLORIDE, administration & dosage
359. Borel DM, Reddy JK: Excessive lipofuscin
accumulation in the thyroid gland in mucoviscidosis.
Arch Pathol 96:269-71, Oct 73
ADOLESCENCE/ ADULT/ AUTOPSY/ CHILD/
CHILD, PRESCHOOL/ *CYSTIC FIBROSIS,
pathology/ CYTOPLASM/ FEMALE/ HUMAN/
INFANT/ INFANT, NEWBORN/ MALE/
MICROSCOPY, ELECTRON/ MICROSCOPY,
FLUORESCENCE/ ORGAN WEIGHT/
*PIGMENTS, analysis/ STAINS AND
STAINING/ THYROID GLAND, analysis/
*THYROID GLAND, pathology
360. Borgers M: The cytochemical application of new potent
inhibitors of alkaline phosphatases.
J Histochem Cytochem 21:812-24, Sep 73
ADRENAL GLANDS, enzymology/ *ALKALINE
PHOSPHATASE, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ BRAIN, enzymology/
EVALUATION STUDIES/ FEMALE/
HISTOCYTOCHEMISTRY/ IMIDAZOLES,
pharmacodynamics/ INTESTINE, SMALL,
enzymology/ KIDNEY, enzymology/
*LEVAMISOLE, pharmacodynamics/ LIVER,
enzymology/ LUNG, enzymology/ LYMPH
NODES, enzymology/ MALE/ METHODS/
MICROSCOPY, ELECTRON/ MYOCARDIUM,
enzymology/ OVARY, enzymology/ PANCREAS
enzymology/ RATS/ SPLEEN, enzymology/
TESTIS, enzymology/ *TETRAMISOLE,
pharmacodynamics/ *THIAZOLES,
pharmacodynamics/ THYMUS GLAND,
enzymology/ THYROID GLAND, enzymology/
UTERUS, enzymology
361. Borisenko KK: O patogeneze i lechenii bol'nykh
vitilgo.

AUTHOR SECTION

- Vestn Dermatol Venerol 47:11-6, May 73 (Rus)
ADOLESCENCE/ ADULT/ CHILD/ CHRONIC
DISEASE/ DRUG THERAPY, COMBINATION/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MALE/ MIDDLE AGE/ PITUITARY-ADRENAL
FUNCTION TESTS/ THYROID GLAND
FUNCTION TESTS/ VITILIGO, drug therapy/
*VITILIGO, etiology/ VITILIGO, metabolism
32. Borsy J, Magóné KE, Balogh T, et al: Uj, félszintetikus
ilzergsavszármazékok előállítás; a
molekulaszerkezet és antiserotonin hatás
összefüggésének vizsgálata I.
Acta Pharm Hung 43:207-17, Sep 73 (Hun)
ANIMAL EXPERIMENTS/ BEHAVIOR,
ANIMAL, drug effects/ CENTRAL NERVOUS
SYSTEM, drug effects/ EDEMA, chemically
induced/ ELECTROENCEPHALOGRAPHY/
ENGLISH ABSTRACT/ *ERGOLINES, toxicity/
FEMALE/ *LYSERGIC ACID DIETHYLAMIDE,
toxicity/ PSYCHOPHARMACOLOGY/ RATS/
*SEROTONIN, antagonists & inhibitors/
UTERUS, drug effects
33. Boschetti A, Bogdanov S, Brügger M, et al: Zur
Streptomycininduzierten Bildung von
70-S-Monosomen und von Oligomeren in
Chlamydomonas reinhardt.
FEBS Lett 37:59-63, 15 Nov 73 (Ger)
*CHLAMYDOMONAS, metabolism/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ MUTATION, pharmacodynamics/
POLYMERS/ *RIBOSOMES, drug effects/
RNA, RIBOSOMAL/ SEX CHROMOSOMES/
*STREPTOMYCIN, pharmacodynamics/
SULFATES, pharmacodynamics/ TIME
FACTORS/ TISSUE CULTURE
34. Bose AK, Hungund BL: The role of glycine in the
biosynthesis of steroids.
Experientia 29:939-40, 15 Aug 73
CARBON RADIOISOTOPES/ ERGOSTEROL,
biosynthesis/ *GLYCINE, metabolism/
*SACCHAROMYCES CEREVISIAE, metabolism/
SERINE, metabolism/ SQUALENE,
biosynthesis/ *VITAMIN D, biosynthesis
35. Bosling-Schnelder R, Kolb M: Influence of cyclic AMP
on early events of the immune induction.
Nature 244:224-5, 27 Jul 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ *ANTIBODY FORMATION, drug
effects/ ANTIGENS/ CELL
DIFFERENTIATION/ CELLS, CULTURED/
DNA, biosynthesis/ ERYTHROCYTES,
immunology/ HEMOLYTIC PLAQUE TECHNIC/
LYMPHOCYTES, immunology/ MICE/
MITOMYCIN, pharmacodynamics/ SHEEP,
immunology/ SPLEEN, cytology/ SPLEEN,
immunology
36. Bosu WT: Laparoscopic technique for the examination
of the ovaries in the rhesus monkey.
J Med Primatol 2:124-9, 1973
ANIMAL EXPERIMENTS/ FEMALE/
LAPAROSCOPY, instrumentation/
*LAPAROSCOPY, veterinary/ *MACACA,
anatomy & histology/ METHODS/ MONKEYS/
*OVARY, anatomy & histology
37. Bosu WT, Johansson ED, Gemzell C: Peripheral plasma
levels of oestrogens, progesterone and
17alpha-hydroxyprogesterone during gestation in the
rhesus monkey.
Acta Endocrinol (Kbb) 74:348-60, Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
*ESTROGENS, blood/ FEMALE/
*HYDROXYPROGESTERONE, blood/ LABOR/
MACACA/ MONKEYS/ PREGNANCY/
*PREGNANCY, ANIMAL/ *PROGESTERONE,
blood/ RADIOIMMUNOASSAY/ TIME
FACTORS
38. Bosu WT, Johansson ED, Gemzell C: Peripheral plasma
levels of oestrogen and progesterone in pregnant
rhesus monkeys treated with dexamethasone.
Acta Endocrinol (Kbb) 74:338-47, Oct 73
ANIMAL EXPERIMENTS/ DEPRESSION,
CHEMICAL/ *DEXAMETHASONE,
pharmacodynamics/ ESTRADIOL, blood/
*ESTROGENS, blood/ ESTRONE, blood/
FEMALE/ HYDROXYPROGESTERONE, blood/
MACACA/ MONKEYS/ PREGNANCY/
*PREGNANCY, ANIMAL/ *PROGESTERONE,
blood/ RADIOIMMUNOASSAY/ STIMULATION,
CHEMICAL/ TRITIUM
369. Bosu WT, Johansson ED, Gemzell C: Ovarian steroid
patterns in peripheral plasma during the menstrual
cycle in the rhesus monkey.
Folia Primatol (Basel) 19:218-34, 1973
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ *ESTROGENS, blood/
FEMALE/ HYDROXYPROGESTERONE, blood/
*MACACA, physiology/ *MENSTRUATION/
METHODS/ MONKEYS/ OVARY, anatomy &
histology/ OVARY, physiology/ OVULATION/
*PROGESTATIONAL HORMONES, blood/
PROGESTERONE, blood/ PROTEIN BINDING/
RADIOIMMUNOASSAY
370. Boswell KH, Miller JP, Shuman DA, et al: Synthesis and
biological activity of certain carbamoyl and
alkoxycarbonyl derivatives of adenosine 3',5'-cyclic
phosphate. J Med Chem 16:1075-9, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, chem synthesis/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
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AMIDES, pharmacodynamics/ ANIMAL
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inhibitors/ PHOSPHODIESTERASES,
metabolism/ PROTEIN KINASE, metabolism/
RABBITS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ UREA, chem synthesis/
UREA, pharmacodynamics
371. Böttiger LE: Adverse drug reaction: an analysis of 310
consecutive reports to the Swedish drug reaction
committee. J Clin Pharmacol 13:373-82, Oct 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ CHILD/ CHILD, PRESCHOOL/
COMPARATIVE STUDY/ CONTRACEPTIVES,
ORAL, adverse effects/ *DRUG THERAPY,
adverse effects/ DRUGS, classification/
FEMALE/ HUMAN/ INFANT/ INFANT,
NEWBORN/ MALE/ MIDDLE AGE/ SEX
FACTORS/ STATISTICS/ SWEDEN
372. Bottone E, Macchia PA, Baldini G, et al: Su alcuni
aspetti di fisiopatologia del tubulo renale
nell'infanzia.
Minerva Pediatr 25:1119-54, Jul 73 (317 ref.) (Ita)
ACIDOSIS, RENAL TUBULAR,
physiopathology/ ALKALOSIS, physiopathology/
ANIMAL EXPERIMENTS/ CALCITONIN,
pharmacodynamics/ CALCIUM METABOLISM
DISORDERS, physiopathology/ DIABETES
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CYCLIC AMP, pharmacodynamics/ EDTA,
pharmacodynamics/ FANCONI SYNDROME,
physiopathology/ GLYCOSURIA, RENAL,
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HORMONE, pharmacodynamics/ PHOSPHORUS,
metabolism/ PHOSPHORUS METABOLISM
DISORDERS, physiopathology/
PSEUDOHYPOPARATHYROIDISM,
physiopathology/ REVIEW/ RICKETS,
physiopathology/ VITAMIN D,
pharmacodynamics
373. Bouchard R, Conrad HR: Sulfur requirement of
lactating dairy cows. I. Sulfur balance and dietary
supplementation. J Dairy Sci 56:1276-82, Oct 73
AMINOBUTYRIC ACID, metabolism/ ANIMAL
EXPERIMENTS/ *CATTLE, metabolism/
CORN/ DIET/ ETHERS, metabolism/ FECES,
analysis/ FEMALE/ *LACTATION/
MAGNESIUM SULFATE, metabolism/
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AUTHOR SECTION

- NITROGEN, analysis/ NITROGEN, urine/
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metabolism/ PREGNANCY/ SILAGE/ SODIUM,
metabolism/ SULFATES, metabolism/
SULFUR, analysis/ *SULFUR, metabolism/
SULFUR, urine
374. Bouchard R, Conrad HR: Sulfur requirement of lactating dairy cows. II. Utilization of sulfates, molasses, and lignin-sulfonate. *J Dairy Sci* 56:1429-34, Nov 73
ANIMAL EXPERIMENTS/ *ANIMAL FEED/
CALCIUM, metabolism/ *CATTLE, metabolism/
FECEs, analysis/ FEMALE/ LACTATION/
LIGNIN, metabolism/ MAGNESIUM SULFATE,
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metabolism/ SODIUM, metabolism/ SULFATES,
metabolism/ SULFONIC ACIDS, metabolism/
SULFUR, analysis/ *SULFUR, metabolism/
SULFUR, urine
375. Bouchard R, Conrad HR: Sulfur requirement of lactating dairy cows. 3. Fate of sulfur-35 from sodium and calcium sulfate. *J Dairy Sci* 56:1435-8, Nov 73
ANIMAL EXPERIMENTS/ ANIMAL FEED,
analysis/ CALCIUM, metabolism/ *CATTLE,
metabolism/ FECEs, analysis/ FEMALE/
LACTATION/ MILK, analysis/ NITROGEN,
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SODIUM, metabolism/ *SULFATES,
metabolism/ SULFUR, analysis/ *SULFUR,
metabolism/ SULFUR, urine/ SULFUR
RADIOISOTOPES
376. Bouhnik J, Michel O, Michel R: Influence de la thyroïdectomie sur les mécanismes des 11 β et 21-hydroxylations dans la corticosurrénale de rat. *Biochimie* 55:323-8, 1973 (Fre)
ADENOSINE DIPHOSPHATE,
pharmacodynamics/ ADRENAL GLANDS, drug
effects/ ADRENAL GLANDS, enzymology/
*ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ CORTICOSTERONE,
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*HYDROXYPROGESTERONE, metabolism/
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MALATE DEHYDROGENASE, metabolism/
MALATES, metabolism/ MICROSOMES,
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MITOCHONDRIA, enzymology/
*MITOCHONDRIA, metabolism/ MONOAMINE
OXIDASE, metabolism/ NADP, biosynthesis/
OXYGEN CONSUMPTION/ RATS/ *THYROID
GLAND, physiology/ THYROIDECTOMY
377. Boussieux AM, Pons M, Nicolas JC, et al: II. Enhancement of the catalytic activity of the human placental 17 β -oestradiol dehydrogenase by carboxymethylation of an histidyl residue of the active site. *FEBS Lett* 38:27-30, 1 Oct 73
ALKYLATION/ BINDING SITES, drug effects/
BUFFERS/ CARBON RADIOISOTOPES/
CHARCOAL/ ESTRADIOL/ FEMALE/
*HISTIDINE, metabolism/ HUMAN/
*HYDROXYSTEROID DEHYDROGENASES,
metabolism/ IN VITRO/ KINETICS/
METHYLATION/ NADP, metabolism/
*PLACENTA, enzymology/ PREGNANCY/
TIME FACTORS/ TRITIUM
378. Bovier-Lapierre M, David M, Jeune M: Manifestations endocriniennes des lésions de la région pinéale chez l'enfant. *Rev Otoneuroophthalmol* 45:7-16, Jan-Feb 73 (31 ref.) (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/
CHILD/ CHILD, PRESCHOOL/ DIABETES
INSIPIDUS, etiology/ FEMALE/ HUMAN/
*HYPOGONADISM, etiology/
*HYPOPITUITARISM, etiology/ MALE/
NEUROLOGIC MANIFESTATIONS/ PINEAL
BODY, physiology/ *PINEALOMA,
complications/ *PUBERTY, PRECOCIOUS,
etiology/ RATS/ REVIEW/ *TERATOID
TUMOR, complications
379. Bowen V, Lazaus NR: Glucose-mediated insulin release: 3',5' cAMP phosphodiesterase. *Diabetes* 22:738-43, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/
CHLOROMERCURIBENZOATES,
pharmacodynamics/ CHROMATOGRAPHY/
*GLUCOSE, pharmacodynamics/
HYDROGEN-ION CONCENTRATION/
*INSULIN, secretion/ *ISLANDS OF
LANGERHANS, enzymology/ ISLANDS OF
LANGERHANS, secretion/ MAGNESIUM,
pharmacodynamics/ MICE/
PHOSPHODIESTERASES, isolation &
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metabolism/ PROTEINS, analysis/
THEOPHYLLINE, pharmacodynamics/
TOLBUTAMIDE, pharmacodynamics/
ULTRACENTRIFUGATION/ ULTRAVIOLET
RAYS
380. Bowen-Simpkins P: The induction of second trimester abortions using an intra-amniotic injection of urea and prostaglandin E₂. *J Obstet Gynaecol Br Commonw* 80:824-6, Sep 73
*ABORTION, INDUCED/ *AMNIOTIC FLUID/
ANESTHESIA, GENERAL/ CURETTAGE/
FEMALE/ GESTATIONAL AGE/ HUMAN/
METHODS/ OXYTOCIN, therapeutic use/
PREGNANCY/ *PROSTAGLANDINS,
administration & dosage/ *UREA,
administration & dosage/ VOMITING,
chemically induced
381. Boyar RM, Finkelstein JW, Roffwarg H, et al: Twenty-four-hour luteinizing hormone and follicle-stimulating hormone secretory patterns in gonadal dysgenesis. *J Clin Endocrinol Metab* 37:521-5, Oct 73
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/
FSH, blood/ *FSH, secretion/ HUMAN/ LH,
blood/ *LH, secretion/ OVARY, surgery/
SLEEP/ *TURNER'S SYNDROME, blood/
TURNER'S SYNDROME, therapy
382. Boyd GW: Isolation of a binding protein for pig renin. *J Physiol (Lond)* 232:22P-23P, Jul 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, DEAE-CELLULOSE/
KIDNEY, analysis/ KIDNEY, metabolism/
MALE/ *PROTEIN BINDING/ *RENIN,
isolation & purification/ SWINE
383. Boyd JS, Ducker MJ: A method of examining the cyclic changes occurring in the sheep ovary using endoscopy. *Vet Rec* 93:40-3, 14 Jul 73
ANIMAL EXPERIMENTS/
CATHETERIZATION, veterinary/
*ENDOSCOPY, veterinary/ ENVIRONMENT,
CONTROLLED/ FEMALE/ METHODS/
MOTION PICTURES/ *OVARY, physiology/
*SHEEP, physiology/ TIME FACTORS/
UTERUS
384. Boyd WH: The subdiaphragmatic cistern of the hypophyseal infundibular stem. I. Relationship to the subdural space and the cavernous sinuses. *Anat Anz* 133:454-60, 1973
ANIMAL EXPERIMENTS/ *CATTLE, anatomy
& histology/ CAVERNOUS SINUS, anatomy &
histology/ CRANIAL SINUSES, anatomy &
histology/ FEMALE/ MALE/ *MENINGES,
anatomy & histology/ PITUITARY GLAND,
POSTERIOR, anatomy & histology/
SUBARACHNOID SPACE,
anatomy & histology/ SUBDURAL SPACE,
anatomy & histology
385. Boyd WH: The subdiaphragmatic cistern of the hypophyseal infundibular stem. II. Relationship to the hypophyseal intermediate lobe. *Anat Anz* 133:461-7, 1973
ANIMAL EXPERIMENTS/ *CATTLE, anatomy
& histology/ CAVERNOUS SINUS, anatomy &
histology/ FEMALE/ MALE/ *MENINGES,
anatomy & histology/ PITUITARY GLAND,
anatomy & histology/ SUBARACHNOID

AUTHOR SECTION

- SPACE, anatomy & histology/ SUBDURAL
SPACE, anatomy & histology
86. Boylan ES, Wittliff JL: Specific estrogen binding in vivo in the R3230AC mammary adenocarcinoma of the rat. *Cancer Res* 33:2903-8, Nov 73
*ADENOCARCINOMA, metabolism/ ANIMAL EXPERIMENTS/ BREAST, metabolism/ CELL FRACTIONATION/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOPLASM, metabolism/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ LACTATION/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ RATS/ *RECEPTORS, HORMONE/ TIME FACTORS/ TRITIUM/ UTERUS, metabolism
87. Boyle PF, Fox M: Letter: Transplantation of interstitial cells of the testis. *Nature* 245:152-3, 21 Sep 73
ANIMAL EXPERIMENTS/ ATROPHY/ CASTRATION/ CELL SURVIVAL/ HYBRIDIZATION/ MICE/ MICE, INBRED C57BL/ MICE, INBRED CBA/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ SEMINAL VESICLES, growth & development/ SEMINAL VESICLES, transplantation/ TESTIS, blood supply/ *TESTIS, transplantation/ TRANSPLANTATION, AUTOLOGOUS
88. Boyle PF, Fox M: Transplantation of testicular homogenates in the mouse with survival and function of interstitial cells. *Transplantation* 16:870-2, Dec 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ MALE/ MICE/ ORGAN WEIGHT/ SEMINAL VESICLES, pathology/ *TESTIS, transplantation/ TRANSPLANTATION, AUTOLOGOUS
89. Brace K, Serpick AA, Block JB, et al: Combination radiotherapy and chemotherapy in the treatment of early Hodgkin's disease. *Oncology* 27:484-92, 1973
ADOLESCENCE/ ADULT/ CHILD/ CLINICAL RESEARCH/ COBALT RADIOISOTOPES/ DRUG THERAPY, COMBINATION/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ *MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ *PROCARBAZINE, therapeutic use/ RADIOISOTOPE THERAPY/ RADIOTHERAPY DOSAGE/ *VINCRIStINE, therapeutic use
90. Bradford HF, Bennett GW, Thomas AJ: Depolarizing stimuli and the release of physiologically active amino acids from suspensions of mammalian synaptosomes. *J Neurochem* 21:495-505, Sep 73
*AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ CEREBRAL CORTEX, cytology/ *CEREBRAL CORTEX, metabolism/ CEREBRAL CORTEX, physiology/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ FEMALE/ GLYCOLYSIS, drug effects/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, physiology/ LACTATE DEHYDROGENASE, metabolism/ LACTATES, metabolism/ MICROSCOPY, ELECTRON/ OXYGEN CONSUMPTION, drug effects/ POTASSIUM, pharmacodynamics/ RABBITS/ RATS/ SHEEP/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, enzymology/ *SYNAPTOSOMES, metabolism/ TEMPERATURE/ TIME FACTORS
91. Bradley FB, Dray A: Modification of the responses of brain stem neurones to transmitter substances by anaesthetic agents. *Br J Pharmacol* 48:212-24, Jun 73
ACETYLCHOLINE, pharmacodynamics/ *ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN STEM, drug effects/ DECEREBRATE STATE/ DRUG INTERACTIONS/ GLUTAMATES, pharmacodynamics/ GLYCINE, pharmacodynamics/ IONTOPHORESIS/ MEDULLA OBLONGATA, drug effects/ MICROINJECTIONS/ *NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ PONS, drug effects/ RATS/ SEROTONIN, pharmacodynamics/ THIOPIENTAL, pharmacodynamics/ TIME FACTORS/ TRIBROMOETHANOL, pharmacodynamics/ URETHANE, pharmacodynamics
392. Bradley SE: Editorial: Hepatorenal and glomerulotubular imbalance. *N Engl J Med* 289:1194-5, 29 Nov 73
ANIMAL EXPERIMENTS/ CONSTRICTION/ DILATATION/ DOGS/ HEMODYNAMICS/ HUMAN/ IN VITRO/ KIDNEY, blood supply/ *KIDNEY DISEASES, physiopathology/ KIDNEY FAILURE, CHRONIC, etiology/ *KIDNEY FAILURE, CHRONIC, physiopathology/ KIDNEY FAILURE, CHRONIC, therapy/ *KIDNEY GLOMERULUS, physiopathology/ LIVER, transplantation/ LIVER DISEASES, etiology/ *LIVER DISEASES, physiopathology/ LIVER DISEASES, surgery/ RENIN, blood/ SYNDROME/ TRANSPLANTATION, HOMOLOGOUS/ VASOMOTOR SYSTEM, physiopathology
393. Bradlow HL, Gillette PN, Gallagher TF, et al: Studies in porphyria. II. Evidence for a deficiency of steroid delta-4-5-alpha-reductase activity in acute intermittent porphyria. *J Exp Med* 138:754-63, 1 Oct 73
*ANDROSTENOLS, metabolism/ ANDROSTENOLS, urine/ CARBON RADIOISOTOPES/ DEHYDROEPIANDROSTERONE, metabolism/ ENZYME INDUCTION/ HUMAN/ LIVER, enzymology/ *LIVER DISEASES, enzymology/ LIVER DISEASES, metabolism/ *OXIDOREDUCTASES, metabolism/ *PORPHYRIA, enzymology/ PORPHYRIA, metabolism/ TESTOSTERONE, metabolism/ TRITIUM
394. Bradlow HL, Zumoff B, Monder C, et al: C-21 oxidation of cortisol in man. *J Clin Endocrinol Metab* 37:805-10, Nov 73
ADULT/ AGED/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, PAPER/ FEMALE/ HUMAN/ *HYDROCORTISONE, metabolism/ MALE/ MIDDLE AGE/ OXIDATION-REDUCTION/ PREGNANETRIOL, urine/ TETRAHYDROCORTISOL, metabolism/ TETRAHYDROCORTISOL, urine/ TETRAHYDROCORTISONE, metabolism/ TETRAHYDROCORTISONE, urine/ TRITIUM
395. Bradlow HL, Zumoff B, Monder C, et al: Isolation and identification of four new carboxylic acid metabolites of cortisol in man. *J Clin Endocrinol Metab* 37:811-8, Nov 73
CARBON RADIOISOTOPES/ CARBOXYLIC ACIDS, metabolism/ CARBOXYLIC ACIDS, urine/ CHROMATOGRAPHY/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ELECTROPHORESIS, PAPER/ *HYDROCORTISONE, metabolism/ HYDROXYSTEROIDS, urine/ KETOSTEROIDS, urine/ NUCLEAR MAGNETIC RESONANCE/ *PREGNANES, urine/ SPECTRUM ANALYSIS, MASS/ TRITIUM
396. Bradshaw CM, Roberts MH, Szabadi E: Comparison of the effects of imipramine and desipramine on single cortical neurones. *Br J Pharmacol* 48:358P-359P, Jun 73
ANIMAL EXPERIMENTS/ CATS/ CEREBRAL CORTEX, drug effects/ DESIPRAMINE, administration & dosage/ *DESIPRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG ANTAGONISM/ DRUG SYNERGISM/ ELECTROPHORESIS/ IMIPRAMINE, administration & dosage/ *IMIPRAMINE, pharmacodynamics/ *NEURONS, drug effects/ NOREPINEPHRINE, antagonists & inhibitors/ SEROTONIN, antagonists & inhibitors

AUTHOR SECTION

397. Braendle W, Breckwoldt M, Graesslin D, et al: Subcellular distribution and fate of radioactivity in ovaries of pseudo-pregnant rats after in vivo administration of (131-I)HCG.
Acta Endocrinol (Kbb) 74:361-70, Oct 73
ANIMAL EXPERIMENTS/ CYTOSOL, metabolism/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ IODINE RADIOISOTOPES/ KIDNEY, metabolism/ LH-FSH RELEASING HORMONE, metabolism/ LIVER, metabolism/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ OVARY, cytology/ *OVARY, metabolism/ *PSEUDOPREGNANCY/ RATS/ SERUM ALBUMIN, BOVINE, metabolism/ SUBCELLULAR FRACTIONS, metabolism
398. Braestrup C: Identification of free and conjugated 3-methoxy-4-hydroxyphenylglycol (MOPEG) in rat brain by gas chromatography and mass fragmentography. Anal Biochem 55:420-31, Oct 73
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ ELECTRONS/ EVALUATION STUDIES/ GLUCURONIDASE/ *GLYCOLS, analysis/ MALE/ METHODS/ METHOXYHYDROXYPHENYL GLYCOL, analysis/ RATS/ SNAILS, enzymology/ SPECTRUM ANALYSIS, MASS/ SULFATASES/ SULFITES
399. Bramwell GJ, Gonye T, Straughan DW: Responses of midbrain neurones to iontophoretically applied 5-hydroxytryptamine.
Br J Pharmacol 48:357P-358P, Jun 73
ANIMAL EXPERIMENTS/ GLUTAMATES, antagonists & inhibitors/ GLUTAMATES, pharmacodynamics/ IONTOPHORESIS/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ *MESENCEPHALON, drug effects/ NEURONS, drug effects/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics
400. Branche L, Branche M, Nadler RD: Effects of sex hormones on sleep patterns of male rats gonadectomized in adulthood and in the neonatal period. Physiol Behav 11:809-11, Nov 73
AGE FACTORS/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, growth & development/ *ANIMALS, NEWBORN, physiology/ BRAIN, drug effects/ BRAIN, physiology/ *CASTRATION/ CIRCADIAN RHYTHM, drug effects/ ELECTROENCEPHALOGRAPHY/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RATS/ SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ *SLEEP, drug effects/ SLEEP, REM, drug effects/ WAKEFULNESS, drug effects
401. Brandt KD, Tsiganos CP, Muir H: Immunological relationships between proteoglycans of different hydrodynamic size from articular cartilage of foetal and mature pigs.
Biochim Biophys Acta 320:453-68, 14 Sep 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ *CARTILAGE, analysis/ COMPARATIVE STUDY/ FEMALE/ FETUS/ GEL DIFFUSION TESTS/ GEL FILTRATION/ HEXOSAMINES, analysis/ HEXOSES, analysis/ HIP/ HYALURONIDASE/ KNEE/ LARYNGEAL CARTILAGES, analysis/ MOLECULAR CONFORMATION/ MOLECULAR WEIGHT/ *MUCOPOLYSACCHARIDES, analysis/ PREGNANCY/ RABBITS, immunology/ SHEEP/ SWINE/ TESTIS, enzymology/ ULTRAFILTRATION/ URONIC ACIDS, analysis/ XYLOSE, analysis
402. Brănișteanu DD, Fetrescu G, Roșca V, et al: Date experimental privind activitatea reninei plasmatice la șobolanii tratați cu factor de creștere nervoasă și antiserul omolog.
- Fiziol Norm Patol 19:315-20, Jul-Aug 73 (Rum)
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ENGLISH ABSTRACT/ *GANGLIA, AUTONOMIC, physiology/ *IMMUNE SERUMS/ JUXTAGLOMERULAR APPARATUS, physiology/ *NERVE GROWTH FACTOR, physiology/ RATS/ *RENIN, blood/ RENIN, secretion/ SECRETORY RATE
403. Braum W: RNAs as amplifiers of specific signals in immunity. Ann NY Acad Sci 207:17-28, 31 May 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ANTIBODY FORMATION, drug effects/ CELLS, CULTURED/ ERYTHROCYTES, immunology/ GENETIC CODE/ *IMMUNITY, CELLULAR/ ISOANTIBODIES/ MICE/ MICE, INBRED C57BL/ POLY A-U, pharmacodynamics/ RNA, analysis/ *RNA, physiology/ SPLEEN, transplantation/ THEOPHYLLINE, pharmacodynamics/ TRANSPLANTATION, HETEROLOGOUS
404. Braun P, Besdine R: Tuhoovarian abscess with recovery of T-mycoplasma.
Am J Obstet Gynecol 117:881-2, 15 Nov 73
ABSCISS, etiology/ *ABSCISS, microbiology/ ADULT/ AMPICILLIN, therapeutic use/ CEPHALOTHIN, therapeutic use/ CHLORAMPHENICOL, therapeutic use/ *FALLOPIAN TUBES/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ HYSTERECTOMY/ KANAMYCIN, therapeutic use/ *MYCOPLASMA, isolation & purification/ MYCOPLASMA INFECTIONS/ OVARIAN DISEASES, etiology/ *OVARIAN DISEASES, microbiology/ OVARY, surgery
405. Braun-Falco O, Billek P: Pyoderma gangraenosum, Trichophytia superficialis, Eczema herpeticum, Lupus vulgaris, Acne urtica, Hypertrichosis faciei durch Glucocorticoide, maligne Reticulose, Dyskeratosis follicularis.
Hautarzt 24:359-60, Aug 73 (Ger)
ACNE, diagnosis/ ADULT/ CHILD/ ECZEMA, diagnosis/ FEMALE/ GANGRENE, diagnosis/ GLUCOCORTICOIDS, adverse effects/ HERPESVIRUS INFECTIONS, diagnosis/ HUMAN/ HYPERTRICHOSIS, chemically induced/ KERATOSIS FOLLICULARIS/ LUPUS, diagnosis/ MALE/ MIDDLE AGE/ NEURODERMATITIS, drug therapy/ PHOTOGRAPHY/ PYODERMA, diagnosis/ *SARCOMA, RETICULUM CELL, diagnosis/ *SKIN DISEASES, diagnosis/ *SKIN NEOPLASMS, diagnosis/ TINEA, diagnosis/ URTICARIA
406. Brecher P, Tabacchi M, Pyun HY, et al: Angiotensin binding to rat adrenal capsular cell suspensions. Biochem Biophys Res Commun 54:1511-7, 15 Oct 73
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ *ANGIOTENSIN, metabolism/ *ANGIOTENSIN II, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ HELA CELLS, metabolism/ IN VITRO/ LYMPHOCYTES, metabolism/ RATS/ RECEPTORS, DRUG/ TEMPERATURE/ TIME FACTORS/ TRITIUM
407. Bregulla K, Hiltl P: Ovarialfunktion und Körpertemperatur am Abend.
Geburtshilfe Frauenheilkd 33:636-9, Aug 73 (Ger)
*BODY TEMPERATURE/ CIRCADIAN RHYTHM/ CORPUS LUTEUM, physiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVULATION/ FERTILITY, FEMALE, diagnosis/ TIME FACTORS
408. Brehmer B, Madsen PO: Kulturen menschlicher Zellen aus Prostataadenom- und karzinomgewebe und ihre Unterscheidungsmerkmale in vitro.
Urol Int 28:338-44, 1973 (Ger)
BIOPSY/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CLONE CELLS/ DESMOSOMES/ ENGLISH ABSTRACT/ HUMAN/ HYPERPLASIA,

AUTHOR SECTION

pathology/ IN VITRO/ MALE/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ *PROSTATIC
HYPERTROPHY, pathology/ *PROSTATIC
NEOPLASMS, pathology/ STIMULATION,
CHEMICAL/ TESTOSTERONE,
pharmacodynamics/ TISSUE CULTURE

409. Breit R, Elsässer E: Die Therapie der Hodendystopie, des Verschlusses der ableitenden Samenwege und der Varikozele aus andrologischer Sicht.
Ther Ggw 112:1088-90 passim, Jul 73 (Ger)
ABNORMALITIES, surgery/ CRYPTORCHISM,
surgery/ HUMAN/ MALE/ *STERILITY,
MALE, surgery/ *TESTICULAR DISEASES,
surgery/ TESTIS, abnormalities/
*VARICOCELE, surgery/ VAS DEFERENS

410. Breitenacker G, Caucig H, Friedrich F, et al: Vergleichende Untersuchungen der Enzymaktivitäten von alkalischer und saurer Phosphatase, Lactatdehydrogenase und Leucinaminopeptidase in der Wand und in der Flüssigkeit von menschlichen Ovarialfollikeln, Cysten und Cystomen.
Arch Gynaekol 215:85-94, 25 May 73 (Ger)
ACID PHOSPHATASE, metabolism/
ALKALINE PHOSPHATASE, metabolism/
COMPARATIVE STUDY/ *CYSTADENOMA,
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*ENZYMES, metabolism/ FEMALE/
GRAAFIAN FOLLICLE, enzymology/ HUMAN/
LACTATE DEHYDROGENASE, metabolism/
LEUCINE AMINOPEPTIDASE, metabolism/
*OVARIAN CYSTS, enzymology/ *OVARIAN
NEOPLASMS, enzymology/ *OVUM,
enzymology

411. Breitenacker G, Lunglmayr G, Goslar HG, et al: Zur Wirkung eines Milzdiälysatates auf die Funktion des Rattenhodens. Histochemische Untersuchungen.
Urol Int 28:364-9, 1973 (Ger)
ACID PHOSPHATASE, metabolism/ ALCOHOL
OXIDOREDUCTASES, metabolism/ ANIMAL
EXPERIMENTS/ CATTLE/ CRYPTORCHISM,
metabolism/ DIALYSIS/ ENGLISH
ABSTRACT/ GLUCOSEPHOSPHATE
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GONADOTROPINS, CHORIONIC, metabolism/
GONADOTROPINS, CHORIONIC,
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LACTATE DEHYDROGENASE, metabolism/
LEYDIG CELLS, enzymology/ MALE/ RATS/
SPERMATOGENESIS, drug effects/ *SPLEEN/
*TESTIS, drug effects/ TESTIS, metabolism/
*TISSUE EXTRACTS, pharmacodynamics

412. Brennwald J, Perren SM: Atem- und pulssynchrone Dimensionsschwankungen des Röhrenknochens.
Res Exp Med (Berl) 161:124-32, 22 Aug 73 (Ger)
ANIMAL EXPERIMENTS/ BIOMETRY/ BLOOD
PRESSURE/ *BONE AND BONES, anatomy &
histology/ BONE PLATES/ ENGLISH
ABSTRACT/ FRACTURE FIXATION,
INTERNAL/ PULSE/ RESPIRATION/ SHEEP/
TIBIA, anatomy & histology

413. Bresnan MJ: Bacterial meningitis. A symposium. IV. Neurological aspects: their diagnosis and treatment.
Pediatrics 52:594-7, Oct 73
ANTICONSULSANTS, therapeutic use/
ARTERITIS, diagnosis/ *BACTERIAL
INFECTIONS, complications/ BRAIN ABSCESS,
diagnosis/ *BRAIN EDEMA, diagnosis/ BRAIN
EDEMA, drug therapy/ CHILD/
*CONVULSIONS, diagnosis/ CONVULSIONS,
drug therapy/ DEXAMETHASONE,
administration & dosage/ EMPYEMA,
diagnosis/ EMPYEMA, therapy/ HUMAN/
INJECTIONS, INTRAVENOUS/ *MENINGITIS,
complications/ SUBDURAL EFFUSION,
diagnosis/ SUBDURAL EFFUSION, therapy/
SUBDURAL SPACE

414. Bretscher J: Die perinatale Gefährdung.
Wien Med Wochenschr 123:505-11, 1 Sep 73 (Ger)
AMNIOSCOPY/ FEMALE/ FETAL DISEASES,
physiopathology/ FETAL HEART/ HUMAN/
HYDROGEN-ION CONCENTRATION/ OXYGEN
CONSUMPTION/ PLACENTA DISORDERS,
diagnosis/ PREGNANCY/ PREGNANCY

COMPLICATIONS, physiopathology/
*PRENATAL DIAGNOSIS

415. Brettel HF, Lutz FU: Die Knorpelembolie als Sonderform vitaler Reaktionen.
Z Rechtsmed 72:161-3, 30 Apr 73 (Ger)
AGED/ ENGLISH ABSTRACT/ FEMALE/
*FORENSIC MEDICINE/
HISTOCYTOCHEMISTRY/ HUMAN/
*LARYNGEAL CARTILAGES, physiology/
NECK, injuries/ PHARYNX, injuries/
*PULMONARY EMBOLISM, etiology/
PULMONARY EMBOLISM, pathology/
THYROID GLAND, injuries/ *WOUNDS AND
INJURIES, complications/ WOUNDS AND
INJURIES, pathology

416. Breuel HP, Hesch RD, Henning HV, et al: Osteoporose-Diagnostik mit einem 125J-Profilscanner bei renaler Osteopathie.
Klin Wochenschr 51:767-8, 1 Aug 73 (Ger)
ADULT/ BONE RESORPTION/ ENGLISH
ABSTRACT/ FEMALE/ FINGERS/ HUMAN/
IODINE ISOTOPES, DIAGNOSTIC/ *KIDNEY
FAILURE, CHRONIC, complications/ MALE/
METHODS/ *OSTEOPOROSIS, diagnosis/
OSTEOPOROSIS, etiology/ *RADIOISOTOPE
SCANNING

417. Breuer H: Methodische Schwierigkeiten der Proteinbindungsmethoden zur Bestimmung von Steroidhormonen.
Z Klin Chem Klin Biochem 11:357-61, Aug 73 (Ger)
BLOOD PROTEINS/ CHARCOAL/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DEXTRAN/
ENGLISH ABSTRACT/ EVALUATION
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IMMUNE SERUMS/ METHODS/
*PROGESTERONE, blood/ PROTEIN BINDING/
RABBITS, immunology/
RADIOIMMUNOASSAY/ SILICA/
*TESTOSTERONE, blood/ TRITIUM

418. Breuer J, Breuer H: Halbwertszeit von (4-14C)Oestradiol-17beta in vivo sowie Stoffwechsel von (4-14C)Ostron und (4-14C)Ostriol in vitro bei Lebergesunden und bei Patienten mit Lebercirrhose.
Z Klin Chem Klin Biochem 11:263-9, Jun 73 (Ger)
ALANINE AMINOTRANSFERASE, blood/
CARBON RADIOISOTOPES/ CELL
FRACTIONATION/ CHROMATOGRAPHY,
PAPER/ COMPARATIVE STUDY/ CYTOSOL,
metabolism/ *ESTRADIOL, blood/ ESTRADIOL,
metabolism/ *ESTRIOL, blood/ ESTRIOL,
metabolism/ *ESTRONE, blood/ ESTRONE,
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MICROSOMES, LIVER, metabolism/ PROTEIN
BINDING/ RECEPTORS, DRUG/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TIME FACTORS/ ULTRACENTRIFUGATION

419. Brewin NJ, Northcote DH: Partial purification of a cyclic AMP phosphodiesterase from soybean callus. Isolation of a non-dialysable inhibitor.
Biochim Biophys Acta 320:104-22, 17 Aug 73
ACID PHOSPHATASE, metabolism/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
CAFFEINE, pharmacodynamics/ CATIONS,
DVALENT/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ CHROMATOGRAPHY, ION
EXCHANGE/ DIALYSIS/ DIBUTYRYL CYCLIC
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HYDROGEN-ION CONCENTRATION/ IRON,
pharmacodynamics/ KINETICS/ PAPAVERINE,
pharmacodynamics/ PHOSPHATES,
pharmacodynamics/ PHOSPHODIESTERASES,
antagonists & inhibitors/
*PHOSPHODIESTERASES, isolation &
purification/ PHOSPHODIESTERASES,
metabolism/ PLANT PROTEINS, isolation &
purification/ PLANT PROTEINS,
pharmacodynamics/ *PLANTS, enzymology/
SOLUBILITY/ SOY BEANS/ THEOBROMINE,
pharmacodynamics/ TIME FACTORS/ TRITIUM

AUTHOR SECTION

420. Brezenoff HE: Centrally induced pressor responses to intravenous and intraventricular physostigmine evoked via different pathways.
Eur J Pharmacol 23:290-2, Sep 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ CEREBRAL VENTRICLES/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ MALE/ PHENTOLAMINE, pharmacodynamics/ PHYSOSTIGMINE, administration & dosage/ PHYSOSTIGMINE, antagonists & inhibitors/ *PHYSOSTIGMINE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS
421. Brezina K: Die Röntgendiagnostik in der Gehurthshilfe heute (Bedeutung und Strahlenbelastung.
Wien Med Wochenschr 123:709-14, 1 Dec 73 (Ger)
AMNION, radiography/ AUSTRIA/ FEMALE/ FETUS, radiography/ GONADS, radiation effects/ HOSPITALS, SPECIAL/ HUMAN/ *OBSTETRICS/ PELVIMETRY/ PLACENTA DISORDERS, radiography/ PREGNANCY/ RADIATION DOSAGE/ RADIATION GENETICS/ *RADIOGRAPHY
422. Brezina K, Janisch H, Müller-Tyl E: Das Mammogramm unter Kontrazeptiva.
Wien Klin Wochenschr 85:785-90, 30 Nov 73 (Ger)
*BREAST, drug effects/ BREAST DISEASES, chemically induced/ BREAST NEOPLASMS, chemically induced/ *CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ HYPERPLASIA/ *MAMMOGRAPHY/ MASTITIS, chemically induced/ PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, adverse effects/ TIME FACTORS
423. Bricaire H, Luton JP, Turpin G: Position actuelle du traitement des syndromes de Cushing de l'adulte.
Acquis Med Recent 33-47, 1972 (Fre)
ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND NEOPLASMS, complications/ ADRENALECTOMY/ ADULT/ CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, etiology/ CUSHING'S SYNDROME, surgery/ *CUSHING'S SYNDROME, therapy/ HUMAN/ HYPERPLASIA/ HYPOPHYSECTOMY/ PITUITARY NEOPLASMS, complications/ POSTOPERATIVE COMPLICATIONS
424. Brickman E, Soli L, Beckwith J: Genetic characterization of mutations which affect catabolite-sensitive operons in *Escherichia coli*, including deletions of the gene for adenyl cyclase.
J Bacteriol 118:582-7, Nov 73
*ADENYL CYCLASE, hiosynthesis/ CHROMOSOME MAPPING/ CHROMOSOMES, BACTERIAL/ COLIPHAGES/ CULTURE MEDIA/ ENZYME REPRESSION/ *ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, metabolism/ GENES/ GENETIC COMPLEMENTATION TEST/ GENETICS, MICROBIAL/ GENOTYPE/ *MUTATION/ *OPERON, drug effects/ PHENOTYPE/ RECOMBINATION, GENETIC/ TRANSDUCTION, GENETIC
425. Bridges PK: Methods of assessing patients for psychosurgery and their outcome after operation.
Psychiatr Neurol Neurochlr 76:335-44, Sep-Oct 73
ADRENAL CORTEX HORMONES, blood/ ADULT/ ANXIETY/ DEPRESSION, DEPRESSION, therapy/ DEXAMETHASONE, blood/ DEXAMETHASONE, diagnostic use/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ MIDDLE AGE/ NEUROSES, OBSESSIVE-COMPULSIVE, therapy/ PERSONALITY INVENTORY/ PROGNOSIS/ PSYCHOLOGICAL TESTS
- PSYCHOSURGERY/ STEREOTAXIC TECHNIQS/ YTTRIUM
426. Bridges PK, Jones MT: Relationships between some psychological assessments, body-build, and physiological stress responses.
J Neurol Neurosurg Psychiatry 36:839-45, Oct 73
ADRENAL CORTEX HORMONES, blood/ ADRENAL CORTEX HORMONES, urine/ ADULT/ ANXIETY/ *BLOOD PRESSURE/ BODY HEIGHT/ BODY WEIGHT/ *HEART RATE/ HEMATOCRIT/ HUMAN/ MALE/ *PERSONALITY ASSESSMENT/ PERSONALITY INVENTORY/ PHENOTYPE/ *RESPIRATION/ *SOMATOTYPES/ *STRESS, PSYCHOLOGICAL
427. Briggs M: Lysosomal enzyme activation by steroid hormones in vivo. J Steroid Biochem 4:341-7, Jul 73
ADRENAL CORTEX HORMONES, antagonists & inhibitors/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ CLITORIS/ ENZYME ACTIVATION, drug effects/ ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ *GLUCURONIDASE, metabolism/ HYDROCORTISONE, pharmacodynamics/ LYSOSOMES, drug effects/ *LYSOSOMES, enzymology/ OVARY, physiology/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ SEBACEOUS GLANDS, cytology/ *SEBACEOUS GLANDS, enzymology/ *SEX HORMONES, pharmacodynamics/ TESTOSTERONE, pharmacodynamics
428. Briggs MH: Steroid hormones and the fertilizing capacity of spermatozoa. Steroids 22:547-53, Oct 73
ANIMAL EXPERIMENTS/ CHLORMADINONE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ *FERTILIZATION, drug effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HAMSTERS/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ MEGESTROL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ OVUM, physiology/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ SPERM CAPACITATION, drug effects/ *SPERMATOZOA, drug effects/ *TESTOSTERONE, pharmacodynamics
429. Briggs MH, Briggs M: Glucocorticoid properties of progestogens. Steroids 22:555-9, Oct 73
ADRENAL GLANDS, drug effects/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ EOSINOPHILS, drug effects/ *GLUCOCORTICIDS, pharmacodynamics/ HUMAN/ HYDROXYPROGESTERONE, pharmacodynamics/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ MEGESTROL, pharmacodynamics/ PLACEBOS/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics
430. Brightwell DR, Halmi KA, Finn R: Lithium-induced polydipsia and polyuria: mechanism of action? Biol Psychiatry 7:167-71, Oct 73
ADULT/ *DIABETES INSIPIDUS, chemically induced/ DIURESIS, drug effects/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ KIDNEY CONCENTRATING ABILITY, drug effects/ *LITHIUM, adverse effects/ LITHIUM, blood/ LITHIUM, pharmacodynamics/ MALE/ OSMOSIS, drug effects/ *POLYURIA, chemically induced/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ VASOPRESSIN, pharmacodynamics/ VASOPRESSIN, secretion/ WATER DEPRIVATION

AUTHOR SECTION

31. Brincker H, Hansen HS, Andersen AP: Induction of leukemia by 131-I treatment of thyroid carcinoma. Br J Cancer 28:232-7, Sep 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ DENMARK/ FEMALE/ HUMAN/ *IODINE RADIOISOTOPES, adverse effects/ LEUKEMIA, MYELOCYTIC, occurrence/ *LEUKEMIA, RADIATION-INDUCED, occurrence/ MALE/ MIDDLE AGE/ *THYROID NEOPLASMS, radiotherapy
32. Brindis RG, Petersen BJ, Thompson JH, et al: Lack of effect of chronic nicotine administration on fatty acid distribution in the liver, testis, and adipose tissue of male Fischer-344 rats. J Lipid Res 14:688-91, Nov 73
ADIPOSE TISSUE, analysis/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ ESTERS/ FATTY ACIDS, analysis/ *FATTY ACIDS, metabolism/ GLYCERIDES, analysis/ INJECTIONS, SUBCUTANEOUS/ LIVER, analysis/ *LIVER, metabolism/ MALE/ NICOTINE, administration & dosage/ *NICOTINE, pharmacodynamics/ PHOSPHOLIPIDS, analysis/ RATS/ INBRED F344/ TESTIS, analysis/ *TESTIS, metabolism/ TRIGLYCERIDES, analysis
33. Briones M, Vasquez S, Di Rago C, et al: Pyomucocèle du sinus spénoïdal avec thrombose des sinus caverneux et ses complications oculaires. Bull Soc Ophtalmol Fr 72:1083-9, Nov 73 (Fre)
BLINDNESS, etiology/ CAVERNOUS SINUS/ EXOPHTHALMOS, etiology/ *EYE DISEASES, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *MUCOCÈLE, complications/ OCULOMOTOR PARALYSIS, etiology/ *SINUS THROMBOSIS, complications/ *SPENOID SINUS/ STRABISMUS, etiology/ SUPPURATION
34. Britton DC, Johnston DA, Thompson MH, et al: The outcome of treatment and changes in presentation of primary hyperparathyroidism. Br J Surg 60:782-5, Oct 73
ADOLESCENCE/ ADULT/ AGED/ BLOOD PRESSURE/ BONE DISEASES, etiology/ CORTISONE, diagnostic use/ CREATININE, blood/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ HYPERTENSION, etiology/ KIDNEY FAILURE, CHRONIC, etiology/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PARATHYROID NEOPLASMS, diagnosis/ RADIOIMMUNOASSAY/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ SELENIUM, diagnostic use/ UREA, blood
35. Broadie TA, Devedas M, Rysavy J, et al: The effect of hypoxia and posterior hypothalamic stimulation on colonic blood flow in the weanling puppy. J Pediatr Surg 8:747-56, Oct 73
ANIMAL EXPERIMENTS/ *ANOXIA, pathophysiology/ BLOOD PRESSURE/ BODY WEIGHT/ CARDIAC OUTPUT/ *COLON, blood supply/ DOGS/ ELECTRIC STIMULATION/ ELECTRODES/ ENTEROCOLITIS, ACUTE, etiology/ *HYPOTHALAMUS, physiology/ ORGAN WEIGHT/ PULSE/ VASCULAR RESISTANCE
36. Broch OJ: Transmittorenes kjemi. Tidsskr Nor Lægeforen 93:1295-8, 20 Jun 73 (Nor)
*ACETYLCHOLINE, metabolism/ *AMINO ACIDS, metabolism/ AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BLOOD-BRAIN BARRIER/ *BRAIN, metabolism/ DOPAMINE, metabolism/ HUMAN/ NEURAL INTERCONNECTIONS/ NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SPINAL CORD, metabolism
37. Brochier M, Raynaud R, Griguer P, et al: Traitement thrombolitique par urokinase des embolies pulmonales de haute gravité. A propos de six cas. Sem Hop Paris 49:1825-36, 28 May 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANGIOGRAPHY/ BLOOD COAGULATION TESTS/ BLOOD PRESSURE/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ FIBRINOLYTIC AGENTS, administration & dosage/ FIBRINOLYTIC AGENTS, pharmacodynamics/ *FIBRINOLYTIC AGENTS, therapeutic use/ HEPARIN, therapeutic use/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ PLATELET ADHESIVENESS, drug effects/ PLEURA, blood supply/ PULMONARY EMBOLISM, diagnosis/ *PULMONARY EMBOLISM, drug therapy/ PULMONARY EMBOLISM, radiography/ RADIOISOTOPE SCANNING/ TIME FACTORS
438. Brock PG, Richards P: Reversal of rapidly progressive renal failure associated with polyarteritis. Proc R Soc Med 66:656-7, Jul 73
ARTERITIS, complications/ *ARTERITIS, drug therapy/ *AZATHIOPRINE, therapeutic use/ GLOMERULONEPHRITIS, complications/ *GLOMERULONEPHRITIS, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ WEGENER'S GRANULOMATOSIS, drug therapy
439. Brockhurst RJ, Lam KW: Uveal effusion. II. Report of a case with analysis of subretinal fluid. Arch Ophthalmol 90:399-401, Nov 73
ACID PHOSPHATASE, analysis/ ACID PHOSPHATASE, blood/ ADULT/ AZATHIOPRINE, therapeutic use/ BLOOD PROTEINS, analysis/ CATTLE/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ ELECTROPHORESIS/ *EXUDATES AND TRANSUDATES/ EXUDATES AND TRANSUDATES, analysis/ *EYE DISEASES/ FEMALE/ HUMAN/ ISOENZYMES, analysis/ LENS, CRYSTALLINE, pathology/ POTASSIUM, analysis/ POTASSIUM, blood/ PREDNISONE, therapeutic use/ PROTEINS, analysis/ RETINAL DETACHMENT, drug therapy/ RETINAL DETACHMENT, pathology/ SERUM ALBUMIN, analysis/ SODIUM, analysis/ SODIUM, blood/ *UVEA
440. Brodrick JD, Wyatt HT: Hereditary sex-linked retinosis. Br J Ophthalmol 57:551-9, Aug 73
ADOLESCENCE/ ADULT/ AGED/ BLOOD GROUPS/ CHILD/ FEMALE/ HEMORRHAGE/ HUMAN/ *LINKAGE (GENETICS)/ MACULA LUTEA/ MALE/ MIDDLE AGE/ PEDIGREE/ RETINAL DETACHMENT, etiology/ *RETINAL DISEASES, familial & genetic/ *SEX CHROMOSOMES/ VISUAL FIELDS/ VITREOUS BODY
441. Bromer WW, Boucher ME, Patterson JM: Glucagon structure and function. II. Increased activity of lodoglucagon. Biochem Biophys Res Commun 53:134-9, 2 Jul 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CORTISONE, pharmacodynamics/ ENZYME ACTIVATION/ *GLUCAGON, pharmacodynamics/ *HYPERGLYCEMIA, chemically induced/ IODINE, pharmacodynamics/ IODINE RADIOISOTOPES/ KINETICS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ PHOSPHORUS RADIOISOTOPES/ RABBITS/ RATS
442. Brook CG: Effect of human growth hormone treatment on adipose tissue in children. Arch Dis Child 48:725-8, Sep 73
ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, drug effects/ ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ BODY WEIGHT/ CHILD/ CHROMATOGRAPHY, GAS/ FEMALE/ HUMAN/ HYPOPITUITARISM, drug therapy/ INJECTIONS, INTRAMUSCULAR/ MALE/ SKINFOLD THICKNESS/ *SOMATOTROPIN,

AUTHOR SECTION

- pharmacodynamics/ SOMATOTROPIN, therapeutic use
443. Brookeman VA: T4 extraction efficiencies of three alcohols. *J Nucl Med* 14:826-7, Nov 73
*ALCOHOL, ETHYL/ *ALCOHOL, METHYL/ COMPARATIVE STUDY/ HUMAN/ PROTEIN BINDING/ *THYROXINE, blood
444. Brooker G: Oscillation of cyclic adenosine monophosphate concentration during the myocardial contraction cycle. *Science* 182:933-4, 20 Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ FREEZING/ FROGS/ *HEART, physiology/ HEART VENTRICLE/ IN VITRO/ *MYOCARDIUM, metabolism/ RANA PIPIENS
445. Brooks DE: Epididymal and testicular temperature in the unrestrained conscious rat. *J Reprod Fertil* 35:157-60, Oct 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE/ *EPIDIDYMIS, physiology/ MALE/ METHODS/ POSTURE/ RATS/ SKIN TEMPERATURE/ TEMPERATURE/ *TESTIS, physiology/ THERMOMETERS
446. Broome JD, Zucker-Franklin D, Weiner MS, et al: Leukemic cells with membrane properties of thymus-derived (T) lymphocytes in a case of Sézary's syndrome: morphologic and immunologic studies. *Clin Immunol Immunopathol* 1:319-29, Apr 73
AGED/ AUTORADIOGRAPHY/ BINDING SITES/ CARDIAC OUTPUT/ CELL MEMBRANE, immunology/ COMPLEMENT/ CYCLOPHOSPHAMIDE, therapeutic use/ ERYTHROCYTES, immunology/ *ERYTHRODERMA, immunology/ ERYTHRODERMA, pathology/ FOOT DERMATOSES, immunology/ HAND DERMATOSES, immunology/ HUMAN/ IMMUNE ADHERENCE REACTION/ IODINE RADIOISOTOPES/ LEUKEMIA, drug therapy/ *LEUKEMIA, immunology/ LEUKEMIA, pathology/ MALE/ MICE, immunology/ MICROSCOPY, ELECTRON/ PREDNISONE, therapeutic use/ *PRURITUS/ SHEEP, immunology/ TONSIL, cytology/ VINCRISTINE, therapeutic use
447. Brostoff J, Freedman A, Rolitt IM: Leucocyte migration inhibition to *Mycoplasma fermentans* in patients with rheumatoid arthritis. *Int Arch Allergy Appl Immunol* 45:690-6, 1973
ADULT/ AGED/ ANTIBODY DISSOCIATION/ *ANTIGENS, BACTERIAL/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, immunology/ AUTOANTIBODIES, analysis/ BACTERIOLOGICAL TECHNIQUES/ CELL MIGRATION INHIBITION/ CELL WALL/ CHLOROQUINE, therapeutic use/ FEMALE/ GEL DIFFUSION TESTS/ GOLD THIOMALATE, therapeutic use/ HEMAGGLUTINATION TESTS/ HORSES, immunology/ HUMAN/ IGG, analysis/ *LEUKOCYTES, immunology/ MALE/ MIDDLE AGE/ *MYCOPLASMA, immunology/ PREDNISONE, therapeutic use/ RHEUMATOID FACTOR, analysis
448. Broulik PD, Kochakian CD, Dubovsky J: Influence of castration and testosterone propionate on cardiac output, renal blood flow, and blood volume in mice. *Proc Soc Exp Biol Med* 144:671-3, Nov 73
ANIMAL EXPERIMENTS/ BLOOD VOLUME/ BLOOD VOLUME, drug effects/ BODY WEIGHT, drug effects/ *CARDIAC OUTPUT/ CARDIAC OUTPUT, drug effects/ CASTRATION/ *GONADS, physiology/ IODINE RADIOISOTOPES/ KIDNEY, anatomy & histology/ *KIDNEY, blood supply/ MICE/ ORGAN WEIGHT/ PLASMA VOLUME/ RADIOISOTOPE DILUTION TECHNIC/ RADIOISOTOPES/ REGIONAL BLOOD FLOW, drug effects/ RUBIDIUM/ SERUM ALBUMIN, pharmacodynamics/ SOMATOTROPIN, therapeutic use
449. Broulik PD, Pacovsky V: Effects of calcium, isuprel and linal on the calcitonin content of rat thyroid glands. *Endocrinol Exp (Bratisl)* 7:183-7, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCITONIN, analysis/ *CALCIUM, pharmacodynamics/ *ISOPROTERENOL, pharmacodynamics/ MALE/ *PROPRANOLOL, pharmacodynamics/ RATS/ THYROID GLAND, analysis/ *THYROID GLAND, drug effects/ TIME FACTORS
450. Brown RE, Mullick FG, Madge GE: Potential therapeutic pitfalls in Reye's syndrome. *Pediatrics* 52:491-3, Oct 73
BRAIN DISEASES, diagnosis/ *BRAIN DISEASES, therapy/ CHILD/ DEXAMETHASONE, adverse effects/ EXCHANGE TRANSFUSION, adverse effects/ FATTY LIVER, diagnosis/ *FATTY LIVER, therapy/ HUMAN/ KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, therapy/ PERITONEAL DIALYSIS, adverse effects/ REYE'S SYNDROME, therapy/ VIRUS DISEASES, diagnosis/ VIRUS DISEASES, therapy
451. Brown RW: Intramammary infections produced by various strains of *Staphylococcus epidermidis* and *Micrococcus*. *Cornell Vet* 63:630-45, Oct 73
ANIMAL EXPERIMENTS/ BACTERIAL INFECTIONS, etiology/ BACTERIAL INFECTIONS, occurrence/ BACTERIAL INFECTIONS, veterinary/ CATTLE/ CULTURE MEDIA/ FEMALE/ LACTATION/ *MASTITIS, BOVINE, etiology/ *MASTITIS, BOVINE, microbiology/ *MASTITIS, BOVINE, occurrence/ *MICROCOCCUS/ MICROCOCCUS, isolation & purification/ MILK, microbiology/ STAPHYLOCOCCAL INFECTIONS, etiology/ STAPHYLOCOCCAL INFECTIONS, occurrence/ *STAPHYLOCOCCAL INFECTIONS, veterinary/ STAPHYLOCOCCUS, isolation & purification
452. Brown RW, McLeod WR: Sympathetic stimulation with temporal lobe epilepsy. *Med J Aust* 2:274-6, 11 Aug 73
ADOLESCENCE/ CATECHOLAMINES, urine/ DIAGNOSIS, DIFFERENTIAL/ EPILEPSY, TEMPORAL LOBE, diagnosis/ *EPILEPSY, TEMPORAL LOBE, physiopathology/ EPILEPSY, TEMPORAL LOBE, urine/ HUMAN/ MALE/ PHEOCHROMOCYTOMA, diagnosis/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ VANILMANDELIC ACID, urine
453. Browne JW, Denny WA, Jones ER, et al: Microbiological hydroxylation of steroids. VII. The pattern of dihydroxylation of mono-oxo-5 alpha-androstanes and 5 alpha-estrans with the fungus *Rhizopus nigricans*. *J Chem Soc [Perkin I]* 14:1493-9, 1973
*ANDROSTANES, metabolism/ CHEMISTRY/ *ESTRANES, metabolism/ HYDROXYLATION/ KETOSTEROIDS, metabolism/ *RHIZOPUS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP
454. Bruce JD, Cofre X, Ramirez VD: Effect of locally implanted oestrogen on the response of the rat's lactating mammary gland to oxytocin. *Acta Endocrinol (Kbh)* 73:700-12, Aug 73
ANIMAL EXPERIMENTS/ DELAYED-ACTION PREPARATIONS/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LACTATION, drug effects/ MAMMAE, cytology/ *MAMMAE, drug effects/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ PRESSURE/ RATS
455. Bruce JD, Cofre X, Ramirez VD: Lactation and intra-mammary pressure in rats bearing oestrogen, progesterone or norethindrone mammary implants;

AUTHOR SECTION

- effects of oxytocin.
Acta Endocrinol (Khh) 73:713-20, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
COMPARATIVE STUDY/ DELAYED-ACTION
PREPARATIONS/ DEPRESSION, CHEMICAL/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ESTRADIOL, administration & dosage/
*ESTRADIOL, pharmacodynamics/ FEMALE/
*LACTATION, drug effects/ MAMMAE,
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NORETHINDRONE, administration & dosage/
*NORETHINDRONE, pharmacodynamics/
*OXYTOCIN, pharmacodynamics/
PREGNANCY/ PRESSURE/ PROGESTERONE,
administration & dosage/ *PROGESTERONE,
pharmacodynamics/ RATS/ TIME FACTORS
56. Brudzyński S, Grońska J, Romanuk A: Studies on
localization of defensive reactions in the
hypothalamus of cats by the method of
chemostimulation. Acta Physiol Pol 24:630-41, 1973
ANIMAL EXPERIMENTS/ CATS/
DEFECATION, drug effects/ ELECTRODES,
IMPLANTED/ ELECTROENCEPHALOGRAPHY/
*FEAR/ FEMALE/ HYPOTHALAMUS, drug
effects/ *HYPOTHALAMUS, physiology/
MALE/ MICROINJECTIONS/ MOTOR
ACTIVITY, drug effects/ RESPIRATION, drug
effects/ STIMULATION, CHEMICAL/
TUBOCURARINE, administration & dosage/
*TUBOCURARINE, pharmacodynamics/
URINATION, drug effects
57. Brugarolas A, Elias EG, Takita H, et al: Blood
coagulation and fibrinolysis in patients with
carcinoma of the lung. J Med (Basel) 4:96-105, 1973
ADENOCARCINOMA, blood/ ADULT/ AGED/
ALPHA GLOBULIN, analysis/ BLOOD
COAGULATION DISORDERS, drug therapy/
*BLOOD COAGULATION DISORDERS,
etiology/ BLOOD PROTEIN
ELECTROPHORESIS/ BRONCHIAL
NEOPLASMS, blood/ CARCINOMA, blood/
*CARCINOMA, BRONCHOGENIC, blood/
CARCINOMA, EPIDERMAL, blood/
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therapeutic use/ HUMAN/ INFUSIONS,
PARENTERAL/ *LUNG NEOPLASMS, blood/
MACROGLOBULINS, analysis/ MALE/ MIDDLE
AGE/ TIME FACTORS
58. Brugarolas A, Takita H, Vincent RG: Skin test in
bronchogenic carcinoma. II. Its value in the
differential diagnosis. J Surg Oncol 5:319-25, 1973
ADENOCARCINOMA, diagnosis/ ADULT/
*CARCINOMA, BRONCHOGENIC, immunology/
COLONIC NEOPLASMS, pathology/
DIAGNOSIS, DIFFERENTIAL/ FEMALE/
HUMAN/ HYPERSENSITIVITY, DELAYED/
IMMUNITY, CELLULAR/ KIDNEY
NEOPLASMS, immunology/ *LUNG
NEOPLASMS, diagnosis/ MALE/ MIDDLE
AGE/ NECK NEOPLASMS, pathology/
NEOPLASM METASTASIS/ *NEOPLASMS,
MULTIPLE PRIMARY, diagnosis/ OVARIAN
NEOPLASMS, immunology/ *SKIN TESTS
59. Brugarolas A, Takita H: Immunologic status in lung
cancer. Chest 64:427-30, Oct 73
ADULT/ AGED/ ANTIGENS, FUNGAL/
CANDIDA ALBICANS, immunology/
CARCINOMA, BRONCHIAL, immunology/
CARCINOMA, BRONCHIAL, pathology/
CARCINOMA, BRONCHOGENIC, drug therapy/
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CARCINOMA, EPIDERMAL, immunology/
CARCINOMA, OAT CELL, immunology/
CARCINOMA, OAT CELL, pathology/
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DELAYED, immunology/ IMMUNE
ADHERENCE REACTION/ LUNG
NEOPLASMS, drug therapy/ *LUNG
NEOPLASMS, immunology/ LUNG
NEOPLASMS, pathology/ LYMPHATIC
METASTASIS/ LYMPHOCYTE
- TRANSFORMATION/ MALE/ MIDDLE AGE/
SKIN TESTS
460. Brugsch J: Erfahrungen aus der Porphyriker-Ber at
ungsstelle Berlin (West).
Z Klin Chem Klin Biochem 11:273, Jun 73 (Ger)
CONTRACEPTIVES, ORAL/ GERMANY,
WEST/ HUMAN/ PORPHYRIA, diagnosis/
PORPHYRIA, etiology/ *PORPHYRIA,
occurrence
461. Brummer HC, Craft IL: Prostaglandin F2alpha and
labour. Acta Obstet Gynecol Scand 52:273-5, 1973
CERVIX UTERI, physiology/ DILATATION/
FEMALE/ HUMAN/ *LABOR/ LABOR,
INDUCED/ PREGNANCY/
PROSTAGLANDINS, blood/ PUERPERIUM/
RADIOIMMUNOASSAY/ TIME FACTORS
462. Brunette MG, Taleb L, Carriere S: Effect of parathyroid
hormone on phosphate reabsorption along the
nephron of the rat. Am J Physiol 225:1076-81, Nov 73
ABSORPTION/ ANIMAL EXPERIMENTS/
KIDNEY, drug effects/ *KIDNEY, physiology/
KIDNEY TUBULES, DISTAL, pathology/
KIDNEY TUBULES, PROXIMAL, physiology/
MALE/ MICROINJECTIONS/ *PARATHYROID
HORMONE, pharmacodynamics/
PHOSPHATES, metabolism/ PHOSPHORUS
RADIOISOTOPES/ PUNCTURES/ RATS/
THYROIDECTOMY/ TRITIUM
463. Brunner HR, Gavras H, Laragh JH: Angiotensin-II
blockade in man by sarl-ala8-angiotensin II for
understanding and treatment of high blood-pressure.
Lancet 2:1045-8, 10 Nov 73
ADOLESCENCE/ ADULT/ AGED/
*ANGIOTENSIN II, antagonists & inhibitors/
ANGIOTENSIN II, therapeutic use/ BLOOD
PRESSURE DETERMINATION/ DRUG
EVALUATION/ FEMALE/ HUMAN/
HYPERTENSION, blood/ HYPERTENSION,
complications/ *HYPERTENSION,
drug therapy/ HYPERTENSION, RENAL, drug
therapy/ MALE/ MIDDLE AGE/
PYELONEPHRITIS, complications/ RENIN,
blood
464. Brunner HR, Sealey JE, Laragh JH: Renin as a risk
factor in essential hypertension: more evidence.
Am J Med 55:295-302, Sep 73
ADULT/ AGE FACTORS/ AGED/ BLOOD
PRESSURE/ BLOOD UREA NITROGEN/
CAUCASIAN RACE/ CEREBROVASCULAR
DISORDERS, etiology/ HUMAN/
HYPERTENSION, blood/ HYPERTENSION,
complications/ *HYPERTENSION, enzymology/
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MYOCARDIAL INFARCT, etiology/ NEGROID
RACE/ NEW YORK CITY/ *RENIN, blood/
SODIUM, urine/ SODIUM CHLORIDE,
administration & dosage
465. Brunner KW: Die internistische Behandlung des
metastasierenden Mammakarzinoms.
Schweiz Med Wochenschr 103:1406-13, 13 Oct 73 (Ger)
ADULT/ ALKYLATING AGENTS, therapeutic
use/ ANTIMETABOLITES, therapeutic use/
*BREAST NEOPLASMS, drug therapy/ DRUG
THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ ESTROGENS, therapeutic use/
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NEOPLASM METASTASIS/ PROGESTATIONAL
HORMONES, therapeutic use/ REMISSION/
TESTOSTERONE, therapeutic use/ VINCA
ALKALOIDS, therapeutic use
466. Brunner KW, Martz G: Untersuchungen beim
metastasierenden Mammakarzinom.
Ther Umsch 30:646-50, Sep 73 (Ger)
*BREAST NEOPLASMS, drug therapy/
CLINICAL RESEARCH/
CYCLOPHOSPHAMIDE, therapeutic use/
DRUG THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
MELPHALAN, therapeutic use/
METHOTREXATE, therapeutic use/
*NEOPLASM METASTASIS, drug therapy/
PREDNISONE, therapeutic use/ VINCRISTINE,
therapeutic use

AUTHOR SECTION

467. Brunswick DJ, Cooperman BS: Synthesis and characterization of photoaffinity labels for adenosine 3':5'-cyclic monophosphate and adenosine 5'-monophosphate. *Biochemistry* 12:4074-8, 9 Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, chem synthesis/
*ADENOSINE MONOPHOSPHATE, chem synthesis/
ANILINE COMPOUNDS/ AZO COMPOUNDS, chem synthesis/
BENZYL COMPOUNDS/ CHEMISTRY/
CHROMATOGRAPHY, PAPER/ COLD/
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METHODS/ NUCLEAR MAGNETIC RESONANCE/ PHOTOLYSIS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TRIAZOLES/ TRITIUM
468. Bryan RS, Peterson LF, Combs JJ Jr: Polycentric knee arthroplasty. A review of 84 patients with more than one year follow-up. *Clin Orthop* 94:136-9, Jul-Aug 73
ADULT/ AGED/ ARTHRITIS, surgery/
ARTHRITIS, INFECTIOUS, surgery/
ARTHRITIS, RHEUMATOID, surgery/
ARTHRODESIS/ *ARTHROPLASTY/ HUMAN/
*JOINT PROSTHESIS/ *KNEE, surgery/
MIDDLE AGE/ MOVEMENT/ OSTEOPOROSIS/
PAIN/ SELF-HELP DEVICES/ SYNOVIAL MEMBRANE, surgery
469. Bube FW: Pathophysiologische Aspekte der Immunhämolysse und ihre Hemmung. *Med Welt* 24:565-8, 13 Apr 73 (Ger)
ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ CELL MEMBRANE, immunology/
CHLORPROMAZINE, pharmacodynamics/
COLD/ COMPLEMENT/ *ERYTHROCYTES, immunology/
*HEMOLYSIS/ HEMOLYSIS, drug effects/
HUMAN/ IMMUNOGLOBULINS/ PREDNISOLONE, pharmacodynamics/
VITAMIN E, pharmacodynamics
470. Bucana CD, Nadakavukaren MJ: Ultrastructural investigation of the postnatal development of the hamster Harderian gland. II. Male and female. *Z Zellforsch Mikrosk Anat* 142:1-12, 27 Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
CELL NUCLEUS/ CELLULAR INCLUSIONS/
CONNECTIVE TISSUE CELLS, cytology/
CYTOPLASM/ ENDOPLASMIC RETICULUM/
FEMALE/ GOLGI APPARATUS/ HAMSTERS/
LACRIMAL APPARATUS, cytology/
*LACRIMAL APPARATUS, growth & development/
LIPIDS/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/
PIGMENTS/ POLYRIBOSOMES/ SEX FACTORS/ SEX HORMONES
471. Buchan PC, Milne MK, Browning MC: The effect of continuous epidural blockade on plasma 11-hydroxycorticosteroid concentrations in labour. *J Obstet Gynaecol Br Commonw* 80:974-7, Nov 73
*ANESTHESIA, EPIDURAL/ BUPIVACAINE/
FEMALE/ HUMAN/
*11-HYDROXYCORTICOSTEROIDS, blood/
*LABOR, INDUCED/ OXYTOCIN/
PREGNANCY/ STRESS, blood/ TIME FACTORS
472. Buchignani JS, Rockett JF: Letter: Effects of breast prosthesis on ^{99m}Tc-stannous-polyporphosphate bone scans. *J Nucl Med* 14:878, Nov 73
*BONE AND BONES/ *BREAST/ FEMALE/
HUMAN/ IRON/ PHOSPHATES/
PROSTHESIS/ *RADIOISOTOPE SCANNING/
*TECHNETIUM
473. Buckett WR, Hewett CL, Savage DS: Pancuronium bromide and other steroidal neuromuscular blocking agents containing acetylcholine fragments. *J Med Chem* 16:1116-24, Oct 73
*ACETYLCHOLINE/ *AMMONIUM COMPOUNDS, chem synthesis/
AMMONIUM COMPOUNDS, pharmacodynamics/
AMMONIUM COMPOUNDS, toxicity/
ANDROSTANES, chem synthesis/
ANDROSTANES, pharmacodynamics/
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ANIMAL EXPERIMENTS/ CATS/
*CURARE-LIKE AGENTS, chem synthesis/
CURARE-LIKE AGENTS, pharmacodynamics/
CURARE-LIKE AGENTS, toxicity/
GUINEA PIGS/ LETHAL DOSE 50/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/
MUSCLE CONTRACTION, drug effects/
NEURAL TRANSMISSION, drug effects/
*NEUROMUSCULAR DEPOLARIZING AGENTS, chem synthesis/
NEUROMUSCULAR JUNCTION, drug effects/
*PANCURONIUM, chem synthesis/
PANCURONIUM, pharmacodynamics/
PANCURONIUM, toxicity/
SCIATIC NERVE, drug effects/
STRUCTURE-ACTIVITY RELATIONSHIP
474. Buckland RB, Blagrove K: Effect of feeding chlorpromazine, metyrapone and pargyline to chicks on plasma corticoid levels and the effect of stress on their relationship to body weight. *Poult Sci* 52:1215-7, May 73
*ADRENAL CORTEX HORMONES, blood/
ADRENAL GLANDS, drug effects/
ANIMAL EXPERIMENTS/ *BODY WEIGHT/
*CHICKENS, physiology/
*CHLORPROMAZINE, pharmacodynamics/
MALE/ *PARGYLINE, pharmacodynamics/
*POULTRY DISEASES, physiotherapy/
STRESS, physiotherapy/
STRESS, veterinary
475. Buckman MT, Peake GT: Estrogen potentiation of phenothiazine-induced prolactin secretion in man. *J Clin Endocrinol Metab* 37:977-80, Dec 73
DIETHYLSTILBESTROL, pharmacodynamics/
DRUG SYNERGISM/ *ESTROGENS, pharmacodynamics/
ETHINYL ESTRADIOL, pharmacodynamics/
MESTRANOL, pharmacodynamics/
NORETHINDRONE, pharmacodynamics/
*PERPHENAZINE, pharmacodynamics/
*PROLACTIN, blood/
RADIOIMMUNOASSAY
476. Buckner CD, Clift RA, Volwiler W, et al: Plasma exchange in patients with fulminant hepatic failure. *Arch Intern Med* 132:487-92, Oct 73
ADULT/ ARTERIOVENOUS SHUNT, SURGICAL/ ASPARTATE AMINOTRANSFERASE, blood/
AUSTRALIA ANTIGEN/ BILIRUBIN, blood/
BLOOD PLATELETS/ CHILD, PRESCHOOL/
ERYTHROCYTES/ *EXCHANGE TRANSFUSION/ EXCHANGE TRANSFUSION, instrumentation/
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HUMAN/ LEUKOCYTES/ LIVER DISEASES, complications/
LIVER REGENERATION/ MALE/ MIDDLE AGE/ NECROSIS/
PLASMA/ PREDNISOLONE, therapeutic use/
PROTHROMBIN TIME/ PULMONARY EDEMA, etiology/
TIME FACTORS
477. Budny JA, Niewenhuis RJ, Buehler EV, et al: Subacute oral toxicity of trisodium nitrilotriacetate (Na₃NTA) in dogs. *Toxicol Appl Pharmacol* 26:148-53, Sep 73
*ACETIC ACIDS, toxicity/
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/
BONE AND BONES, metabolism/
CALCIUM, metabolism/
CARBON RADIOISOTOPES/ *DETERGENTS, toxicity/
DIET/ DOGS/ FECES, metabolism/
FEEDING BEHAVIOR, drug effects/
FEMALE/ IRON, metabolism/
MAGNESIUM, metabolism/
MALE/ NITRILOTRIACETIC ACID, metabolism/
NITRILOTRIACETIC ACID, toxicity/
TIME FACTORS/ ZINC, metabolism
478. Budras KD, Wohlhonen H: Der Einfluss der Bursa fabrici auf die Geschlechtsorgane des Junguhns (Gallus domesticus) bei der Stimulierung mit Gonadotropin (HCG) und PMS sowie licht- und elektronenoptische Untersuchungen zur Syntheserate von Kollagen, Grundsubstanz und Geschlechtssteroidhormonen im Ovar. *Zentralbl Veterinärmed [C]* 2:156-88, Jun 73 (Ger)
ANIMAL EXPERIMENTS/ *BURSA OF FABRICIUS, metabolism/
*CHICKENS, metabolism/
*COLLAGEN, biosynthesis/
ENGLISH ABSTRACT/ FEMALE/
*GENITALIA, FEMALE, metabolism/
*GONADOTROPINS, CHORIONIC, pharmacodynamics/
*GONADOTROPINS,

AUTHOR SECTION

- EQUINE, pharmacodynamics/ MICROSCOPY/
MICROSCOPY, ELECTRON/ OVARY,
metabolism/ SEX HORMONES, hiosynthesis
9. Bühler EM, Tsuchimoto T, Stalder GR: Letter:
R-handing of the Y chromosome: base sequence,
strandedness, repetitiveness, and protein association
of D.N.A. *Lancet* 2:1095, 10 Nov 73
BASE SEQUENCE/ *DNA/ HUMAN/
*KARYOTYPING/ MALE/ METHODS/
*NUCLEOPROTEINS/ PROTEIN
CONFORMATION/ QUINACRINE,
pharmacodynamics/ *SEX CHROMOSOMES/
STAINS AND STAINING/ TRYPSIN,
pharmacodynamics
10. Bull JM, Duttera MJ, Stashick ED, et al: Serial in vitro
marrow culture in acute myelocytic leukemia.
Blood 42:879-88, Nov 73
ADOLESCENCE/ ADULT/ *BONE MARROW
CELLS, cytology/ BONE MARROW
EXAMINATION/ CELL COUNT/ CELL
DIVISION/ CHILD/ CLONE CELLS/
CYTARABINE, therapeutic use/
DAUNOMYCIN, therapeutic use/ DRUG
THERAPY, COMBINATION/ EMBRYO/
FEMALE/ HUMAN/ KIDNEY/ *LEUKEMIA,
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MYELOBLASTIC, drug therapy/
*LEUKOCYTES, cytology/ MALE/
MERCAPTOPYRINE, therapeutic use/
METHOTREXATE, therapeutic use/ MIDDLE
AGE/ PREDNISOLONE, therapeutic use/
REMISSION/ THIOGUANINE, therapeutic use/
TISSUE CULTURE/ VINCRISTINE, therapeutic
use
1. Bullock S, Winchester B: The N-acetylhexosaminidase
components of the ram testis and epididymis.
Biochem J 133:593-9, Jul 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/
*EPIDIDYMS, enzymology/ GEL
FILTRATION/ *HEXOSAMINIDASES, isolation
& purification/ ISOELECTRIC FOCUSING/
MALE/ METHODS/ MOLECULAR WEIGHT/
SEMEN, enzymology/ SHEEP/ *TESTIS,
enzymology
2. Bullough WS: The chalones: a review.
Nati Cancer Inst Monogr 38:5-16, Jul 73 (65 ref.)
ANIMAL EXPERIMENTS/ CELL DIVISION/
CHALONES, metabolism/ *CHALONES,
physiology/ CHALONES, therapeutic use/
EPINEPHRINE, physiology/ FEEDBACK/
GLUCOCORTICIDS, physiology/ KIDNEY,
physiology/ LEUKEMIA, MYELOCYTIC, drug
therapy/ LIVER REGENERATION/ MITOSIS/
NEOPLASMS, drug therapy/ NEOPLASMS,
metabolism/ NEOPLASMS, EXPERIMENTAL/
RATS/ REVIEW/ SKIN, metabolism/ WOUND
HEALING
3. Buñag RD, Walaszek EJ: In vitro inhibition by synthetic
phospholipids of pressor responses to renin.
Eur J Pharmacol 23:191-6, Aug 73
ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *BLOOD PRESSURE, drug
effects/ FEMALE/ IN VITRO/ KIDNEY/
NOREPINEPHRINE, pharmacodynamics/
PALMITIC ACID, pharmacodynamics/
*PHOSPHOLIPIDS, pharmacodynamics/
PROSTAGLANDINS, pharmacodynamics/ RATS/
*RENIN, antagonists & inhibitors/ RENIN,
pharmacodynamics/ SWINE/ TISSUE
EXTRACTS, pharmacodynamics
4. Burchardt P: Behandlung des Prostatakarzinoms aus
urologischer Sicht.
Roentgenhlaetter 26:432-4, Oct 73 (Ger)
ADENOCARCINOMA, drug therapy/
ADENOCARCINOMA, radiotherapy/
ADENOCARCINOMA, surgery/
*ADENOCARCINOMA, therapy/ AGED/
COBALT RADIOISOTOPES, therapeutic use/
COMPARATIVE STUDY/ CORTISONE,
therapeutic use/ ESTROGENS,
therapeutic use/ HUMAN/ MALE/ MIDDLE
AGE/ PROSTATECTOMY/ PROSTATIC
- NEOPLASMS, drug therapy/ PROSTATIC
NEOPLASMS, radiotherapy/ PROSTATIC
NEOPLASMS, surgery/ *PROSTATIC
NEOPLASMS, therapy/ RADIOISOTOPE
TELETHERAPY
485. Burger A: Klinische und pathophysiologische Aspekte
des Trijodothyronins.
Ther Umsch 30:698-700, Oct 73 (Ger)
ENGLISH ABSTRACT/ HUMAN/
*HYPERTHYROIDISM, metabolism/ THYROID
GLAND FUNCTION TESTS/
*TRIIODOTHYRONINE, metabolism
486. Burgio GR, Astaldi A Jr, Ugazio A, et al: Drugs and
depression of lymphocyte blastogenesis in children.
Trials with phenylbutazone, Thiamphenicol,
sulfamethopyrazine, diazepam and the antihistatic
platinum diammino dichloride.
Z Kinderheilkd 115:131-9, 31 Aug 73
ACETAMIDES, pharmacodynamics/ ADRENAL
CORTEX HORMONES,
antagonists & inhibitors/ ASPARAGINASE,
antagonists & inhibitors/ CHILD/ CHILD,
PRESCHOOL/ CULTURE MEDIA/
DEPRESSION, CHEMICAL/ *DIAMMONIUM
CHLOROPLATINUM COMPOUNDS,
pharmacodynamics/ *DIAZEPAM,
pharmacodynamics/ HUMAN/
IMMUNOSUPPRESSIVE AGENTS/
*LYMPHOCYTE TRANSFORMATION, drug
effects/ *PHENETHYLAMINES,
pharmacodynamics/ *PHENYLBUTAZONE,
pharmacodynamics/
*SULFAMETHOXYPIRIDAZINE,
pharmacodynamics/ SULFONES,
pharmacodynamics/ TRYPTAN BLUE
487. Burkhardt R: Behandlung bei myeloproliferativen
Krankheiten.
Munch Med Wochenschr 115:878-91, 11 May 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ ANTICOAGULANTS, therapeutic
use/ BLOOD TRANSFUSION, AUTOLOGOUS/
BLOODLETTERING/ BUSULFAN,
therapeutic use/ ENGLISH ABSTRACT/
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MYELOPROLIFERATIVE DISORDERS,
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MYELOPROLIFERATIVE DISORDERS,
pathology/ *MYELOPROLIFERATIVE
DISORDERS, therapy/ PHOSPHORUS
ISOTOPES, therapeutic use/ PLASMA
SUBSTITUTES, therapeutic use/ REMISSION
488. Burman KD, Broughton RE, Pfaff WK, et al:
Delodination of 131-I-labeled thyroxine in the fetal
rat. *Proc Soc Exp Biol Med* 143:1003-7, Sep 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY/ FEMALE/ *FETUS,
metabolism/ GESTATIONAL AGE/ IODINE
RADIOISOTOPES/ *KIDNEY, metabolism/
*LIVER, metabolism/ PREGNANCY/ RATS/
*THYROXINE, metabolism/
*TRIIODOTHYRONINE, metabolism
489. Burnham P, Varon S: In vitro uptake of active nerve
growth factor by dorsal root ganglia of embryonic
chick. *Neurobiology* 3:232-45, 1973
ANIMAL EXPERIMENTS/ CEREBRAL
CORTEX, metabolism/ CHICK EMBRYO/
CYCLOHEXIMIDE, pharmacodynamics/
CYTOCHROME C, pharmacodynamics/
DINITROPHENOLS, pharmacodynamics/
*GANGLIA, SPINAL, metabolism/ HISTONES,
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VITRO/ INSULIN, pharmacodynamics/
IODOACETATES, pharmacodynamics/ MALE/
MICE/ MUSCLES, metabolism/ *NERVE
GROWTH FACTOR, metabolism/ *SPINAL
NERVE ROOTS, metabolism/ SUBCELLULAR
FRACTIONS, metabolism
490. Burns-Cox CJ, Morley CJ: Letter: Thyroid function
after myocardial infarction. *Lancet* 2:964-5, 27 Oct 73
ADULT/ AGED/ AUTOANTIBODIES, analysis/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
*MYOCARDIAL INFARCT, physiopathology/
THYROID GLAND, immunology/ *THYROID

AUTHOR SECTION

- GLAND, physiopathology/ THYROID GLAND
FUNCTION TESTS
491. Burov SA: O srokakh okostenenila skeleta konechnostei cheloveka.
Sud Med Ekspert 16:11-5, Jul-Sep 73 (Rus)
ADOLESCENCE/ ADULT/ *AGE
DETERMINATION BY SKELETON/ AGE
FACTORS/ BONE AND BONES, radiography/
CHILD/ CHILD, PRESCHOOL/ ENGLISH
ABSTRACT/ ETHNIC GROUPS/
*EXTREMITIES/ FEMALE/ HUMAN/ INFANT/
INFANT, NEWBORN/ MALE/ *OSSIFICATION,
PHYSIOLOGIC/ USSR
 492. Burr IM: Letter: Testosterone-secreting adrenal tumors. N Engl J Med 289:1373-4, 20 Dec 73
*ADENOMA, physiopathology/ *ADRENAL
GLAND NEOPLASMS, physiopathology/
CHILD, PRESCHOOL/ FEMALE/
GONADOTROPINS, secretion/ *HORMONES,
ECTOPIC, secretion/ HUMAN/
*TESTOSTERONE, secretion
 493. Burr WA: Thrombotic thrombocytopenic purpura.
Proc R Soc Med 66:650-2, Jul 73
BRAIN DISEASES, etiology/ *HEPARIN,
therapeutic use/ HUMAN/
*HYDROCORTISONE, therapeutic use/
KIDNEY FAILURE, ACUTE, etiology/ MALE/
MIDDLE AGE/ PURPURA, THROMBOTIC
THROMBOPENIC, complications/ *PURPURA,
THROMBOTIC THROMBOPENIC, drug therapy
 494. Burrows EP, Jones SL, Smith HE: 6 alpha- and 6 beta-hydroxyestradiol. Circular dichroism and substantiation of configurational assignments.
J Org Chem 38:3797-8, 19 Oct 73
ANIMAL EXPERIMENTS/ CIRCULAR
DICHROISM/ *ESTRADIOL, analysis/ HUMAN/
HYDROXYSTEROIDS, analysis/ MOLECULAR
CONFORMATION/ RATS/
SPECTROPHOTOMETRY, ULTRAVIOLET
 495. Burton J, Godfraind T: Na-Ca sites in the longitudinal smooth muscle of the guinea-pig ileum and the action of drugs. Arch Int Pharmacodyn Ther 204:184-6, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/
*CALCIUM, analysis/ CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ CELL
MEMBRANE, metabolism/ GUINEA PIGS/
ILEUM, analysis/ ILEUM, cytology/ *ILEUM,
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analysis/ MUSCLE, SMOOTH, analysis/
*MUSCLE, SMOOTH, metabolism/ POTASSIUM,
analysis/ POTASSIUM, metabolism/ *SODIUM,
analysis/ SODIUM, metabolism
 496. Burton JL, Laschet U, Shuster S: Reduction of sebum excretion in man by the antiandrogen, cyproterone acetate. Br J Dermatol 89:487-90, Nov 73
ADULT/ ANDROGENS, antagonists &
inhibitors/ *CYPROTERONE, antagonists &
pharmacodynamics/ HUMAN/ LIBIDO, drug
effects/ MALE/ MIDDLE AGE/ *SEBUM, drug
effects/ SEBUM, secretion/ SECRETORY
RATE, drug effects/ SEX DEVIATION, drug
therapy
 497. Burton JL, Shuster S: A rapid increase in skin extensibility due to prednisolone.
Br J Dermatol 89:491-5, Nov 73
ADOLESCENCE/ ADULT/ AGED/ ALOPECIA,
drug therapy/ CONNECTIVE TISSUE, drug
effects/ ELASTICITY/ ELECTRONICS,
MEDICAL/ HUMAN/ MIDDLE AGE/
PREDNISOLONE, adverse effects/
*PREDNISOLONE, pharmacodynamics/ *SKIN,
drug effects/ STRESS, MECHANICAL/ TIME
FACTORS
 498. Burton JL, Shuster S, Cartledge M, et al: Letter: Lactation, sebum excretion and melanocyte-stimulating hormone.
Nature 243:349-50, 8 Jun 73
FEMALE/ HUMAN/ *LACTATION/ MSH,
physiology/ *PREGNANCY/ *SEBACEOUS
GLANDS, secretion/ *SEBUM, secretion
 499. Bus JS, Gibson JE, Reinke DA: Teratogenicity and neonatal toxicity of ifosfamide in mice.
Proc Soc Exp Biol Med 143:965-70, Sep 73
*ABNORMALITIES, DRUG-INDUCED/
ALKYLATING AGENTS, administration &
dosage/ ALKYLATING AGENTS, metabolism/
*ALKYLATING AGENTS, pharmacodynamics/
ALKYLATING AGENTS, toxicity/ ANIMAL
EXPERIMENTS/ *ANIMALS, NEWBORN/
BODY WEIGHT, drug effects/ BONE AND
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CYCLIC P-OXIDES, metabolism/ *CYCLIC
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HYDRONEPHROSIS, chemically induced/
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*MATERNAL-FETAL EXCHANGE/ MICE/
OXAZINES, metabolism/ *OXAZINES,
pharmacodynamics/ OXAZINES, toxicity/
PREGNANCY
 500. Buscarini L, Nicolini E: Considerazioni su un caso di mielosi eritremica acuta.
Haematologica (Pavia) 58:427-36, 1973 (Ita)
ACUTE DISEASE/ AGED/ CASE REPORT/
*ERYTHREMIC MYELOSIS/ ERYTHREMIC
MYELOSIS, complications/ ERYTHROCYTES,
ABNORMAL/ FEMALE/ GIGANTISM,
complications/ HUMAN
 501. Bussolati G, Noorden S van, Bordi C: Calcitonin- and ACTH-producing cells in a case of medullary carcinoma of the thyroid. Immunofluorescence investigations.
Virchows Arch [Pathol Anat] 360:123-7, 9 Aug 73
*CARCINOMA, metabolism/ CARCINOMA,
pathology/ *CORTICOTROPIN, secretion/
CUSHING'S SYNDROME, complications/
FLUORESCENT ANTIBODY TECHNIC/
*HORMONES, ECTOPIC/ HUMAN/ NEOPLASM
METASTASIS/ *THYROID NEOPLASMS,
metabolism/ THYROID NEOPLASMS,
pathology
 502. Bustos-Obregón E, Holstein AF: On structural patterns of the lamina propria of human seminiferous tubules.
Z Zellforsch Mikrosk Anat 141:413-25, 3 Aug 73
BIOPSY/ CELLULAR INCLUSIONS/
COLLAGEN/ CYTOPLASMIC GRANULES/
ENDOPASMIC RETICULUM/ EPITHELIAL
CELLS, cytology/ EXTRACELLULAR SPACE/
GLYCOGEN/ GOLGI APPARATUS/ HUMAN/
MALE/ MICROSCOPY/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ SERTOLI
CELL TUMOR, pathology/ *TESTIS, cytology/
TESTIS, pathology
 503. Butcher RW, Crofford OB, Gammeltuff S, et al: Letter: Insulin activity: the solid matrix.
Science 182:396-8, 26 Oct 73
*INSULIN, metabolism/ POLYSACCHARIDES/
*RECEPTORS, HORMONE
 504. Butenandt O, Souvatzoglou A: Lutetinsäuerndes Hormon im Serum gesunder Kinder und bei Pubertas praecox.
Monatsschr Kinderheilkd 121:473-4, Jul 73 (Ger)
AGE FACTORS/ CHILD/ CHILD,
PRESCHOOL/ CYPROTERONE, therapeutic
use/ FEMALE/ HUMAN/ *LH, blood/ MALE/
*PUBERTY, PRECOCIOUS, blood/ PUBERTY,
PRECOCIOUS, drug therapy/
RADIOIMMUNOASSAY
 505. Butt WP: Radiology of the infected joint.
Clin Orthop 96:136-49, Oct 73
*ARTHRITIS, INFECTIOUS, radiography/
ARTHRITIS, RHEUMATOID, radiography/
DIAGNOSIS, DIFFERENTIAL/ ELBOW,
radiography/ HIP, radiography/ HUMAN/
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radiography/ SPINAL DISEASES, radiography/
SPONDYLITIS, radiography/ SYNOVIAL
MEMBRANE/ TUBERCULOSIS,
OSTEOARTICULAR, radiography

AUTHOR SECTION

06. Byun SM, Jenness R, Ridley WF, et al: The stereospecificity of D-glucose-6-phosphate: 1L-myo-inositol-1-phosphate cycloaldolase on the hydrogen atoms at C-6. *Biochem Biophys Res Commun* 54:961-7, 1 Oct 73
AEROBACTER AEROGENES, enzymology/
ANIMAL EXPERIMENTS/ *CARBOHYDRATE ISOMERASES/ CHROMATOGRAPHY/
FEMALE/ GLUCOSE, metabolism/
GLUCOSEPHOSPHATES/ HYDROGEN/ IN VITRO/ INOSITOL/ INOSITOL, metabolism/
MALE/ MAMMAE, enzymology/ OXYGENASES, metabolism/ RATS/ TESTIS, enzymology/
*TRITIUM
- C**
07. Cabal EC, Shields JB: Tracheal soft tissue mass. Case reports. *Mo Med* 70:775-8, Nov 73
*CARCINOMA, EPIDERMAL, radiography/
CARCINOMA, EPIDERMAL, radiotherapy/
*CARCINOMA, OAT CELL, radiography/
CARCINOMA, OAT CELL, radiotherapy/
HUMAN/ MALE/ MIDDLE AGE/ *TRACHEAL NEOPLASMS, radiography/ TRACHEAL NEOPLASMS, radiotherapy
 08. Cabañas VY, Faulconer RJ, Fekete AM: Pheochromocytoma presenting as a ureterocele. *J Urol* 110:389-90, Oct 73
*BLADDER NEOPLASMS, diagnosis/ BLADDER NEOPLASMS, pathology/ BLADDER NEOPLASMS, radiography/ BLADDER NEOPLASMS, surgery/ BLOOD PRESSURE/ CYSTOSCOPY/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE/
*PHEOCHROMOCYTOMA, diagnosis/
PHEOCHROMOCYTOMA, pathology/
PHEOCHROMOCYTOMA, radiography/
PHEOCHROMOCYTOMA, surgery/ URETERAL NEOPLASMS, diagnosis/ URETERAL NEOPLASMS, pathology/ URETERAL NEOPLASMS, radiography/ URETERAL NEOPLASMS, surgery/ *URETEROCELE, diagnosis/ URETEROCELE, radiography/ UROGRAPHY
 09. Cabanne F, Wilkening M, Caillard B, et al: Interférences médicamenteuses induites par l'association propranolol-dextromoramide. Discussion de deux observations. *Anesth Analg (Paris)* 30:369-75, Mar-Apr 73 (Fre)
*ANESTHESIA, adverse effects/ ATROPINE, therapeutic use/ *BRADYCARDIA, chemically induced/ BRADYCARDIA, drug therapy/
*DEXTROMORAMIDE, adverse effects/ DRUG INTERACTIONS/ FEMALE/ GOITER, surgery/
HUMAN/ MIDDLE AGE/ *PREANESTHETIC MEDICATION/ *PROPRANOLOL, adverse effects
 10. Caen J, Dupuy E, Bernard J: Purpura thrombocytopénique avec mégacaryocytopénie cyclique. *Nouv Rev Fr Hematol* 13:578-80, Jul-Aug 73 (Fre)
BLOOD PLATELETS/ BLOOD TRANSFUSION/
*BONE MARROW DISEASES, complications/
BONE MARROW DISEASES, therapy/
HUMAN/ HYDROCORTISONE, therapeutic use/
MALE/ *MEGAKARYOCYTES/ MIDDLE AGE/
PERIODICITY/ *PURPURA, THROMBOCYTOPENIC, complications/ PURPURA, THROMBOCYTOPENIC, therapy/ SPLENECTOMY
 11. Caggliola AR, Antelman SM, Zigmond MJ: Disruption of copulation in male rats after hypothalamic lesions: a behavioral, anatomical and neurochemical analysis. *Brain Res* 59:273-87, 14 Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
EJACULATION/ FIELD
DEPENDENCE-INDEPENDENCE/
*HYPOTHALAMUS, physiology/ MALE/
MICROSCOPY, FLUORESCENCE/
NOREPINEPHRINE, metabolism/ RATS/
SEROTONIN, metabolism/ *SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ TELEENCEPHALON, metabolism
 12. Cake MH, Ghisalbetti AV, Oliver IT: Cytoplasmic binding of dexamethasone and induction of tyrosine aminotransferase in neonatal rat liver. *Biochem Biophys Res Commun* 54:983-90, 1 Oct 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ CELL-FREE SYSTEM/
CELL NUCLEUS, metabolism/ *CYTOPLASM, metabolism/ CYTOSOL, metabolism/
*DEXAMETHASONE, metabolism/ IN VITRO/
LIVER, cytology/ *LIVER, enzymology/
PUERPERIUM/ RATS/ TRITIUM/ *TYROSINE AMINOTRANSFERASE, metabolism
 513. Calder A, Embrey MP: Letter: Prostaglandins and the unfavourable cervix. *Lancet* 2:1322-3, 8 Dec 73
CATHETERIZATION/ DELIVERY/ FEMALE/
HUMAN/ INFANT, NEWBORN/ *LABOR, INDUCED/ PREGNANCY/ PROSTAGLANDINS, administration & dosage
 514. Callaris L, Astrada JJ, Tafelsnik S: Development of the mechanisms involved in the facilitatory and inhibitory effects of ovarian steroids on the release of follicle-stimulating hormone in the immature rat. *J Endocrinol* 58:547-54, Sep 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ CASTRATION/
ESTRADIOL, administration & dosage/
*ESTRADIOL, pharmacodynamics/ FEMALE/
*FSH, blood/ INJECTIONS, SUBCUTANEOUS/
MALE/ OVARY, physiology/
PROGESTERONE, pharmacodynamics/
PUBERTY/ RATS/ STIMULATION, CHEMICAL
 515. Callaerts J, Demol R, Figueux J, et al: Etude clinique d'un nouveau contraceptif oral: ovostat. *Brux Med* 53:409-18, Jul 73 (Fre)
ADOLESCENCE/ ADULT/ CLINICAL RESEARCH/ *CONTRACEPTIVES, ORAL/
ENGLISH ABSTRACT/ *ETHINYL
ESTRADIOL/ FEMALE/ HUMAN/
*LYNASTRENOL/ MIDDLE AGE/ PLACEBOS/
PREGNANCY
 516. Callard IP, Klotz KL: Sensitivity of parameters of estrogen action in the iguanid lizard *Dipsosaurus dorsalis*. *Gen Comp Endocrinol* 21:314-21, Oct 73
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LIVER, drug effects/ *LIVER GLYCOGEN, metabolism/
*LIZARDS/ ORGAN WEIGHT/ OVARY/
*OVIDUCTS, drug effects
 517. Callard R, Riviere MR: Effets de l'acétate de cyprotérone sur le poids, l'activité et les isoenzymes de la lactate deshydrogénase au niveau du testicule et des organes sexuels secondaires chez le rat normal et le rat greffé avec une tumeur leydigienne. *Biochim Biophys Acta* 313:190-201, 20 Jun 73 (Fre)
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ *CYPROTERONE, pharmacodynamics/
*LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ *LEYDIG CELL TUMOR, enzymology/ MALE/ NEOPLASM TRANSPLANTATION/ ORGAN WEIGHT/
PROSTATE, drug effects/ *PROSTATE, enzymology/ RATS/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, enzymology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTIS, drug effects/
*TESTIS, enzymology
 518. Calne DB, Reid JL: Actions of levodopa on the blood pressure of conscious rabbits. *Br J Pharmacol* 48:194-7, Jun 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ *DOPA, pharmacodynamics/ DOPA DECARBOXYLASE, antagonists & inhibitors/ IPRONIAZID, pharmacodynamics/ MALE/
METHYLDOPAHYDRAZINE, pharmacodynamics/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ RABBITS/
TIME FACTORS
 519. Caloca-Moreno V, Galindo-Estrada I, Frenk S: Aspectos biometeorológicos en el raquitismo carencial. *Arch Invest Med (Mex)* 4:115-24, 1973 (Spa)
AIR POLLUTION/ ENGLISH ABSTRACT/

AUTHOR SECTION

- ENVIRONMENTAL EXPOSURE/ HUMAN/
MEXICO/ *RICKETS, occurrence/ SEASONS/
*SUNLIGHT/ TIME FACTORS/
*ULTRAVIOLET RAYS/ WEATHER
520. Calton CJ, Burnett JW, Garbus J, et al: The effects of Chrysaora and Physalia venoms on mitochondrial structure and function.
Proc Soc Exp Biol Med 143:971-7, Sep 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ *COELENTERATA/
COMPARATIVE STUDY/ LIVER, cytology/
MICROSCOPY, ELECTRON/ *MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ OXIDATIVE PHOSPHORYLATION, drug effects/ RATS/
*VENOMS, pharmacodynamics
521. Calton GJ, Burnett JW: The effect of two jellyfish toxins on calcium ion transport.
Toxicol 11:357-60, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ *COELENTERATA/ IN VITRO/
LETHAL DOSE 50/ SARCOPLASMIC RETICULUM, drug effects/ *TOXINS, pharmacodynamics
522. Calvert R: Ultrastructural localization of alkaline phosphatase activity in the developing thyroid gland of the rat. Anat Rec 177:359-75, Nov 73
*ALKALINE PHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CYTOPLASM/ GOLGI APPARATUS, enzymology/ INTERCELLULAR JUNCTIONS/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ MORPHOGENESIS/ RATS/
THYROID GLAND, cytology/ THYROID GLAND, embryology/ *THYROID GLAND, enzymology/ TIME FACTORS
523. Cameron JS: The treatment of chronic renal failure in children by regular dialysis and by transplantation.
Nephron 11:221-51, 1973
ADOLESCENCE/ AGE FACTORS/
ARTERIOVENOUS SHUNT, SURGICAL/ BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ CREATININE, blood/ DIET THERAPY/ FEMALE/ GLOMERULAR FILTRATION RATE/ GROWTH DISORDERS, etiology/ *HEMODIALYSIS/ HEMODIALYSIS, HOME/ HUMAN/ HYPERTENSION, complications/ *KIDNEY, transplantation/
*KIDNEY FAILURE, CHRONIC, therapy/
MALE/ NUTRITIONAL REQUIREMENTS/
PROGNOSIS/ PSYCHOPHYSIOLOGIC DISORDERS, etiology/ RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, etiology/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS/ UREA, urine
524. Cameron JS, Vick RM, Ogg CS, et al: Plasma C3 and C4 concentrations in management of glomerulonephritis.
Br Med J 3:668-72, 29 Sep 73
ANTINUCLEAR FACTORS, analysis/
AZATHIOPRINE, therapeutic use/ BIOPSY/
*COMPLEMENT/ GEL DIFFUSION TESTS/
GLOMERULONEPHRITIS, blood/
GLOMERULONEPHRITIS, drug therapy/
*GLOMERULONEPHRITIS, immunology/
GLOMERULONEPHRITIS, pathology/ HUMAN/
IMMUNOLOGIC DEFICIENCY SYNDROMES/
KIDNEY, transplantation/ KIDNEY GLOMERULUS, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/
PREDNISOLONE, therapeutic use/
TRANSPLANTATION, HOMOLOGOUS
525. Campaigne RJ, Coll JJ, Johnson FL, et al: Left upper quadrant pain. Minn Med 56:897-8, Oct 73
ADENOMA, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLANDS, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE
526. Campbell AC, Hersey P, Harding B, et al: Effects of anti-cancer agents on immunological status.
Br J Cancer 254-61, Aug 73
- ANTIBODY PRODUCING CELLS, drug effects/
*ANTINEOPLASTIC AGENTS, pharmacodynamics/ AZATHIOPRINE, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DISGERMINOMA, radiotherapy/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *IMMUNITY, drug effects/ IMMUNITY, radiation effects/ IMMUNOGLOBULINS, analysis/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ LEUKOCYTE COUNT/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, drug effects/
*LYMPHOCYTES, radiation effects/
MERCAPTOPYRINE, pharmacodynamics/
PLANT AGGLUTININS, pharmacodynamics/
SHEEP, immunology
527. Campbell DJ, Skinner SL, Day AJ: Suppression of plasma renin by atherogenic levels of serum cholesterol in rabbits.
Clin Sci Mol Med 45:565-9, Oct 73
ANIMAL EXPERIMENTS/
ARTERIOSCLEROSIS, chemically induced/
BLOOD PRESSURE, drug effects/ BODY WEIGHT/ *CHOLESTEROL, blood/
CHOLESTEROL, pharmacodynamics/ *DIET, ATHEROGENIC/ ENZYMES, antagonists & inhibitors/ MALE/ RABBITS/ *RENIN, blood/
UREA, blood
528. Campra JL, Hamlin EM Jr, Kirshbaum RJ, et al: Prednisone therapy of acute alcoholic hepatitis. Report of a controlled trial.
Ann Intern Med 79:625-31, Nov 73
ACUTE DISEASE/ ADULT/ ALCOHOLISM, complications/ ASPARTATE AMINOTRANSFERASE, blood/ BILIRUBIN, blood/ CALIFORNIA/ FEMALE/ *HEPATITIS, TOXIC, drug therapy/ HEPATITIS, TOXIC, etiology/ HEPATITIS, TOXIC, mortality/
HOSPITALIZATION/ HUMAN/ LENGTH OF STAY/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROTHROMBIN TIME/
SERUM ALBUMIN, metabolism/ TIME FACTORS
529. Camu F: Effects of local anesthetics on glucose-stimulated insulin secretion from rat pancreas in vitro.
Arch Int Pharmacodyn Ther 204:368-72, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIMENTS/
ANTIGENS, analysis/ BUPIVACAINE, pharmacodynamics/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/
DIBUCAINE, pharmacodynamics/ *GLUCOSE, pharmacodynamics/ IN VITRO/ *INSULIN, secretion/ INSULIN ANTIBODIES, analysis/
LIDOCAINE, pharmacodynamics/
MEPIVACAINE, pharmacodynamics/
NEUTRALIZATION TESTS/ PANCREAS, drug effects/ *PANCREAS, secretion/ POTASSIUM, pharmacodynamics/ PRILOCAINE, pharmacodynamics/ PROCAINE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TETRACAINE, pharmacodynamics
530. Canivet J, Passa P: Rétinopathie diabétique et fonction hypophysaire.
Ann Endocrinol (Paris) 34:174-80, Mar-Apr 73 (Fre)
AGE FACTORS/ CORONARY DISEASE, complications/ DIABETIC RETINOPATHY, complications/ DIABETIC RETINOPATHY, physiopathology/ *DIABETIC RETINOPATHY, therapy/ HUMAN/ HYPERTENSION, complications/ *HYPOPHYSECTOMY/
HYPOPHYSECTOMY, adverse effects/
KIDNEY FAILURE, CHRONIC, complications/
PITUITARY GLAND, physiopathology/
PROGNOSIS
531. Cantin M, Bajusz E: Electrolyte content and ultrastructure of the kidney in hamsters with heart failure. Exp Mol Pathol 19:143-59, Oct 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CARBON RADIOISOTOPES/
DISEASE MODELS, ANIMAL/ FEMALE/

AUTHOR SECTION

- HAMSTERS/ HEART FAILURE, CONGESTIVE, blood/ HEART FAILURE, CONGESTIVE, metabolism/ *HEART FAILURE, CONGESTIVE, pathology/ HEART FAILURE, CONGESTIVE, urine/ KIDNEY, metabolism/ *KIDNEY, pathology/ KIDNEY TUBULES, DISTAL, pathology/ KIDNEY TUBULES, PROXIMAL, pathology/ LIVER, pathology/ *MAGNESIUM, metabolism/ MALE/ *POTASSIUM, metabolism/ *SODIUM, metabolism
3. Cape CA: Ocular response to corticotropin in myasthenia gravis. Arch Ophthalmol 90:292-3, Oct 73
BLEPHAROPTOSIS, drug therapy/ CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN, therapeutic use/ *EYE, drug effects/ EYE MANIFESTATIONS/ HUMAN/ *MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, therapy/ OCULOMOTOR PARALYSIS, drug therapy/ POSTOPERATIVE CARE/ PREDNISOLONE, therapeutic use/ THYMECTOMY
4. Cape CA, Arbona NJ: Correlation of the clinical response to ACTH treatment with the endocrine status in myasthenia gravis. South Med J 66:1011-3, Sep 73
CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, therapeutic use/ DEXAMETHASONE, diagnostic use/ EYE DISEASES, drug therapy/ HUMAN/ METYRAPONE, diagnostic use/ *MYASTHENIA GRAVIS, drug therapy/ *PITUITARY-ADRENAL SYSTEM
5. Capell PT, Paulsen CA, Derleth D, et al: The effect of short-term testosterone administration on serum FSH, LH and testosterone levels: evidence for selective abnormality in LH control in patients with Klinefelter's syndrome. J Clin Endocrinol Metab 37:752-9, Nov 73
ADOLESCENCE/ ADULT/ FEEDBACK/ *FSH, blood/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *KLINEFELTER'S SYNDROME, blood/ *LH, blood/ MALE/ MIDDLE AGE/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics
6. Capelli JP, Wesson LG Jr, Housel EL: Renovascular hypertension: incidence, diagnosis, mechanism and treatment. J Chronic Dis 26:503-27, Aug 73 (156 ref.)
ADULT/ ANGIOGRAPHY/ ANGIOTENSIN, blood/ ANGIOTENSIN, diagnostic use/ ANIMAL EXPERIMENTS/ BIOPSY/ COMPARATIVE STUDY/ HUMAN/ HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, drug therapy/ *HYPERTENSION, RENAL, occurrence/ HYPERTENSION, RENAL, pathology/ HYPERTENSION, RENAL, radiography/ HYPERTENSION, RENAL, surgery/ IODOHIPURIC ACID, diagnostic use/ KIDNEY, pathology/ KIDNEY FUNCTION TESTS/ MIDDLE AGE/ RENAL ARTERY, radiography/ RENAL ARTERY OBSTRUCTION, radiography/ RENAL VEINS/ RENIN, blood/ REVIEW/ UROGRAPHY
7. Carbone PP: International Symposium on Hodgkin's Disease. Session 4. Small group workshops. Report on workshop: Chemotherapy. Natl Cancer Inst Monogr 36:357-8, May 73
ADRIAMYCIN, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ BLEOMYCIN, therapeutic use/ CARMUSTINE, therapeutic use/ DRUG THERAPY, COMBINATION/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ LEUKEMIA, drug therapy/ MECHLORETHAMINE, therapeutic use/ NITROSOUREA COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REMISSION/ TIME FACTORS/ VINCRISTINE, therapeutic use
8. Carbone PP: Second joint working conference: National Cancer Institute Chemotherapy Program. Working session report: clinical trials. Cancer Chemother Rep [Suppl] 3:73-5, 1 May 72
- *ANTINEOPLASTIC AGENTS, therapeutic use/ BLOOD PLATELETS/ BLOOD TRANSFUSION, adverse effects/ BRAIN NEOPLASMS, pathology/ BREAST NEOPLASMS, drug therapy/ CLINICAL RESEARCH/ COLONIC NEOPLASMS, drug therapy/ CROSS INFECTION, prevention & control/ FLUOROURACIL, therapeutic use/ HISTOCOMPATIBILITY TESTING/ HUMAN/ LEUKOCYTES/ LUNG NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, drug therapy/ STATISTICS
538. Carlsen RB, Bahl OP, Swaminathan N: Human chorionic gonadotropin. Linear amino acid sequence of the beta subunit. J Biol Chem 248:6810-27, 10 Oct 73
AMIDES, analysis/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CHYMOTRYPSIN/ COMPARATIVE STUDY/ FEMALE/ GEL FILTRATION/ *GLYCOPOLYMER, analysis/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ LH, analysis/ MOLECULAR WEIGHT/ OLIGOSACCHARIDES, analysis/ OXIDATION-REDUCTION/ PREGNANCY/ SERINE/ SHEEP/ SPECIES SPECIFICITY/ SWINE/ THERMOLYSIN/ TRYPSIN
539. Carlson JC, Barcikowski B, McCracken JA: Prostaglandin F2 alpha and the release of LH in sheep. J Reprod Fertil 34:357-61, Aug 73
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ ESTRADIOL, blood/ ESTRUS/ FEMALE/ HYPOTHALAMUS, secretion/ INJECTIONS, INTRA-ARTERIAL/ INJECTIONS, SUBCUTANEOUS/ JUGULAR VEIN/ LH, blood/ *LH, secretion/ OVARY, drug effects/ OVARY, secretion/ PITUITARY GLAND, secretion/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ SECRETORY RATE, drug effects/ SHEEP/ STIMULATION, CHEMICAL
540. Carlson M, Van Pilsum JF: S-adenosylmethionine: guanidinoacetate N-methyltransferase activities in livers from rats with hormonal deficiencies or excesses. Proc Soc Exp Biol Med 143:1256-9, Sep 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ *HORMONES, physiology/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ INSULIN, pharmacodynamics/ *LIVER, enzymology/ *METHYLTRANSFERASES, metabolism/ *PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RATS/ SOMATOTROPIN, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ THYROIDECTOMY/ THYROXINE, pharmacodynamics
541. Carlsson A: Virkningsmekanismen for de tricykliske antidepressiva. Tidsskr Nor Laegeforen 93:1300-2, 20 Jun 73 (Nor)
*ANTIDEPRESSIVE AGENTS, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOPAMINE, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *NERVE ENDINGS, drug effects/ NERVE ENDINGS, metabolism/ NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, metabolism/ *SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SYNAPTIC RECEPTORS, drug effects
542. Carmeliet E, Busselen P, Verdonck F, et al: Ca ions and excitation-contraction coupling in heart muscle. Verh K Vlaam Acad Geneesk Belg 35:181-222, 1973 (71 ref.)
ACTION POTENTIALS, drug effects/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ *CALCIUM, physiology/ CATTLE/ ELECTRIC CONDUCTIVITY, drug effects/ EPINEPHRINE, pharmacodynamics/ *HEART, physiology/

AUTHOR SECTION

- HEART FAILURE, CONGESTIVE, metabolism/
HUMAN/ REVIEW/ SODIUM,
pharmacodynamics/ STRONTIUM,
pharmacodynamics
543. Carney JA, Walker BL: Mode of killing and plasma corticosterone concentrations in the rat.
Lah Anim Sci 23:875-8, Oct 73
ANESTHESIA, INHALATION, veterinary/
ANIMAL EXPERIMENTS/ CHLOROFORM/
CIRCADIAN RHYTHM/ *CORTICOSTERONE,
blood/ ETHYL ETHERS/ HEMORRHAGE,
veterinary/ MALE/ METHODS/
PENTOBARBITAL/ *RATS, physiology/
RODENT DISEASES, physiopathology/ STRESS,
physiopathology/ STRESS, veterinary
544. Carpenter CL Jr, Jolly HW Jr, McCormick GE Jr, et al: Combined steroid-antinflective topical therapy in common dermatoses: a double-blind, multi-center study of iodochlorhydroxyquin-hydrocortisone in 277 patients. Curr Ther Res 15:650-9, Sep 73
ADOLESCENCE/ ADULT/ AGED/
ANTI-INFECTIVE AGENTS, LOCAL,
therapeutic use/ *BACTERIAL INFECTIONS,
drug therapy/ CHILD/ CHILD, PRESCHOOL/
DERMATITIS, ATOPIC, drug therapy/
DERMATITIS, CONTACT, drug therapy/
ECZEMA, drug therapy/ FEMALE/ HUMAN/
*HYDROCORTISONE, therapeutic use/
INFANT/ *IDOCHLORHYDROXYQUIN,
therapeutic use/ MALE/ MIDDLE AGE/
*MYCOSES, drug therapy/
NEURODERMATITIS, drug therapy/ *SKIN
DISEASES, drug therapy/ STAPHYLOCOCCAL
INFECTIONS, drug therapy
545. Carr TE, Harrison GE, Nolan J: The long-term excretion and retention of an intravenous dose of ⁴⁵Ca in two healthy men.
Calcif Tissue Res 12:217-26, 1973
AGED/ CALCIUM, analysis/ CALCIUM, blood/
*CALCIUM, metabolism/ CALCIUM, urine/
CALCIUM RADIOISOTOPES/ FECES, analysis/
GLOMERULAR FILTRATION RATE/ HUMAN/
INJECTIONS, INTRAVENOUS/ MALE/
MIDDLE AGE/ SKIN, metabolism/ TIME
FACTORS
546. Carraway R, Leeman SE: The isolation of a new hypotensive peptide, neurotensin, from bovine hypothalam. J Biol Chem 248:6854-61, 10 Oct 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ AMINO ACID
SEQUENCE/ AMINO ACIDS, analysis/
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CATTLE/ CHROMATOGRAPHY,
ION EXCHANGE/ CYANOSIS, chemically
induced/ DANSYL COMPOUNDS/
ELECTROPHORESIS, PAPER/ FEMALE/ GEL
FILTRATION/ HYPOPHYSECTOMY/
*HYPOTHALAMUS, analysis/ MOLECULAR
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pharmacodynamics/ PITUITARY GLAND,
physiology/ RATS/ SALIVA, secretion/
VASODILATOR AGENTS, analysis/
*VASODILATOR AGENTS, isolation &
purification/ VASODILATOR AGENTS,
pharmacodynamics
547. Carretero OA, Enzmann G, Polomski C, et al: Role of the adrenal glands in the development of severe hypertension. Circ Res 33:516-20, Nov 73
*ADRENAL GLANDS, physiopathology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
AORTA, ABDOMINAL/ BLOOD PRESSURE/
DESOXYCORTICOSTERONE, administration &
dosage/ DESOXYCORTICOSTERONE,
pharmacodynamics/ HYDROCORTISONE,
administration & dosage/ HYDROCORTISONE,
pharmacodynamics/ *HYPERTENSION,
etiology/ HYPERTENSION, physiopathology/
INJECTIONS, SUBCUTANEOUS/ ISCHEMIA,
physiopathology/ KIDNEY, blood supply/
LIGATION/ MALE/ NEPHRECTOMY/ RATS/
RENIN, blood
548. Carroll EJ, Jain NC, Schalm OW, et al: Experimentally induced coliform mastitis: inoculation of udders with serum-sensitive and serum-resistant organisms.
Am J Vet Res 34:1143-6, Sep 73
AEROBACTER AEROGENES, isolation &
purification/ ANIMAL EXPERIMENTS/
*BLOOD BACTERICIDAL ACTIVITY/
CATTLE/ ENTEROBACTERIACEAE
INFECTIONS, immunology/
ENTEROBACTERIACEAE INFECTIONS,
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INFECTIONS, veterinary/ ESCHERICHIA
COLI, isolation & purification/ ESCHERICHIA
COLI INFECTIONS, immunology/
ESCHERICHIA COLI INFECTIONS,
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INFECTIONS, veterinary/ FEMALE/
KLEBSIELLA, isolation & purification/
KLEBSIELLA INFECTIONS, immunology/
KLEBSIELLA INFECTIONS, microbiology/
KLEBSIELLA INFECTIONS, veterinary/
LACTATION/ LEUKOCYTE COUNT/
*MASTITIS, BOVINE, immunology/ *MASTITIS,
BOVINE, microbiology/ MILK, cytology/ MILK,
microbiology/ PREGNANCY/ *UDDER/
VIRULENCE
549. Carroll KK, Hamilton RM, Macleod GK: Plasma cholesterol levels in suckling and weaned calves, lambs, pigs, and colts. Lipids 8:635-40, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANIMAL NUTRITION/ *CATTLE, physiology/
CHOLESTEROL, analysis/ *CHOLESTEROL,
blood/ CHOLESTEROL, DIETARY, analysis/
COLOSTRUM/ DIETARY FATS, analysis/
FEMALE/ *HORSES, physiology/ LACTATION/
LIPIDS, analysis/ MALE/ MILK/ MILK,
analysis/ PREGNANCY/ SEX FACTORS/
*SHEEP, physiology/ SPECIES SPECIFICITY/
*SWINE, physiology/ TIME FACTORS/
WEANING
550. Carson FL: Acid phosphatase staining in the histopathology laboratory.
Am J Med Technol 39:333-7, Sep 73
*ACID PHOSPHATASE, analysis/ BIOPSY/
DIAGNOSIS, DIFFERENTIAL/ HUMAN/
LYMPH NODES, pathology/ METHODS/
OVARIAN NEOPLASMS, diagnosis/
PROSTATE, pathology/ PROSTATIC
NEOPLASMS, diagnosis/ STAINS AND
STAINING
551. Carson RA: Digital artery thrombosis and vasculitis in juvenile rheumatoid arthritis.
Can Med Assoc J 109:384-6, 1 Sep 73
ARTERIES/ *ARTERITIS, etiology/
*ARTHRITIS, JUVENILE RHEUMATOID,
complications/ ARTHRITIS, JUVENILE
RHEUMATOID, drug therapy/
AZATHIOPRINE, therapeutic use/ BLOOD
VESSELS/ CHILD, PRESCHOOL/ FEMALE/
GANGRENE, drug therapy/ GANGRENE,
etiology/ HUMAN/ INFLAMMATION/
PREDNISONE, therapeutic use/
SALICYLATES, therapeutic use/
*THROMBOSIS, etiology/ *THUMB, blood
supply
552. Carsten ME: Prostaglandins and cellular calcium transport in the pregnant human uterus.
Am J Obstet Gynecol 117:824-32, 15 Nov 73
ADENOSINE TRIPHOSPHATASE, analysis/
ADENOSINE TRIPHOSPHATE, metabolism/
AZIDES, pharmacodynamics/ BIOLOGICAL
TRANSPORT/ BISHYDROXYCOUMARIN,
pharmacodynamics/ CALCIUM, analysis/
CALCIUM, antagonists & inhibitors/
*CALCIUM, metabolism/ CENTRIFUGATION,
DENSITY GRADIENT/ CHLORIDES,
pharmacodynamics/ FEMALE/ HUMAN/ IN
VITRO/ LABOR/ MICROSCOPY, ELECTRON/
MUSCLE CONTRACTION/ *PREGNANCY/
*PROSTAGLANDINS, physiology/ PROTEIN
BINDING/ SARCOPLASMIC RETICULUM,
metabolism/ SODIUM/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION/ SULFHYDRYL REAGENTS,
pharmacodynamics/ UTERUS, enzymology/
*UTERUS, metabolism

AUTHOR SECTION

553. Carter DC, Karim SM, Bhana D, et al: Proceedings: inhibition of human gastric secretion by orally or intravenously administered prostaglandin 16, 16 dimethyl-E2 methyl ester. Br J Surg 60:912, Nov 73
ADMINISTRATION, ORAL/ *GASTRIC JUICE, secretion/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ PENTAGASTRIN, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ SECRETORY RATE, drug effects
554. Carter DC, Karim SM, Bhana D, et al: Inhibition of human gastric secretion by prostaglandin. Br J Surg 60:828-31, Oct 73
ADMINISTRATION, ORAL/ DEPRESSION, CHEMICAL/ *GASTRIC JUICE, secretion/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ MALE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ SECRETORY RATE, drug effects
555. Carter SK: Current status of new agents. Cancer Chemother Rep [Suppl] 3:33-47, May 72
ALOPECIA, chemically induced/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ AZACYTIDINE, therapeutic use/ AZAGUANINE, therapeutic use/ CARMUSTINE, therapeutic use/ CYCLOHEXANE, therapeutic use/ DRUG COMBINATIONS, therapeutic use/ HEART, drug effects/ LEUKEMIA L1210, drug therapy/ NITROSOUREA COMPOUNDS, administration & dosage/ PLATINUM, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION
556. Carter SK: An overview of the status of the nitrosoureas in other tumors. Cancer Chemother Rep [Suppl] 4:35-46, May 73 (4 ref.)
ADENOCARCINOMA, drug therapy/ ALKYLATING AGENTS, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ CARCINOMA, drug therapy/ CARCINOMA, BRONCHOGENIC, drug therapy/ *CARMUSTINE, therapeutic use/ CYCLOHEXANE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DRUG THERAPY, COMBINATION/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ HYDROXYUREA, therapeutic use/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, drug therapy/ LYMPHOMA, drug therapy/ MELANOMA, drug therapy/ MELPHALAN, therapeutic use/ MULTIPLE MYELOMA, drug therapy/ *NITROSOUREA COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ REVIEW/ VINCRIStINE, therapeutic use
557. Casillas ER: Accumulation of carnitine by bovine spermatozoa during maturation in the epididymis. J Biol Chem 248:8227-32, 10 Dec 73
ACETIC ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CARNITINE, administration & dosage/ CARNITINE, analysis/ *CARNITINE, metabolism/ CATTLE/ CHLORATES/ CHROMATOGRAPHY, THIN LAYER/ EPIDIDYMISt/ EPIDIDYMISt, anatomy & histology/ *EPIDIDYMISt, metabolism/ EPIDIDYMISt, physiology/ FATTY ACIDS, analysis/ MALE/ OXYGEN CONSUMPTION/ SOLUBILITY/ SPERMATOZOA, growth & development/ *SPERMATOZOA, metabolism/ TESTIS
558. Caspersen LS: Complications of pelvic operation following abdominoperineal resection. Trans Pac Coast Obstet Gynecol Soc 40:124-8, 1973
ADHESIONS, etiology/ ADULT/ AGED/ *COLITIS, ULCERATIVE, surgery/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ *HYSTERECTOMY/ *INTESTINAL NEOPLASMS, surgery/ MIDDLE AGE/ OVARY, surgery/ *POSTOPERATIVE COMPLICATIONS/ UTERUS, blood supply
559. Caspi E, Shapiro AG: Letter: Treatment of inadequate luteal phase. Obstet Gynecol 42:627, Oct 73
ADULT/ CORPUS LUTEUM, drug effects/ FEMALE/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ *STERILITY, FEMALE, drug therapy
560. Cassileth PA, Myers AR: Erythroid aplasia in systemic lupus erythematosus. Am J Med 55:706-10, Nov 73
ANEMIA, APLASTIC, drug therapy/ *ANEMIA, APLASTIC, etiology/ BONE MARROW CELLS/ CASE REPORT/ FEMALE/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MIDDLE AGE/ PREDNISONE, therapeutic use
561. Castells S, Addo N, Kwateng K: In vitro effects of ACTH on uridine incorporation into rapidly labelled adrenal RNA of normal and dexamethasone-suppressed rats. Steroids 22:171-83, Aug 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ CYTOPLASM, metabolism/ *DEXAMETHASONE, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ MALE/ RATS/ *RNA, biosynthesis/ TIME FACTORS/ TRITIUM/ *URIDINE, metabolism
562. Castle MC, Lage GL: Metabolism and distribution of digitoxin in the rat. Arch Int Pharmacodyn Ther 203:323-34, Jun 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DIGITOXIN, metabolism/ *DIGITOXIN, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MYOCARDIUM, metabolism/ RATS/ TRITIUM
563. Catalanotto FA, Moss JL: Manual and oral stereognosis in children with cleft palate, gonadal dysgenesis, pseudohypoparathyroidism, oral facial digital syndrome and Kallman's syndrome. Arch Oral Biol 18:1227-32, Oct 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ ANOSMIA/ CHILD/ *CLEFT PALATE, physiopathology/ COLOR BLINDNESS/ EUNUCHISM, physiopathology/ FEMALE/ HUMAN/ *HYPOGONADISM, physiopathology/ MALE/ *MENTAL RETARDATION, familial & genetic/ OROFACIODIGITAL SYNDROME, physiopathology/ *PSEUDOHYPOPARATHYROIDISM, physiopathology/ SEX CHROMOSOME ABNORMALITIES, physiopathology/ *STEREOGNOSIS/ TOUCH/ *TURNER'S SYNDROME, physiopathology
564. Catravas GN, McFarland WL, Teitelbaum H: Neurochemical changes in specific regions of rat brain during different phases of conditioning. Physiol Behav 11:359-63, Sep 73
*ACETYLCHOLINESTERASE, metabolism/ *ACETYLTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CEREBELLUM, enzymology/ CHOLINE, metabolism/ *CONDITIONING (PSYCHOLOGY)/ DRINKING BEHAVIOR/ EXTINCTION (PSYCHOLOGY)/ HIPPOCAMPUS, enzymology/ HOUSING, ANIMAL/ HYPOTHALAMUS, enzymology/ MALE/ *MONOAMINE OXIDASE, metabolism/ RATS/ REWARD/ *RNA POLYMERASE, metabolism
565. Catsoulacos P, Boutis L: Antitumor activity of a homo-aza-steroidal ester of (p-(bis(2-chloroethyl)amino)phenyl)acetic acid (NSC-71964). Cancer Chemother Rep 57:365-7, Sep-Oct 73
*ANGIOSARCOMA, drug therapy/ ANIMAL

AUTHOR SECTION

- EXPERIMENTS/ ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ AZA COMPOUNDS, adverse effects/ *AZA COMPOUNDS, therapeutic use/ BONE MARROW DISEASES, chemically induced/ CYCLOPHOSPHAMIDE, therapeutic use/ ESTERS, adverse effects/ ESTERS, therapeutic use/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ LETHAL DOSE 50/ *MELANOMA, drug therapy/ MICE/ NEOPLASMS, EXPERIMENTAL, drug therapy/ NITROGEN MUSTARD COMPOUNDS, adverse effects/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PHENYLACETATES, adverse effects/ *PHENYLACETATES, therapeutic use/ RATS/ SPLENIC DISEASES, chemically induced/ STEROIDS, adverse effects/ TIME FACTORS
566. Cattanaach BM, Moseley H: Nodisjunction and reduced fertility caused by the tobacco mouse metacentric chromosomes. *Cytogenet Cell Genet* 12:264-87, 1973
ANIMAL EXPERIMENTS/ CELL COUNT/ *CHROMOSOME ABERRATIONS/ CORPUS LUTEUM/ CROSSING OVER (GENETICS)/ HYBRIDIZATION/ LINKAGE (GENETICS)/ *MEIOSIS/ MICE/ MICE, INBRED C3H/ MICE, INBRED STRAINS/ NIDATION/ ORGAN WEIGHT/ RECOMBINATION, GENETIC/ SPERMATOGENESIS/ *STERILITY, MALE, familial & genetic/ TESTIS, anatomy & histology
567. Catto GR, McIntosh JA, Macleod M: Partial body neutron activation analysis in vivo: a new approach to the investigation of metabolic bone disease. *Phys Med Biol* 18:508-17, Jul 73
*ACTIVATION ANALYSIS/ BONE AND BONES, analysis/ *BONE DISEASES, metabolism/ CALCIUM, analysis/ FEMALE/ HAND, analysis/ HUMAN/ IODIDES/ MALE/ NEUTRONS/ RADIATION DOSAGE/ SODIUM/ TECHNOLOGY, MEDICAL
568. Caughey DE, Wakem CJ: A fatal case of Reiter's disease complicated by amyloidosis. *Arthritis Rheum* 16:895-700, Sep-Oct 73
ADOLESCENCE/ *AMYLOIDOSIS, complications/ AMYLOIDOSIS, surgery/ BRONCHOPNEUMONIA, etiology/ CASE REPORT/ COLECTOMY/ COLONIC DISEASES, surgery/ CONJUNCTIVITIS, etiology/ DIARRHEA, etiology/ FOOT DERMATOSES, etiology/ HUMAN/ INTESTINAL DISEASES, complications/ INTESTINAL OBSTRUCTION, etiology/ JOINT DISEASES, complications/ MALE/ MELENA, etiology/ PREDNISONE, therapeutic use/ *REITER'S DISEASE, complications/ REITER'S DISEASE, drug therapy/ REMISSION/ SKIN DISEASES, complications/ URETHRITIS, etiology
569. Cazenave JP, Gagnon JA, Girouard E, et al: Autoimmune hemolytic anemia terminating seven years later in Hodgkin's disease. *Can Med Assoc J* 109:748-9 passim, 20 Oct 73
*ANEMIA, HEMOLYTIC, AUTOIMMUNE, complications/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, surgery/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES, etiology/ BLOOD TRANSFUSION/ BONE MARROW, pathology/ COOMBS' TEST/ FEMALE/ *HODGKIN'S DISEASE, etiology/ HODGKIN'S DISEASE, pathology/ HUMAN/ IGG, administration & dosage/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RECURRENCE/ SPLENECTOMY
570. Ceccarelli FE: Combined transpyeloureterostomy and ipsilateral pyeloureterostomy and orchopexy by testicular artery transection: treatment in a case of prune belly syndrome. *J Urol* 110:596-8, Nov 73
*ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ARTERIES, surgery/ CRYPTORCHISM, surgery/ HUMAN/ KIDNEY, surgery/ MALE/ METHODS/ NEPHRECTOMY/ *TESTIS, abnormalities/ TESTIS, blood supply/ *URINARY DIVERSION/ *UROGENITAL SYSTEM, abnormalities
571. Cejka V, Bleijenberg AJ, Bosch NB, et al: Insulin secretion, adrenal activity and glucose tolerance in acute myocardial infarction. *Neth J Med* 16:189-99, 1973
ACUTE DISEASE/ *ADRENAL GLANDS, physiology/ ADULT/ AGED/ FEMALE/ *GLUCOSE, metabolism/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, secretion/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, physiology
572. Cerný Z: Léčení tularémie. *Vnitř Lek* 19:836-40, Sep 73 (Cze)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *TULAREMIA, drug therapy
573. Chait A: Secondary hyperlipidaemia. *J Clin Pathol [Suppl]* 5:Suppl 5:68-71, 1973 (32 ref.)
ALCOHOLISM, complications/ ARTERIOSCLEROSIS, etiology/ CONTRACEPTIVES, ORAL, adverse effects/ DIABETES MELLITUS, complications/ ENDOCRINE DISEASES, complications/ ESTROGENS, adverse effects/ FEMALE/ GOUT, complications/ HUMAN/ HYPERLIPIDEMIA, chemically induced/ HYPERLIPIDEMIA, complications/ HYPERLIPIDEMIA, diagnosis/ *HYPERLIPIDEMIA, etiology/ HYPERLIPIDEMIA, therapy/ HYPOTHYROIDISM, complications/ KIDNEY FAILURE, CHRONIC, complications/ LIVER CIRRHOSIS, OBSTRUCTIVE, complications/ MALE/ REVIEW/ TIME FACTORS
574. Challand GS, Chard T: Quality control in a radioimmunoassay: observations on the operation of a semi-automated assay for human placental lactogen. *Clin Chim Acta* 46:133-8, 28 Jun 73
AUTOANALYSIS/ DRUG STABILITY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ METHODS/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ QUALITY CONTROL/ RADIOIMMUNOASSAY/ REGRESSION ANALYSIS/ TIME FACTORS
575. Challis JR, Harrison FA, Heap RB: The metabolic clearance rate, production rate and conversion ratios of oestrone in the sheep. *J Endocrinol* 58:435-46, Sep 73
ANIMAL EXPERIMENTS/ CAROTID ARTERIES/ CHROMATOGRAPHY, THIN LAYER/ ERYTHROCYTES, metabolism/ ESTRADIOL, biosynthesis/ ESTRADIOL, blood/ ESTRONE, blood/ *ESTRONE, metabolism/ FEMALE/ HEAD/ INJECTIONS, INTRAVENOUS/ JUGULAR VEIN/ METABOLIC CLEARANCE RATE/ PREGNANCY/ SHEEP, metabolism/ TIME FACTORS/ TRITIUM
576. Chambaz EM, Defaye G, Madani C: Trimethyl silyl ether-enol-trimethyl silyl ether-a new type of derivative for the gas phase study of hormonal steroids. *Anal Chem* 46:1090-8, Jun 73
ADRENAL CORTEX HORMONES, analysis/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, GAS/ HUMAN/ HYDROXYSTERIODS, analysis/ INDICATORS AND REAGENTS/ KETOSTEROIDS, analysis/ METHODS/ *METHYL ETHERS/ NUCLEAR MAGNETIC RESONANCE/ *SILICON/ SPECTRUM ANALYSIS, MASS/ *STEROIDS, analysis
577. Chamberlain R: Letter: Social disadvantage. *Lancet* 2:1037-8, 3 Nov 73
CHILD HEALTH SERVICES/ CHILD, PRESCHOOL/ DISEASES IN TWINS/ FOLLOW-UP STUDIES/ GREAT BRITAIN/ *HEALTH SURVEYS/ HUMAN/ INFANT/ INFANT, PREMATURE, DISEASES, occurrence/ NUTRITION DISORDERS,

AUTHOR SECTION

- occurrence/ PLACENTA DISORDERS/
PREGNANCY/ SOCIOECONOMIC FACTORS
8. Chambers VE, Denny WA, Evans JM, et al:
Microbiological hydroxylation of steroids. 8. The
pattern of monohydroxylation of diketones and
keto-alcohols derived from 5 alpha-androstane with
cultures of the fungus, *Rhizopus nigricans*.
J Chem Soc [Perkin I] 14:1500-11, 1973
*ALCOHOLS, metabolism/ *ANDROSTANES/
BINDING SITES/ CELLS, CULTURED,
analysis/ HYDROXYLATION/ *KETONES,
metabolism/ OXIDATION-REDUCTION/
*RHIZOPUS, metabolism/
STRUCTURE-ACTIVITY RELATIONSHIP
9. Chamness GC, Jennings AW, McGuire WL: Oestrogen
receptor binding is not restricted to target nuclei.
Nature 241:458-60, 16 Feb 73
ANIMAL EXPERIMENTS/ BINDING SITES/
CELL FRACTIONATION/ CELL-FREE
SYSTEM/ *CELL NUCLEUS, metabolism/
CENTRIFUGATION, DENSITY GRADIENT/
*ESTRADIOL, metabolism/ FEMALE/ LIVER,
cytology/ LIVER, metabolism/ NEOPLASMS,
EXPERIMENTAL, metabolism/ RATS/
*RECEPTORS, HORMONE/ SPLEEN, cytology/
SPLEEN, metabolism/ STOMACH, cytology/
STOMACH, metabolism/ TRITIUM/ UTERUS,
cytology/ UTERUS, metabolism
10. Champredon C, Plon R: Influence de la teneur en urée
du régime sur l'aminocidémie libre de chèvre en
lactation.
Ann Biol Anim Biochim Biophys 12:307-20, 1972 (Fre)
*AMINO ACIDS, blood/ AMINO ACIDS,
metabolism/ AMINO ACIDS, ESSENTIAL,
blood/ AMINO ACIDS, ESSENTIAL,
metabolism/ ANIMAL EXPERIMENTS/
ANIMAL FEED/ ANIMAL NUTRITION/
BLOOD SUGAR, metabolism/ BODY WEIGHT/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ENGLISH ABSTRACT/ FEMALE/ *GOATS,
metabolism/ LACTATION/ LIPIDS,
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PROTEINS, metabolism/ NITROGEN/
NITROGEN, metabolism/ NUTRITIONAL
REQUIREMENTS/ TIME FACTORS/ UDDER,
metabolism/ UREA, administration & dosage/
UREA, blood/ *UREA, pharmacodynamics
11. Chan MM, Rucker RB, Zeman F, et al: Effect of fluoride
on bone formation and strength in Japanese quail.
J Nutr 103:1431-40, Oct 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANIMAL NUTRITION/ BONE AND BONES,
cytology/ *BONE AND BONES, metabolism/
BONE AND BONES, physiology/ BONE AND
BONES, radiography/ BONE DEVELOPMENT/
CALCIUM, metabolism/ CALCIUM,
pharmacodynamics/ *CALCIUM, DIETARY,
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RADIOISOTOPES/ DEFICIENCY DISEASES,
metabolism/ DRUG SYNERGISM/ FEMUR/
*FLUORIDES, pharmacodynamics/ FLUORINE,
metabolism/ MAGNESIUM, metabolism/
PHOSPHORUS, metabolism/
PYROPHOSPHATASES, metabolism/ *QUAIL,
metabolism/ STRESS, MECHANICAL/
TETRACYCLINE/ TIBIA
12. Chan MS, Elrich FR, Hamilton JB: Calcification and
decalcification rates in vitro. A new technique.
Proc Soc Exp Biol Med 143:919-24, Sep 73
ADULT/ BONE AND BONES, physiology/
*CALCIFICATION, PHYSIOLOGIC/
CALCINOSIS/ CARTILAGE, physiology/
DECALCIFICATION, PATHOLOGIC/ DENTIN,
physiology/ EDTA/ HUMAN/ LACTATES/
MATHEMATICS/ METHODS/ *MODELS,
BIOLOGICAL/ TIME FACTORS
13. Chan PS, Black CT, Williams BJ: Separation of cyclic
3',5'-AMP from ATP, ADP, and 5'-AMP by
precipitation with inorganic compounds.
Anal Biochem 55:16-25, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, isolation & purification/
*ADENOSINE DIPHOSPHATE, isolation &
purification/ *ADENOSINE MONOPHOSPHATE,
isolation & purification/ *ADENOSINE
TRIPHOSPHATE, isolation & purification/
BARIUM/ CARBON RADIOISOTOPES/
CARBONATES/ CHLORIDES/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ EVALUATION
STUDIES/ IODINE/ METHODS/ NITRATES/
PHOSPHORUS RADIOISOTOPES/ SILVER/
SODIUM/ SOLUBILITY/ SULFATES/
TRITIUM/ ZINC
584. Chan WF, Sinnathuray TA, Rahman MG: Value of total
urinary estrogen assays in the management of
toxic pregnancies in Malaysian women.
Int Surg 58:784-6, Nov-Dec 73
BLOOD PRESSURE/ EDEMA/ *ESTROGENS,
urine/ FEMALE/ FETAL DEATH/
GESTATIONAL AGE/ HUMAN/ INFANT,
PREMATURE/ MALAYSIA/
MATERNAL-FETAL EXCHANGE/ METHODS/
MONITORING SYSTEMS/ PREGNANCY/
*PREGNANCY TOXEMIAS, urine/ PRENATAL
DIAGNOSIS/ PROTEINURIA
585. Chanarin I, England JM, Hoffbrand AV: Significance of
large red blood cells. Br J Haematol 25:351-8, Sep 73
ANEMIA, APLASTIC, blood/ ANEMIA,
MACROCYTIC, blood/ *ANEMIA,
MACROCYTIC, diagnosis/ ANEMIA,
SIDEROBLASTIC, blood/ BONE MARROW
EXAMINATION/ *ERYTHROCYTES, cytology/
*ERYTHROPOIESIS/ FOLIC ACID, blood/
FOLIC ACID DEFICIENCY, diagnosis/
HEMATOCRIT/ HUMAN/ LACTOBACILLUS/
LACTOBACILLUS CASE/ METHODS/
MYXEDEMA, blood/ VITAMIN B 12, blood/
VITAMIN B 12 DEFICIENCY, diagnosis
586. Chandler JA: Recent developments in analytical
electron microscopy.
J Microsc (Oxf) 98:359-78, Aug 73
HISTOLOGICAL TECHNIQS/ HUMAN/ MALE/
METHODS/ *MICROSCOPY, ELECTRON/
MICROSCOPY, ELECTRON, instrumentation/
MINERALS, analysis/ PITUITARY GLAND,
analysis/ SPECTRUM ANALYSIS/
SPERMATOZOA, analysis/ STOMACH
NEOPLASMS, metabolism/ TECHNOLOGY,
RADIOLOGIC
587. Chandola A, Thapliyal JP: Gonadal hormones and
thyroid function in the spotted muntia, *Lonchura
punctulata*. Gen Comp Endocrinol 21:305-13, Oct 73
AMINO ACIDS, metabolism/ ANIMAL
EXPERIMENTS/ *BIRDS, physiology/
CASTRATION/ ESTRADIOL,
pharmacodynamics/ FEMALE/ IODINE,
metabolism/ IODINE RADIOISOTOPES/
MALE/ *OVARY, physiology/
PROTEIN-BOUND IODINE TEST/ SEASONS/
*TESTIS, physiology/ TESTOSTERONE,
pharmacodynamics/ THYROID GLAND, drug
effects/ THYROID GLAND, metabolism/
*THYROID GLAND, physiology
588. Chang N: Effect of castration at birth on the
ultrastructure of gonadotrophs in immature male
rats. Zentralbl Veterinärmed [C] 2:1-10, Mar 73
ANIMAL EXPERIMENTS/ *CASTRATION/
FSH, metabolism/ *GONADOTROPINS,
PITUITARY, metabolism/ LH, metabolism/
MALE/ PITUITARY GLAND, anatomy &
histology/ *PITUITARY GLAND, cytology/
RATS/ TESTIS, anatomy & histology/ TESTIS,
physiology
589. Chapel HM, Batchelor JR: Rosette inhibition test in
severely burned patients. Br Med J 4:385-8, 17 Nov 73
ALANINE AMINOTRANSFERASE, urine/
ALKALINE PHOSPHATASE, urine/
ASPARTATE AMINOTRANSFERASE, urine/
BURNS, blood/ *BURNS, immunology/ BURNS,
urine/ HUMAN/ HYDROCORTISONE/
*IMMUNE ADHERENCE REACTION/ IMMUNE
SERUMS/ IMMUNOSUPPRESSION/
*LYMPHOCYTES, immunology/ POTASSIUM,
urine/ SHEEP, immunology/ SODIUM, urine
590. Chapman DI, Marcroft J: Studies on the metabolism of

AUTHOR SECTION

- sympathomimetic amines. The metabolism of (plus or minus)-(14C)noradrenaline in the horse.
Xenobiotica 3:389-97, Jun 73
- ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY,
PAPER/ CHROMATOGRAPHY, THIN LAYER/
DANSYL COMPOUNDS/ GLYCOLS, urine/
HALF-LIFE/ *HORSES, metabolism/
INJECTIONS, INTRAVENOUS/ ISOMERISM/
MANDELIC ACID, urine/
METHOXYHYDROXYPHENYL GLYCOL, urine/
NOREPINEPHRINE, administration & dosage/
*NOREPINEPHRINE, blood/
NOREPINEPHRINE, metabolism/
NOREPINEPHRINE, urine/ PHENOLS, urine/
TIME FACTORS
591. Chapman L, Burrows-Pearkin R, Jowett TP, et al: The normal serum cystine aminopeptidase (CAP) range in pregnancy. Clin Chim Acta 47:89-92, 17 Aug 73
*AMINOPEPTIDASES, blood/ CYSTINE/
FEMALE/ HUMAN/ OXYTOCINASE, blood/
*PREGNANCY/ REGRESSION ANALYSIS/
TIME FACTORS
592. Charro AL, Hofeldt FD, Becker N, et al: Adrenocortical function in acromegaly. Am J Med Sci 266:211-8, Sep 73
*ACROMEGALY, physiopathology/ *ADRENAL
GLANDS, physiopathology/ ADULT/ AGED/
CARBON RADIOISOTOPES/ CORTICOTROPIN,
diagnostic use/ CREATININE, urine/
DEPRESSION, CHEMICAL/
DEXAMETHASONE, diagnostic use/ FEMALE/
GLUCOSE, administration & dosage/
HALF-LIFE/ HUMAN/ HYDROCORTISONE,
secretion/ HYDROCORTISONE, urine/
17-HYDROXYCORTICOSTEROIDS, urine/
17-KETOSTEROIDS, urine/ MALE/
METYRAPONE, diagnostic use/ MIDDLE AGE/
*PITUITARY-ADRENAL FUNCTION TESTS/
SOMATOTROPIN, blood/ TIME FACTORS
593. Chase CA, Murphy EA: Risk of recurrence and carrier frequency for X-linked lethal recessives.
Hum Hered 23:19-28, 1973
FEMALE/ *GENE FREQUENCY/ *GENES,
LETHAL/ *GENES, RECESSIVE/ GENETIC
COUNSELING/ GENOTYPE/ HUMAN/
LINKAGE (GENETICS)/ MALE/
PROBABILITY/ *SEX CHROMOSOMES/
STATISTICS
594. Chase TN: Central monoamine metabolism in man. Effect of putative dopamine receptor agonists and antagonists. Arch Neurol 29:349-51, Nov 73
ADULT/ *BRAIN, metabolism/ *CENTRAL
NERVOUS SYSTEM DISEASES, metabolism/
CHOREA, HEREDITARY, metabolism/
*DOPAMINE, metabolism/ EXTRAPYRAMIDAL
DISORDERS, metabolism/ *HALOPERIDOL,
pharmacodynamics/ HOMOVANILLIC ACID,
cerebrospinal fluid/ HUMAN/
HYDROXYINDOLEACETIC ACID, cerebrospinal
fluid/ MUSCULAR DISEASES, metabolism/
PARKINSONISM, metabolism/ *PIPERAZINES,
pharmacodynamics/ PROBENECID,
pharmacodynamics/ RECEPTORS, DRUG/
*SEROTONIN, metabolism
595. Chase TN, Gordon EK, Ng LK: Norepinephrine metabolism in the central nervous system of man: studies using 3-methoxy-4-hydroxyphenylethylene glycol levels in cerebrospinal fluid.
J Neurochem 21:581-7, Sep 73
ADOLESCENCE/ ADULT/ AGED/
ANTIHYPERTENSIVE AGENTS,
pharmacodynamics/ CARBON
RADIOISOTOPES/ CEREBROSPINAL FLUID,
drug effects/ CHILD/ CHOREA,
HEREDITARY, cerebrospinal fluid/
CHROMATOGRAPHY, GAS/ DOPA,
pharmacodynamics/ DOPAMINE, cerebrospinal
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DEFORMANS, cerebrospinal fluid/ FEMALE/
*GLYCOLS, cerebrospinal fluid/
HOMOVANILLIC ACID, cerebrospinal fluid/
HUMAN/ HYDROXYINDOLEACETIC ACID,
cerebrospinal fluid/ MALE/
METHOXYHYDROXYPHENYL GLYCOL,
cerebrospinal fluid/ METHYLTYROSINES,
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MONGOLISM, cerebrospinal fluid/
*NOREPINEPHRINE, cerebrospinal fluid/
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PARKINSONISM, cerebrospinal fluid/
PICOLINIC ACIDS, pharmacodynamics/
PROBENECID, pharmacodynamics/
SEROTONIN, cerebrospinal fluid/ SPINAL
CORD DISEASES, cerebrospinal fluid/ TIME
FACTORS
596. Chase TN, Holden EM, Brody JA: Levodopa-induced dyskinesias. Comparison in Parkinsonism-dementia and amyotrophic lateral sclerosis.
Arch Neurol 29:323-33, Nov 73
ADULT/ AGED/ *AMYOTROPHIC LATERAL
SCLEROSIS, drug therapy/ AMYOTROPHIC
LATERAL SCLEROSIS, pathology/
*DEMENTIA, PRESENILE, etiology/ DOPA,
administration & dosage/ *DOPA, adverse
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HUMAN/ MALE/ METHYLDOPAHYDRAZINE,
therapeutic use/ MIDDLE AGE/ *MOVEMENT
DISORDERS, chemically induced/
PARKINSONISM, complications/
*PARKINSONISM, drug therapy/
PARKINSONISM, pathology
597. Chasin LA: The effect of ploidy on chemical mutagenesis in cultured Chinese hamster cells.
J Cell Physiol 82:299-307, Oct 73
*ALKANES, pharmacodynamics/ ALKYLATING
AGENTS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CELL LINE/ *DIPLOIDY/
DRUG RESISTANCE/ FEMALE/ GENES,
RECESSIVE/ GLYCINE, pharmacodynamics/
HAMSTERS/ HYBRID CELLS, drug effects/
HYBRID CELLS, enzymology/
HYBRIDIZATION/ HYPOXANTHINES/
MUTATION/ OVARY, drug effects/ OVARY,
enzymology/ PENTOSYLTRANSFERASES,
analysis/ PHENOTYPE/ *POLYPLOIDY/
*SULFONIC ACIDS, pharmacodynamics/
THIOGUANINE, pharmacodynamics/ TIME
FACTORS
598. Chatelain C, Boureau M, Kote G van: Méga urèthre et aplasie des corps érectiles.
J Urol Nephrol (Paris) 79:385-96, Jun 73 (Fre)
ABNORMALITIES, MULTIPLE/ ANUS,
IMPERFORATE/ BLADDER, abnormalities/
CASE REPORT/ CRYPTORCHISM/ ENGLISH
ABSTRACT/ HUMAN/ INFANT, NEWBORN/
KIDNEY, abnormalities/ MALE/ *PENIS,
abnormalities/ PENIS, pathology/ URETER,
abnormalities/ *URETHRA, abnormalities/
URETHRA, pathology
599. Chatterton RT Jr, Chien J: Effect of administered 20 beta-hydroxysteroid dehydrogenase on serum progesterone in the rat. Steroids 22:485-92, Oct 73
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ CORTICOSTERONE, blood/ ESTRUS/
FEMALE/ HYDROXYSTEROID
DEHYDROGENASES, administration & dosage/
HYDROXYSTEROID DEHYDROGENASES,
blood/ *HYDROXYSTEROID
DEHYDROGENASES, pharmacodynamics/
INJECTIONS, INTRAPERITONEAL/
INJECTIONS, INTRAVENOUS/
*PROGESTERONE, blood/ RATS/
STREPTOMYCIN, enzymology/ TIME
FACTORS/ VAGINA, cytology
600. Chaturvedi AK, Parmar SS: Selective inhibition of nicotinamide adenine dinucleotide dependent oxidations by piperazinothiureas.
Biochem Pharmacol 22:2355-6, 15 Sep 73
ANIMAL EXPERIMENTS/ BRAIN, drug
effects/ BRAIN, metabolism/ CITRATES,
metabolism/ HYDROXYBUTYRATES,
metabolism/ IN VITRO/ ISOCITRATES,
metabolism/ KETOGLUTARIC ACID,
metabolism/ MALE/ *NAD, antagonists &
inhibitors/ OXIDATION-REDUCTION/
*PIPERAZINES, pharmacodynamics/
PYRUVATES, metabolism/ RATS/
STRUCTURE-ACTIVITY RELATIONSHIP/
SUCCINATES, metabolism/ *THIOUREA,
pharmacodynamics

AUTHOR SECTION

01. Chaudhry AP, Shah RM: Estimation of hydrocortisone dose and optimal gestation period for cleft palate induction in golden hamsters.
Teratology 8:139-42, Oct 73
ANIMAL EXPERIMENTS/ *CLEFT PALATE, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GESTATIONAL AGE/ *HAMSTERS/ *HYDROCORTISONE, administration & dosage/ PREGNANCY/ TIME FACTORS
02. Cheema S, Soldin SJ, Knapp A, et al: Properties of purified quinonoid dihydropterin reductase.
Can J Biochem 51:1229-39, Sep 73
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ ANTIMETABOLITES, pharmacodynamics/ BRAIN, enzymology/ CATTLE/ CHLOROMERCURIBENZOATES, pharmacodynamics/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ DANSYL COMPOUNDS/ ELECTROPHORESIS, DISC/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LIVER, drug effects/ LIVER, enzymology/ MOLECULAR WEIGHT/ *NADH, NADPH OXIDOREDUCTASES, analysis/ NADH, NADPH OXIDOREDUCTASES, isolation & purification/ NADH, NADPH OXIDOREDUCTASES, metabolism/ ORGAN SPECIFICITY/ PTERINS/ QUINONES/ SHEEP/ SPECIES SPECIFICITY/ ULTRACENTRIFUGATION
03. Chen L, Lindner HR, Lancet M: Mitogenic action of oestradiol-17 beta on human myometrial and endometrial cells in long-term tissue cultures.
J Endocrinol 59:87-97, Oct 73
CELLS, CULTURED/ CLONE CELLS/ DNA, biosynthesis/ *ENDOMETRIUM, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FETUS/ HUMAN/ IN VITRO/ LEIOMYOMA/ MIDDLE AGE/ *MITOGENS/ MITOSIS, drug effects/ MUSCLES, drug effects/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ UTERINE NEOPLASMS/ *UTERUS, drug effects
04. Cheng HC, Long JP: Effects of d- and l-amphetamine on 5-hydroxytryptamine receptors.
Arch Int Pharmacodyn Ther 204:124-31, Jul 73
AMPHETAMINE, antagonists & inhibitors/ *AMPHETAMINE, pharmacodynamics/ ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CINNAMATES, pharmacodynamics/ COCAINE, pharmacodynamics/ DEXTRO AMPHETAMINE, antagonists & inhibitors/ *DEXTRO AMPHETAMINE, pharmacodynamics/ DOGS/ IN VITRO/ METATARSUS, blood supply/ MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ OPTICAL ROTATION/ PHENTOLAMINE, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, DRUG, drug effects/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, physiology/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFIDES, pharmacodynamics
05. Cheng KW, Glazer AN, Pierce JG: The effects of modification of the COOH-terminal regions of bovine thyrotropin and its subunits.
J Biol Chem 248:7930-7, 25 Nov 73
AMINO ACIDS, analysis/ BIOLOGICAL ASSAY/ CARBOXYPEPTIDASES/ CATTLE/ CHICKENS/ CIRCULAR DICHROISM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL DIFFUSION TESTS/ LH/ LH, pharmacodynamics/ MACROMOLECULAR SYSTEMS/ OVULATION, drug effects/ *PEPTIDES/ PHOSPHORUS, metabolism/ PHOSPHORUS RADIOISOTOPES/ PROTEIN CONFORMATION/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYROID GLAND, drug effects/ THYROTROPIN, analysis/ THYROTROPIN, metabolism/ *THYROTROPIN, physiology
606. Cheng SC, Harding BW: Substrate-induced difference spectral, electron paramagnetic resonance, and enzymatic properties of cholesterol-depleted mitochondrial cytochrome P-450 of bovine adrenal cortex. J Biol Chem 248:7263-71, 25 Oct 73
ACETONE/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CHOLESTEROL, administration & dosage/ *CHOLESTEROL, pharmacodynamics/ *CYTOCHROME P-450, metabolism/ DESOXYCORTICOSTERONE, pharmacodynamics/ DRUG RESISTANCE, MICROBIAL/ DRUG SYNERGISM/ ELECTRON SPIN RESONANCE/ ELECTRON TRANSPORT/ 17-HYDROXYCORTICOSTEROIDS, administration & dosage/ 17-HYDROXYCORTICOSTEROIDS, pharmacodynamics/ HYDROXYLATION/ HYDROXYPRENENOLONE, pharmacodynamics/ IRON/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ OXIDATION-REDUCTION/ PRENENOLONE, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SURFACE-ACTIVE AGENTS, pharmacodynamics
607. Chepkir LP, Malluk VI, Belebez'ev GI: Sostolanie simpatno-adrenalovoi sistemy u bol'nykh mitral'nym stenozom, operirovannykh s primeneniem razlichnykh vidov ingallatsionnogo narkoza.
Klin Khir 1:26-9, Jan 73 (Rus)
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiopathology/ *ANESTHESIA, INHALATION/ ANESTHETICS/ HUMAN/ *MITRAL VALVE, surgery/ MITRAL VALVE STENOSIS, physiopathology/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology
608. Cheremisinov GA: Gormonal'naya regulatsiya funktsii laichnikov u korov. Veterinarlia 11:34-7, Nov 72 (Rus)
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/ *GONADOTROPINS, physiology/ OVARY, anatomy & histology/ OVARY, drug effects/ *OVARY, physiology
609. Cherniavskaya GF: Funktsional'noe sostolanie kory nadpochechnikov u bol'nykh khronicheskim gastritom s sekretornoj nedostatochnost'iu.
Vrach Delo 7:69-72, Jul 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENAL GLANDS, physiopathology/ ADULT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, secretion/ GASTRITIS, drug therapy/ *GASTRITIS, physiopathology/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ SECRETORY RATE
610. Chew PC, Cheah JS, Chan LK, et al: Hyperthyroidism in pregnancy: a study of 37 pregnancies in 34 patients. Singapore Med J 14:95-8, Jun 73
ADOLESCENCE/ ADULT/ BIRTH WEIGHT/ FEMALE/ FETAL DEATH, occurrence/ HUMAN/ HYPERTENSION, complications/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, occurrence/ INFANT, NEWBORN/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, occurrence/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ SINGAPORE/ THYROID ANTAGONISTS, therapeutic use/ THYROXINE, therapeutic use
611. Chi JY: [Interaction among prostaglandins, nerves and hormones] Chin Med J 9:558-62, 1973 (27 ref.) (Chi)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, physiology/ CORTICOTROPIN, physiology/ GUINEA PIGS/ *HORMONES, physiology/ *NERVOUS SYSTEM, physiology/ *PROSTAGLANDINS, physiology/ RATS/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, physiology/ THYROTROPIN, physiology
612. Chiasson RB, Egge AS, Lynch B Jr: The effect of

AUTHOR SECTION

- Ketalar on the adrenal gland of young White Leghorn cockerels. Poult Sci 52:1014-8, May 73
ADRENAL GLANDS, anatomy & histology/
*ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ *CHICKENS/ INJECTIONS,
INTRAMUSCULAR/ KETAMINE, administration
& dosage/ *KETAMINE, pharmacodynamics/
MALE/ ORGAN WEIGHT/ TIME FACTORS
613. Chihai HJ, Espey LL: Utilization of the relaxed symphysis pubis of guinea pigs for clues to the mechanism of ovulation.
Endocrinology 93:1441-5, Dec 73
ANIMAL EXPERIMENTS/ COLLAGEN,
analysis/ FEMALE/ FIBROBLASTS/ GUINEA
PIGS/ MICROSCOPY, ELECTRON/
*OVULATION/ PUBIC SYMPHYSIS, analysis/
*PUBIC SYMPHYSIS, cytology/ PUBIC
SYMPHYSIS, drug effects/ RELAXIN,
pharmacodynamics
614. Chin C, Warren JC: Purification of estradiol-17 beta dehydrogenase from human placenta by affinity chromatography. Steroids 22:373-8, Sep 73
BINDING SITES/ CHROMATOGRAPHY,
AFFINITY/ DIAMINES/ ELECTROPHORESIS,
DISC/ ESTRADIOL/ ESTRIOL/ FEMALE/
HUMAN/ HYDROXYLAMINES/
*HYDROXYSTEROID DEHYDROGENASES,
isolation & purification/ METHODS/
*PLACENTA, enzymology/
POLYSACCHARIDES/ PREGNANCY/
SUCCINATES
615. Chinoy NJ, Sheth KM, Shah VC: A comparative histophysiological study on the normal, castrated and testosterone-treated levator ani muscle of rodents. Acta Endocrinol (Kbh) 74:389-98, Oct 73
ACID PHOSPHATASE, metabolism/
ALKALINE PHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ *CASTRATION/
COMPARATIVE STUDY/
GLUCOSEPHOSPHATE DEHYDROGENASE,
metabolism/ GUINEA PIGS/ LACTATE
DEHYDROGENASE, metabolism/ MALE/
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enzymology/ MUSCLES, pathology/ PELVIS,
drug effects/ PELVIS, enzymology/ PELVIS,
pathology/ RATS/ SUCCINATE
DEHYDROGENASE, metabolism/
*TESTOSTERONE, pharmacodynamics
616. Chiricuță I, Popescu V, Ordeanu A: Mezoplicatura Childs-Phillips.
Chirurgia (Bucur) 22:769-76, Sep 73 (Rum)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
GASTROINTESTINAL NEOPLASMS, surgery/
HUMAN/ INTESTINAL OBSTRUCTION,
prevention & control/ *INTESTINAL
OBSTRUCTION, surgery/ MALE/
*MESENTERY, surgery/ METHODS/ MIDDLE
AGE/ OVARIAN NEOPLASMS, surgery/
PEPTIC ULCER, surgery/ TUBERCULOSIS,
FEMALE GENITAL, surgery
617. Chiswick ML, Ahmed A, Jack PM, et al: Control of fetal lung development in the rabbit.
Arch Dis Child 48:709-13, Sep 73
ADRENAL CORTX HORMONES, physiology/
ANIMAL EXPERIMENTS/ BRAIN, physiology/
CELLULAR INCLUSIONS/ CORTICOTROPIN,
pharmacodynamics/ FEMALE/ GESTATIONAL
AGE/ GLUCOCORTICOID, therapeutic use/
INJECTIONS, SUBCUTANEOUS/ LUNG,
cytology/ *LUNG, embryology/ PREGNANCY/
RABBITS/ RESPIRATORY DISTRESS
SYNDROME, drug therapy/ SPIROMETRY/
SURFACE-ACTIVE AGENTS
618. Chomiczewski K: Dynamics of development of late pathomorphologic changes in the endocrine glands (hypophysis, thyroid, adrenals) after X-irradiation of newborn mice with sublethal doses.
Folia Biol (Krakow) 21:153-67, 1973
*ADRENAL GLANDS, pathology/ ADRENAL
GLANDS, radiation effects/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
FEMALE/ MALE/ MICE/ MICE, INBRED A/
*PITUITARY GLAND, pathology/ PITUITARY
GLAND, radiation effects/ RADIATION
- DOSAGE/ *RADIATION EFFECTS/ SEX
FACTORS/ *THYROID GLAND, pathology/
THYROID GLAND, radiation effects/ TIME
FACTORS
619. Chopra DP: Regulation of mitosis in the embryonic kidney (Xenopus laevis) by kidney growth inhibitor (cibalone). Natl Cancer Inst Monogr 38:189-96, Jul 73
ANIMAL EXPERIMENTS/ CELL DIVISION/
CELLS, CULTURED/ *CHALONES,
pharmacodynamics/ COMPARATIVE STUDY/
DEMECOLCINE/ EMBRYO/ EPINEPHRINE,
pharmacodynamics/ HYDROCORTISONE,
pharmacodynamics/ IMMUNE SERUMS/
KIDNEY, drug effects/ KIDNEY, immunology/
*KIDNEY, metabolism/ LARVA/ *MITOSIS,
drug effects/ RABBITS, immunology/ RATS/
XENOPUS
620. Chopra IJ, Chopra U, Orgiazzi J: Abnormalities of hypothalamo-hypophyseal-thyroid axis in patients with Graves' ophthalmopathy.
J Clin Endocrinol Metab 37:955-67, Dec 73
ADULT/ AGED/ DEXAMETHASONE,
diagnostic use/ FEMALE/ GOITER,
EXOPHTHALMIC, blood/ *GOITER,
EXOPHTHALMIC, physiotherapy/ HUMAN/
*HYPOTHALAMUS, physiotherapy/ IODINE
ISOTOPES, DIAGNOSTIC/ LONG-ACTING
THYROID STIMULATOR, blood/ MALE/
MIDDLE AGE/ *PITUITARY GLAND,
physiotherapy/ *THYROID GLAND,
physiotherapy/ THYROTROPIN, blood/
THYROTROPIN RELEASING HORMONE,
diagnostic use/ THYROXINE, blood/
TRIIODOTHYRONINE, blood
621. Chowers I, Conforti N, Siegel R, et al: Effect of acute neurogenic stress on hypothalamic corticotropin-releasing factor content.
Isr J Med Sci 9:1056-8, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CEREBRAL CORTEX, metabolism/
CORTICOSTERONE, biosynthesis/
CORTICOTROPIN, biosynthesis/
*CORTICOTROPIN RELEASING HORMONE,
metabolism/ *HYPOTHALAMUS, metabolism/
MALE/ METHODS/ RATS/ *STRESS,
metabolism
622. Chretien JH, Garagusi VF: Correction of corticosteroid-induced defects of polymorphonuclear neutrophil function by ascorbic acid.
J Reticuloendothel Soc 14:280-6, Sep 73
*ADRENAL CORTX HORMONES, adverse
effects/ ADRENAL CORTX HORMONES,
therapeutic use/ ADULT/ AGED/ *ASCORBIC
ACID, pharmacodynamics/ FEMALE/ HUMAN/
LATEX PARTICLES/ MALE/ MIDDLE AGE/
*NEUTROPHILS, drug effects/
OXIDATION-REDUCTION/ *PHAGOCYTOSIS,
drug effects/ TETRAZOLIUM SALTS,
metabolism
623. Chretien M, Gilardeau C: Purification and partial chemical characterization of sheep neurophysin.
Acta Endocrinol (Kbh) 74:228-36, Oct 73
AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ AUTOANALYSIS/
CHROMATOGRAPHY, ION EXCHANGE/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ GEL FILTRATION/ IMMUNE SERUMS/
*NEUROPHYSINS, analysis/ NEUROPHYSINS,
isolation & purification/ PITUITARY GLAND,
POSTERIOR, analysis/ RADIOIMMUNOASSAY/
SHEEP/ SWINE, immunology/
ULTRACENTRIFUGATION
624. Christensen AL, Nielsen J: Psychological studies of ten patients with the XYY syndrome.
Br J Psychiatry 123:219-21, Aug 73
ADOLESCENCE/ ADULT/ AGGRESSION/
ATTITUDE/ COGNITION/ CONFLICT
(PSYCHOLOGY)/ EMOTIONS/ HUMAN/
INTELLIGENCE/ LEARNING/ MALE/
*MENTAL DISORDERS, complications/
PROJECTIVE TECHNIQS/ RORSCHACH TEST/
*SEX CHROMOSOME ABNORMALITIES,
complications

AUTHOR SECTION

625. Christle BR, Waxler GL: Experimental colihacillosis in gnotobiotic body plgs. II. Pathology. Can J Comp Med 37:271-80, Jul 73
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ BLADDER, pathology/ ESCHERICHIA COLI INFECTIONS, etiology/ ESCHERICHIA COLI INFECTIONS, pathology/ *ESCHERICHIA COLI INFECTIONS, veterinary/ ESOPHAGUS, pathology/ FEMALE/ *GERM-FREE LIFE/ INTESTINE, LARGE, pathology/ INTESTINE, SMALL, pathology/ KIDNEY, pathology/ LUNG, pathology/ LYMPH NODES, pathology/ MALE/ SPLEEN, pathology/ STOMACH, pathology/ SWINE/ SWINE DISEASES, etiology/ *SWINE DISEASES, pathology/ TRACHEA, pathology/ UMBILICUS, pathology
626. Christoffersen T, Morland J, Osnes JB, et al: Development of cyclic AMP metabolism in rat liver. A correlative study of tissue levels of cyclic AMP, accumulation of cyclic AMP in slices, adenylate cyclase activity and cyclic nucleotide phosphodiesterase activity. Blochim Biophys Acta 313:338-49, 28 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ AGING/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ FEMALE/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ IN VITRO/ KINETICS/ LIVER, drug effects/ LIVER, enzymology/ LIVER, growth & development/ *LIVER, metabolism/ MALE/ *PHOSPHODIESTERASES, metabolism/ PREGNANCY/ RATS/ TIME FACTORS/ TRITIUM
627. Christov K, Bollmann R, Thomas C: Ultimobranchial follicles and cysts in the rat thyroid during postnatal development. Beltr Pathol 149:47-59, May 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELL NUCLEUS/ DEPRESSION, CHEMICAL/ EPITHELIAL CELLS, cytology/ HISTOCYTOCHEMISTRY/ MALE/ *METHYLTHIOURACIL, pharmacodynamics/ RATS/ STAINS AND STAINING/ STIMULATION, CHEMICAL/ THYROID GLAND, cytology/ *THYROID GLAND, growth & development/ THYROID GLAND, metabolism/ *THYROTROPIN, physiology/ TIME FACTORS/ ULTIMOBRANCHIAL BODY, cytology/ *ULTIMOBRANCHIAL BODY, growth & development
628. Christov K, Raichev R: Proliferative and neoplastic changes in the ovaries of hamsters treated with 131-iodine and methylthiouracil. Neoplasia 20:511-6, May 73
ANIMAL EXPERIMENTS/ CARCINOGENS/ *CELL DIVISION, drug effects/ CELL DIVISION, radiation effects/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CELL TRANSFORMATION, NEOPLASTIC, radiation effects/ DRUG SYNERGISM/ GRANULOSA CELL TUMOR, chemically induced/ HAMSTERS/ *IODINE RADIOISOTOPES, pharmacodynamics/ *METHYLTHIOURACIL, pharmacodynamics/ NEOPLASMS, RADIATION-INDUCED/ OVARIAN NEOPLASMS, chemically induced/ TIME FACTORS
629. Christy NE, Lall P: Postoperative endophthalmitis following cataract surgery. Effects on subconjunctival antibiotics and other factors. Arch Ophthalmol 90:361-6, Nov 73
ANTIBIOTICS, administration & dosage/ BACITRACIN, administration & dosage/ *CATARACT EXTRACTION, adverse effects/ COMPARATIVE STUDY/ CONJUNCTIVA/ CORNEA/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ MALE/ METHODS/ MIDDLE AGE/ NEOMYCIN, administration & dosage/ OINTMENTS, administration & dosage/ OPHTHALMIA, drug therapy/ *OPHTHALMIA, etiology/ OPHTHALMIA, prevention & control/ PAKISTAN/ PILOCARPINE, administration & dosage/ POLYMYXIN, administration & dosage/ *POSTOPERATIVE COMPLICATIONS, etiology/ POSTOPERATIVE COMPLICATIONS, prevention & control/ SCLERA/ SUTURES
630. Chu LL, Edelman IS: Cordycepin and alpha-amanitin: inhibitors of transcription as probes of aldosterone action. J Membr Biol 10:291-310, 29 Dec 72
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BLADDER, cytology/ BLADDER, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ CELL NUCLEOLUS, enzymology/ CELL NUCLEUS, enzymology/ CYTOPLASM, enzymology/ *DEOXYADENOSINE, pharmacodynamics/ EPITHELIAL CELLS, metabolism/ KIDNEY, cytology/ KIDNEY, drug effects/ KIDNEY, enzymology/ *KIDNEY, metabolism/ MALE/ MUSHROOMS/ *MYCOTOXINS, pharmacodynamics/ *OLIGOPEPTIDES, pharmacodynamics/ PEPTIDES, CYCLIC, pharmacodynamics/ RATS/ RNA POLYMERASE, antagonists & inhibitors/ RNA POLYMERASE, metabolism/ SODIUM, metabolism/ *TRANSCRIPTION, GENETIC, drug effects/ TRITIUM
631. Chu LL, MacGregor RR, Liu PI, et al: Biosynthesis of parathyroid hormone and parathyroid hormone by human parathyroid glands. J Clin Invest 52:3089-94, Dec 73
AMINO ACID SEQUENCE/ AMINO ACIDS, metabolism/ CHROMATOGRAPHY/ HUMAN/ KINETICS/ MALE/ PARATHYROID GLANDS, analysis/ *PARATHYROID GLANDS, metabolism/ PARATHYROID HORMONE, analysis/ *PARATHYROID HORMONE, biosynthesis/ PROTEIN PRECURSORS, analysis/ PROTEIN PRECURSORS, biosynthesis/ RADIOIMMUNOASSAY/ TRITIUM
632. Churchill PC, Churchill MC, McDonald FD: Renin release in anesthetized rats. Kidney Int 4:273-9, Oct 73
ANGIOTENSIN, biosynthesis/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ DEPRESSION, CHEMICAL/ DIET, SALT-FREE/ FUROSEMIDE, pharmacodynamics/ GLOMERULAR FILTRATION RATE/ KIDNEY, blood supply/ KIDNEY, drug effects/ *KIDNEY, secretion/ KIDNEY CONCENTRATING ABILITY/ MALE/ MANNITOL, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ REGIONAL BLOOD FLOW/ RENIN, blood/ *RENIN, secretion/ SECRETORY RATE, drug effects/ SODIUM, urine/ SODIUM CHLORIDE, pharmacodynamics/ STIMULATION, CHEMICAL/ VASOPRESSIN, pharmacodynamics/ WATER, urine
633. Churchill PC, Gala RR: Renin in anesthetized rats. Proc Soc Exp Biol Med 143:1018-21, Sep 73
ANESTHESIA, INTRAVENOUS/ ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ DIURESIS/ FEMALE/ *KIDNEY, enzymology/ MALE/ PENTOBARBITAL/ RATS/ RENIN, blood/ *RENIN, secretion/ SECRETORY RATE
634. Churý Z: Vliv časné postnatální androgenizace krysčích samiček na vznik syndromu podobného progerii po dihydrotachysterolu. Cesk Patol 9:159-64, Aug 73 (Cze)
*ANDROGENS, administration & dosage/ ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ *DIHYDROTACHYSTEROL/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ *LH-FSH RELEASING HORMONE, administration & dosage/ LH-FSH RELEASING HORMONE, pharmacodynamics/

AUTHOR SECTION

- *PROGERIA, chemically induced/ RATS/
SYNDROME/ TIME FACTORS
635. Cicala V: Errore di regime alimentare.
Minerva Med 64:3436-51, 22 Sep 73 (Ita)
ANEURYSM, etiology/ ARTERIOSCLEROSIS,
etiology/ BLOOD COAGULATION DISORDERS,
etiology/ CARBOHYDRATES, metabolism/
*CARDIOVASCULAR DISEASES, etiology/
CEREBROVASCULAR DISORDERS, etiology/
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DISEASE, etiology/ DIABETES MELLITUS,
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FATS, adverse effects/ *ENDOCRINE
DISEASES, complications/ GANGRENE,
etiology/ GOUT, complications/ HUMAN/
HYPERCHOLESTEREMIA, complications/
HYPERLIPEMIA, complications/ LIPIDS,
metabolism/ LIPOPROTEINS, blood/
*METABOLIC DISEASES, complications/
OBESITY, complications
636. Claereboudt E, Vanwelkenhuyzen P: L'avenir du cancer
prostatique traité par oestrogénotherapie.
Acta Urol Belg 41:427-31, Jul 73 (Fre)
AGED/ ENGLISH ABSTRACT/ *ESTROGENS,
therapeutic use/ EVALUATION STUDIES/
HUMAN/ MALE/ MIDDLE AGE/ *PROSTATIC
NEOPLASMS, drug therapy
637. Clark BF: Uptake and metabolism of
(1,2-3H)progesterone injected intraluminally into the
uteri of spayed mice. J Endocrinol 58:555-62, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/
CHROMATOGRAPHY/ ESTRADIOL,
metabolism/ FEMALE/ HALF-LIFE/
INJECTIONS/ MICE/ MUSCLES, metabolism/
PREGNANEDIOL, metabolism/ PREGNANES,
metabolism/ PROGESTERONE, administration
& dosage/ *PROGESTERONE, metabolism/
TIME FACTORS/ TRITIUM/ *UTERUS,
metabolism/ VAGINA, metabolism
638. Clark ER, Evans JG, Jordan VC: Anti-oestrogenic
activity in compounds related to ethamoxitriphenol
(MER 25), clomiphene and MRL 37.
Br J Pharmacol 48:345P, Jun 73
*ALCOHOL, ETHYL, pharmacodynamics/
ANIMAL EXPERIMENTS/ CASTRATION/
*CLOMIPHENE, pharmacodynamics/
DIETHYLAMINES, pharmacodynamics/
ESTRADIOL, antagonists & inhibitors/
ESTRADIOL, metabolism/ *ESTROGENS,
antagonists & inhibitors/ FEMALE/ MICE/
ORGAN WEIGHT/ OVARY, physiology/
*PHENYL ETHERS, pharmacodynamics/ RATS/
STILBENES, pharmacodynamics/ UTERUS,
drug effects/ UTERUS, metabolism/ VAGINA,
drug effects/ XYLENE, pharmacodynamics
639. Clarke RL, Van Dyk G: A new method for measurement
of bone mineral content using both transmitted and
scattered beams of gamma-rays.
Phys Med Biol 18:532-9, Jul 73
*BONE AND BONES, analysis/
DENSITOMETRY/ HUMAN/ MATHEMATICS/
*RADIATION/ RADIATION DOSAGE/
RADIOMETRY/ SCATTERING, RADIATION
640. Classen M, Stürzenhocker P, Koch H, et al: The effect
of prostaglandin E1 on the secretion and the motility
of the human stomach.
Acta Hepatogastroenterol (Stuttg) 20:159-62, Mar-Apr
73
ADULT/ GASTRIC ACIDITY
DETERMINATION/ *GASTRIC JUICE,
secretion/ *GASTRIC MUCOSA, drug effects/
GASTROINTESTINAL MOTILITY,
drug effects/ HUMAN/ INJECTIONS,
INTRAVENOUS/ MALE/ *PROSTAGLANDINS,
pharmacodynamics/ PYLORIC ANTRUM, drug
effects/ STIMULATION, CHEMICAL
641. Cleghorn JM: Endocrine spotlights on brain and
behaviour. Can Psychiatr Assoc J 18:449-51, Oct 73
ACOUSTIC STIMULATION/ ADRENAL
CORTEX HORMONES, secretion/ ANIMAL
EXPERIMENTS/ *CENTRAL NERVOUS
SYSTEM DISEASES, physiopathology/
CORTICOSTERONE, secretion/ ELECTRIC
STIMULATION/ *HORMONES, physiology/
HORMONES, secretion/ HYPOTHALAMUS,
physiology/ MONKEYS/ NEURAL
TRANSMISSION/ PROLACTIN, secretion/
RATS/ SOMATOTROPIN, secretion/ *STRESS,
PSYCHOLOGICAL
642. Clément F: Le lupus érythémateux disséminé. De
l'étiopathogénie au traitement dit
"immunosuppresseur".
Schweiz Med Wochenschr 103:1369-77, 6 Oct 73 (Fre)
ADOLESCENCE/ ADULT/ ANTIBODY
FORMATION/ AZATHIOPRINE, therapeutic
use/ DRUG THERAPY, COMBINATION/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*IMMUNOSUPPRESSIVE AGENTS, therapeutic
use/ LUPUS ERYTHEMATOSUS, SYSTEMIC,
drug therapy/ *LUPUS ERYTHEMATOSUS,
SYSTEMIC, etiology/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, immunology/
MALE/ MELPHALAN, therapeutic use/
METHOTREXATE, therapeutic use/ MIDDLE
AGE/ PREDNISONE, therapeutic use
643. Cleveland BR, Lawhon J, Cunningham PJ:
Pheochromocytoma simulating toxemia of pregnancy.
Tex Med 69:70-3, Sep 73
*ADRENAL GLAND NEOPLASMS,
complications/ ADRENAL GLAND
NEOPLASMS, diagnosis/ ADULT/ DIAGNOSIS,
DIFFERENTIAL/ FEMALE/ HUMAN/
HYPERTENSION, complications/
*PHEOCHROMOCYTOMA, complications/
PHEOCHROMOCYTOMA, diagnosis/
PHEOCHROMOCYTOMA, therapy/
PREGNANCY TOXEMIAS, complications/
*PREGNANCY TOXEMIAS, diagnosis
644. Clifford JR, Echols DH: Extrasellar extension of a
pituitary adenoma in a patient with a normal-sized
sella turcica and impaired vision from an atheromatous
carotid artery. Case report.
J Neurosurg 39:398-401, Sep 73
*ADENOMA, CHROMOPHOBE, complications/
ADENOMA, CHROMOPHOBE, pathology/
ADENOMA, CHROMOPHOBE, radiography/
ADENOMA, CHROMOPHOBE, surgery/
ADULT/ *ARTERIOSCLEROSIS, complications/
ARTERIOSCLEROSIS, surgery/ *CAROTID
ARTERY DISEASES, complications/ CAROTID
ARTERY DISEASES, surgery/ FEMALE/
HEMIANOPSIA, etiology/ HUMAN/ OPTIC
NERVE/ *PITUITARY NEOPLASMS,
complications/ PITUITARY NEOPLASMS,
pathology/ PITUITARY NEOPLASMS,
radiography/ PITUITARY NEOPLASMS,
surgery/ SCOTOMA, etiology/ SELLA
TURCICA, radiography/ *VISION DISORDERS,
etiology
645. Clot JP, Baudry M, Michel R: Influence de la
thyroïdectomie sur les activités enzymatiques des
mitochondries hépatiques de rat.
Biochimie 55:451-6, 1973 (Fre)
ANIMAL EXPERIMENTS/ CYTOCHROME C/
CYTOCHROME OXIDASE, metabolism/
ENGLISH ABSTRACT/ GLUTAMATE
DEHYDROGENASE, metabolism/
HYDROXYLASES, metabolism/ KYNURENINE/
MEMBRANES, enzymology/ MITOCHONDRIA,
LIVER, drug effects/ *MITOCHONDRIA,
LIVER, enzymology/ MONOAMINE OXIDASE,
metabolism/ OXIDATIVE PHOSPHORYLATION,
drug effects/ PHOSPHOTRANSFERASES,
metabolism/ RATS/ SUCCINATE
DEHYDROGENASE, metabolism/ *THYROID
GLAND, physiology/ THYROIDECTOMY/
THYROXINE, pharmacodynamics
646. Cocola F, Genazzani AR, Neri P: New
radioimmunoassay technique using second antibody
to solid phase applied to assays of human chorionic
somatomammotropin.
J Nucl Biol Med 17:14-21, Jan-Mar 73
ABORTION, THREATENED, blood/ FEMALE/
*GONADOTROPINS, CHORIONIC, blood/
HUMAN/ METHODS/ PREGNANCY/
*RADIOIMMUNOASSAY

AUTHOR SECTION

47. Cocola F, Tarli P, Genazzani AR, et al: Comparison of human chorionic somatomammotropin (HCS) standards for radioimmunoassay.
J Nucl Biol Med 17:22-4, Jan-Mar 73
COMPARATIVE STUDY/ FEMALE/
*GONADOTROPINS, CHORIONIC, standards/
HUMAN/ PREGNANCY/
*RADIOIMMUNOASSAY
48. Coffey JC: Steroid metabolism by mouse submaxillary glands. I. In vitro metabolism of testosterone and 4-androstene-3,17-dione. Steroids 22:247-57, Aug 73
ANDROSTANES, biosynthesis/
ANDROSTENEDIONE, biosynthesis/
*ANDROSTENEDIONE, metabolism/
ANDROSTERONE, biosynthesis/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, THIN LAYER/
CRYSTALLIZATION/ HYDROXYSTERIODS,
biosynthesis/ MALE/ MICE/ NADP/
OXIDATION-REDUCTION/ *SUBMANDIBULAR
GLAND, metabolism/ TESTOSTERONE,
biosynthesis/ *TESTOSTERONE, metabolism/
TIME FACTORS/ TRITIUM
49. Coffey JC: In vitro progesterone metabolism in rat submaxillary gland: the formation of 20 alpha-hydroxy-4-pregnen-3-one and other substances. Steroids 22:561-6, Oct 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, THIN LAYER/
CRYSTALLIZATION/ FEMALE/
PREGNANEDIONES, biosynthesis/
PREGNENEDIONES, biosynthesis/
PROGESTERONE, biosynthesis/
*PROGESTERONE, metabolism/ RATS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*SUBMANDIBULAR GLAND, metabolism/
TRITIUM
50. Coffey RG, Middleton E Jr: Release of histamine from rat mast cells by lysosomal cationic proteins. Possible involvement of adenylate cyclase and adenosine triphosphatase in pharmacologic regulation.
Int Arch Allergy Appl Immunol 45:593-611, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
analysis/ *ADENOSINE TRIPHOSPHATASE,
isolation & purification/ *ADENYL CYCLASE,
isolation & purification/ ANIMAL
EXPERIMENTS/ *CATECHOLAMINES,
pharmacodynamics/ CORTICOSTERONE,
pharmacodynamics/ *DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ EPINEPHRINE,
pharmacodynamics/ *GLUCOCORTICOIDS,
pharmacodynamics/ *HISTAMINE
LIBERATION, drug effects/
HYDROCORTISONE, pharmacodynamics/
ISOPROTERENOL, pharmacodynamics/
LYSOSOMES, enzymology/ MAST CELLS,
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CELLS, immunology/ NOREPINEPHRINE,
pharmacodynamics/ PREDNISOLONE,
pharmacodynamics/ PREDNISON, pharmacodynamics/
RABBITS/ RATS
51. Cognat M, Rosenberg D, David L, et al: Laparoscopy in infants and adolescents.
Obstet Gynecol 42:515-21, Oct 73
ABNORMALITIES, diagnosis/ ADOLESCENCE/
AGE FACTORS/ AMENORRHEA, diagnosis/
FEMALE/ *GYNECOLOGIC DISEASES,
diagnosis/ HERMAPHRODITISM, diagnosis/
HUMAN/ INFANT/ *LAPAROSCOPY/
METHODS/ OVARIAN CYSTS, diagnosis/
PUBERTY, PRECOCIOUS, diagnosis/
STEIN-LEVENTHAL SYNDROME, diagnosis/
TURNER'S SYNDROME, diagnosis/ UTERUS,
abnormalities
52. Cohen BE, Cohen IK: Vitamin A: adjuvant and steroid antagonist in the immune response.
J Immunol 111:1376-80, Nov 73
*ADJUVANTS, IMMUNOLOGIC/ ANIMAL
EXPERIMENTS/ *ANTIBODY FORMATION,
drug effects/ ANTIBODY PRODUCING CELLS,
drug effects/ ANTIGENS/ CARRIER
PROTEINS/ DINITROPHENOLS/
ERYTHROCYTES, immunology/ FEMALE/
HAPTENS/ HEMOLYTIC PLAQUE TECHNIC/
*HYDROCORTISONE, antagonists & inhibitors/
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MICE, INBRED C57BL/ MICE, INBRED CBA/
OVALBUMIN/ PRECIPITIN TESTS/ SHEEP,
immunology/ SPLEEN, cytology/ SPLEEN,
immunology/ TRITIUM/ *VITAMIN A,
pharmacodynamics
453. Cohen EP, Patt DJ, Conrad AH, et al: The involvement of repletive DNA in the antibody response.
Ann NY Acad Sci 207:83-103, 31 May 73
ANIMAL EXPERIMENTS/ *ANTIBODY
FORMATION/ ANTIGEN-ANTIBODY
REACTIONS/ CHICKENS, immunology/ DNA,
isolation & purification/ *DNA, physiology/
*ERYTHROCYTES, immunology/ GENETIC
CODE/ HYBRIDIZATION/ HYDROCORTISONE,
pharmacodynamics/ IMMUNITY, CELLULAR/
IMMUNIZATION/ IMMUNOGENETICS/
INJECTIONS, INTRAPERITONEAL/ ISOTOPE
LABELING/ MICE/ RNA, biosynthesis/ RNA,
isolation & purification/ RNA, physiology/
SHEEP, immunology/ SPLEEN, immunology/
THYMUS GLAND, immunology
454. Cohen M, Sztokalo J, Hinsch E: The antihypertensive action of arachidonic acid in the spontaneous hypertensive rat and its antagonism by anti-inflammatory agents. Life Sci 13:317-25, 16 Aug 73
ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS,
pharmacodynamics/ *ARACHIDONIC ACID,
pharmacodynamics/ ASPIRIN,
pharmacodynamics/ *BLOOD PRESSURE, drug
effects/ COMPARATIVE STUDY/ *HEART
RATE, drug effects/ INDOMETHACIN,
pharmacodynamics/ MALE/
PHENYLBUTAZONE, pharmacodynamics/
*PROSTAGLANDINS, pharmacodynamics/ RATS
455. Cohen N, Banner BL, Blount JF, et al: Steroid total synthesis. X. Optically active estrone precursors and racemic equilenin methyl ether.
J Org Chem 38:3229-39, 21 Sep 73
*ESTRANES, chem synthesis/ *ESTRONE,
chem synthesis/ HYDROXYSTERIODS, chem
synthesis/ *17-KETOSTEROIDS,
chem synthesis/ METHYL ETHERS, chem
synthesis/ OPTICAL ROTATORY
DISPERSION/ SPECTROPHOTOMETRY,
ULTRAVIOLET
456. Cohen SL, MacIntyre I, Grahame-Smith D, et al: Alcohol-stimulated calcitonin release in medullary carcinoma of the thyroid. Lancet 2:1172-3, 24 Nov 73
ADULT/ ALCOHOL, ETHYL, adverse effects/
*ALCOHOL, ETHYL, pharmacodynamics/
*CALCITONIN, blood/ CALCITONIN,
secretion/ *CARCINOMA, blood/
CARDIOVASCULAR SYSTEM, drug effects/
DIARRHEA, chemically induced/
EPINEPHRINE, administration & dosage/
EPINEPHRINE, pharmacodynamics/ HUMAN/
INJECTIONS, INTRAVENOUS/ MALE/
NOREPINEPHRINE, administration & dosage/
NOREPINEPHRINE, pharmacodynamics/
PROSTAGLANDINS, blood/ THYROID GLAND,
drug effects/ *THYROID NEOPLASMS, blood/
THYROID NEOPLASMS, diagnosis
457. Cohn ML, Taylor F, Cohn M, et al: Dibutyryl cyclic AMP—an effective antidote against lethal amounts of amobarbital in the rat.
Res Commun Chem Pathol Pharmacol 6:435-46, Sep 73
*AMOBARBITAL, antagonists & inhibitors/
AMOBARBITAL, toxicity/ ANIMAL
EXPERIMENTS/ BEHAVIOR, ANIMAL, drug
effects/ *DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ LETHAL DOSE 50/
MALE/ RATS/ REGRESSION ANALYSIS
458. Cole DF, Nagasubramanian S: Substances affecting active transport across the ciliary epithelium and their possible role in determining intraocular pressure. Exp Eye Res 16:251-64, 10 Aug 73
ALCOHOL, ETHYL, pharmacodynamics/
ANIMAL EXPERIMENTS/ AQUEOUS HUMOR,
physiology/ BIOLOGICAL TRANSPORT,
ACTIVE, drug effects/ *CATECHOLAMINES,

AUTHOR SECTION

- pharmacodynamics/ CELL MEMBRANE PERMEABILITY, drug effects/ CILIARY BODY, drug effects/ *CILIARY BODY, metabolism/ CILIARY BODY, physiology/ CONSTRICTION/ EPITHELIUM, metabolism/ HUMAN/ *INTRAOCULAR PRESSURE/ INTRAOCULAR PRESSURE, drug effects/ ISOPROTERENOL, pharmacodynamics/ LYSINE/ MALE/ MOLECULAR WEIGHT/ NOREPINEPHRINE, pharmacodynamics/ PHLORETIN, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *VASOPRESSIN, pharmacodynamics/ VASOPRESSIN, physiology
659. Cole EN, Boyns AR: Radioimmunoassay for human pituitary prolactin, using antiserum against an extract of human amniotic fluid. *Horm Res* 4:261-73, 1973
*AMNIOTIC FLUID, immunology/ BINDING SITES, ANTIBODY/ CHLORPROMAZINE, pharmacodynamics/ COMPARATIVE STUDY/ CROSS REACTIONS/ EVALUATION STUDIES/ FEMALE/ FSH/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYPOPHYSECTOMY/ IODINE RADIOISOTOPES/ LH/ MALE/ METHODS/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ PREGNANCY/ *PROLACTIN, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SOMATOTROPIN/ SPECIES SPECIFICITY/ THYROTROPIN
660. Cole ER, Crank G: Tryptamines. 3. The estimation of melatonin in blood serum. *Biochem Med* 8:37-43, Aug 73
HUMAN/ *MELATONIN, blood/ METHODS/ MICROCHEMISTRY/ SPECTROMETRY, FLUORESCENCE
661. Coleman RA, Levy GP: Evidence for a non-adrenergic inhibitory nervous pathway in guinea-pig trachea. *Br J Pharmacol* 48:360P-361P, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ ELECTRIC STIMULATION/ GUANETHIDINE, pharmacodynamics/ GUINEA PIGS/ HYDROXYDOPAMINE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ LIDOCAINE, pharmacodynamics/ METHYLERGIDE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *NEURAL INHIBITION/ PROPRANOLOL, pharmacodynamics/ SYROSINGOPINE, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TRACHEA, drug effects/ *TRACHEA, innervation
662. Collin B: La vascularisation artérielle du testicule chez le cheval. *Zentralbl Veterinärmed [C]* 2:46-53, Mar 73 (Fre)
ANIMAL EXPERIMENTS/ *ARTERIES, anatomy & histology/ ENGLISH ABSTRACT/ HORSES/ *HORSES, anatomy & histology/ MALE/ *TESTIS, blood supply
663. Colombo JA, Blake CA, Lorenz RJ, et al: Plasma prolactin changes following cortical spreading depression in female rats. *Am J Physiol* 225:766-9, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CEREBRAL CORTEX, physiology/ ESTROGENS, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ OVARY, physiology/ *PITUITARY GLAND, secretion/ POTASSIUM CHLORIDE/ PROGESTERONE, pharmacodynamics/ *PROLACTIN, blood/ PROLACTIN, secretion/ PSEUDOPREGNANCY/ RADIOIMMUNOASSAY/ RATS/ SPREADING CORTICAL DEPRESSION/ *SPREADING CORTICAL DEPRESSION
664. Colp CR, Riker J, Williams MH Jr: Serial changes in scleroderma and idiopathic interstitial lung disease. *Arch Intern Med* 132:506-15, Oct 73
ADULT/ AGED/ ARTERIES/ CARBON MONOXIDE/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ LUNG COMPLIANCE/ MALE/ MERCAPTOPYRINE, therapeutic use/ MIDDLE AGE/ OXYGEN, blood/ PENICILLAMINE, administration & dosage/ PENICILLAMINE, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PULMONARY DIFFUSING CAPACITY/ PULMONARY FIBROSIS, drug therapy/ *PULMONARY FIBROSIS, physiopathology/ RESPIRATORY FUNCTION TESTS/ SCLERODERMA, SYSTEMIC, drug therapy/ *SCLERODERMA, SYSTEMIC, physiopathology/ SPIROMETRY/ TIME FACTORS/ VITAL CAPACITY
665. Colston KW, Evans IM, Galante L, et al: Regulation of vitamin D metabolism: factors influencing the rate of formation of 1,25-dihydroxycholecalciferol by kidney homogenates. *Biochem J* 134:817-20, Jul 73
ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CHICKENS/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ *HYDROXYCHOLECALCIFEROL, biosynthesis/ HYDROXYLATION/ IN VITRO/ *KIDNEY, metabolism/ TRITIUM/ *VITAMIN D, metabolism
666. Colwell AR Jr, Feinzeimer M, Cooper D, et al: Alcohol inhibition of cyclic AMP-induced insulin release. *Diabetes* 22:854-7, Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ DOGS/ DRUG SYNERGISM/ FEMORAL ARTERY/ INSULIN, blood/ *INSULIN, metabolism/ PANCREAS, blood supply/ *PANCREAS, drug effects/ PANCREAS, metabolism/ STIMULATION, CHEMICAL
667. Conly PW, LeMalre WJ, Monkus EF, et al: Plasma estradiol concentration in infants with the respiratory distress syndrome. *J Pediatr* 83:851-3, Nov 73
BIRTH WEIGHT/ BLOOD/ DYSPNEA, complications/ *ESTRIOL, blood/ FEMALE/ HUMAN/ HYALINE MEMBRANE DISEASE, blood/ HYALINE MEMBRANE DISEASE, complications/ *INFANT, NEWBORN/ INFANT, PREMATURE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *RESPIRATORY DISTRESS SYNDROME, blood/ RESPIRATORY DISTRESS SYNDROME, complications/ UMBILICAL CORD/ UMBILICAL VEINS
668. Connan RM: The immune response of the lactating rat to *Nippostrongylus brasiliensis*. *Immunology* 25:261-7, Aug 73
ANAPHYLAXIS, etiology/ ANIMAL EXPERIMENTS/ ANTIGENS/ CELL COUNT/ FEMALE/ *HOOKWORM INFECTIONS, immunology/ HOOKWORM INFECTIONS, pathology/ HOOKWORMS/ IGE, analysis/ *IMMUNITY/ IMMUNITY, PASSIVE/ INTESTINE, SMALL, pathology/ LACTATION/ MAST CELLS/ PASSIVE CUTANEOUS ANAPHYLAXIS/ PASSIVE TRANSFER/ PREGNANCY/ RATS
669. Conner EA, Miller JW: The sodium and potassium content of rat uterine luminal fluid. *J Endocrinol* 59:181-2, Oct 73
ACETAZOLAMIDE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ OUABAIN, pharmacodynamics/ *POTASSIUM, analysis/ POTASSIUM, metabolism/ PROGESTERONE, pharmacodynamics/ RATS/ *SODIUM, analysis/ SODIUM, metabolism/ SPERM CAPACITATION/ TRIAMTERENE, pharmacodynamics/ *UTERUS, analysis/ UTERUS, drug effects/ UTERUS, metabolism
670. Connolly RJ: The changing age incidence of iodine deficiency in Tasmania. *Med J Aust* 2:171-4, 28 Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AUSTRALIA/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ DEFICIENCY DISEASES, drug therapy/

AUTHOR SECTION

- GOITER, ENDEMIC, drug therapy/ *GOITER, ENDEMIC, drug therapy/ HUMAN/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, occurrence/ INFANT/ INFANT, NEWBORN/ IODINE/ *IODINE, adverse effects/ MIDDLE AGE
671. Connon AF: The treatment of menopausal disorders. Drugs 6:137-42, 1973
ANDROGENS, therapeutic use/ ARTERIOSCLEROSIS, physiopathology/ CALCIUM, therapeutic use/ CASTRATION/ ESTROGENS, physiopathology/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE/ MENTAL DISORDERS, etiology/ OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, physiopathology/ PELVIC BONES, physiology/ URETHRA, physiopathology/ VAGINA, physiopathology/ VASOMOTOR SYSTEM, physiopathology/ VULVA, physiopathology
672. Constantinides G, Christlaens JL, Guilbert F: Oedème papillaire au décours d'un traitement cortisoné. Bull Soc Ophthalmol Fr 72:1139-40, Nov 72 (Fre)
ARTHRITIS, RHEUMATOID, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MIDDLE AGE/ *PAPILLEDEMA, chemically induced
673. Contiguglia SR, Alfrey AC, Miller NL, et al: Nature of soft tissue calcification in uremia. Kidney Int 4:229-35, Sep 73
CALCINOSIS, etiology/ *CALCINOSIS, metabolism/ CALCINOSIS, pathology/ CALCIUM, analysis/ *CALCIUM PHOSPHATES, metabolism/ CRYSTALLIZATION/ DIAPHRAGM, analysis/ FEMORAL ARTERY, analysis/ HEMODIALYSIS/ HUMAN/ HYDROXYAPATITE, metabolism/ LUNG, analysis/ MAGNESIUM, analysis/ MUSCLES, analysis/ MYOCARDIUM, analysis/ ORGAN WEIGHT/ PARATHYROID GLANDS, analysis/ PARATHYROID GLANDS, anatomy & histology/ PHOSPHORUS, analysis/ SPECTROPHOTOMETRY, INFRARED/ *UREMIA, complications/ X-RAY DIFFRACTION
674. Contostavlos DL: Letter: Benign hepatomas and oral contraceptives. Lancet 2:1200, 24 Nov 73
ABDOMEN, ACUTE, diagnosis/ ADOLESCENCE/ ADULT/ AUTOPSY/ *CONTRACEPTIVES, ORAL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, etiology/ *HEPATOMA, chemically induced/ HEPATOMA, diagnosis/ HEPATOMA, pathology/ HUMAN/ HYPERPLASIA, pathology/ LIVER, pathology/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, complications/ LIVER NEOPLASMS, diagnosis/ LIVER NEOPLASMS, pathology/ MIDDLE AGE
675. Cook DB, Latner AL: Saturation in the competitive protein-binding assay of serum thyroxine. Clin Chim Acta 47:183-9, 30 Aug 73
ACRYLAMIDES/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ HUMAN/ IODINE RADIOISOTOPES/ KINETICS/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS
676. Cook H, Rusthoven JJ, Vogelzang NJ: The rostral pars distalis of the pituitary gland of the freshwater and marine alewife (*Alosa pseudoharengus*). A light and electron microscope study. Z Zellforsch Mikrosk Anat 141:145-59, 31 Jul 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CILIA/ COMPARATIVE STUDY/ CORTICOTROPIN/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ *FISHES, anatomy & histology/ FRESH WATER/ GOLGI APPARATUS/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MICROSCOPY, PHASE CONTRAST/ MITOCHONDRIA/ *PITUITARY GLAND, cytology/ PROLACTIN/ SEAWATER
677. Cook PR: Hypothesis on differentiation and the inheritance of gene superstructure. Nature 245:23-5, 7 Sep 73
*CELL DIFFERENTIATION/ *DNA/ DNA REPLICATION/ *GENETIC CODE/ *NUCLEIC ACID CONFORMATION/ SEX CHROMOSOMES
678. Cook WJ, Bugg CE: Calcium binding to galactose. Crystal structure of a hydrated alpha-galactose-calcium bromide complex. J Am Chem Soc 95:6442-6, 19 Sep 73
*BINDING SITES/ BONE AND BONES/ *BROMIDES, analysis/ *CALCIUM, analysis/ CHEMISTRY/ COLLAGEN/ *GALACTOSE, analysis/ STEREOISOMERS/ *X-RAY DIFFRACTION
679. Cooke CR, Horvath JS, Moore MA, et al: Modulation of plasma aldosterone concentration by plasma potassium in anephric man in the absence of a change in potassium balance. J Clin Invest 52:3028-32, Dec 73
*ALDOSTERONE, blood/ ALDOSTERONE, secretion/ GLUCOCORTICOIDS, blood/ GLUCOSE, pharmacodynamics/ HEMODIALYSIS/ HUMAN/ INSULIN, pharmacodynamics/ *KIDNEY, physiology/ *POTASSIUM, blood/ RADIOIMMUNOASSAY
680. Cooke CR, Steenburg RW: Effects of aldosterone and cortisol on the renal concentrating mechanism. J Lab Clin Med 82:784-92, Nov 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CREATININE, urine/ DOGS/ *HYDROCORTISONE, pharmacodynamics/ KIDNEY, analysis/ *KIDNEY CONCENTRATING ABILITY, drug effects/ KIDNEY MEDULLA, analysis/ OSMOLAR CONCENTRATION/ POTASSIUM, analysis/ POTASSIUM, urine/ SODIUM, analysis/ SODIUM, urine/ UREA, analysis
681. Cooke NJ, Cameron SJ, Crompton GK, et al: Letter: Adrenal failure in bronchial asthma. Br Med J 4:49, 6 Oct 73
*ADRENAL GLAND DISEASES, chemically induced/ ADULT/ *ASTHMA, drug therapy/ BECLOMETHASONE, adverse effects/ BODY WEIGHT/ DRUG WITHDRAWAL SYMPTOMS/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *PREDNISOLONE, adverse effects
682. Cooksley WG, Firouz-Abadi A, Wallace DC: Monosomy of a "G" autosome in a 22-year-old female. Med J Aust 2:178-80, 28 Jul 73
ADULT/ *AUTOSOME ABNORMALITIES/ CASE REPORT/ CHROMOSOMES, HUMAN, 16-18/ *CHROMOSOMES, HUMAN, 21-22/ FEMALE/ HUMAN/ HYPOTHYROIDISM, familial & genetic/ KARYOTYPING/ PHOTSENSITIZATION, familial & genetic
683. Coombs MM, Bhatt TS: Potentially carcinogenic cyclopenta(a)phenanthrenes. VI. 1,2,3,4-Tetrahydro-17-ketones. J Chem Soc [Perkin I] 12:1251-4, 1973
*CARCINOGENS, chem synthesis/ CYCLIZATION/ CYCLOPENTANE, chem synthesis/ GONANES, chem synthesis/ *PHENANTHRENES, chem synthesis/ SPECTROPHOTOMETRY, ULTRAVIOLET
684. Coombs MM, Hall M: Potentially carcinogenic cyclopenta(a)phenanthrenes. VII. Ring-D diols and related compounds. J Chem Soc [Perkin I] 12:1255-8, 1973
*CARCINOGENS, chem synthesis/ CYCLIZATION/ GONANES, chem synthesis/ NUCLEAR MAGNETIC RESONANCE/ *PHENANTHRENES, chem synthesis/ SPECTROPHOTOMETRY, ULTRAVIOLET
685. Coombs RV, Danna RP, Denzer M, et al: Synthesis and antiinflammatory activity of 1-alkyl-4-aryl-2(1H)-quinazolinones and quinazolinethiones. J Med Chem 16:1237-45, Nov 73

AUTHOR SECTION

- ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS, chem
synthesis/ ANTI-INFLAMMATORY AGENTS,
therapeutic use/ ARTHRITIS, drug therapy/
BRADYKININ, antagonists & inhibitors/
CARRAGEENAN/ EDEMA, chemically induced/
EDEMA, drug therapy/ FOOT/ GUINEA PIGS/
HYPERESTHESIA, drug therapy/ KETONES,
chem synthesis/ KETONES, therapeutic use/
*QUINAZOLINES, chem synthesis/
QUINAZOLINES, therapeutic use/ RATS/
STRUCTURE-ACTIVITY RELATIONSHIP/
THIONES, chem synthesis/ THIONES,
therapeutic use
686. Cooper A, Martin R, Tibbles JA: Pasteurella meningitis.
Neurology (Minneapolis) 23:1097-100, Oct 73
ADULT/ CEREBROSPINAL FLUID,
microbiology/ CHLORAMPHENICOL,
therapeutic use/ HUMAN/ HYDROCORTISONE,
therapeutic use/ INFANT/ MALE/
MENINGITIS, cerebrospinal fluid/
MENINGITIS, drug therapy/ *MENINGITIS,
etiology/ MENINGITIS, microbiology/
MICROBIAL SENSITIVITY TESTS/
*PASTEURELLA, isolation & purification/
*PASTEURELLA INFECTIONS/
PASTEURELLA INFECTIONS, drug therapy/
PENICILLIN, therapeutic use/
SULFADIAZINE, therapeutic use
687. Cooper ER, Jackson H: Chemically induced sperm
retention cysts in the rat.
J Reprod Fertil 34:445-9, Sep 73
*ALKANES, toxicity/ ANIMAL
EXPERIMENTS/ *CONTRACEPTIVES, ORAL,
toxicity/ EPIDIDYMITIS, pathology/
EPITHELIAL CELLS/ FERTILITY/ MALE/
RATS/ *SPERMATOCELE, chemically induced/
SPERMATOCELE, pathology/ SPERMATOZOA/
*SULFONIC ACIDS, toxicity/ TESTOSTERONE,
pharmacodynamics/ TIME FACTORS
688. Cooper FR, Smith H: Influence of cell-free ascites fluid
and adenosine 3',5'-cyclic monophosphate upon the cell
kinetics of Ehrlich's ascites carcinoma.
Nature 241:457-8, 16 Feb 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ ASCITIC FLUID/
*CARCINOMA, EHRLICH TUMOR/
CHALONES, pharmacodynamics/ DRUG
SYNERGISM/ EPINEPHRINE,
pharmacodynamics/ *GROWTH SUBSTANCES,
pharmacodynamics/ HYDROCORTISONE,
pharmacodynamics/ MALE/ MICE/ MICE,
INBRED C3H/ *MITOSIS, drug effects
689. Cooperman BS, Brunswick DJ: On the photoaffinity
labeling of rabbit muscle phosphofructokinase with
O²-(ethyl-2-diazomalonyl)adenosine 3':5'-cyclic
monophosphate. Biochemistry 12:4079-84, 9 Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE/ ADENOSINE
TRIPHOSPHATE/ AMINO ACIDS/ AZO
COMPOUNDS/ DIALYSIS/ ENZYME
ACTIVATION/ KINETICS/ MALONATES/
MUSCLES, enzymology/ PEPTIDES/
PHOSPHOFRUCTOKINASE, antagonists &
inhibitors/ *PHOSPHOFRUCTOKINASE,
radiation effects/ PHOTOCHEMISTRY/
PHOTOLYSIS/ ULTRAVIOLET RAYS
690. Coover G, Ursin H, Levine S: Corticosterone and
avoidance in rats with basolateral amygdala lesions.
J Comp Physiol Psychol 85:111-22, Oct 73
*AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ AROUSAL/ *AVOIDANCE
LEARNING/ CATS/ CONDITIONING,
OPERANT/ CONFLICT (PSYCHOLOGY)/
*CORTICOSTERONE, blood/ ELECTROSHOCK/
ESCAPE REACTION/ EXPLORATORY
BEHAVIOR/ FEAR/ GROOMING/
IMMOBILIZATION/ LOCOMOTION/ MALE/
PAIN/ RATS/ SPECIES SPECIFICITY/
STEREOTAXIC TECHNIQS
691. Cope CL, Lolzou S: Simplification of urinary
aldosterone measurement by radioimmunoassay.
J Clin Pathol 26:628-34, Aug 73
- *ALDOSTERONE, urine/ CHROMATOGRAPHY,
PAPER/ HUMAN/ METHODS/
*RADIOIMMUNOASSAY/ TRITIUM
692. Coppi G, Gaetani M, Bonardi G, et al: Hormonal
properties of 19-nortestosterone-homofarnesate (DA
1979), a new anabolic agent.
Arzneim Forsch 23:907-11, Jul 73
*ANABOLIC STEROIDS, pharmacodynamics/
ANALYSIS OF VARIANCE/ ANIMAL
EXPERIMENTS/ BLOOD PRESSURE, drug
effects/ DIURESIS, drug effects/ DRUG
SCREENING/ FATTY ALCOHOLS,
pharmacodynamics/ FEMALE/ GONADS, drug
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metabolism/ LIVER GLYCOGEN, metabolism/
MALE/ MICE/ *NANDROLONE,
pharmacodynamics/ NATRIURESIS, drug
effects/ ORGAN WEIGHT/ POTASSIUM,
urine/ RABBITS/ RATS/ TESTIS,
drug effects/ THYMUS GLAND, drug effects/
UTERUS, drug effects
693. Corbin A, Upton GV: Effect of synthetic luteinizing
hormone releasing hormone on pituitary and serum
levels of luteinizing hormone of intact and median
eminence lesioned male rats.
Experientia 29:1025-6, 15 Aug 73
ANIMAL EXPERIMENTS/ DENERVATION/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*HYPOTHALAMUS, physiology/ INJECTIONS,
INTRAVENOUS/ *LH, analysis/ LH, blood/
LH-FSH RELEASING HORMONE,
administration & dosage/ *LH-FSH
RELEASING HORMONE, pharmacodynamics/
MALE/ *PITUITARY GLAND, analysis/ RATS
694. Cordova J, Prado J, Palma E, et al: Regulación de la
calcemia en el síndrome de diagenesia gonadal.
Rev Med Chil 101:364-7, May 73 (Spa)
ADOLESCENCE/ ADULT/ *CALCIUM, blood/
CHILD/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ *TURNER'S SYNDROME, blood
695. Corey EJ, Mann J: A new stereocontrolled synthesis of
prostaglandins via prostaglandin A.
J Am Chem Soc 95:6832-3, 3 Oct 73
INDICATORS AND REAGENTS/ METHODS/
*PROSTAGLANDINS, chem synthesis/
STEREISOMERS
696. Corey EJ, Molnet G: Direct, stereocontrolled synthesis
of a prostaglandins using the bicyclo[2.2.1]heptene
approach. J Am Chem Soc 95:6331-2, 3 Oct 73
CYCLIZATION/ METHODS/
*PROSTAGLANDINS, chem synthesis/
STEREISOMERS
697. Coriess D: Diet in the elderly.
Br Med J 4:158-60, 20 Oct 73
*AGED/ ANEMIA, HYPOCHROMIC/
ASCORBIC ACID DEFICIENCY/ CALCIUM,
DIETARY/ *DIET/ DIETARY
CARBOHYDRATES/ DIETARY FATS/
FEMALE/ FOLIC ACID DEFICIENCY/
HUMAN/ MALE/ NICOTINIC ACID/
NUTRITION DISORDERS, diagnosis/
NUTRITION DISORDERS, etiology/
NUTRITION DISORDERS, therapy/ PROTEIN
DEFICIENCY/ RIBOFLAVIN DEFICIENCY/
SOCIAL ENVIRONMENT/ THIAMINE
DEFICIENCY/ VITAMIN A DEFICIENCY/
VITAMIN B DEFICIENCY/ VITAMIN B 12
DEFICIENCY/ VITAMIN D DEFICIENCY/
VITAMINS
698. Corns CM, Stevens JF, Miller AL: A stable uterine
hinding protein preparation for the assay of plasma
oestrol in pregnancy.
Clin Chim Acta 47:203-10, 30 Aug 73
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ BINDING SITES/ CHARCOAL/
COMPARATIVE STUDY/ CYTOSOL/ DRUG
STABILITY/ ESTRADIOL, analysis/ ESTRIOL,
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METHODS/ PREGNANCY/ *PREGNANCY/
PROTEIN BINDING/ RECEPTORS, HORMONE/
SHEEP/ TEMPERATURE/ TIME FACTORS/
TRITIUM/ UTERUS/ UTERUS, cytology

AUTHOR SECTION

99. Coroneos NJ, Keaney NP, Lane JR, et al: The time course of the cerebral circulatory response to metabolic depression.
J Physiol (Lond) 232:30P-31P, Jul 73
ANESTHETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BABOONS/ *BRAIN, metabolism/ *CEREBROVASCULAR CIRCULATION/ ELECTROENCEPHALOGRAPHY/ MONKEYS/ PREGNANES, pharmacodynamics/ TIME FACTORS
100. Corral C, Darias V, Fernández-Tomé MP, et al: N-substituted 2-amino-1-(2-thienyl)ethanols as beta-adrenergic blocking agents.
J Med Chem 16:882-5, Aug 73
*ADRENERGIC BETA RECEPTOR BLOCKADERS, chem synthesis/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *ETHANOLAMINES, chem synthesis/ ETHANOLAMINES, pharmacodynamics/ GUINEA PIGS/ HEART RATE, drug effects/ HISTAMINE, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ ISOPROTERENOL, antagonists & inhibitors/ ISOPROTERENOL, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOPHENES, chem synthesis/ THIOPHENES, pharmacodynamics/ VAS DEFERENS, drug effects
101. Correr S, Olivieri-Sangiaco C: Preliminary observation on pituitary cells in tissue culture.
Experientia 29:1117-9, 15 Sep 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CYTOPLASM/ MALE/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, POSTERIOR, cytology/ RATS/ TISSUE CULTURE
102. Corring T, Lebas F, Courtot D: Contrôle de l'évolution de l'équipement enzymatique du pancréas exocrine du lapin de la naissance à 6 semaines.
Ann Biol Anim Biochim Biophys 12:221-31, 1972 (Fre)
AGE FACTORS/ *AMYLASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ *CHYMOTRYPSIN, metabolism/ DIETARY CARBOHYDRATES/ ENGLISH ABSTRACT/ FEMALE/ LACTATION/ *LIPASE, metabolism/ ORGAN WEIGHT/ PANCREAS, anatomy & histology/ *PANCREAS, enzymology/ *PANCREAS, growth & development/ PREGNANCY/ PROTEINS, metabolism/ RABBITS/ STARCH/ *TRYPSIN, metabolism/ WEANING
103. Corvoi P, Bertagna X, Menard J, et al: Nouvelles méthodes d'exploration clinique du métabolisme de l'aldostérone. Acquis Med Recent 183-91, 1972 (Fre)
ALDOSTERONE, analysis/ ALDOSTERONE, blood/ *ALDOSTERONE, metabolism/ ALDOSTERONE, urine/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ METHODS
104. Corvoi P, Devaux C, Menard J: Pepstatin, an inhibitor for renin purification by affinity chromatography.
FEBS Lett 34:189-92, 15 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BLOOD PROTEINS/ CHROMATOGRAPHY, AFFINITY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ KIDNEY, enzymology/ KINETICS/ *OLIGOPEPTIDES/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RATS/ RENIN, antagonists & inhibitors/ *RENIN, isolation & purification/ STREPTOMYCIN/ SWINE
105. Corwin DS, Bottoms GD, Roesel OF: Distribution of 3H-hydrocortisone in dogs with hemorrhagic shock.
Am J Vet Res 34:1015-9, Aug 73
ANIMAL EXPERIMENTS/ ARTERIES/ *DOG DISEASES, metabolism/ *DOGS, metabolism/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ INJECTIONS, INTRAVENOUS/ LIVER, analysis/ LYSOSOMES, analysis/ PANCREAS, analysis/ SHOCK, HEMORRHAGIC, metabolism/ *SHOCK, HEMORRHAGIC, veterinary/ TRITIUM/ VEINS
706. Cosmacini G: Quadri radiologici di osteopatie pagetiche e pagetoidi.
Minerva Med 64:2859-74, 21 Jul 73 (Ita)
*BONE AND BONES, radiography/ DIAGNOSIS, DIFFERENTIAL/ FEMUR, radiography/ HIP, radiography/ HUMAN/ MALE/ OSTEITIS DEFORMANS, diagnosis/ *OSTEITIS DEFORMANS, radiography/ PELVIS, radiography/ PROSTATIC NEOPLASMS, radiography/ RADIOISOTOPE SCANNING/ SKULL, radiography/ SPINE, radiography/ SYNDROME/ TIBIA, radiography
707. Costa M, Funes JB: Observations on the anatomy and amine histochemistry of the nerves and ganglia which supply the pelvic viscera and on the associated chromaffin tissue in the guinea-pig.
Z Anat Entwicklungsgesch 140:85-108, 30 May 73
ANIMAL EXPERIMENTS/ AXONS/ CATECHOLAMINES, analysis/ *CHROMAFFIN SYSTEM, anatomy & histology/ DENDRITES/ FEMALE/ FLUORESCENCE/ *GANGLIA, anatomy & histology/ GANGLIA, AUTONOMIC, anatomy & histology/ *GUINEA PIGS, anatomy & histology/ HYPOGASTRIC PLEXUS, anatomy & histology/ INTESTINES, innervation/ MALE/ *SYMPATHETIC NERVOUS SYSTEM, anatomy & histology
708. Costall B, Naylor RJ: Is there a relationship between the involvement of extrapyramidal and mesolimbic brain areas with the cataleptic action of neuroleptic agents and their clinical antipsychotic effect?
Psychopharmacologia 32:161-70, 1973
ANIMAL EXPERIMENTS/ APORPHINES, pharmacodynamics/ BENZOATES, pharmacodynamics/ BUTYRPHENONES, pharmacodynamics/ CATALEPSY/ DIOXIDES, pharmacodynamics/ *EXTRAPYRAMIDAL TRACTS, drug effects/ *HYPOTHALAMUS, drug effects/ MALE/ METOCLOPRAMIDE, pharmacodynamics/ PERPHENAZINE, pharmacodynamics/ PIPERIDINES, pharmacodynamics/ RATS/ SPIRO COMPOUNDS, pharmacodynamics/ THIORIDAZINE, pharmacodynamics/ *TRANQUILIZING AGENTS, pharmacodynamics
709. Costas S, Blerk PJ van: Incision of the external inguinal ring in acute epididymitis. Br J Urol 45:555-8, Oct 73
ADULT/ EDEMA/ EPIDIDYMITIS, blood supply/ *EPIDIDYMITIS, surgery/ FEVER/ HUMAN/ INFARCTION/ *INGUINAL CANAL, surgery/ MALE/ PAIN/ TESTIS, blood supply
710. Costil J, Gall J, Richardet JM, et al: Elimination urinaire de l'acide 5-hydroxy-indol-acétique. I. Chez l'enfant normal.
Nouv Presse Med 2:2115-7, 15 Sep 73 (Fre)
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CIRCADIAN RHYTHM/ HUMAN/ *HYDROXYINDOLEACETIC ACID, urine/ INFANT/ INFANT, NEWBORN/ SEROTONIN, metabolism
711. Cottin S, Minicini P, Belet JL, et al: Détermination de l'activité rénine du plasma chez les cirrhotiques oedémateux. Influence des divers traitements déplétifs. Sem Hop Paris 49:1357-63, 20 Apr 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ALDOSTERONE, antagonists & inhibitors/ ALDOSTERONE, therapeutic use/ ANGIOTENSIN, blood/ CARDANOLIDES, therapeutic use/ DIET, SALT-FREE/ DIURETICS, therapeutic use/ DRUG THERAPY, COMBINATION/ HEMORRHAGE, GASTROINTESTINAL, blood/ KETOESTEROIDS, therapeutic use/ *LIVER CIRRHOSIS, blood/ LIVER CIRRHOSIS, drug therapy/ LIVER CIRRHOSIS, therapy/ POTASSIUM, blood/

AUTHOR SECTION

- POTASSIUM, urine/ *RENIN, blood/ SODIUM, blood/ SODIUM, urine
712. Counis R, Koumanov K, Raulin J, et al: Interprétation du rôle antipolytique de la tétracycline. Inhibition de l'adénylate cyclase in vitro. Eur J Biochem 37:244-7, 17 Aug 73 (Fre)
*ADENYL CYCLASE, metabolism/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GLUCAGON, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ RATS/ *TETRACYCLINE, pharmacodynamics
 713. Counsell RE, Kulkarni PG, Aflatpour P, et al: Potential organ- or tumor-imaging agents. 13. 19-Radiolodinated steroids. J Med Chem 16:945-7, Aug 73
ADRENAL GLANDS/ ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ CHOLESTEROL, diagnostic use/ IODINE/ *IODINE ISOTOPES, DIAGNOSTIC/ ISOTOPE LABELING/ KIDNEY/ LIVER/ MALE/ *RADIOISOTOPE SCANNING/ RATS/ SITOSTEROLS, blood/ *SITOSTEROLS, chem synthesis/ SITOSTEROLS, diagnostic use/ THYROID GLAND/ TIME FACTORS
 714. Counsell RE, Ranade VV, Kulkarni PG, et al: Potential organ or tumor-imaging agents. 12. Esters of 19-radiolodinated cholesterol. J Nucl Med 14:777-80, Nov 73
ACETATES/ ADMINISTRATION, ORAL/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CHOLESTEROL, administration & dosage/ *CHOLESTEROL, diagnostic use/ CHOLESTEROL, metabolism/ COMPARATIVE STUDY/ ESTERS/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ IODINE RADIOISOTOPES/ LIVER, metabolism/ MALE/ *NEOPLASMS, diagnosis/ PALMITIC ACID/ *RADIOISOTOPE SCANNING/ RATS/ TIME FACTORS
 715. Couturier E, Bruno OD, Metzger P, et al: Transport of cortisol, progesterone and cholesterol across isolated mesentery. Effect of metyrapone. J Membr Biol 13:89-96, 30 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CARBON RADIOISOTOPES/ *CHOLESTEROL, metabolism/ GLUCOSE, metabolism/ *HYDROCORTISONE, metabolism/ IN VITRO/ KINETICS/ MALE/ MATHEMATICS/ MESENTERY, drug effects/ *MESENTERY, metabolism/ *METYRAPONE, pharmacodynamics/ PERMEABILITY/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ RATS/ TIME FACTORS/ TRANCORTIN, metabolism/ TRITIUM
 716. Cowan JS, Popescu I, Varma S, et al: Effect of methylprednisolone on glucose homeostasis in newborn and young dogs. Am J Physiol 225:788-92, Oct 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ ANTIGENS, analysis/ BLOOD SUGAR/ DNA, metabolism/ DOGS/ *GLUCOSE, metabolism/ HOMEOSTASIS/ INSULIN, blood/ LIVER, drug effects/ *LIVER, metabolism/ *METHYLPREDNISOLONE, pharmacodynamics/ PROTEINS, metabolism/ RNA, metabolism
 717. Cowden RR, Curtis SK: A study of grasshopper melotic chromosomes by a combination of light and electron microscopic procedures. Histochem J 5:225-38, May 73
ACETIC ACIDS/ ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ *CHROMOSOMES/ CHROMOSOMES, drug effects/ DEOXYRIBONUCLEASE, pharmacodynamics/ FORMALDEHYDE/ *GRASSHOPPERS, cytology/ HISTONES/ HYDROCHLORIC ACID, pharmacodynamics/ INDICATORS AND REAGENTS/ MALE/ *MEIOSIS/ MICROSCOPY, ELECTRON/ NUCLEIC ACIDS/ RIBONUCLEASE, pharmacodynamics/ *TESTIS, cytology/ TESTIS, drug effects/ TRICHLOROACETIC ACID, pharmacodynamics
 718. Cowen MA: Electrophysiological phenomena associated with the S-protein system in normal and schizophrenic subjects. Biol Psychiatry 7:113-27, Oct 73
ADULT/ ALPHA GLOBULIN, antagonists & inhibitors/ *ALPHA GLOBULIN, metabolism/ ANIMAL EXPERIMENTS/ CHICKENS/ ELECTROPHYSIOLOGY/ ERYTHROCYTES, metabolism/ FEMALE/ FRONTAL LOBE, drug effects/ *FRONTAL LOBE, physiopathology/ GLUTAMATES, pharmacodynamics/ HUMAN/ HYDROXYTRYPTOPHAN, metabolism/ HYDROXYTRYPTOPHAN, pharmacodynamics/ IN VITRO/ MALE/ MIDDLE AGE/ PROLINE, pharmacodynamics/ PROTEIN CONFORMATION/ PYRROLIDONECARBOXYLIC ACID, metabolism/ PYRROLIDONECARBOXYLIC ACID, pharmacodynamics/ RATS/ SCHIZOPHRENIA, blood/ *SCHIZOPHRENIA, physiopathology/ SEROTONIN, pharmacodynamics/ TRYPTOPHAN, metabolism/ TRYPTOPHAN, pharmacodynamics
 719. Cox RA, Gökçen M: A modified competitive protein-binding determination for cortisol. J Clin Endocrinol Metab 37:670-3, Nov 73
AMMONIUM SULFATE/ BINDING, COMPETITIVE/ CORTICOSTERONE/ CORTISONE/ *HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS/ METHODS/ PROGESTERONE/ TRITIUM
 720. Cox RA, Gökçen M: A study of golden hamster (Cricetus cricetus) alkaline phosphatase isoenzymes. Comp Biochem Physiol [B] 46:99-103, 15 Sep 73
AGING/ ALKALINE PHOSPHATASE, antagonists & inhibitors/ ALKALINE PHOSPHATASE, blood/ *ALKALINE PHOSPHATASE, metabolism/ AMINOCAPROIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ *BONE AND BONES, enzymology/ COMPARATIVE STUDY/ DRUG STABILITY/ FLUORESCENCE/ GUANIDINES, pharmacodynamics/ HAMSTERS/ HEAT/ HUMAN/ INTESTINES, drug effects/ *INTESTINES, enzymology/ ISOENZYMES, antagonists & inhibitors/ ISOENZYMES, blood/ *ISOENZYMES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ PHENYLALANINE, pharmacodynamics/ SPECIES SPECIFICITY
 721. Coy DH, Coy EJ, Schally AV: Effect of simple amino acid replacements on the biological activity of luteinizing hormone-releasing hormone. J Med Chem 16:1140-3, Oct 73
*AMINO ACIDS, chem synthesis/ AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ ESTROGENS, pharmacodynamics/ FEMALE/ GEL FILTRATION/ LH, blood/ *LH-FSH RELEASING HORMONE, chem synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects
 722. Coy DH, Coy EJ, Arimura A, et al: Solid phase synthesis of growth hormone-release inhibiting factor. Biochem Biophys Res Commun 54:1267-73, 15 Oct 73
ANIMAL EXPERIMENTS/ FREEZE DRYING/ IN VITRO/ PEPTIDES, chem synthesis/ *PEPTIDES, pharmacodynamics/ PEPTIDES, CYCLIC, chem synthesis/ *PEPTIDES, CYCLIC, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING HORMONES, antagonists & inhibitors/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, antagonists & inhibitors
 723. Coyle JT, Jacobowitz D, Klein D, et al: Dopaminergic neurons in explants of substantia nigra in culture J Neurobiol 4:461-70, 1973
ANIMAL EXPERIMENTS/ CELL

AUTHOR SECTION

- DIFFERENTIATION/ COLCHICINE, pharmacodynamics/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, enzymology/ *CORPUS STRIATUM, metabolism/ CORTICOSTERONE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *DOPAMINE, metabolism/ IN VITRO/ MICROSCOPY, FLUORESCENCE/ MONOAMINE OXIDASE, metabolism/ NERVE GROWTH FACTOR, pharmacodynamics/ NERVE TISSUE PROTEINS, metabolism/ NEURONS, metabolism/ RATS/ SUBSTANTIA NIGRA, drug effects/ SUBSTANTIA NIGRA, enzymology/ *SUBSTANTIA NIGRA, metabolism/ THYROXINE, pharmacodynamics/ TISSUE CULTURE/ TISSUE EXTRACTS, pharmacodynamics/ TRITIUM/ TYROSINE HYDROXYLASE, metabolism
24. Craine JE, Daniels GH, Kaufman S: Dopamine-beta-hydroxylase. The subunit structure and anion activation of the bovine adrenal enzyme. *J Biol Chem* 248:7838-44, 25 Nov 73
*ADRENAL MEDULLA, enzymology/ ALKYLATION/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ ANIONS, pharmacodynamics/ BINDING SITES/ CATIONS, MONOVALENT, pharmacodynamics/ CATTLE/ CHEMISTRY/ DISULFIDES/ DOPAMINE BETA HYDROXYLASE, analysis/ DOPAMINE BETA HYDROXYLASE, isolation & purification/ *DOPAMINE BETA HYDROXYLASE, metabolism/ ELECTROPHORESIS, DISC/ ENZYME ACTIVATION/ FUMARATES, pharmacodynamics/ MACROMOLECULAR SYSTEMS/ MODELS, CHEMICAL/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ PROTEIN BINDING/ PROTEIN CONFORMATION/ SODIUM CHLORIDE, pharmacodynamics/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET
25. Cramp WA, Fraval HN, Collins J: The effect of radiation sensitizing and protective agents on the post-irradiation synthesis of DNA by membrane complexes of *Escherichia coli* B-r. *Int J Radiat Biol* 24:161-8, Aug 73
ACRIDINES, pharmacodynamics/ ANAEROBOSIS/ CELL MEMBRANE, metabolism/ CELL MEMBRANE, radiation effects/ CHLORIDES, pharmacodynamics/ COPPER, pharmacodynamics/ *DNA, BACTERIAL, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ ESCHERICHIA COLI, metabolism/ *ESCHERICHIA COLI, radiation effects/ GLYCERIN, pharmacodynamics/ MERCAPTOETHANOL, pharmacodynamics/ OXYGEN/ *RADIATION EFFECTS/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ *RADIATION-SENSITIZING AGENTS, pharmacodynamics/ THIOUREA, pharmacodynamics
26. Crane MG, Harris JJ: Primary aldosteronism: observations on water and electrolyte changes during partial immersion. *J Clin Endocrinol Metab* 37:790-6, Nov 73
ADULT/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ BLOOD PRESSURE/ CARBON RADIOISOTOPES/ CREATININE, urine/ DRINKING/ HEMATOCRIT/ HUMAN/ HYPERALDOSTERONISM, blood/ *HYPERALDOSTERONISM, metabolism/ HYPERALDOSTERONISM, urine/ IMMERSION/ MALE/ OSMOLAR CONCENTRATION/ POSTURE/ POTASSIUM, urine/ SODIUM, urine/ SODIUM CHLORIDE, diagnostic use/ URINATION/ WATER-ELECTROLYTE BALANCE
27. Craps L: Topical Corticosteroids International Symposium, Venice, May 1972. Introductory remarks. *Acta Derm Venereol [Suppl] (Stockh)* 53:9-11, 1973
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CLINICAL RESEARCH/ ECZEMA, drug therapy/ *GLUCOCORTICOIDS, TOPICAL/ HUMAN/ KETOSTEROIDS/ OINTMENTS/ *PREGNADIENEDIOLS/ PSORIASIS, drug therapy/ RATS/ SKIN ABSORPTION/ STEROIDS, CHLORINATED/ STEROIDS, FLUORINATED
728. Craps L, Ferner U: Procedures for the clinical investigation of a topical corticosteroid. *Acta Derm Venereol [Suppl] (Stockh)* 53:13-23, 1973
CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DRUG EVALUATION/ ECZEMA, drug therapy/ FLUOCINOLONE ACETONIDE, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, adverse effects/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ KETOSTEROIDS, therapeutic use/ METHODS/ MODELS, BIOLOGICAL/ PLACEBOS/ PREGNADIENEDIOLS, therapeutic use/ PSORIASIS, drug therapy/ STATISTICS/ STEROIDS, CHLORINATED, therapeutic use/ STEROIDS, FLUORINATED, therapeutic use/ TIME FACTORS/ VEHICLES
729. Crighton DB: The effects of synthetic gonadotrophin releasing factor on the release of luteinizing hormone and follicle-stimulating hormone from ovine pituitary tissue in vitro. *J Endocrinol* 58:387-91, Sep 73
ANIMAL EXPERIMENTS/ *FSH, secretion/ IN VITRO/ *LH, secretion/ PEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ PITUITARY HORMONE RELEASING HORMONES, administration & dosage/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ SHEEP/ STIMULATION, CHEMICAL
730. Crighton DB, Hartley BM, Lammie GE: Changes in the luteinizing hormone releasing activity of the hypothalamus, and in pituitary gland and plasma luteinizing hormone during the oestrous cycle of the sheep. *J Endocrinol* 58:377-85, Sep 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CORPUS LUTEUM/ *ESTRUS/ FEMALE/ GRAAFIAN FOLLICLE/ HYPOTHALAMUS, analysis/ IN VITRO/ LH, blood/ *LH, secretion/ OVARY, cytology/ PITUITARY GLAND, analysis/ *PITUITARY HORMONE RELEASING HORMONES, analysis/ RADIOIMMUNOASSAY/ *SHEEP, physiology/ TIME FACTORS
731. Crispan M, Macavel I: Uncommon effects of prednisone therapy in chronic lymphocytic leukemias. *Rev Roum Med Intern* 10:279-84, 1973
BLOOD TRANSFUSION/ CELL COUNT/ HUMAN/ *LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKOCYTES/ PLASMA/ *PREDNISONE, therapeutic use/ TIME FACTORS
732. Criss WE, Morris HP: Protein kinase activity in Morris hepatomas. *Biochem Biophys Res Commun* 54:380-6, 5 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ENZYME ACTIVATION/ *HEPATOMA, enzymology/ ISOELECTRIC FOCUSING/ ISOENZYMES, isolation & purification/ ISOENZYMES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ LIVER NEOPLASMS, enzymology/ NEOPLASMS, EXPERIMENTAL/ PHOSPHORUS RADIOISOTOPES/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ RATS/ ULTRACENTRIFUGATION
733. Crist T, Farrington C: The use of estrogen as a postcoital contraceptive in North Carolina-trick or treatment. *NC Med J* 34:792-5, Oct 73
*CONTRACEPTIVES, POSTCOITAL/ CONTRACEPTIVES, POSTCOITAL, adverse effects/ *ESTROGENIC SUBSTANCES, CONJUGATED/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ EVALUATION STUDIES/ FEMALE/ HUMAN/ NORTH CAROLINA/ QUESTIONNAIRES
734. Croft WA, Bryan GT: Production of urinary bladder carcinomas in male hamsters by N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide,

AUTHOR SECTION

- N-(4-(5-nitro-2-furyl)-2-thiazolyl)-acetamide, or formic acid
2-(4-(5-nitro-2-furyl)-2-thiazolyl)hydrazide.
J Natl Cancer Inst 51:941-9, Sep 73
ADENOCARCINOMA, chemically induced/
ADENOMA, chemically induced/ ADRENAL
GLAND NEOPLASMS, chemically induced/
ANIMAL EXPERIMENTS/ *BLADDER
NEOPLASMS, chemically induced/
*CARCINOGENS/ *CARCINOMA,
TRANSITIONAL CELL, chemically induced/
DIET/ HAMSTERS/ KIDNEY NEOPLASMS,
chemically induced/ NEOPLASMS,
EXPERIMENTAL, chemically induced/
*NITROFURANS/ PAPILLOMA, chemically
induced/ STOMACH NEOPLASMS, chemically
induced
735. Crosignani PG: The use of solid phase method of radioimmunoassay for FSH and LH in the study of amenorrhea.
Endocrinol Exp (Bratisl) 7:193-201, Sep 73
ADOLESCENCE/ ADULT/ *AMENORRHEA,
hlood/ CIRCADIAN RHYTHM/ CLOMIPHENE,
therapeutic use/ FEMALE/ *FSH, hlood/ GEL
FILTRATION/ HUMAN/ IODINE
RADIOISOTOPES/ *LH, hlood/ MENOPAUSE/
METHODS/ PUBERTY/
*RADIOIMMUNOASSAY/ STEIN-LEVENTHAL
SYNDROME, hlood/ STEIN-LEVENTHAL
SYNDROME, drug therapy/ TIME FACTORS/
TURNER'S SYNDROME, hlood
736. Cross PC: The rôle of cumulus cells and serum in mouse oocyte maturation in vitro.
J Reprod Fertil 34:241-5, Aug 73
ANIMAL EXPERIMENTS/ BLOOD/ CELL
ADHESION/ CELL DIVISION/ CELLS,
CULTURED/ CULTURE MEDIA/ DIALYSIS/
FERTILIZATION/ *GRAAFIAN FOLLICLE,
cytology/ GUINEA PIGS/ IN VITRO/
MOLECULAR WEIGHT/ *OVUM, growth &
development/ SERUM ALBUMIN
737. Crystie CD, Dubin NH, Grannis GF, et al: Investigation of precursor availability in the regulation of estrogen synthesis in normal human pregnancy.
Obstet Gynecol 42:718-24, Nov 73
ADOLESCENCE/ ADULT/
DEHYDROEPIANDROSTERONE, metabolism/
DEHYDROEPIANDROSTERONE,
pharmacodynamics/ ESTRADIOL, hlood/
ESTRIOL, hlood/ *ESTROGENS, biosynthesis/
ESTROGENS, urine/ FEMALE/
GONADOTROPINS, metabolism/
GONADOTROPINS, pharmacodynamics/
GONADOTROPINS, CHORIONIC, metabolism/
HUMAN/ INJECTIONS/ PLACENTA,
enzymology/ *PREGNANCY/ TIME FACTORS
738. Csaba G, Rados I, Wohlmuth E: Wasting disease and tetany following neonatal pinealectomy.
Acta Med Acad Sci Hung 29:231-40, 1973
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
BRANCHIAL REGION, pathology/ BURSA OF
FABRICIUS, pathology/ CHICKENS/
FEATHERS/ *HOMOLOGOUS WASTING
DISEASE, etiology/ *PINEAL BODY,
physiology/ PINEAL BODY, surgery/
*TETANY, etiology/ THYMUS GLAND,
pathology
739. Csapo A, Pohanka O, Kaihola HL: Letter: Steroid profile of threatened premature labour.
Lancet 2:1097-8, 10 Nov 73
*ESTRADIOL, hlood/ FEMALE/
GESTATIONAL AGE/ HUMAN/ *LABOR,
PREMATURE, hlood/ LABOR, PREMATURE,
prevention & control/ PREGNANCY/
PREGNANCY COMPLICATIONS, hlood/
*PROGESTERONE, hlood
740. Cséplí J, Erdélyi A: Reactivity of the uterine arteries in the rat during oestrus and pregnancy.
Acta Chir Acad Sci Hung 14:153-64, 1973
ANIMAL EXPERIMENTS/ CASTRATION/
DRUG SYNERGISM/ ESTRADIOL, physiology/
ESTROGENS, physiology/ *ESTRUS/ FEMALE/
MALE/ *NOREPINEPHRINE,
pharmacodynamics/ *OXYTOCIN,
pharmacodynamics/ PREGNANCY/
*PREGNANCY, ANIMAL/ PROGESTERONE,
physiology/ RATS/ *UTERUS, blood supply
741. Csonka I, Czelzei E: Levelek: Az Ikerterhességék gyakoriságáról. Orv Hetil 114:2629, 28 Oct 73 (Hung)
CLOMIPHENE, pharmacodynamics/
CONTRACEPTIVES, ORAL, pharmacodynamics/
FEMALE/ HUMAN/ HUNGARY/ OVULATION,
drug effects/ PREGNANCY/ *PREGNANCY,
MULTIPLE/ PREGNANCY, MULTIPLE, drug
effects/ STATISTICS
742. Cuba-Caparró A, Myers DM: Pathogenesis of epididymitis caused by Brucella ovis in laboratory animals. Am J Vet Res 34:1077-85, Aug 73
ANIMAL EXPERIMENTS/ *ANIMALS,
LABORATORY/ BRUCELLA, isolation &
purification/ BRUCELOSIS, immunology/
BRUCELOSIS, pathology/ *BRUCELOSIS,
veterinary/ EPIDIDYMITIS, pathology/
EPIDIDYMITIS, immunology/ EPIDIDYMITIS,
microbiology/ EPIDIDYMITIS, pathology/
*EPIDIDYMITIS, veterinary/ GERBILS/
GUINEA PIGS/ HAMSTERS/ INJECTIONS/
INJECTIONS, INTRAPERITONEAL/
INJECTIONS, INTRAVENOUS/ MALE/ MICE/
RABBITS/ RATS/ SHEEP/ SHEEP DISEASES,
microbiology/ TESTIS, microbiology/ TESTIS,
pathology
743. Cuddigan JH: Quadriceps femoris strength. Rheumatol Phys Med 12:77-83, May 73
ADULT/ AGE FACTORS/ AGED/ ARTHRITIS,
RHEUMATOID, drug therapy/ *ARTHRITIS,
RHEUMATOID, physiopathology/
BIOMECHANICS/ ELECTRONICS, MEDICAL,
instrumentation/ FATIGUE/ FEMALE/
HUMAN/ *KNEE JOINT/ MALE/ MIDDLE
AGE/ *MOVEMENT/ MUSCLE CONTRACTION/
MUSCLE TONUS/ MUSCLES, physiology/
*MUSCLES, physiopathology/ PREDNISONE,
therapeutic use/ SEX FACTORS/ SYNOVIAL
MEMBRANE, surgery/ THIGH
744. Cuello AC: Ultrastructural characteristics and innervation of the pineal organ of the Antarctic seal Leptonychotes weddellii. J Morphol 141:217-26, Oct 73
AXONS, cytology/ CONNECTIVE TISSUE
CELLS, cytology/ CYTOPLASMIC GRANULES/
DESMOSOMES/ ENDOPLASMIC RETICULUM/
MICROSCOPY, ELECTRON/ NERVE
ENDINGS/ NEUROGLIA, cytology/ *PINEAL
BODY, cytology/ PINEAL BODY, innervation/
*PINNIPEDIA, anatomy & histology/
SYNAPSES, cytology
745. Cuello AC, Horn AS, Mackay AV, et al: Letter: Catecholamines in the median eminence: new evidence for a major noradrenergic input. Nature 243:465-7, 22 Jun 73
ANIMAL EXPERIMENTS/ BENZOTROPINE,
pharmacodynamics/ CORPUS STRIATUM,
metabolism/ DEPRESSION, CHEMICAL/
DESIPRAMINE, pharmacodynamics/
DOPAMINE, analysis/ *DOPAMINE,
metabolism/ HYPOTHALAMO-HYPOPHYSAL
SYSTEM, analysis/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM,
metabolism/ MALE/ METHODS/
METHYLATION/ METHYLTRANSFERASES/
MICROSCOPY, FLUORESCENCE/ NERVE
ENDINGS, metabolism/ NOREPINEPHRINE,
analysis/ *NOREPINEPHRINE, metabolism/
RATS/ TEMPERATURE/ TRITIUM
746. Cuello AC, Weiner RI, Ganong WF: Effect of lateral deafferentation on the morphology and catecholamine content of the mediobasal hypothalamus. Brain Res 59:191-200, 14 Sep 73
ANIMAL EXPERIMENTS/ DENERVATION/
*DOPAMINE, analysis/ FEMALE/
HYPOTHALAMO-HYPOPHYSAL SYSTEM,
anatomy & histology/ HYPOTHALAMUS,
analysis/ *HYPOTHALAMUS, anatomy &
histology/ MEDULLA OBLONGATA, anatomy
& histology/ MICROSCOPY, ELECTRON/
*NERVE DEGENERATION/ NEURAL
INTERCONNECTIONS, anatomy & histology/

AUTHOR SECTION

- NEURONS/ *NOREPINEPHRINE, analysis/
RATS/ THALAMIC NUCLEI, anatomy &
histology
747. Cuervo LA, Pita JC, Howell DS: Inhibition of calcium phosphate mineral growth by proteoglycan aggregate fractions in a synthetic lymph. *Calcif Tissue Res* 13:1-10, 1973
ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCIUM PHOSPHATES/ CATTLE/ CRYSTALLIZATION/ LYMPH/ *MUCOPOLYSACCHARIDES, pharmacodynamics/ RATS/ ULTRACENTRIFUGATION
748. Culp DA, Boatman DL, Wlison VB: Testicular tumors: 40 years' experience. *J Urol* 110:548-53, Nov 73
ADOLESCENCE/ ADULT/ CASTRATION/ CHILD/ CHILD, PRESCHOOL/ CHORIOCARCINOMA, drug therapy/ CHORIOCARCINOMA, mortality/ CHORIOCARCINOMA, radiotherapy/ CHORIOCARCINOMA, surgery/ DISGERMINOMA, drug therapy/ DISGERMINOMA, mortality/ DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ HUMAN/ INFANT/ LYMPH NODE EXCISION/ MALE/ MIDDLE AGE/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, mortality/ TERATOID TUMOR, radiotherapy/ TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, therapy
749. Culzoni V, Gabbi C: Geschlechts- oder Barr-Chromatin bei der Ente (Anas platyrhynchos) und Taube (Columba livia). *Zentralbl Veterinärmed [C]* 2:54-60, Mar 73 (Ger)
ANIMAL EXPERIMENTS/ DNA, biosynthesis/ DNA REPLICATION/ *DUCKS, anatomy & histology/ ENGLISH ABSTRACT/ FEMALE/ MALE/ *PIGEONS, anatomy & histology/ *SEX CHROMATIN
750. Cummings JF, Lorenz MD, De Lahunta A, et al: Canine brachial plexus neuritis: a syndrome resembling serum neuritis in man. *Cornell Vet* 63:589-617, Oct 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BIOPSY/ *BRACHIAL PLEXUS/ *DOG DISEASES/ DOG DISEASES, immunology/ DOG DISEASES, pathology/ DOGS/ EDEMA, veterinary/ ELECTROMYOGRAPHY/ FEMALE/ HORSES, immunology/ HUMAN/ MEAT/ MICROSCOPY, ELECTRON/ NERVE DEGENERATION/ NEURAL CONDUCTION/ NEURITIS, immunology/ NEURITIS, pathology/ *NEURITIS, veterinary/ PARESIS, veterinary/ PREDNISOLONE, therapeutic use/ *SERUM SICKNESS, veterinary/ SYNDROME, veterinary/ URTICARIA, veterinary/ VOMITING, veterinary
751. Cummins PA, Fox H, Langley FA: An electron-microscope study of a dysgenetic gonad containing a focus of apparent gonadoblastoma. *J Pathol* 110:plv, Jul 73
DISGERMINOMA, complications/ *DISGERMINOMA, pathology/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, pathology
752. Curci S, Svelto M, Micelli S, et al: Permeability properties of epithella as compared to lipid bilayer membranes. *Arch Int Physiol Biochim* 81:283-6, May 73
ACETAMIDES, metabolism/ ALKANES/ ANIMAL EXPERIMENTS/ BLADDER, metabolism/ BUFO BUFO/ CARBON ISOTOPES/ *EPITHELIUM/ FORMAMIDE, metabolism/ FROGS/ GALLBLADDER, metabolism/ IN VITRO/ INTESTINAL ABSORPTION/ INTESTINE, LARGE, metabolism/ INTESTINE, SMALL, metabolism/ LECITHINS/ *LIPIDS/ *MEMBRANES, ARTIFICIAL/ METHYLATION/ PERMEABILITY/ RANA ESCULENTA/ SKIN
- ABSORPTION/ THIOUREA, metabolism/ TURTLES
753. Curtis-Prior PB: Action of propranolol on lipolysis induced by catecholamine, dibutyryl cyclic AMP and serum. *Biochem Pharmacol* 22:2198-9, 1 Sep 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CATECHOLAMINES, antagonists & inhibitors/ *CATECHOLAMINES, pharmacodynamics/ CELLS, metabolism/ DIBUTYRYL CYCLIC AMP, antagonists & inhibitors/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ *IMMUNE SERUMS, pharmacodynamics/ IN VITRO/ *LIPIDS, metabolism/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics
754. Curzon G, Knott PJ: Drugs influencing plasma and brain tryptophan. *Br J Pharmacol* 48:352P-353P, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY, drug effects/ FATTY ACIDS, NONESTERIFIED, blood/ FOOD DEPRIVATION/ HYDROXYINDOLEACETIC ACID, analysis/ INSULIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ NICOTINIC ACID, pharmacodynamics/ PROTEIN BINDING/ RATS/ SEROTONIN, analysis/ SERUM ALBUMIN, metabolism/ TRYPTOPHAN, analysis/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism
755. Cushman P Jr: Plasma testosterone in narcotic addiction. *Am J Med* 55:452-8, Oct 73
ADULT/ ALCOHOLISM, diagnosis/ ASPARTATE AMINOTRANSFERASE, blood/ EJACULATION, drug effects/ *HEROIN ADDICTION, blood/ HEROIN ADDICTION, drug therapy/ HUMAN/ LIBIDO, drug effects/ MALE/ *METHADONE, therapeutic use/ METHADONE, urine/ MORPHINE, urine/ NEW YORK CITY/ PROSPECTIVE STUDIES/ QUININE, urine/ SEX BEHAVIOR, drug effects/ *TESTOSTERONE, blood/ TIME FACTORS
756. Cushman SW, Heindel JJ, Jeanrenaud B: Cell-associated nonesterified fatty acid levels and their alteration during lipolysis in the isolated mouse adipose cell. *J Lipid Res* 14:632-42, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ EPIDIDYMS/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, analysis/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEEDBACK/ GLUCOSE/ GLUTARALDEHYDE/ GLYCERIN, analysis/ IN VITRO/ INSULIN, pharmacodynamics/ *LIPID MOBILIZATION, drug effects/ MALE/ MICE/ OLEIC ACID, pharmacodynamics/ PROPANOLOL, pharmacodynamics/ PYRUVATES/ SERUM ALBUMIN
757. Cutroneo KR, Scott DF: The diurnal variation of peptidyl proline hydroxylase activity in different tissues of the rat. *Biochim Biophys Acta* 320:227-31, 14 Sep 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ AORTA, enzymology/ *CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ DARKNESS/ HYDROCORTISONE, pharmacodynamics/ LIGHT/ LIVER, drug effects/ LIVER, enzymology/ LUNG, enzymology/ MALE/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PEPTIDES/ *PROLINE HYDROXYLASE, metabolism/ RATS/ SKIN, enzymology/ TIME FACTORS/ TRITIUM
758. Czajka-Narins DM, Miller SA, Browning M: Studies of the protein requirement of the neonatal rat. *J Nutr* 103:1608-15, Nov 73

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BODY COMPOSITION/ BODY WEIGHT/ *CASEIN, administration & dosage/ *DIETARY PROTEINS, administration & dosage/ FEMALE/ LACTATION/ LIPIDS, metabolism/ LIVER, anatomy & histology/ LIVER, metabolism/ *MILK PROTEINS, administration & dosage/ NITROGEN, metabolism/ NUTRITIONAL REQUIREMENTS/ ORGAN WEIGHT/ PREGNANCY/ PROTEINS, metabolism/ RATS/ TUBE FEEDING
759. Czekala Z: Angiographic localisation of a pheochromocytoma in the organ of Zuckerkandl. Report of a case.
Acta Radiol [Diagn] (Stockh) 14:491-4, Jul 73
ADULT/ ANGIOGRAPHY/ CHROMAFFIN SYSTEM, blood supply/ *CHROMAFFIN SYSTEM, radiography/ FEMALE/ HUMAN/ MESENTERIC ARTERIES, radiography/ PHEOCHROMOCYTOMA/ *PHEOCHROMOCYTOMA, radiography/ REGIONAL BLOOD FLOW
760. Czerniakowska K, Kotowicz J: Elektrolity i zasób zasad w surowicy krwi u osób z ciężką utajoną.
Pol Tyg Lek 28:1355-7, 27 Sep 73 (Pol)
ADOLESCENCE/ ADULT/ ALKALIES, blood/ CALCIUM, blood/ CHLORIDES, blood/ *ELECTROLYTES, blood/ ENGLISH ABSTRACT/ HUMAN/ MAGNESIUM, blood/ PHOSPHATES, blood/ POTASSIUM, blood/ SODIUM, blood/ *TETANY, blood
761. Czygan PJ, Reich W: Der akute Rückkoppelungseffekt exogen zugeführter Oestrogene auf die Serum-Gonadotropinspiegel in der Prä- und Postmenopause.
Arch Gynaekol 215:17-38, 25 May 73 (Ger)
ADULT/ AGE FACTORS/ AGED/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ LH-FSH RELEASING HORMONE, physiology/ *MENOPAUSE/ MESTRANOL, pharmacodynamics/ MIDDLE AGE/ *OVULATION, drug effects
- D**
762. Dąbek T, Heyda J: Wnętrostwo przyczyną niedrożności przewodu pokarmowego.
Wlad Lek 26:1843-4, 1 Oct 73 (Pol)
ADULT/ *CRYPTORCHISM, complications/ CRYPTORCHISM, surgery/ HUMAN/ *INTESTINAL OBSTRUCTION, etiology/ MALE
763. Dacou-Voutetakis C: Proceedings: Screening for congenital hypothyroidism: a preliminary report.
Arch Dis Child 48:826, Oct 73
CHILD, PRESCHOOL/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, occurrence/ INFANT/ INFANT, NEWBORN/ KNEE, radiography/ POPULATION SURVEILLANCE
764. Dafny N, Gilman S: Characterization of spontaneous unit activity in hypothalamus and reticular formation recorded with semi-microelectrodes.
Brain Res 59:243-55, 14 Sep 73
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ ELECTRODES/ *HYPOTHALAMUS, physiology/ *MESENCEPHALON, physiology/ RATS/ *RETICULAR FORMATION, physiology
765. Dafny N, Phillips MI, Taylor AN, et al: Dose effects of cortisol on single unit activity in hypothalamus, reticular formation and hippocampus of freely behaving rats correlated with plasma steroid levels.
Brain Res 59:257-72, 14 Sep 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROENCEPHALOGRAPHY/ FEEDBACK/ *HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, physiology/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, blood/ HYDROCORTISONE, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ *MESENCEPHALON, drug effects/ MESENCEPHALON, physiology/ MOVEMENT, drug effects/ RATS/ *RETICULAR FORMATION, drug effects/ RETICULAR FORMATION, physiology
766. Dahlström A, Häggendal J, Rosengren B: The effect of roentgen irradiation on monoamine containing neurons in the rat brain.
Acta Radiol [Ther] (Stockh) 12:191-200, Jun 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ *BRAIN, radiation effects/ *BRAIN CHEMISTRY, radiation effects/ *DOPAMINE, radiation effects/ *HYPOTHALAMUS, radiation effects/ MALE/ MICROSCOPY, FLUORESCENCE/ *NEURONS, radiation effects/ *NOREPINEPHRINE, radiation effects/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS/ SALIVARY GLANDS, radiation effects/ *SEROTONIN, radiation effects
767. Dahnke HG: Cytomorphologische Voraussetzung des Vesikulardrüsenepithels für die Wirkung von Testosteron.
Experientia 29:1148-9, 15 Sep 73 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, drug effects/ INJECTIONS, SUBCUTANEOUS/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ RATS/ SEMINAL VESICLES, cytology/ SEMINAL VESICLES, drug effects/ *SEMINAL VESICLES, growth & development/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics
768. Daigleish J, Leon CM: Letter: Adrenal failure in bronchial asthma. Br Med J 4:422-3, 17 Nov 73
ADMINISTRATION, ORAL/ *ADRENAL GLAND HYPOFUNCTION, etiology/ AEROSOLS/ *ASTHMA, complications/ ASTHMA, drug therapy/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, therapeutic use/ HUMAN/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use
769. Dallenbach-Hellweg G: Therapieschäden in der Gynäkologie (Morphologische Beobachtungen über die Auswirkungen weiblicher Sexual hormone und von Stoffen mit ähnlicher Wirkung) (Referat. Verh Dtsch Ges Kreislaufrorsch 56:252-83, 1972 (Ger)
ADULT/ ANIMAL EXPERIMENTS/ CONTRACEPTIVES, ORAL, adverse effects/ DOGS/ ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ *ESTROGENS, adverse effects/ FEMALE/ *GYNECOLOGIC DISEASES, chemically induced/ GYNECOLOGIC NEOPLASMS, chemically induced/ HUMAN/ MICE/ MONKEYS/ OVARY, pathology/ PROGESTATIONAL HORMONES, administration & dosage/ *PROGESTATIONAL HORMONES, adverse effects
770. Damas J: Sur l'antagonisme exercé par le sandomigram (BC 105) sur quelques propriétés de la bradykinine.
Arch Int Pharmacodyn Ther 204:150-61, Jul 73 (Fre)
ADRENAL MEDULLA, drug effects/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ATROPINE, antagonists & inhibitors/ BENZOCYCLOHEPTENES, pharmacodynamics/ BLOOD PRESSURE, drug effects/ *BRADYKININ, antagonists & inhibitors/ BRADYKININ, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUANETHIDINE, antagonists & inhibitors/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ ILEUM, drug effects/ IN

AUTHOR SECTION

- VITRO/ KININASE II, blood/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PIPERIDINES, pharmacodynamics/ RATS/ RECEPTORS, DRUG, drug effects/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ *THIOPHENES, pharmacodynamics/ TYRAMINE, pharmacodynamics
2. Dambacher MA, Guncaga J, Heitz P, et al: Calcitonin und medulläres Schilddrüsenkarzinom. *Tber Umsch* 30:740-6, Oct 73 (Ger)
*CALCITONIN, therapeutic use/ CARCINOMA, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, drug therapy/ OSTETIS DEFORMANS, drug therapy/ *THYROID NEOPLASMS, drug therapy
3. Damian E, Ianăş O, Bădescu I: Acţiunea polipeptidelor pineale în ateroscleroza experimentală. *Stud Cercet Endocrinol* 24:393-403, 1973 (Rum)
ANIMAL EXPERIMENTS/
*ARTERIOSCLEROSIS, prevention & control/ CHOLESTEROL/ CHOLESTEROL, metabolism/ LIPIDS, blood/ LIVER, metabolism/
*PEPTIDES, therapeutic use/ *PINEAL BODY/ RABBITS/ *TISSUE EXTRACTS, therapeutic use
4. D'Angelo SA, Wall NR: Maternal-fetal endocrine interrelations in the rat: effects of cyclic and dibutyl cyclic AMP on pituitary-thyroid and adrenocortical systems in mother and neonate. *Proc Soc Exp Biol Med* 143:941-7, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CORTICOTROPIN, secretion/
FEMALE/ FETUS, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/
*MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/
PREGNANCY/ RATS/ THYROID GLAND, drug effects/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, secretion
5. Daniel HJ 3d, Shambaugh GE Jr, Fisch U: Fluoride and clinical otosclerosis. *Arch Otolaryngol* 98:327-9, Nov 73
ADULT/ AGED/ BONE AND BONES, analysis/
CHICAGO/ COMPARATIVE STUDY/ *EAR OSSICLES, analysis/ FEMALE/
FLUORIDATION/ *FLUORIDES, analysis/
FLUORIDES, therapeutic use/ HUMAN/
MALE/ MIDDLE AGE/ *OTOSCLEROSIS, occurrence/ OTOSCLEROSIS, prevention & control/ RESIDENCE CHARACTERISTICS/
SODIUM/ STATISTICS/ SWITZERLAND
6. Daniels-Severs A, Goodwin A, Kell LC, et al: Effect of chronic crowding and cold on the pituitary-adrenal system: responsiveness to an acute stimulus during chronic stress. *Pharmacology* 9:348-56, 1973
ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *COLD/ CORTICOSTERONE, metabolism/ *CROWDING/ GROWTH, drug effects/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/
RATS/ STRESS, metabolism/ *STRESS, physiology/ *TESTIS, physiology/ TIME FACTORS
7. Danö P, Jarnum S, Nielsen OV: Intestinal shunt-operation in obesity. A comparison of three types of operation. *Scand J Gastroenterol* 8:457-64, 1973
ADOLESCENCE/ ADULT/ BILE ACIDS AND SALTS, analysis/ COMPARATIVE STUDY/
DIARRHEA, etiology/ ENZYMES, blood/
FEMALE/ FOLIC ACID, metabolism/
FROEHLICH'S SYNDROME, surgery/ HUMAN/
*ILEUM, surgery/ INTESTINAL ABSORPTION/
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VITAMIN B 12, metabolism/
WATER-ELECTROLYTE BALANCE
777. Danowski TS, Fisher ER, Stephan T, et al: 17(OH) corticosteroid and estrogen excretion with virilizing adrenal tumors. *Horm Res* 4:34-42, 1973
*ADENOMA, VIRILIZING, metabolism/
ADENOMA, VIRILIZING, pathology/
*ADRENAL GLAND NEOPLASMS, metabolism/
ADRENAL GLAND NEOPLASMS, pathology/
ADULT/ BLOOD SUGAR/ *ESTROGENS, metabolism/ ESTROGENS, urine/ FEMALE/
HUMAN/ *17-HYDROXYCORTICOSTEROIDS, metabolism/ 17-KETOSTEROIDS, urine/
PREGNANEDIOL, metabolism/
PREGNANETRIOL, metabolism
778. Danowski TS, Wilson HR, Khurana RC, et al: Effects of a progestin, quingestanol, in older diabetic women. *Horm Res* 4:84-96, 1973
AGED/ ALANINE AMINOTRANSFERASE, blood/ ALKALINE PHOSPHATASE, blood/
ASPARTATE AMINOTRANSFERASE, blood/
BILIRUBIN, blood/ BLOOD PROTEIN ELECTROPHORESIS/ CHOLESTEROL, blood/
*CONTRACEPTIVES, ORAL, pharmacodynamics/ CREATININE, metabolism/
DIABETES MELLITUS, drug therapy/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/
FSH, blood/ HUMAN/
11-HYDROXYCORTICOSTEROIDS, blood/
LACTATE DEHYDROGENASE, blood/
LIPOPROTEINS, blood/ MIDDLE AGE/
OSCILLOMETRY/ PHENFORMIN, therapeutic use/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROTEINURIA, physiology/ QUINGESTANOL, pharmacodynamics/ SERUM ALBUMIN, analysis/ SULFONYLUREA COMPOUNDS, therapeutic use/ TRIGLYCERIDES, blood
779. Dansker VL, Raevskii VP, Sorokoumov VA: Izmeneniia tsentral'nogo venoznogo davleniia pri udalenii opukhlei golovnogo mozga. *Vopr Nefrokhil* 36:22-7, Sep-Oct 72 (Rus)
*ADENOMA, CHROMOPHOBE, surgery/
ADOLESCENCE/ ADULT/ ANESTHESIA, INTRATRACHEAL/ ARACHNOIDITIS, surgery/
ASTROCYTOMA, surgery/ *BRAIN NEOPLASMS, surgery/ *CENTRAL VENOUS PRESSURE/ CEREBRAL ANEURYSM, surgery/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MALE/ MIDDLE AGE/ NITROUS OXIDE/
*PITUITARY NEOPLASMS, surgery/
PREANESTHETIC MEDICATION
780. Darnis F: Editorial: Contrôle hépatique du métabolisme des hormones thyroïdiennes. *Acta Gastroenterol Belg* 36:335-44, Jul-Aug 73 (Fre)
BIOLOGICAL TRANSPORT/ BLOOD PROTEINS, biosynthesis/ HUMAN/ *LIVER, physiology/ *THYROID HORMONES, metabolism/ THYROXINE, metabolism
781. Darnis F: Editorial: Hypocalcémie des cirrhoses et troubles du métabolisme hépatique de la vitamine. *Nouv Presse Med* 2:2443-5, 20 Oct 73 (Fre)
CALCIUM, metabolism/ HUMAN/
HYDROXYCHOLECALCIFEROL, metabolism/
*HYPOCALCEMIA, etiology/ INTESTINAL ABSORPTION/ LIVER, metabolism/ *LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, metabolism/ *VITAMIN D, metabolism
782. Das KM, Eastwood MA, McManus JP, et al: The metabolism of salicylazosulphapyridine in ulcerative colitis. I. The relationship between metabolites and the response to treatment in inpatients. *Gut* 14:631-41, Aug 73
ACETYLATION/ ADULT/ AGED/
AMINOSALICYLIC ACID, metabolism/
*COLITIS, ULCERATIVE, metabolism/
CORTICOTROPIN, therapeutic use/ HUMAN/
INJECTIONS, INTRAMUSCULAR/ MIDDLE AGE/ PHENOTYPE/ PREDNISOLONE, therapeutic use/

AUTHOR SECTION

- SALICYLAZOSULFAPYRIDINE, blood/
*SALICYLAZOSULFAPYRIDINE, metabolism/
SIGMOIDOSCOPY/ TABLETS/ TABLETS,
ENTERIC-COATED
783. Das PB, Gupta RP, John S: Thymic tumors and their management. *Int Surg* 58:780-3, Nov-Dec 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
COBALT RADIOISOTOPES, therapeutic use/
FEMALE/ HUMAN/ INDIA/ MALE/
*MEDIASINAL NEOPLASMS/ MEDIASINAL
NEOPLASMS, diagnosis/ MIDDLE AGE/
MYASTHENIA GRAVIS, complications/
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THYMECTOMY, adverse effects/ THYMOMA,
pathology/ *THYMUS NEOPLASMS/ THYMUS
NEOPLASMS, complications/ THYMUS
NEOPLASMS, pathology/ THYMUS
NEOPLASMS, radiotherapy/ THYMUS
NEOPLASMS, surgery
784. Das RM, Martin L: Progesterone inhibition of mouse uterine epithelial proliferation. *J Endocrinol* 59:205-8, Oct 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ DEPRESSION,
CHEMICAL/ EPITHELIAL CELLS, drug
effects/ ESTRADIOL, pharmacodynamics/
FEMALE/ MICE/ MITOSIS, drug effects/
*PROGESTERONE, pharmacodynamics/ TIME
FACTORS/ TRITIUM/ *UTERUS, drug effects/
UTERUS, growth & development
785. Dascălu R, Gozariu L, Florescu O, et al: Efecte comparative ale calcitoninei și glucagonului asupra metabolismului fosfocalcic în disgenesia gonadală Turner. *Stud Cercet Endocrinol* 24:405-13, 1973 (Rum)
ADOLESCENCE/ ADULT/ *CALCITONIN,
pharmacodynamics/ *CALCIUM, metabolism/
*GLUCAGON, pharmacodynamics/ HUMAN/
*PHOSPHORUS, metabolism/ *TURNER'S
SYNDROME, metabolism
786. Daum F, Boley SJ, Cohen MI: Inflammatory bowel disease in the adolescent patient. *Pediatr Clin North Am* 20:933-44, Nov 73 (18 ref.)
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ ANIMAL
EXPERIMENTS/ *COLITIS, ULCERATIVE,
diagnosis/ COLITIS, ULCERATIVE, drug
therapy/ COLITIS, ULCERATIVE, etiology/
COLITIS, ULCERATIVE, pathology/ COLITIS,
ULCERATIVE, surgery/ COLITIS,
ULCERATIVE, therapy/ COLONIC DISEASES,
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diagnosis/ ENTERITIS, REGIONAL, etiology/
ENTERITIS, REGIONAL, pathology/
ENTERITIS, REGIONAL, therapy/ HUMAN/
INTESTINAL NEOPLASMS, diagnosis/
LYMPHOMA, diagnosis/ PARENTERAL
FEEDING/ REVIEW/ RODENTS/
SALICYLAZOSULFAPYRIDINE, therapeutic
use
787. David MH, Kirsop BH: A correlation between oxygen requirements and the products of sterol synthesis in strains of *Saccharomyces cerevisiae*. *J Gen Microbiol* 77:529-31, Aug 73
ERGOSTEROL, biosynthesis/ *OXYGEN
CONSUMPTION/ SACCHAROMYCES
CEREVISIAE, analysis/ *SACCHAROMYCES
CEREVISIAE, metabolism/
SPECTROPHOTOMETRY/ SQUALENE,
biosynthesis/ *STEROLS, biosynthesis
788. Davidoff F, Federman DD: Mixed gonadal dysgenesis. *Pediatrics* 52:725-42, Nov 73
ANEUPLOIDY/ BODY HEIGHT/
CRYPTORCHISM/ FEMALE/ GENITALIA,
growth & development/ *GONADS,
abnormalities/ GONADS, anatomy & histology/
GONADS, embryology/ GROWTH DISORDERS,
etiology/ HUMAN/ KARYOTYPING/ MALE/
MENTAL RETARDATION, etiology/
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CHROMOSOME ABNORMALITIES/ *SEX
DIFFERENTIATION DISORDERS, etiology/
SEX REVERSAL, GONADAL/
SPERMATOGENESIS/ TESTIS, abnormalities/
TESTIS, embryology/ TESTOSTERONE,
biosynthesis/ UTERUS,
growth & development/ VIRILISM
789. Davidson DC, Ford JA, McIntosh WB: Proceedings: Study of enzyme induction in epileptic children. *Arch Dis Child* 48:831, Oct 73
ADIPIC ACID, urine/ CHILD/ ENZYME
INDUCTION/ *EPILEPSY, enzymology/
GLUTAMYL TRANSPEPTIDASE, blood/
HUMAN/ MICROSOMES, LIVER, enzymology/
RICKETS, metabolism/ SUGAR ACIDS, urine/
VITAMIN D, metabolism
790. Davidson SI: Nebenwirkungen am Auge durch orale Kontrazeptiva. *Klin Monatsk Augenheilkd* 162:800-2, Jun 73 (Ger)
CEREBROVASCULAR DISORDERS, chemically
induced/ CONTACT LENSES/
*CONTRACEPTIVES, ORAL, adverse effects/
EDEMA, chemically induced/ ENGLISH
ABSTRACT/ *EYE DISEASES, chemically
induced/ FEMALE/ HUMAN/ RETINAL
DISEASES, chemically induced/ RETINAL
VESSELS
791. Davies BN, Withington PG: The actions of drugs on the smooth muscle of the capsule and blood vessels of the spleen. *Pharmacol Rev* 25:373-413, Sep 73 (262 ref.)
ADRENERGIC ALPHA RECEPTOR
BLOCKADERS, pharmacodynamics/
ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *BLOOD VESSELS, drug
effects/ BODY WEIGHT/ CATECHOLAMINES,
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NERVOUS SYSTEM, physiology/
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pharmacodynamics/ PROTAGLANDINS,
pharmacodynamics/ RABBITS/ RATS/
REGIONAL BLOOD FLOW, drug effects/
REVIEW/ SEROTONIN, pharmacodynamics/
SPLEEN, anatomy & histology/ SPLEEN,
blood supply/ *SPLEEN, drug effects/
SPLEEN, innervation/ SYMPATHETIC
NERVOUS SYSTEM, physiology/
VASOPRESSIN, pharmacodynamics
792. Davies D: Treatment of rapidly progressive rheumatoid pneumoconiosis. *Br J Ind Med* 30:396-401, Oct 73
ADULT/ *CAPLAN'S SYNDROME, drug
therapy/ *CHLOROQUINE, therapeutic use/
COAL MINING/ HUMAN/ LUNG, radiography/
MALE/ MIDDLE AGE/ *PREDNISOLONE,
therapeutic use/ SPIROMETRY
793. Davies DH, Carmichael LE: Role of cell-mediated immunity in the recovery of cattle from primary and recurrent infections with infectious bovine rhinotracheitis virus. *Infect Immun* 8:510-8, Oct 73
*CATTLE DISEASES, immunology/
CORTICOTROPIN, therapeutic use/
DEXAMETHASONE, therapeutic use/
GLUCOCORTICIDS, therapeutic use/
*IMMUNITY, CELLULAR/
IMMUNOSUPPRESSION/ INFECTIOUS BOVINE
RHINOTRACHEITIS/ INFECTIOUS BOVINE
RHINOTRACHEITIS, drug therapy/
INFECTIOUS BOVINE RHINOTRACHEITIS,
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TRANSFORMATION/ MUCUS, immunology/
MUCUS, microbiology/ NASAL MUCOSA,
immunology/ NASAL MUCOSA, microbiology/
PLANT AGGLUTININS, pharmacodynamics/
TEARS, immunology/ TEARS, microbiology/
TRIGEMINAL NERVE, surgery
794. Davies GE, Evans DP: Studies with two new phosphodiesterase inhibitors (ICI 58,301 and ICI 63197) on anaphylaxis in guinea pigs, mice and rats. *Int Arch Allergy Appl Immunol* 45:467-78, 1973
ACETAMIDES, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/

AUTHOR SECTION

- *ANAPHYLAXIS/ ANIMAL EXPERIMENTS/
FREUND'S ADJUVANT/ GERM-FREE LIFE/
GUINEA PIGS/ IGE, analysis/ IMMUNE
SERUMS/ LUNG, immunology/ MICE/
OVALBUMIN/ PASSIVE CUTANEOUS
ANAPHYLAXIS, drug effects/ PERTUSSIS
VACCINE/ *PHOSPHODIESTERASES,
antagonists & inhibitors/ PRECIPITINS,
analysis/ *PYRAZINES, pharmacodynamics/
*PYRIMIDINES, pharmacodynamics/ RATS/
TRIAZOLES, pharmacodynamics
795. Davies IJ, Ryan KJ: Glucocorticoid synthesis from
pregnenolone by sheep foetal adrenals in vitro.
J Endocrinol 58:485-91, Sep 73
*ADRENAL GLANDS, metabolism/
ANDROSTENEDIONE, biosynthesis/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY/
CORTICOSTERONE, biosynthesis/
DEHYDROEPIANDROSTERONE, biosynthesis/
*FETUS, metabolism/ GESTATIONAL AGE/
*GLUCOCORTICOIDS, biosynthesis/
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HYDROXYPROGESTERONE, biosynthesis/ IN
VITRO/ *PREGNENOLONE, metabolism/
PROGESTERONE, biosynthesis/
RADIOISOTOPE DILUTION TECHNIC/
*SHEEP, metabolism
796. Davis HL Jr, Wiseley AN, Ramirez G, et al:
Hypercalcemia complicating breast cancer. Clinical
features and management. Oncology 28:126-37, 1973
ADRENALECTOMY, adverse effects/ BONE
NEOPLASMS/ *BREAST NEOPLASMS,
complications/ DIET THERAPY/ FEMALE/
HUMAN/ HYDROCORTISONE, therapeutic use/
*HYPERCALCEMIA, complications/
HYPERCALCEMIA, diagnosis/
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HYPERCALCEMIA, therapy/ MITHRAMYCIN,
therapeutic use/ NEOPLASM METASTASIS/
PLASMA SUBSTITUTES, therapeutic use/
PREDNISONE, therapeutic use
797. Davis JN, Carlsson A: The effect of hypoxia on
monoamine synthesis, levels and metabolism in rat
brain. J Neurochem 21:783-90, Oct 73
ANIMAL EXPERIMENTS/ ANOXIA,
enzymology/ *ANOXIA, metabolism/ BIOGENIC
AMINES, biosynthesis/ *BIOGENIC AMINES,
metabolism/ BRAIN, drug effects/ BRAIN,
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metabolism/ DOPAMINE, metabolism/
FLUOROMETRY/ HOMOVANILLIC ACID,
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PROBENECID, pharmacodynamics/ RATS/
SEROTONIN, metabolism/ TRYPTOPHAN,
metabolism/ TRYPTOPHAN HYDROXYLASE,
metabolism/ TYROSINE HYDROXYLASE,
metabolism
798. Davis JO: The control of renin release.
Am J Med 55:333-50, Sep 73 (117 ref.)
ANGIOTENSIN II, pharmacodynamics/
ANIMAL EXPERIMENTS/ CATECHOLAMINES,
physiology/ DENERVATION/ DOGS/
FEEDBACK/ HEMORRHAGE, enzymology/
HYPERTENSION, RENAL, enzymology/
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*RECEPTORS, DRUG/ RECEPTORS, DRUG,
drug effects/ RENAL ARTERY/ RENAL
ARTERY, innervation/ *RENIN, secretion/
REVIEW/ SODIUM CHLORIDE,
pharmacodynamics/ VASOPRESSIN,
pharmacodynamics
799. Davis PJ, Handwerker BS: Thyroid hormone binding in
dog plasma. Endocrinology 93:1445-8, Dec 73
BINDING, COMPETITIVE/ *BLOOD
PROTEINS, metabolism
- DIPHENYLHYDANTOIN, pharmacodynamics/
ELECTROPHORESIS, POLYACRYLAMIDE
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HYDROGEN-ION CONCENTRATION/ IODINE
RADIOISOTOPES/ *PROTEIN BINDING/
*SERUM ALBUMIN, metabolism/
*THYROXINE, metabolism/
*TRIIODOTHYRONINE, metabolism
800. Davison FW: Hyperplastic rhinosinusitis. A twenty
year review.
Ann Otol Rhinol Laryngol 82:703-8, Sep-Oct 73
ADRENAL CORTEX HORMONES, therapeutic
use/ ANTIBIOTICS, therapeutic use/
BACTERIAL INFECTIONS, complications/
CHRONIC DISEASE/ DIAGNOSIS,
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etiology/ *SINUSITIS/ SINUSITIS, diagnosis/
SINUSITIS, drug therapy/ SINUSITIS,
etiology/ SINUSITIS, surgery/ SPHENOID
SINUS, surgery
801. Daw E: Ectopic ovarian tissue: case report of an unusual
presentation. Am J Obstet Gynecol 117:576-7, 15 Oct 73
*ABDOMEN, ACUTE, diagnosis/ ADULT/
*APPENDICITIS, diagnosis/ CASE REPORT/
DIAGNOSIS, DIFFERENTIAL/ FEMALE/
HUMAN/ *OVARIAN DISEASES/ OVARY,
anatomy & histology/ OVARY, surgery
802. Dawes C, Ong BY: Circadian rhythms in the
concentrations of protein and the main electrolytes in
human unstimulated parotid saliva.
Arch Oral Biol 18:1233-42, Oct 73
ADRENAL GLANDS, drug effects/
CHLORIDES, analysis/ *CIRCADIAN RHYTHM/
DEPRESSION, CHEMICAL/
DEXAMETHASONE, pharmacodynamics/
HUMAN/ HYDROCORTISONE, blood/
MAGNESIUM, analysis/ *PAROTID GLAND,
analysis/ PAROTID GLAND, physiology/
PHOSPHATES, analysis/ POTASSIUM, analysis/
*PROTEINS, analysis/ *SALIVA, analysis/
SODIUM, analysis
803. Day MD, Moore AF: Potentiation by angiotensin II of
noradrenaline-induced contractions of a rabbit
isolated thoracic aorta.
Br J Pharmacol 48:338P-339P, Jun 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ AORTA, THORACIC, drug
effects/ CALCIUM, metabolism/ CELL
MEMBRANE PERMEABILITY, drug effects/
DRUG SYNERGISM/ IN VITRO/ *MUSCLE
CONTRACTION, drug effects/ MUSCLE,
SMOOTH, drug effects/ MUSCLE, SMOOTH,
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inhibitors/ NOREPINEPHRINE, metabolism/
*NOREPINEPHRINE, pharmacodynamics/
RABBITS/ RECEPTORS, ADRENERGIC, drug
effects/ SODIUM, metabolism
804. De Gaetano G, Vermylen J, Verstraete M: Platelet
aggregation by Thromboxan. Studies on the
mechanism of action. Experientia 29:1136-7, 15 Sep 73
ADENOSINE DIPHOSPHATE, metabolism/
ADENOSINE DIPHOSPHATE,
pharmacodynamics/ BLOOD COAGULATION
FACTORS/ BLOOD PLATELETS, metabolism/
CALCIUM/ CARBON RADIOISOTOPES/
EPINEPHRINE, pharmacodynamics/ HUMAN/
*INDICATORS AND REAGENTS,
pharmacodynamics/ *PLATELET
ADHESIVENESS, drug effects/ SEROTONIN,
metabolism/ *THROMBOPLASTIN,
pharmacodynamics
805. Dean RH, Foster JH: Criteria for the diagnosis of
renovascular hypertension. Surgery 74:926-30, Dec 73
AORTOGRAPHY/ COMPARATIVE STUDY/
HUMAN/ *HYPERTENSION, RENAL,
diagnosis/ HYPERTENSION, RENAL, surgery/
*KIDNEY FUNCTION TESTS, standards/

AUTHOR SECTION

- METHODS/ RENAL ARTERY OBSTRUCTION, complications/ RENAL VEINS/ RENIN, blood
806. Deanesly R: Termination of early pregnancy in rats after ovariectomy is due to immediate collapse of the progesterone-dependent decidua.
J Reprod Fertil 35:183-6, Oct 73
*ABORTION, etiology/ ANIMAL EXPERIMENTS/ *CASTRATION/ *DECIDUA, physiopathology/ FEMALE/ MITOSIS/ PREGNANCY/ *PROGESTERONE, physiology/ PROGESTERONE, therapeutic use/ RATS
 807. Debeljuk I, Arimura A, Schally AV: Effect of estradiol on the response to LH-RH in male rats at different times after castration.
Proc Soc Exp Biol Med 143:1164-7, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FSH, secretion/ *LH, secretion/ MALE/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ RATS/ *TESTIS, physiology/ TIME FACTORS
 808. De Blasio R, Stanisic M, Reutter FW: Diffuse Lungenfibrose bei Panarteriitis nodosa.
Schweiz Med Wochenschr 103:1540-3, 3 Nov 73 (Ger)
AGED/ ANTIBIOTICS, therapeutic use/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ AUTOPSY/ BIOPSY/ DIGITALIS GLYCOSIDES, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MUSCLES, pathology/ *PERIARTERITIS NODOSA, complications/ PERIARTERITIS NODOSA, drug therapy/ PERIARTERITIS NODOSA, pathology/ PREDNISOLONE, therapeutic use/ *PULMONARY FIBROSIS, complications/ PULMONARY FIBROSIS, pathology/ PULMONARY FIBROSIS, radiography
 809. Debuch H: Lipido-composition of lipoproteins. (Summary). Ann Biol Clin (Paris) 31:65-7, 1973
CHEMISTRY/ CHOLESTEROL/ FATTY ACIDS/ FATTY ACIDS, UNSATURATED/ GLYCEROPHOSPHATES/ HUMAN/ *LIPOPROTEINS/ PHOSPHOLIPIDS/ PROSTAGLANDINS/ SPHINGOLIPIDS/ TRIGLYCERIDES
 810. DeCicco F, Steele MW, Pan S, et al: Monosomy of chromosome No. 22. A case report.
J Pediatr 83:836-8, Nov 73
*ANEUPLOIDY/ AUTOPSY/ CELLS, CULTURED/ CHEEK, pathology/ *CHROMOSOME ABNORMALITIES, pathology/ *CHROMOSOMES, HUMAN, 21-22/ CYTOLOGICAL TECHNIQUES/ FEMALE/ FIBROBLASTS/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ LUNG, pathology/ LYMPHOCYTES/ SEX CHROMATIN, analysis/ STAINS AND STAINING/ TRYPSIN
 811. Dedov II, Khodzimatov VA: Vliianie gormonov na vodno-solovoi ohmen.
Izv Akad Nauk SSSR [Biol] 4:525-32, Jul-Aug 73 (Rus)
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ MALE/ *METHYLTHIOURACIL, pharmacodynamics/ POTASSIUM, blood/ RATS/ SODIUM, blood/ *TESTOSTERONE, pharmacodynamics/ *THYROXINE, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE, drug effects
 812. DeFrance JF, Kital ST, Shimono T: Electrophysiological analysis of the hippocampal septal projections. II. Functional characteristics.
Exp Brain Res 17:463-76, 30 Jul 73
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BRAIN MAPPING/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ EVOKED POTENTIALS/ *HIPPOCAMPUS, physiology/ INTERNEURONS/ MICE/ RATS
 813. Deftos LJ, Powell D, Parthamore JG, et al: Secretion of calcitonin in hypocalcemic states in man.
J Clin Invest 52:3109-14, Dec 73
CALCITONIN, blood/ *CALCITONIN, secretion/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ HUMAN/ *HYPOCALCEMIA, metabolism/ HYPOPARATHYROIDISM, metabolism/ PENTAGASTRIN, pharmacodynamics/ PSEUDOHYPOPARATHYROIDISM, metabolism
 814. DeGeeter MJ, Hays VW, Kratzer DD, et al: Postweaning performance of pigs from gilts fed diets high and low in protein during gestation and lactation.
J Anim Sci 37:459-62, Aug 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMALS, NEWBORN/ BLOOD PROTEINS, analysis/ BODY WEIGHT/ DIET/ *DIETARY PROTEINS, metabolism/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN, analysis/ *LACTATION/ MALE/ NITROGEN, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SWINE, growth & development/ WEANING
 815. De Gimeno MF, Gimeno AL, Lima F, et al: Effect of polyphloretin-phosphate, an inhibitor of prostaglandins, on the spontaneous and induced motility of isolated rat uterus.
Acta Physiol Lat Am 23:105-12, 1973
ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ IN VITRO/ *MUSCLE CONTRACTION, drug effects/ OVARY/ *PHLORETIN, pharmacodynamics/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, antagonists & inhibitors/ RATS/ UTERUS, analysis/ *UTERUS, drug effects
 816. De Groat WC, Lalley PM: Interaction between picrotoxin and 5-hydroxytryptamine in the superior cervical ganglion of the cat.
Br J Pharmacol 48:233-44, Jun 73
AMINOBUTYRIC ACID, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ AUTONOMIC FIBERS, POSTGANGLIONIC, drug effects/ AUTONOMIC FIBERS, PREGANGLIONIC, drug effects/ CATS/ COCAINE, pharmacodynamics/ CREATININE, pharmacodynamics/ ELECTRIC STIMULATION/ ERGOTAMINE, pharmacodynamics/ EVOKED POTENTIALS, drug effects/ *GANGLIA, SPINAL, drug effects/ NEURAL TRANSMISSION, drug effects/ PARASYMPATHOMIMETICS, pharmacodynamics/ Picrotoxin, pharmacodynamics/ *Picrotoxin, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ *SEROTONIN, pharmacodynamics
 817. De Hertogh R, Ekka E, Vanderheyden I, et al: Subcellular distribution and binding of (6,7-3H) estradiol in rat uterus, after long-term intravenous infusion.
J Steroid Biochem 4:289-99, May 73
ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ DRUG STABILITY/ EDTA/ ESTRADIOL, administration & dosage/ *ESTRADIOL, blood/ ESTRADIOL, metabolism/ FEMALE/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ KINETICS/ OSMOLAR CONCENTRATION/ POTASSIUM CHLORIDE/ RATS/ RECEPTORS, HORMONE/ SUBCELLULAR FRACTIONS, metabolism/ TEMPERATURE/ TIME FACTORS/ TRITIUM/ UTERUS, cytology/ *UTERUS, metabolism
 818. De Hertogh R, Ekka E, Vanderheyden I, et al: Dynamic exchange of (6, 73H) estradiol-17beta at the subcellular level in rat uterus.
J Steroid Biochem 4:301-11, May 73
AGING/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ *ESTRADIOL, blood/ ESTRADIOL, metabolism/ FEMALE/ IN VITRO/ ISOTOPE

AUTHOR SECTION

- LABELING/ KINETICS/ RATS/ RECEPTORS, HORMONE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ TRITIUM/ UTERUS, cytology/ UTERUS, growth & development/ *UTERUS, metabolism
19. De Hertogh R, Ekka E, Vanderheyden I, et al: Slowly exchangeable pool of estradiol in the rat uterus. *J Steroid Biochem* 4:313-20, May 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CARBON RADIOISOTOPES/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ ESTRADIOL, administration & dosage/ *ESTRADIOL, blood/ ESTRADIOL, metabolism/ EVALUATION STUDIES/ FEMALE/ INJECTIONS, INTRAVENOUS/ ISOTOPE LABELING/ METHODS/ RATS/ RECEPTORS, HORMONE/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ TRITIUM/ UTERUS, cytology/ *UTERUS, metabolism
20. Deis RP, Alonso N: Prolactin release induced by synthetic thyrotrophin releasing factor in female rats. *J Endocrinol* 58:673-4, Sep 73
ANIMAL EXPERIMENTS/ FEMALE/ HYPOTHALAMUS, drug effects/ INJECTIONS, INTRAVENOUS/ PITUITARY GLAND, drug effects/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics
21. De Kretser DM, Atkins RC, Paulsen CA: Role of the kidney in the metabolism of luteinizing hormone. *J Endocrinol* 58:425-34, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FEMALE/ GEL FILTRATION/ HALF-LIFE/ IN VITRO/ IODINE ISOTOPES/ *KIDNEY, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ LH, blood/ *LH, metabolism/ LIVER, metabolism/ MALE/ NEPHRECTOMY/ OVUM, physiology/ RATS/ SHEEP/ TESTIS, metabolism/ TIME FACTORS
22. De La Chapelle A, Schröder J: Autoradiographically identified karyotype 49,XXXXY, t(4; 11) (q35; q23) confirmed by banding. *Hereditas* 74:291-2, 1973
CHROMOSOME ABERRATIONS/ HUMAN/ KARYOTYPING/ MALE/ *SEX CHROMOSOME ABNORMALITIES, metabolism/ THYMIDINE/ TRITIUM
23. Delano BG, Baker R, Gardner B, et al: A trial of calcitonin therapy in renal osteodystrophy. *Nephron* 11:287-93, 1973
ADULT/ ALKALINE PHOSPHATASE, blood/ BONE MARROW CELLS, enzymology/ CALCITONIN, administration & dosage/ *CALCITONIN, therapeutic use/ CALCIUM, blood/ CALCIUM RADIOISOTOPES/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, drug therapy/ HYPERPARATHYROIDISM, radiography/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ RENAL OSTEODYSTROPHY, complications/ *RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, therapy/ TIME FACTORS/ UREMIA, drug therapy
24. De la Torre A, Vázquez Fritz G: Asociación del tumor ovárico de la teca-granulosa con carcinomas de endometrio y de mama. *Ginecol Obstet Mex* 28:159-64, Aug 73 (Spa)
*BREAST NEOPLASMS, complications/ ENGLISH ABSTRACT/ FEMALE/ *GRANULOSA CELL TUMOR, complications/ HUMAN/ *NEOPLASMS, MULTIPLE PRIMARY/ *OVARIAN NEOPLASMS, complications/ *UTERINE NEOPLASMS, complications
825. Del Campo CH, Ginther OJ: Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: angioarchitecture in sheep. *Am J Vet Res* 34:1377-85, Nov 73
ANIMAL EXPERIMENTS/ *ARTERIES, anatomy & histology/ *CORPUS LUTEUM, physiology/ ESTRUS/ FEMALE/ METHODS/ OVARY, anatomy & histology/ *OVARY, blood supply/ *SHEEP, anatomy & histology/ UTERUS, anatomy & histology/ *UTERUS, blood supply/ UTERUS, physiology/ *VEINS, anatomy & histology
826. De Lena M, Monfardini S, Beretta G, et al: Clinical trials with intensive chemotherapy and radiotherapy in Hodgkin's disease. *Natl Cancer Inst Monogr* 36:403-20, May 73
ADOLESCENCE/ ADRIAMYCIN, administration & dosage/ ADRIAMYCIN, therapeutic use/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ BLEOMYCIN, administration & dosage/ BLEOMYCIN, therapeutic use/ CHILD/ DRUG THERAPY, COMBINATION/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ MECHLORETHAMINE, administration & dosage/ MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ RADIOTHERAPY DOSAGE/ REMISSION/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use
827. Del Greco F, Burgess JL: Hypertension in terminal renal failure. Observations pre and post bilateral nephrectomy. *J Chronic Dis* 26:471-501, Aug 73
ADOLESCENCE/ ADULT/ ANGIOTENSIN II, pharmacodynamics/ BLOOD PRESSURE, drug effects/ EYE MANIFESTATIONS/ FEMALE/ FUNDUS OCULI/ HEMODIALYSIS/ HEMODYNAMICS/ HUMAN/ HYPERTENSION, physiopathology/ HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, physiopathology/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, physiopathology/ KIDNEY FAILURE, CHRONIC, surgery/ MALE/ MIDDLE AGE/ *NEPHRECTOMY/ NOREPINEPHRINE, pharmacodynamics/ RENIN, antagonists & inhibitors/ RENIN, blood/ TIME FACTORS
828. Dell'Acqua GB, Sensi S: Paraneoplastisches endokrines Syndrom bei einem retroperitonealen Paragangliom. *Munch Med Wochenschr* 115:1171-4, 22 Jun 73 (Ger)
BLOOD SUGAR/ ENGLISH ABSTRACT/ GYNECOMASTIA, complications/ HUMAN/ HYPOGLYCEMIA, complications/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, complications/ *PARAGANGLIOMA, NONCHROMAFFIN, complications/ PARAGANGLIOMA, NONCHROMAFFIN, surgery/ *RETROPERITONEAL NEOPLASMS, complications/ RETROPERITONEAL NEOPLASMS, surgery
829. Dell'Acqua GB, Sensi S: Syndrome endocrinien paranéoplasique consécutif à un volumineux paragangliome malin, non chromaffine, rétroperitonéal. *Cah Med* 14:251-61, Apr 73 (Fre)
*GYNECOMASTIA, etiology/ HUMAN/ *HYPOGLYCEMIA, etiology/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ *PARAGANGLIOMA, NONCHROMAFFIN, complications/ PARAGANGLIOMA, NONCHROMAFFIN, diagnosis/ *RETROPERITONEAL NEOPLASMS, complications
830. Dellling G: Quantitative Auswertung von

AUTHOR SECTION

- Skeletveränderungen bei chronischer Hämodialyse. Verh Dtsch Ges Kreislaufforsch 56:436-8, 1972 (Ger)
ENGLISH ABSTRACT/ *HEMODIALYSIS, adverse effects/ HUMAN/ LONG TERM CARE/ *OSTEOMALACIA, etiology/ OSTEOMALACIA, pathology/ RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, pathology
831. De Loecker W, Stas ML: Effect of cortisol treatment on free amino acid levels in rats. J Endocrinol 59:57-63, Oct 73
AGING/ ALANINE, blood/ *AMINO ACIDS, analysis/ AMINO ACIDS, blood/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, blood/ GLYCINE, blood/ *HYDROCORTISONE, pharmacodynamics/ LIVER, analysis/ LIVER, drug effects/ LIVER, metabolism/ MALE/ MUSCLE PROTEINS, metabolism/ MUSCLES, analysis/ MUSCLES, drug effects/ PROLINE, blood/ RATS/ SERINE, blood
832. DeLuca HF, Kleiner-Bossaller A: Metaboliten von Vitamin D als Hormone in der Regulation des Calcium- und Phosphatstoffwechsels. Monatsschr Kinderheilkd 121:329-37, Jul 73 (Ger)
ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC, drug effects/ *CALCIUM, metabolism/ DIHYDROTACHYSTEROL, administration & dosage/ DIHYDROTACHYSTEROL, physiology/ DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ DIHYDROXYCHOLECALCIFEROLS, physiology/ HYDROXYCHOLECALCIFEROL, administration & dosage/ *HYDROXYCHOLECALCIFEROL, physiology/ INTESTINAL ABSORPTION/ *PHOSPHATES, metabolism/ RATS/ TRITIUM/ VITAMIN D, administration & dosage
833. Demarne Y, Sacquet E, Garnier H: La flore gastro-intestinale et la digestion des matières grasses chez le monogastrique. Ann Biol Anim Biochim Biophys 12:509-24, 1972 (80 ref.) (Fre)
ANIMAL EXPERIMENTS/ BACTERIA, metabolism/ BILE, metabolism/ BILE ACIDS AND SALTS, physiology/ BIOLOGICAL TRANSPORT/ CACAO/ CALCIUM, metabolism/ CHICKENS/ COCONUT/ CORN/ COTTONSEED, metabolism/ DIETARY FATS, metabolism/ ENGLISH ABSTRACT/ *FATTY ACIDS, metabolism/ GASTROINTESTINAL SYSTEM, metabolism/ *GASTROINTESTINAL SYSTEM, microbiology/ GASTROINTESTINAL SYSTEM, physiology/ GERM-FREE LIFE/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, anatomy & histology/ *LIPIDS, metabolism/ OILS, metabolism/ RATS/ REVIEW/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP
834. De Mello WC, Mendoza J, Pérez B: Caffeine contractures in depolarized heart muscle. Res Commun Chem Pathol Pharmacol 6:1-17, Jul 73
ANIMAL EXPERIMENTS/ BUFO MARINUS/ *CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ CALCIUM ISOTOPES/ CELL MEMBRANE, drug effects/ COLD/ DRUG SYNERGISM/ EDTA, pharmacodynamics/ *HEART, drug effects/ HEART VENTRICLE, metabolism/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ *MUSCLES, drug effects/ MUSCLES, metabolism/ TIME FACTORS
835. Demers LM, Gabbe SG, Villee CA, et al: Human chorionic gonadotropin-mediated glycogenolysis in human placental villi: a role of prostaglandins. Biochim Biophys Acta 313:202-10, 20 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANALYSIS OF VARIANCE/ FEMALE/ GEL FILTRATION/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ PLACENTA, drug effects/ PLACENTA, enzymology/ PLACENTA, growth & development/ PLACENTA, metabolism/ *PLACENTA, metabolism/ PREGNANCY/
- *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ TIME FACTORS
836. Demers LM, Jacobs RD: Hormonal regulation of rat uterine glycogen metabolism. Biol Reprod 9:272-8, Oct 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, administration & dosage/ FSH, pharmacodynamics/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ GONADOTROPINS, administration & dosage/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HEXOKINASE, metabolism/ INJECTIONS, SUBCUTANEOUS/ PHOSPHOGLUCOMUTASE, metabolism/ PROGESTERONE, administration & dosage/ RATS/ UTERUS, enzymology/ *UTERUS, metabolism
837. Demers LM, Jacobs RD, Greep RO: Comparative effects of ovarian steroids on glycogen metabolism of rat, rabbit and guinea pig uterine tissue. Proc Soc Exp Biol Med 143:1158-63, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ COMPARATIVE STUDY/ ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ GUINEA PIGS/ OVARY/ *PROGESTERONE, pharmacodynamics/ RABBITS/ RATS/ TIME FACTORS/ *UTERUS, drug effects/ UTERUS, enzymology/ UTERUS, metabolism
838. Demko PS, Krasnovskaja IA: Sezonnye izmeneniia funktsional'noi aktivnosti gipotalamo-gliofizarnoi neurosekretornoj sistemy krolikov. Probl Endokrinol (Mosk) 19:52-5, Sep-Oct 73 (Rus)
ANIMAL EXPERIMENTS/ *BIOLOGICAL CLOCKS/ ENGLISH ABSTRACT/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ NEUROSECRETION/ RABBITS/ *SEASONS
839. Demol R, Hooghe R, Callaerts J, et al: Contribution à la pharmacologie de l'oestriol chez la femme postménopausée. Brux Med 53:419-31, Jul 73 (Fre)
*ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ MIDDLE AGE
840. Denamar R, Kann G: Luteolytic effects of oestradiol after hypophysectomy or pituitary stalk section in cycling sheep. Acta Endocrinol (Kbh) 73:635-42, Aug 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, anatomy & histology/ CORPUS LUTEUM, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYSTERECTOMY/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ SHEEP/ STIMULATION, CHEMICAL/ TIME FACTORS/ UTERUS, physiology
841. De Nicola AF, Freire F: Mitochondrial II beta hydroxylation and adrenal morphology in rats bearing a mammatropic, ACTH-secreting pituitary tumor. J Steroid Biochem 4:407-16, Jul 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, secretion/ DESOXYCORTICOSTERONE, metabolism/ FEMALE/ *11-HYDROXYCORTICOSTEROIDS, biosynthesis/ HYDROXYLATION/ IN VITRO/

AUTHOR SECTION

- KINETICS/ MICROSCOPY, ELECTRON/
MITOCHONDRIA, enzymology/
*MITOCHONDRIA, metabolism/
MITOCHONDRIAL SWELLING/ PITUITARY
GLAND, cytology/ *PITUITARY NEOPLASMS,
metabolism/ PITUITARY NEOPLASMS,
pathology/ PROLACTIN, secretion/ RATS/
SOMATOTROPIN, secretion/ STAINS AND
STAINING
42. Deol MS: An experimental approach to the understanding and treatment of hereditary syndromes with congenital deafness and hypothyroidism. *J Oral Surg* 10:235-42, Sep 73
*ABNORMALITIES, DRUG-INDUCED/ AGE FACTORS/ ANIMAL EXPERIMENTS/ COCHLEA, abnormalities/ COCHLEA, pathology/ *DEAF-MUTISM, familial & genetic/ *DEAFNESS, congenital/ DEAFNESS, pathology/ DISEASE MODELS, ANIMAL/ FEMALE/ GESTATIONAL AGE/ *GOITER, familial & genetic/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, pathology/ *IODINE, metabolism/ MALE/ MICE/ MICE, INBRED C57BL/ ORGAN OF CORTI, pathology/ PREGNANCY/ PROPYLTHIOURACIL/ THYROXINE, administration & dosage/ *THYROXINE, therapeutic use
43. Depresseux JC: Geometrical efficiency distortions with the pin-hole gamma camera. *Nucl Med (Stuttg)* 12:189-77, 31 Aug 73
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ MATHEMATICS/ METHODS/ *RADIOISOTOPE SCANNING, instrumentation/ THYROID GLAND
44. Deruty R, Dechaume JP, Lapras C: Anatomie topographique et chirurgicale de la région pinéale. *Rev Otonéuroophthalmol* 45:3-5, Jan-Feb 73 (Fre)
HUMAN/ *PINEAL BODY, anatomy & histology/ PINEAL BODY, surgery
45. Desai KS, Li KC, Angel A: Bimodal effect of insulin on hormone-stimulated lipolysis: relation to intracellular 3',5'-cyclic adenylic acid and free fatty acid levels. *J Lipid Res* 14:647-55, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, analysis/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ COLLAGEN/ EPIDIDYMIS/ *FATTY ACIDS, NONESTERIFIED, metabolism/ GLUCOSE, pharmacodynamics/ GLYCERIN, analysis/ *INSULIN, pharmacodynamics/ *LIPID MOBILIZATION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PROTEINS, analysis/ RATS/ SUCROSE, metabolism/ TIME FACTORS
46. Desai MP, Joshi NC, Shah KN: Chronic idiopathic hyperphosphatasia in an Indian child. *Am J Dis Child* 126:626-8, Nov 73
*ALKALINE PHOSPHATASE, blood/ BIOPSY/ BONE AND BONES, pathology/ HUMAN/ *HYPEROSTOSIS, CORTICAL CONGENITAL, diagnosis/ HYPEROSTOSIS, CORTICAL CONGENITAL, pathology/ HYPEROSTOSIS, CORTICAL CONGENITAL, radiography/ INDIA/ INFANT/ MALE/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, pathology/ OSTEOPOROSIS, radiography/ *PHOSPHATASES, metabolism/ SYNDROME
47. Desbuquois B, Laudat MH, Laudat P: Vasoactive intestinal polypeptide and glucagon: stimulation of adenylyl cyclase activity via distinct receptors in liver and fat cell membranes. *Biochem Biophys Res Commun* 53:1187-94, 21 Aug 73
*ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELLS, CULTURED/ ENZYME ACTIVATION, drug effects/ *GLUCAGON, pharmacodynamics/ *HORMONES, pharmacodynamics/ IN VITRO/ INTESTINES/ IODINE RADIOISOTOPES/ LIVER, cytology/ *LIVER, enzymology/ *PEPTIDES, pharmacodynamics/ PHOSPHORUS ISOTOPES/ PROTEIN BINDING, drug effects/ RATS/ *RECEPTORS, HORMONE, drug effects/ SECRETIN, pharmacodynamics/ STIMULATION, CHEMICAL/ SWINE
48. Deschodt-Lanckman M, Robberecht P, Christophe J: Activité de l'adénylate cyclase et taux intracellulaire de l'AMP-cyclique dans le pancréas exocrine du rat. *Arch Int Physiol Biochim* 81:586, Sep 73 (Fre)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBACHOL, pharmacodynamics/ PANCREAS, drug effects/ PANCREAS, enzymology/ *PANCREAS, metabolism/ PANCREOZYMIN, pharmacodynamics/ RATS/ SECRETIN, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics
489. Deslaurlers R, Walter R, Smith IC: Intramolecular motion in peptide determined by ¹³C NMR: a spin-lattice relaxation time-study on MSH-release-inhibiting factor. *FEBS Lett* 37:27-32, 15 Nov 73
AMINO ACIDS/ CARBON ISOTOPES/ FOURIER ANALYSIS/ MSH/ NUCLEAR MAGNETIC RESONANCE/ *OLIGOPEPTIDES/ *PITUITARY HORMONE RELEASING HORMONES, antagonists & inhibitors/ PROTEIN CONFORMATION
480. Deslaurlers R, Walter R, Smith IC: ¹³C nuclear magnetic resonance studies of the conformation of the X-pro bond in the oligopeptide hormones, thyrotropin-releasing hormone, luteinizing hormone-releasing factor, angiotensin and melanocyte-stimulating hormone release-inhibiting factor. *Biochem Biophys Res Commun* 53:244-50, 2 Jul 73
*ANGIOTENSIN II/ CARBON ISOTOPES/ DEUTERIUM/ ISOMERISM/ *LH-FSH RELEASING HORMONE/ MSH/ NUCLEAR MAGNETIC RESONANCE/ *PITUITARY HORMONE RELEASING HORMONES, antagonists & inhibitors/ PROLINE/ PROTEIN CONFORMATION/ *THYROTROPIN RELEASING HORMONE
481. Desrosiers JJ: Headaches related to contraceptive therapy and their control. *Headache* 13:117-24, Oct 73
ANALGESICS AND ANTIPYRETICS, therapeutic use/ *CONTRACEPTIVES, ORAL, adverse effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, adverse effects/ FEMALE/ *HEADACHE, chemically induced/ HUMAN/ MIGRAINE, chemically induced/ MIGRAINE, drug therapy/ PROGESTATIONAL HORMONES, adverse effects
482. Detrie C, Galinha A, Salomon JC, et al: The genetic control of serum IgA level in xenic and holoxenic mice. The effect of prednisolone. *Proc Soc Exp Biol Med* 143:1251-5, Sep 73
ANIMAL EXPERIMENTS/ FEMALE/ *GENETIC CODE/ *GERM-FREE LIFE/ *HISTOCOMPATIBILITY/ HYBRIDIZATION/ *IGA, biosynthesis/ MALE/ MICE/ MICE, INBRED AKR/ MICE, INBRED BALB C/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED CBA/ *PREDNISOLONE, pharmacodynamics
483. Dettlaff Z, Wiecki J, Ogonowska J: Manifestacja płucna raka tarczycy. *Gruzlica* 41:889-94, Aug 73 (Pol)
AGED/ AUTOPSY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MESOTHELIOMA/ MESOTHELIOMA, pathology/ NEOPLASM METASTASIS/ *PLEURAL NEOPLASMS/ PLEURAL NEOPLASMS, pathology/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, pathology

AUTHOR SECTION

854. Devic M, Goutelle A, Plauchu G, et al: Les adénomes hypophysaires invasifs. A propos d'une observation d'adénome intra-sphénoïdal révélé par une méningite avec pneumatocèle.
Rev Otoneuroophthalmol 45:41-51, Jan-Feb 73 (Fre)
ADENOMA, complications/ HUMAN/ MALE/
*MENINGITIS, etiology/ MIDDLE AGE/
*PARANASAL SINUS NEOPLASMS,
complications/ *PITUITARY NEOPLASMS,
complications/ *PNEUMOCEPHALUS, etiology/
*SPHENOID SINUS
855. DeVita VT: Combined drug treatment of Hodgkin's disease: remission induction, remission duration, and survival; an appraisal.
Natl Cancer Inst Monogr 36:373-9, May 73
ADULT/ AGE FACTORS/ *ANTINEOPLASTIC AGENTS, administration & dosage/
ANTINEOPLASTIC AGENTS, therapeutic use/
BIOPSY/ CARMUSTINE, therapeutic use/
CHLORAMBUCIL, therapeutic use/
CYCLOPHOSPHAMIDE, therapeutic use/
DACTINOMYCIN, therapeutic use/ DRUG THERAPY, COMBINATION/ EVALUATION STUDIES/ FOLLOW-UP STUDIES/
*HODGKIN'S DISEASE, drug therapy/
HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REMISSION/ TIME FACTORS/ VINBLASTINE, therapeutic use/ VINCRIStINE, therapeutic use
856. DeVita VT, Arseneau JC, Sherins RJ, et al: Intensive chemotherapy for Hodgkin's disease: long-term complications.
Natl Cancer Inst Monogr 36:447-54, May 73
ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ *DRUG THERAPY, adverse effects/ DRUG THERAPY, COMBINATION, adverse effects/ EVALUATION STUDIES/ FEMALE/ FSH, blood/ HODGKIN'S DISEASE, complications/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, immunology/ HUMAN/ IMMUNOSUPPRESSION/ LH, blood/ MALE/ MECHLORETHAMINE, administration & dosage/ MECHLORETHAMINE, therapeutic use/ NEOPLASMS, etiology/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ TESTOSTERONE, blood/ TIME FACTORS/ VINCRIStINE, administration & dosage
857. Devivo DC, Fishman MA, Agrawal HC: Preferential labeling of brain cholesterol by (3-14C)D(-)-3-hydroxybutyrate.
Lipids 8:649-51, Nov 73
ANIMAL EXPERIMENTS/ BRAIN, growth & development/ *BRAIN, metabolism/ CARBON RADIOISOTOPES/ *CHOLESTEROL, biosynthesis/ FEMALE/ GLUCOSE, metabolism/ GLYCOLIPIDS, biosynthesis/ *HYDROXYBUTYRATES, metabolism/ LACTATION/ NERVE TISSUE PROTEINS, biosynthesis/ PHOSPHOLIPIDS, biosynthesis/ PREGNANCY/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS
858. Devoe L, Freese UE, Paulos G: Autoradiographic studies of the mouse Fallopian tube.
Am J Obstet Gynecol 117:490-6, 15 Oct 73
ANIMAL EXPERIMENTS/
*AUTORADIOGRAPHY/ EPITHELIAL CELLS, cytology/ ESTRADIOL, administration & dosage/ ESTRUS, drug effects/ *FALLOPIAN TUBES, cytology/ FEMALE/
GONADOTROPINS, CHORIONIC, administration & dosage/ *HYSTEROSALPINGOGRAPHY/ INFANT/ METHODS/ MICE/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, administration & dosage/ THYMIDINE, metabolism/ TRITIUM
859. Dewey DL: The melanocyte chalone.
Natl Cancer Inst Monogr 38:213-6, Jul 73
ANIMAL EXPERIMENTS/ CELL DIVISION/ CELLS, CULTURED/ CHALONES, analysis/ *CHALONES, metabolism/ CHYMOTRYPSIN/ DRUG STABILITY/ EPINEPHRINE, pharmacodynamics/ GEL FILTRATION/ GLYCOPROTEINS/ HEAT/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ MELANOCYTES/ *MELANOCYTES, metabolism/ MELANOMA, metabolism/ MOLECULAR WEIGHT/ SWINE/ TIME FACTORS/ TRYPSIN
860. DeWys WD, Stoll R, Au WY, et al: Effects of streptozotocin on an islet cell carcinoma with hypercalcemia. Am J Med 55:871-6, Nov 73
CALCIUM, blood/ CASE REPORT/ CORTICOTROPIN, secretion/ HUMAN/ *HYPERCALCEMIA, complications/ INSULIN, secretion/ *ISLET CELL TUMOR, drug therapy/ LIVER NEOPLASMS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PANCREATIC NEOPLASMS, drug therapy/ REMISSION/ *STREPTOZOTOCIN, therapeutic use
861. Dey SK, Gupta JS, Deb C: Histochemical studies on the Leydig-cell-leucine aminopeptidase activity in the guinea-pig testis. J Reprod Fertl 34:475-9, Sep 73
ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ CRYPTORCHISM, enzymology/ ESTROGENS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ *LEUCINE AMINOPEPTIDASE, metabolism/ *LEYDIG CELLS, enzymology/ LEYDIG CELLS, metabolism/ MALE/ MITOSIS/ TESTIS, drug effects/ TESTIS, enzymology
862. Dhalla NS, Sulakhe PV, McNamara DB: Studies on the relationship between adenylate cyclase activity and calcium transport by cardiac sarcotubular membranes.
Biochim Biophys Acta 323:276-84, 11 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOGS/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ HEART, drug effects/ MEMBRANES, drug effects/ MEMBRANES, enzymology/ MEMBRANES, metabolism/ MYOCARDIUM, cytology/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHOLIPASE/ PROSTAGLANDINS, pharmacodynamics/ SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, metabolism/ TRYPSIN
863. Dhong G, Städtler F: Die kinderlose Ehe: Männliche Infertilität. Fortschr Med 91:1069-72, 27 Sep 73 (Ger)
CRYPTORCHISM, complications/ HUMAN/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ KLINEFELTER'S SYNDROME, complications/ MALE/ METABOLISM, INBORN ERRORS, complications/ *STERILITY, MALE/ STERILITY, MALE, diagnosis/ STERILITY, MALE, etiology/ STERILITY, MALE, therapy/ TESTICULAR DISEASES, complications
864. Dhondt G, Houvenaghe A, Peeters G, et al: Influence of vasoactive hormones on blood flow through the mammary artery in lactating cows.
Arch Int Pharmacodyn Ther 204:89-104, Jul 73
ACETYLCHOLINE, pharmacodynamics/ *ACETYLCHOLINE, pharmacodynamics/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARGININE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRADYKININ, pharmacodynamics/ *CATECHOLAMINES, pharmacodynamics/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ FEMALE/ ISOPROTERENOL, pharmacodynamics/ *KALLIKREIN, pharmacodynamics/ *KININS,

AUTHOR SECTION

- pharmacodynamics/ *LACTATION, drug effects/ LYSINE, pharmacodynamics/ *MAMMAE, blood supply/ MAMMAE, drug effects/ METHIONINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PREGNANCY/ REGIONAL BLOOD FLOW, drug effects/ THORACIC ARTERIES/ TIME FACTORS/ *VASOPRESSIN, pharmacodynamics
865. Dhont M, Vandekerckhove D: Hypergonadotropic amenorrhea or oligomenorrhea: response to clomiphene. *Ann Endocrinol (Paris)* 34:319-26, May-Jun 73
- ADOLESCENCE/ ADULT/ AMENORRHEA, blood/ *AMENORRHEA, drug therapy/ AMENORRHEA, urine/ *CLOMIPHENE, therapeutic use/ ESTROGENS, blood/ ESTROGENS, urine/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, blood/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physio-pathology/ LH, blood/ OVULATION/ RADIOIMMUNOASSAY/ STERILITY, FEMALE, blood/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, urine/ TIME FACTORS
866. Diamantstein T, Vogt W, Rühl H, et al: Stimulation of DNA synthesis in mouse lymphoid cells by polyanions in vitro. I. Target cells and possible mode of action. *Eur J Immunol* 3:488-93, Aug 73
- ANIMAL EXPERIMENTS/ BONE MARROW CELLS, immunology/ CELL ADHESION/ CELLS, CULTURED/ CORTISONE/ DEXTRAN, administration & dosage/ *DEXTRAN, pharmacodynamics/ *DNA, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESCHERICHIA COLI, immunology/ LIPOPOLYSACCHARIDES/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, immunology/ MACROPHAGES, immunology/ MICE/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ PLANT AGGLUTININS/ POLYSACCHARIDES, BACTERIAL/ SPLEEN, cytology/ THYMIDINE, metabolism/ THYMUS GLAND, cytology/ THYMUS GLAND, immunology/ TRITIUM
867. Diamond J: Phosphorylase, calcium, and cyclic AMP in smooth-muscle contraction. *Am J Physiol* 225:930-7, Oct 73
- *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ *CALCIUM, physiology/ ENZYME ACTIVATION/ FEMALE/ *GLUCOSYLTRANSFERASES, metabolism/ GUINEA PIGS/ *MUSCLE CONTRACTION/ *MUSCLE, SMOOTH, metabolism/ RATS/ UTERUS, metabolism
868. Díaz Gómez MI, Castro JA, Ferreyra EC de, et al: Irreversible binding of ¹⁴C from ¹⁴CCl₄ to liver microsomal lipids and proteins from rats pretreated with compounds altering microsomal mixed-function oxygenase activity. *Toxicol Appl Pharmacol* 25:534-41, Aug 73
- ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CARBON TETRACHLORIDE POISONING, metabolism/ CYSTAMINE, pharmacodynamics/ FEMALE/ *LIPIDS, metabolism/ LIVER, cytology/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ METYRAPONE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ *OXYGENASES, metabolism/ PHENOBARBITAL, pharmacodynamics/ PROADIFEN, pharmacodynamics/ *PROTEIN BINDING/ PYRAZOLES, pharmacodynamics/ RATS/ SEX FACTORS/ STATISTICS
869. Dickson W, Hall CE, Ellis M, et al: Beclomethasone dipropionate aerosol in childhood asthma. *Arch Dis Child* 48:871-5, Sep 73
- ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ *ASTHMA, drug therapy/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ CORTICOTROPIN/ DISODIUM CROMOGLYCAT, therapeutic use/ FEMALE/ *GLUCOCORTICOID, TOPICAL, therapeutic use/ HUMAN/ HYDROCORTISONE, blood/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ PEPTIDES/ PREDNISONE, therapeutic use/ SPIROMETRY
870. Dicuiescu I, Popescu LM: Electron microscopic demonstration of calcium in mitochondria of the frog skeletal muscle in situ. *Exp Cell Res* 82:152-8, Nov 73
- ANIMAL EXPERIMENTS/ *CALCIUM, isolation & purification/ CALCIUM, metabolism/ CHELATING AGENTS, pharmacodynamics/ ELECTRON PROBE MICROANALYSIS/ FROGS/ HISTOCYTOCHEMISTRY/ KYMOGRAPHY/ MICROSCOPY, ELECTRON/ MICROTUBULES, analysis/ *MITOCHONDRIA, analysis/ MITOCHONDRIA, metabolism/ MUSCLE CONTRACTION/ *MUSCLES, analysis/ MUSCLES, metabolism/ OXALATES/ PRECIPITATION/ RANA ESCULENTA/ SARCOPLASMIC RETICULUM, analysis/ X-RAY DIFFRACTION
871. Diekmann MA, Malven PV: Effect of ovariectomy and estradiol on LH patterns in ewes. *J Anim Sci* 37:562-7, Aug 73
- ANIMAL EXPERIMENTS/ CASTRATION/ DELAYED-ACTION PREPARATIONS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LH, blood/ *OVARY, physiology/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ *SHEEP, physiology
872. Dietz J, Field M: Ion transport in rabbit ileal mucosa. IV. Bicarbonate secretion. *Am J Physiol* 225:858-61, Oct 73
- ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BICARBONATES, secretion/ EPINEPHRINE, pharmacodynamics/ ILEUM, metabolism/ ILEUM, secretion/ *INTESTINAL MUCOSA, metabolism/ *INTESTINE, SMALL, metabolism/ INULIN/ LACTATES, metabolism/ MALE/ RABBITS/ SEROUS MEMBRANE, metabolism/ TRITIUM
873. Dinnendahl V, Peters HD, Schönhöfer PS: Effects of sodium salicylate and acetylsalicylic acid on cyclic 3',5'-AMP-dependent protein kinase. *Biochem Pharmacol* 22:2223-8, 15 Sep 73
- *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ CATTLE/ DIAPHRAGM, enzymology/ HISTONES, metabolism/ IN VITRO/ KINETICS/ MUSCLES, enzymology/ PHOSPHATES, metabolism/ PHOSPHORUS ISOTOPES/ *PHOSPHOTRANSFERASES, metabolism/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ *SALICYLATES, pharmacodynamics/ STIMULATION, CHEMICAL
874. Dinu V, Iordăchescu A: Nucleotidele ciclice în activitatea celulară. *Fiziol Norm Patol* 19:461-71, Sep-Oct 73 (Rum)
- ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADIPOSE TISSUE, metabolism/ CARBOHYDRATES, metabolism/ CATECHOLAMINES, physiology/ *CELLS, metabolism/ ENGLISH ABSTRACT/ GLUCAGON, physiology/ LIPIDS, metabolism/ *NUCLEOTIDES, CYCLIC, physiology/ PROTEINS, metabolism
875. Di Paola G: Evaluación de la colpocitología hormonal en el climaterio. *An R Acad Nacl Med (Madr)* 90:477-89, 1973 (Spa)
- *CLIMACTERIC/ EPITHELIAL CELLS/ *ESTROGENS, physiology/ ESTROGENS, urine/ FEMALE/ HUMAN/ PROGESTERONE, diagnostic use/ *VAGINA, cytology
876. Dipolo R: Calcium efflux from internally dialyzed squid giant axons. *J Gen Physiol* 62:575-89, Nov 73

AUTHOR SECTION

- ADENOSINE TRIPHOSPHATE, metabolism/
ANIMAL EXPERIMENTS/ *AXONS,
metabolism/ *CALCIUM, metabolism/
CYANIDES, pharmacodynamics/ IN VITRO/
MAGNESIUM, metabolism/ OLIGOMYCIN,
pharmacodynamics/ SODIUM, metabolism/
SQUID
877. Dirmikis S, Munro DS: Studies on the binding activity
for the long-acting thyroid stimulator.
J Endocrinol 58:577-90, Sep 73
BIOLOGICAL ASSAY/ CENTRIFUGATION,
DENSITY GRADIENT/ FREEZING/ GEL
FILTRATION/ GOITER, blood/ HUMAN/
HYPERTHYROIDISM, blood/ IN VITRO/
LONG-ACTING THYROID STIMULATOR,
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THYROID STIMULATOR, metabolism/
*PROTEIN BINDING/ SUBCELLULAR
FRACTIONS/ *THYROID GLAND, metabolism/
TIME FACTORS/ TISSUE PRESERVATION
878. Dirschmid K: Cholestatische Hepatose infolge
Ovulationshemmer.
Verh Dtsch Ges Kreislaufrorsch 56:487-9, 1972 (Ger)
ADULT/ *CHOLESTASIS, chemically induced/
CHOLESTASIS, pathology/
*CONTRACEPTIVES, ORAL, adverse effects/
ENGLISH ABSTRACT/ FEMALE/
*HEPATITIS, TOXIC, etiology/ HEPATITIS,
TOXIC, pathology/ HUMAN
879. Disala PJ, Nalick RH, Townsend DE: Antibody
cytotoxicity studies in ovarian and cervical
malignancies. Obstet Gynecol 42:644-50, Nov 73
ABSORPTION/ ADENOCARCINOMA, blood/
*ADENOCARCINOMA, immunology/
*ANTIBODIES/ CARCINOMA, EPIDERMAL,
blood/ *CARCINOMA, EPIDERMAL,
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IMMUNOLOGIC/ FEMALE/ FREEZE DRYING/
HUMAN/ IMMUNE SERUMS/
IMMUNIZATION/ OVARIAN NEOPLASMS,
blood/ *OVARIAN NEOPLASMS, immunology/
OVARY, immunology/ RABBITS, immunology/
TISSUE CULTURE
880. Dishon T, Sela J, Ulmansky M, et al: Experimental
allergic sialoadenitis. VI. Prevention by antihistamine
and induction by intraductal instillation of performed
immune complexes.
Virchows Arch [Pathol Anat] 359:283-8, 29 Jun 73
ANIMAL EXPERIMENTS/
ANTIGEN-ANTIBODY COMPLEX/
ANTIHISTAMINICS, therapeutic use/
FEMALE/ HYPERSENSITIVITY, prevention &
control/ MALE/ *PAROTITIS, immunology/
PAROTITIS, prevention & control/ RATS/
SEROTONIN, antagonists & inhibitors
881. Distler A, Just HJ, Philipp T: Ricerche sulla patogenesi
dell'ipertensione nell'iperaldosteronismo primitivo.
Minerva Med 64:3021-7, 18 Aug 73 (Ita)
ADRENAL GLAND DISEASES, complications/
ANIMAL EXPERIMENTS/ HEMODYNAMICS/
*HYPERALDOSTERONISM, complications/
HYPERPLASIA, complications/
HYPERTENSION, drug therapy/
*HYPERTENSION, etiology/
SPIRONOLACTONE, therapeutic use
882. Distler JJ, Jourdan GW: The purification and
properties of beta-galactosidase from bovine testes.
J Biol Chem 248:8772-80, 10 Oct 73
CARBOHYDRATES, pharmacodynamics/
CATTLE/ CHROMATOGRAPHY, AFFINITY/
CHROMATOGRAPHY, DEAE-CELLULOSE/
COMPARATIVE STUDY/ EDTA,
pharmacodynamics/ ELECTROPHORESIS, DISC/
ENZYME ACTIVATION/ GALACTOSIDASE,
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HYDROGEN-ION CONCENTRATION/
ISOENZYMES, metabolism/ ISOMERISM/
KINETICS/ LIVER, enzymology/ MALE/
MOLECULAR WEIGHT/
- MUCOPOLYSACCHARIDES/ NITROPHENOLS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
STRUCTURE-ACTIVITY RELATIONSHIP/
*TESTIS, enzymology
883. Dixon R, Tormey P, Buckely M, et al: Pharmacokinetics
of the gonadotrophin inhibitor 19
beta-cis-ethyliden-17 alpha-ethynyl-17
beta-hydroxy-androstatrien-3-one (Ro 6-5403) in man.
J Steroid Biochem 4:355-62, Jul 73
ADMINISTRATION, ORAL/ ADULT/
ANDROSTENOLS, administration & dosage/
*ANDROSTENOLS, metabolism/
BIOPHARMACEUTICS/
BIOTRANSFORMATION/ CHROMATOGRAPHY,
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INJECTIONS, INTRAVENOUS/
KETOSTEROIDS, administration & dosage/
KETOSTEROIDS, metabolism/ KINETICS/
MATHEMATICS/ TIME FACTORS/ TRITIUM
884. Diusskala IG, Vinogradova LA, Noskov VB, et al:
Vliyanie glipodinamiki i drugikh faktorov
kosmicheskogo poleta na ekskretsiu
17-okskortikosteroidov i aldosterona.
Kosm Biol Med 7:43-8, May-Jun 73 (Rus)
*ALDOSTERONE, urine/ CHROMATOGRAPHY,
THIN LAYER/ CIRCADIAN RHYTHM/
ELECTRIC STIMULATION/ ENGLISH
ABSTRACT/ EXERTION/ HUMAN/
*17-HYDROXYCORTICOSTEROIDS, urine/
*IMMOBILIZATION/ MALE/ POSTURE/
*SPACE FLIGHT/ TIME FACTORS
885. Dobrotina AF, Khamad'ianov UR: K izucheni
patogeneza iuvenil'nykh matochnykh krvotocenii.
Vopr Okhr Materin Det 18:74-8, Mar 73 (Rus)
ADOLESCENCE/ CHILD/ ENGLISH
ABSTRACT/ FEMALE/ GONADOTROPINS,
urine/ HUMAN/ METORRHEGIA, etiology/
OVARY, physiopathology/ PERIODICITY/
PITUITARY-ADRENAL FUNCTION TESTS/
*UTERINE HEMORRHAGE, etiology
886. Dobrowolski W, Snochowski M, Stupnicki R: Studies on
plasma progesterone in cows associated with ovarian
changes following enucleation of the persistent
corpus luteum. J Reprod Fertil 35:199-201, Oct 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ *CORPUS LUTEUM, physiology/
ESTRUS/ FEMALE/ LH, blood/ *OVARY,
physiology/ *PROGESTERONE, blood
887. Dobson H, Hopkinson CR, Ward WR: Proceedings:
Progesterone, 17 beta oestradiol and LH in relation to
ovulation in cows. Vet Rec 93:76, 21 Jul 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ *ESTRADIOL, blood/ FEMALE/
*LH, blood/ *OVULATION/ *PROGESTERONE,
blood
888. Dobson JG Jr, Mayer SE: Mechanisms of activation of
cardiac glycogen phosphorylase in ischemia and
anoxia. Circ Res 33:412-20, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
analysis/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, biosynthesis/ *ANIMAL
EXPERIMENTS/ *ANOXIA, enzymology/
ARTERIES/ CARBON DIOXIDE,
pharmacodynamics/ CORONARY
CIRCULATION/ *CORONARY VESSELS/
ENZYME ACTIVATION/ EPINEPHRINE,
administration & dosage/ EPINEPHRINE,
pharmacodynamics/
GLUCOSYLTRANSFERASES, metabolism/
GLYCOGEN, biosynthesis/ *GLYCOGEN
PHOSPHORYLASE, metabolism/ *ISCHEMIA,
enzymology/ MALE/ *MYOCARDIUM,
enzymology/ NITROGEN, pharmacodynamics/
OXYGEN, blood/ OXYGEN, pharmacodynamics/
PHOSPHORYLASE KINASE, metabolism/
PRACTOLOL, administration & dosage/
PRACTOLOL, pharmacodynamics/ RATS/ TIME
FACTORS
889. Doerr P, Kockott G, Vogt HJ, et al: Plasma testosterone,
estradiol, and semen analysis in male homosexuals.
Arch Gen Psychiatry 29:829-33, Dec 73

AUTHOR SECTION

- ADULT/ DIAGNOSIS, DIFFERENTIAL/
*ESTRADIOL, blood/ FRUCTOSE, analysis/
HOMOSEXUALITY, blood/ *HOMOSEXUALITY,
diagnosis/ HUMAN/ MALE/ MIDDLE AGE/
*SEMEN, analysis/ SPERMATOGENESIS/
SPERMATOZOA, cytology/ SPERMATOZOA,
physiology/ *TESTOSTERONE, blood
890. Doerr-Schott J, Dubois MP: Mise en évidence des hormones de l'hypophyse d'un amphibien par la cyto-immuno-enzymologie au microscope électronique.
C R Acad Sci [D] (Paris) 276:2179-82, 2 Apr 73 (Fre)
ANIMAL EXPERIMENTS/ ANTIGENS/
CORTICOTROPIN, analysis/ FROGS/ GAMMA
GLOBULIN/ LH, analysis/ MICROSCOPY,
ELECTRON/ MSH, analysis/ PEROXIDASES/
*PITUITARY GLAND, analysis/ PITUITARY
GLAND, cytology/ *PITUITARY HORMONES,
ANTERIOR, analysis/ *RANA TEMPORARIA/
SOMATOTROPIN, analysis/ THYROTROPIN,
analysis
891. Doery JC, Hirsh J, Mustard JF: Energy metabolism in washed human platelets responsive to ADP: comparison with platelets in plasma.
Br J Haematol 25:657-73, Nov 73
*ADENOSINE DIPHOSPHATE,
pharmacodynamics/ ALBUMINS,
pharmacodynamics/ *BLOOD PLATELETS,
metabolism/ CARBON RADIOISOTOPES/
CYTOLOGICAL TECHNIQS/
FRUCTOSEPHOSPHATES, analysis/
GLUCOSEPHOSPHATES, analysis/
GLUCURONIDASE, metabolism/ HUMAN/ IN
VITRO/ LACTATE DEHYDROGENASE,
metabolism/ METHODS/ MICROSCOPY,
ELECTRON/ NUCLEOTIDES, metabolism/
OXYGEN CONSUMPTION/ PHOSPHATASES,
pharmacodynamics/ SEROTONIN, metabolism
892. Dolan KD, Selbert J, Selbert RW: Gardner's syndrome. A model for correlative radiology.
Am J Roentgenol Radium Ther Nucl Med 119:359-64, Oct 73
ADOLESCENCE/ AUTOSOME
ABNORMALITIES/ *BONE NEOPLASMS,
radiography/ COLONIC NEOPLASMS, familial
& genetic/ COLONIC NEOPLASMS,
radiography/ ETHMOID SINUS/ FEMALE/
HUMAN/ HUMERUS/ *INTESTINAL POLYPS,
familial & genetic/ INTESTINAL POLYPS,
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NEOPLASMS, radiography/ *NEOPLASMS,
MULTIPLE PRIMARY, radiography/
ODONTOGENIC TUMOR, radiography/
OSTEOMA, radiography/ *OSTEOMALACIA,
familial & genetic/ OSTEOMALACIA,
radiography/ PARANASAL SINUS
NEOPLASMS, radiography/ *SKIN
NEOPLASMS, radiography/ SKULL
NEOPLASMS, radiography
893. Doiara P, Marino P, Buffoni F: Effect of 2-aminoethanesulphinic acid (taurine) and 2-hydroxyethane sulphonic acid (isethionic acid) on calcium transport by rat liver mitochondria.
Biochem Pharmacol 22:2085-94, 1 Sep 73
ADENOSINE TRIPHOSPHATE, metabolism/
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/ IN
VITRO/ KINETICS/ MALE/ MANOMETRY/
MITOCHONDRIA, LIVER, drug effects/
MITOCHONDRIA, LIVER, enzymology/
*MITOCHONDRIA, LIVER, metabolism/
OXIDOREDUCTASES, antagonists & inhibitors/
OXYGEN CONSUMPTION, drug effects/
PHOSPHATES, metabolism/ PROTEINS,
metabolism/ RATS/ *SULFONIC ACIDS,
pharmacodynamics/ *TAURINE,
pharmacodynamics
894. Doieček R, Závada M, Beška F, et al: Nemocný po zákroku v oblasti hypofyzy.
Vnitř Lek 19:1049-59, Nov 73 (Cze)
ACROMEGALY, etiology/ ACROMEGALY,
surgery/ ADENOMA, CHROMOPHOBE,
surgery/ ANTIGENS, analysis/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ INSULIN,
blood/ MALE/ *PITUITARY DISEASES,
surgery/ *PITUITARY NEOPLASMS, surgery/
*POSTOPERATIVE COMPLICATIONS/
RADIOIMMUNOASSAY/ RECURRENCE
895. Dollshny NV: Experimentally influenced microcirculatory bed of the adrenal gland.
Folia Morphol (Praha) 21:186-7, 1973
*ADRENAL GLANDS, blood supply/ ANIMAL
EXPERIMENTS/ CAPILLARIES, anatomy &
histology/ DOGS/ *MICROCIRCULATION
896. Dölle W: Therapie der lebensbedrohlichen Hypercalcämie mit Mithramycin.
Internist (Berlin) 14:289-90, Jun 73 (Ger)
HUMAN/ *HYPERCALCEMIA, drug therapy/
MITHRAMYCIN, adverse effects/
*MITHRAMYCIN, therapeutic use/ TIME
FACTORS
897. Dolphin RJ: The analysis of estrogenic steroids in urine by high-speed liquid chromatography.
J Chromatogr 83:421-30, 29 Aug 73
AUTOANALYSIS/ CHROMATOGRAPHY/
ESTRADIOL, urine/ ESTRIOL, urine/
ESTROGENIC SUBSTANCES, CONJUGATED,
urine/ *ESTROGENS, urine/ ESTRONE, urine/
FEMALE/ HUMAN/ METHODS/ PREGNANCY/
PRESSURE/ SOLVENTS/
SPECTROPHOTOMETRY, ULTRAVIOLET
898. Domański E, Polkowska J: The hypothalamic areas involved in the control of mammatrophic and lactotrophic processes in sheep.
Endocrinol Exp (Bratisl) 7:229-46, Sep 73
ANIMAL EXPERIMENTS/ CATTLE/
CORTICOTROPIN, physiology/ FEMALE/
HYPOTHALAMUS, anatomy & histology/
*HYPOTHALAMUS, metabolism/
*HYPOTHALAMUS, physiology/ *LACTATION/
MAMMAE, anatomy & histology/ *MAMMAE,
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metabolism/ PREGNANCY/ PROLACTIN,
metabolism/ PROLACTIN, physiology/ SHEEP/
SOMATOTROPIN, physiology/ THYROIDINE,
physiology/ TIME FACTORS
899. el-Domeiri AA, Das Gupta TK: Reversal by melatonin of the effect of pinealectomy on tumor growth.
Cancer Res 33:2830-3, Nov 73
ANIMAL EXPERIMENTS/ HAMSTERS/ MALE/
*MELANOMA/ *MELANIN,
pharmacodynamics/ *NEOPLASM
TRANSPLANTATION/ NEOPLASMS,
EXPERIMENTAL/ *PINEAL BODY, surgery/
TRANSPLANTATION, HOMOLOGOUS
900. Domon M, Pinsker MC, Mintz B: Thiocyanate assay for sublytic change in the zona pellucida of the mouse egg.
Biol Reprod 9:246-53, Oct 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CELL MEMBRANE, analysis/
FALLOPIAN TUBES, physiology/ FEMALE/
FERTILIZATION/ HYDROGEN-ION
CONCENTRATION/ METHODS/ MICE/ MICE,
INBRED BALB C/ MICE, INBRED ICR/
*OVUM, analysis/ OVUM, physiology/
PREGNANCY/ PSEUDOPREGNANCY/
TEMPERATURE/ *THIOCYANATES, analysis/
TIME FACTORS/ UTERUS, physiology
901. Domschke W, Domschke S, Classen M, et al: Histamine and cyclic 3',5'-AMP in gastric acid secretion.
Nature 241:454-5, 18 Feb 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ANIMAL
EXPERIMENTS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *GASTRIC JUICE,
analysis/ GASTRIC JUICE, secretion/
HISTAMINE, administration & dosage/
*HISTAMINE, pharmacodynamics/
INJECTIONS, INTRAVENOUS/ INJECTIONS,
SUBCUTANEOUS/ PHOSPHATES/ RATS
902. Doney JM, Gunn RG, Smith WF: Transuterine migration and embryo survival in sheep.
J Reprod Fertil 34:363-7, Aug 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM/
*EMBRYO, physiology/ FEMALE/ *FETAL
DEATH/ *OVULATION/ OVUM, physiology/
PREGNANCY/ *SHEEP, embryology/ UTERUS

AUTHOR SECTION

903. Doney JM, Gunn RG, Griffiths JG: The effect of premating stress on the onset of oestrus and on ovulation rate in Scottish Blackface ewes. *J Reprod Fertil* 35:381-4, Nov 73
ANIMAL EXPERIMENTS/ *ESTRUS/
FEMALE/ HOUSING, ANIMAL/ *OVULATION/
SCOTLAND/ *SHEEP, physiology/ *STRESS,
PSYCHOLOGICAL
904. Dörner G: Die mögliche Bedeutung der prä- und-oder perinatalen Ernährung für die Pathogenese der Obesitas. *Acta Biol Med Ger*, 30:k19-22, May 73 (Ger)
ADULT/ BODY HEIGHT/ *BODY WEIGHT/
CHILD NUTRITION/ CYBERNETICS/
ENGLISH ABSTRACT/ HUMAN/
HYPOTHALAMUS, physiology/ *INFANT
NUTRITION/ MALE/ OBESITY, embryology/
*OBESITY, etiology/ PREGNANCY
905. Dorrington JH, Fritz IB: Metabolism of testosterone by preparations from the rat testis. *Biochem Biophys Res Commun* 54:1425-31, 15 Oct 73
ANDROSTANES, metabolism/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, THIN LAYER/ MALE/
RATS/ SPERMATOZOA, metabolism/
STANOLONE, metabolism/ TESTIS, cytology/
*TESTIS, metabolism/ *TESTOSTERONE,
metabolism/ TRITIUM
906. Dougherty CM, McCormick M: X chromosomal anomalies in the newborn. *Acta Cytol* (Baltimore) 17:423-4, Sep-Oct 73
CHEEK, cytology/ *CYTODIAGNOSIS/
EVALUATION STUDIES/ FEMALE/ HUMAN/
INFANT, NEWBORN/ MALE/ *SEX
CHROMATIN, analysis/ *SEX CHROMOSOME
ABNORMALITIES, diagnosis
907. Dougherty TF, Stevens W, Schneebell GL: Functional and morphological alterations produced in target cells by anti-inflammatory steroids. *Recent Prog Horm Res* 29:287-328, 1973
ANIMAL EXPERIMENTS/ CARRAGEENAN/
CONNECTIVE TISSUE CELLS/ *CONNECTIVE
TISSUE CELLS, drug effects/
*HYDROCORTISONE, pharmacodynamics/
INFLAMMATION, chemically induced/
INFLAMMATION, pathology/ MALE/ MICE/
MICE, INBRED CBA/ MICROSCOPY,
ELECTRON/ MICROSCOPY, ELECTRON,
SCANNING/ MICROSCOPY, INTERFERENCE/
SKIN, drug effects
908. Douglas RH, Glinther OJ: Luteolysis following a single injection of prostaglandin F2alpha in sheep. *J Anim Sci* 37:990-3, Oct 73
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ CORPUS LUTEUM, anatomy &
histology/ *CORPUS LUTEUM, drug effects/
ESTRUS/ FEMALE/ INJECTIONS/
INJECTIONS, INTRAMUSCULAR/ ORGAN
WEIGHT/ *PROTAGLANDINS, administration
& dosage/ PROTAGLANDINS,
pharmacodynamics/ *SHEEP, physiology/
UTERUS
909. Dozi-Vassillades J, Kovatsis A: Action of prostaglandin E1 and F1-alpha on rabbit's isolated intestine in the presence of ADP. *J Pharm Belg* 28:202-8, Mar-Apr 73
*ADENOSINE DIPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
IN VITRO/ *INTESTINES, drug effects/
MUSCLE CONTRACTION, drug effects/
MUSCLE, SMOOTH, drug effects/
*PROTAGLANDINS, pharmacodynamics/
RABBITS
910. Dreifuss JJ: Mécanismes de sécrétion des hormones neurohypophysiales. Aspects cellulaires et sub-cellulaires. *J Physiol (Paris)* 67:Suppl 1:5A-52, May 73 (182 ref.) (Fre)
ACETYLCHOLINE, pharmacodynamics/
ACTION POTENTIALS/ ADENOSINE
TRIPHOSPHATE, physiology/ ANIMAL
EXPERIMENTS/ CALCIUM, physiology/
CATECHOLAMINES, pharmacodynamics/
CHEMORECEPTORS, physiology/ DOGS/
ENGLISH ABSTRACT/ EXOCYTOSIS/
HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
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POTENTIALS/ MONKEYS/ NERVE ENDINGS,
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NEUROPHYSINS, physiology/ *OXYTOCIN,
secretion/ PHOSPHOLIPIDS, physiology/
*PITUITARY GLAND, POSTERIOR, secretion/
REVIEW/ SECRETORY RATE, drug effects/
*VASOPRESSIN, secretion
911. Dreikorn K, Oertel A: Maschinelle Konservierung von Spendernieren. *Helv Chir Acta* 40:489-95, Sep 73 (Ger)
HUMAN/ HYDROCORTISONE/ INSULIN/
*KIDNEY/ KIDNEY, transplantation/
MAGNESIUM SULFATE/ METHODS/
PENICILLIN G/ *PERFUSION/ POTASSIUM
CHLORIDE/ SERUM ALBUMIN/ SOLUTIONS/
*TISSUE PRESERVATION, instrumentation/
TRANSPLANTATION, HOMOLOGOUS
912. Drepper K, Heidrich HJ, Mülling M, et al: Versuch zur Ketoslerzeugung durch Fütterungsmassnahmen einschleiblich Thyroxinapplikationen bei laktierenden Kühen. *Berl Munch Tierarztl Wochenschr* 86:281-3, 1 Aug 73 (Ger)
ACIDOSIS, etiology/ *ACIDOSIS, veterinary/
ANIMAL EXPERIMENTS/ *ANIMAL
NUTRITION/ CATTLE/ *CATTLE DISEASES,
etiology/ ENGLISH ABSTRACT/ FEMALE/
LACTATION, drug effects/ PREGNANCY/
*THYROXINE
913. Drew WG, Slagel DE: Delta 9-THC: selective impairment of corticosterone uptake by limbic structures of the rat. *Neuropharmacology* 12:909-14, Sep 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*CANNABIS, pharmacodynamics/ CEREBRAL
CORTEX, metabolism/ *CORTICOSTERONE,
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LIMBIC SYSTEM, drug effects/ *LIMBIC
SYSTEM, metabolism/ MALE/ RATS/
TETRAHYDROCANNABINOL,
pharmacodynamics/ TIME FACTORS/ TRITIUM
914. Drewinko B, Mavilgit G, Ambus U, et al: Brief communication: Specific colony inhibition by human lymphoma cells on an established human lymphoma cell line. *J Natl Cancer Inst* 51:1377-8, Oct 73
CELL DIVISION/ CELL LINE/
CYTOTOXICITY TESTS, IMMUNOLOGIC/
HUMAN/ IN VITRO/ *LYMPH NODES,
cytology/ LYMPH NODES, immunology/
*LYMPHOCYTES, immunology/ *LYMPHOMA,
immunology/ *LYMPHOSARCOMA,
immunology/ MELANOMA, immunology/
OVARY, cytology/ SARCOMA, immunology
915. Dreyfuss J, Ross JJ Jr, Shaw JM: Metabolism of Mercurascan-203Hg by rats and dogs. *J Nucl Biol Med* 17:43-50, Apr-Jun 73
ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ BILE, metabolism/
BIOTRANSFORMATION/ BRAIN, metabolism/
DOGS/ EYE, metabolism/ FEMALE/
*FLUORESCENCE, analysis/ KIDNEY,
metabolism/ LIVER, metabolism/ LUNG,
metabolism/ MALE/ *MERCURY ISOTOPES,
metabolism/ MYOCARDIUM, metabolism/
*RADIOISOTOPES, metabolism/ RATS/
SPLEEN, metabolism/ STOMACH, metabolism/
TESTIS, metabolism
916. Drezner M, Neelon FA, Lebovitz HE: Pseudohypoparathyroidism type II: a possible defect in the reception of the cyclic AMP signal. *N Engl J Med* 289:1056-60, 15 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE, urine/
CALCIUM, blood/ CHILD, PRESCHOOL/
HUMAN/ HYPOPARATHYROIDISM,
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AUTHOR SECTION

- PARATHYROID HORMONE, blood/
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PHOSPHORUS, blood/
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PSEUDOHYPOPARATHYROIDISM,
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PSEUDOHYPOPARATHYROIDISM, diagnosis/
PSEUDOHYPOPARATHYROIDISM, etiology/
*PSEUDOHYPOPARATHYROIDISM,
metabolism/ PSEUDOHYPOPARATHYROIDISM,
physiopathology/
PSEUDOHYPOPARATHYROIDISM, urine
917. Drickamer LC, Vandenbergh JG, Colby DR: Predictors of dominance in the male golden hamster (*Mesocricetus auratus*). *Anim Behav* 21:557-63, Aug 73
AGGRESSION/ ANIMAL EXPERIMENTS/
BODY WEIGHT/ CASTRATION/ *HAMSTERS,
physiology/ INJECTIONS, SUBCUTANEOUS/
MALE/ PIGMENTATION/ SEBACEOUS
GLANDS, anatomy & histology/ SEBACEOUS
GLANDS, physiology/ *SOCIAL DOMINANCE/
TESTOSTERONE, administration & dosage/
TESTOSTERONE, pharmacodynamics
918. Drickamer LC, Vandenbergh JG: Predictors of social dominance in the adult female golden hamster (*Mesocricetus auratus*). *Anim Behav* 21:564-70, Aug 73
AGGRESSION/ ANIMAL EXPERIMENTS/
BODY WEIGHT/ CASTRATION/
COMPARATIVE STUDY/ ESTRUS/ FEMALE/
*HAMSTERS, physiology/ INJECTIONS,
SUBCUTANEOUS/ MALE/ PIGMENTATION/
SEBACEOUS GLANDS, anatomy & histology/
SEBACEOUS GLANDS, drug effects/ *SOCIAL
DOMINANCE/ TESTOSTERONE, administration
& dosage/ TESTOSTERONE, pharmacodynamics
919. Driedger AA, Linton AL: Familial ADH-responsive diabetes insipidus: response to thiazides and chlorpropamide. *Can Med Assoc J* 109:594-7, 6 Oct 73
ADOLESCENCE/ ADULT/
*CHLORPROPAMIDE, therapeutic use/
DEHYDRATION, chemically induced/
DIABETES INSIPIDUS, blood/ DIABETES
INSIPIDUS, diagnosis/ DIABETES INSIPIDUS,
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*HYDROCHLOROTHIAZIDE, therapeutic use/
MALE/ OSMOLAR CONCENTRATION/
PEDIGREE/ VASOPRESSIN/ *VASOPRESSIN,
secretion/ WATER DEPRIVATION
920. Drill VA: Oral contraceptives and thromboembolic disease. *Hum Pathol* 4:454-6, Dec 73
*CONTRACEPTIVES, ORAL, adverse effects/
ESTROGENS, adverse effects/ FEMALE/
HUMAN/ *THROMBOEMBOLISM, chemically
induced/ THROMBOPHLEBITIS, chemically
induced
921. Driscoll AE: A teaching aid for endocrine disorders. *Am J Nurs* 73:1944-5, Nov 73
*ENDOCRINE DISEASES, diagnosis/ HUMAN/
*MEDICINE IN ART/ *TEACHING
MATERIALS
922. Drucker A: [Hereditary kidney diseases] Harefuah 85:221-7, 2 Sep 73 (72 ref.) (Heb)
ACIDOSIS, RENAL TUBULAR, pathology/
ALPORT'S SYNDROME, pathology/ FANCONI
SYNDROME, pathology/ HARTNUP DISEASE,
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pathology/ KIDNEY, SPONGE, pathology/
PSEUDOHYPOPARATHYROIDISM, pathology/
RENAL TUBULAR TRANSPORT, INBORN
ERRORS/ REVIEW
923. Dua-Sharma S, Sharma KN: Forebrain regulation of ovarian cycle in rats: evidence for a dual control. *Indian J Physiol Pharmacol* 17:17-29, Jan-Mar 73
ALCOHOLS, BUTYL/ AMYGDALOID BODY,
physiology/ ANIMAL EXPERIMENTS/ *BRAIN,
physiology/ CAUDATE NUCLEUS, physiology/
*ESTRUS/ ETHYL ETHERS/ FEMALE/
NEURAL INHIBITION/ OLFACTORY BULB,
physiology/ OVARY, anatomy & histology/
*OVARY, physiology/ RATS/ SEPTUM
PELLUCIDUM, physiology/ STEREOTAXIC
TECHNICS/ THALAMUS, physiology/ URINE/
UTERUS, anatomy & histology/ VAGINAL
SMEARS
924. Dublin P, Movassaghi N, Leikin S: Letter: Leukemic infiltration of the testes in acute myelocytic leukemia during bone marrow remission. *J Pediatr* 83:886-7, Nov 73
*BONE MARROW/ CHILD, PRESCHOOL/
CYTARABINE, therapeutic use/ HUMAN/
LEUKEMIA, MYELOBLASTIC, drug therapy/
*LEUKEMIA, MYELOBLASTIC, radiotherapy/
MALE/ NEOPLASM METASTASIS/
REMISSION/ TESTICULAR NEOPLASMS, drug
therapy/ *TESTICULAR NEOPLASMS,
radiotherapy
925. Dubovsky SL, Grabon S, Berl T, et al: Syndrome of inappropriate secretion of antidiuretic hormone with exacerbated psychosis. *Ann Intern Med* 79:551-4, Oct 73
ADULT/ CASE REPORT/ FEMALE/ HUMAN/
*PITUITARY GLAND, POSTERIOR, secretion/
*SCHIZOPHRENIA, physiopathology/
*VASOPRESSIN, secretion/
WATER-ELECTROLYTE BALANCE/ WATER
INTOXICATION, complications
926. Dubrauszy V, Linka F: Endometriosen mit maligner Entartung. *Gynaekol Rundsch* 13:219-30, 1973 (Ger)
ADULT/ *ENDOMETRIOSIS, pathology/
FALLOPIAN TUBE NEOPLASMS, pathology/
FEMALE/ *GYNECOLOGIC NEOPLASMS,
pathology/ HUMAN/ LYMPHATIC
METASTASIS/ MIDDLE AGE/ NEOPLASM
METASTASIS/ OVARIAN NEOPLASMS,
pathology/ UTERINE NEOPLASMS, pathology/
VAGINAL NEOPLASMS, pathology
927. Dudi RJ, Enslnck JW, Baylink D, et al: Evaluation of intravenous calcium as therapy for osteoporosis. *Am J Med* 55:631-7, Nov 73
AGED/ BIOPSY/ BODY COMPOSITION/ BONE
REGENERATION, drug effects/ BONE
RESORPTION, complications/ CALCIUM,
administration & dosage/ CALCIUM, analysis/
*CALCIUM, therapeutic use/ DRUG
EVALUATION/ FEMALE/ HUMAN/
INJECTIONS, INTRAVENOUS/ MIDDLE AGE/
*OSTEOPOROSIS, drug therapy/ TIME
FACTORS
928. Dufau ML, Charreau EH, Catt KJ: Characteristics of a soluble gonadotropin receptor from the rat testis. *J Biol Chem* 248:6973-82, 25 Oct 73
ANIMAL EXPERIMENTS/ BINDING SITES/
CENTRIFUGATION, DENSITY GRADIENT/
FEMALE/ GEL FILTRATION/
*GONADOTROPINS, metabolism/
GONADOTROPINS, CHORIONIC, metabolism/
HUMAN/ HYDROGEN-ION CONCENTRATION/
IODINE RADIOISOTOPES/ LH, metabolism/
MALE/ MOLECULAR WEIGHT/
NEURAMINIDASE, pharmacodynamics/
OXIDATION-REDUCTION/ PHOSPHOLIPASE,
pharmacodynamics/ PROTEIN
CONFORMATION/ RATS/ *RECEPTORS,
HORMONE, drug effects/ SOLUBILITY/
SURFACE-ACTIVE AGENTS,
pharmacodynamics/ TEMPERATURE/ *TESTIS,
metabolism/ TRYPSIN, pharmacodynamics
929. Dukes PP, Shore NA, Hammond D, et al: Enhancement of erythropoiesis by prostaglandins. *J Lab Clin Med* 82:704-12, Nov 73
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ *ERYTHROPOIESIS, drug effects/
ERYTHROPOIETIN, metabolism/
ERYTHROPOIETIN, pharmacodynamics/
FEMALE/ IRON RADIOISOTOPES/ MICE/
*PROSTAGLANDINS, pharmacodynamics
930. Dumas JL, Poirier J: La médullo-surrénale. Données histophysiologiques et cytophysiologiques. *Nouv Presse Med* 2:2105-10, 15 Sep 73 (Fre)

AUTHOR SECTION

- *ADRENAL MEDULLA/ ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, innervation/ ADRENAL MEDULLA, metabolism/ ADRENAL MEDULLA, physiology/ CATECHOLAMINES, biosynthesis/ CATECHOLAMINES, metabolism/ CHROMAFFIN SYSTEM, metabolism/ CYTOPLASMIC GRANULES/ HISTOCYTOCHEMISTRY/ HUMAN
931. Dumas P: L'acromégalie-gigantisme avant Pierre Marie. *Neurochirurgie* 19:Suppl 2:13-22, May 73 (Fre)
*ACROMEGALY, history/ BIBLE/ FRANCE/
*GIGANTISM, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, ANCIENT/ HISTORY OF MEDICINE, 15TH CENT./ HISTORY OF MEDICINE, 16TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HISTORY OF MEDICINE, MEDIEVAL/ HUMAN/ *MEDICINE IN ART/ MEDICINE IN LITERATURE
932. Dumitriu R, Bruni G: Notre expérience avec Acépréval, un nouveau cortisonique topique non fluoriné, en thérapie dermatologique. *Praxis* 62:970-2, 31 Jul 73 (Fre)
CLINICAL RESEARCH/ COMPARATIVE STUDY/ ECZEMA, drug therapy/ EVALUATION STUDIES/ FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ *PREDNISOLONE, TOPICAL, therapeutic use/ PSORIASIS, drug therapy/ ROSACEA, drug therapy/ *SKIN DISEASES, drug therapy/ VALERATES, therapeutic use
933. Dumiao JS, Kannan C, Krauss T, et al: Spironolactone and plasma cortisol. *Clin Pharmacol Ther* 14:992-4, Nov-Dec 73
CLINICAL RESEARCH/ *CORTISONE, blood/ FALSE POSITIVE REACTIONS/ FLUOROMETRY/ HUMAN/ KINETICS/ SPECTROMETRY, FLUORESCENCE/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, metabolism/ TIME FACTORS
934. Dumont F, Sabolović D: Heterogeneity of the hydrocortisone-resistant cell subpopulation in the mouse thymus. *Biomedicine [Express]* 19:257-60, 20 Jun 73
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ LYMPHOCYTE TRANSFORMATION/ MALE/ METHODS/ MICE
935. Duncan G, Jones D: Thyroid crisis: A case report and current treatment. *J SC Med Assoc* 69:377-80, Oct 73
ADULT/ HUMAN/ MALE/ THYROID CRISIS, etiology/ THYROID CRISIS, mortality/ THYROID CRISIS, physiopathology/ *THYROID CRISIS, therapy
936. Dunn JF, Goldstein JL, Wilson JD: Development of increased cytoplasmic binding of androgen in the submandibular gland of the mouse with testicular feminization. *J Biol Chem* 248:7819-25, 25 Nov 73
AGING/ ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ *CYTOPLASM, metabolism/ FEMALE/ GEL FILTRATION/ GENES/ GENOTYPE/ HETEROZYGOSE/ KALLIKREIN-TRYPSIN INACTIVATOR/ MALE/ MICE/ PREGNANCY/ PROTEIN BINDING/ SEX CHROMOSOMES/ SEX FACTORS/ *STANOLONE, metabolism/ SUBMANDIBULAR GLAND, cytology/ *SUBMANDIBULAR GLAND, metabolism/ SUBMANDIBULAR GLAND, physiopathology/ *TESTICULAR FEMINIZATION, metabolism/ TESTICULAR FEMINIZATION, physiopathology/ TRITIUM
937. Dunn RT, Foster LB: Radioimmunoassay of thyroxine in unextracted serum, by a single-antibody technique. *Clin Chem* 19:1063-6, Sep 73
ANTIBODIES/ BINDING SITES, ANTIBODY/ CHARCOAL/ COMPARATIVE STUDY/ DRUG STABILITY/ EVALUATION STUDIES/ HEAT/ HEMOGLOBIN/ HUMAN/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ METHODS/ MICROCHEMISTRY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *THYROXINE, blood/ TIME FACTORS
938. Dunn T, Arle T: Mental disturbance in the ill old person. *Br Med J* 4:413-6, 17 Nov 73
*AGED/ BRAIN NEOPLASMS, complications/ CEREBRAL ANOXIA/ CEREBRAL ISCHEMIA, TRANSIENT/ CEREBROVASCULAR DISORDERS, complications/ COGNITION DISORDERS, etiology/ DELUSIONS, etiology/ DEPRESSION, complications/ DIABETES MELLITUS, complications/ DRUG THERAPY, adverse effects/ EPILEPSY, complications/ FEMALE/ HEMATOMA, SUBDURAL, complications/ HUMAN/ INFECTION, complications/ MALE/ MENTAL DISORDERS, chemically induced/ *MENTAL DISORDERS, complications/ MENTAL DISORDERS, etiology/ MENTAL DISORDERS, therapy/ MYXEDEMA, complications/ NECROSIS, complications
939. Duńska E, Horodyski B, Proszak-Kossowska K, et al: Wpływ środowiska pracy zakładów lekochemicznych HIL na poziom kwasu askorbinowego w krwi i tkankach zwierząt doświadczalnych. *Czas Stomatol* 26:1141-4, 1973 (Pol)
ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, analysis/ *ASCORBIC ACID, blood/ *CHEMICAL INDUSTRY/ *COAL, adverse effects/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ *MOUTH MUCOSA, analysis/ *OCCUPATIONAL DISEASES, chemically induced/ POLAND/ RABBITS
940. Duplan JF: Action radio-sensibilisatrice de la bléomycine sur les cellules tumorales. *Bull Cancer (Paris)* 59:419-28, Oct-Dec 72 (Fre)
ANIMAL EXPERIMENTS/ *BLEOMYCIN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ MALE/ MICE/ NEOPLASMS, EXPERIMENTAL, drug therapy/ *NEOPLASMS, EXPERIMENTAL, radiotherapy/ OVARIAN NEOPLASMS, drug therapy/ *OVARIAN NEOPLASMS, radiotherapy/ *RADIATION-SENSITIZING AGENTS, pharmacodynamics
941. Du Priest RW Jr, Fletcher WS: Chemotherapy of testicular germinal tumors. *Oncology* 28:147-63, 1973
ALKYLATING AGENTS, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DACTINOMYCIN, therapeutic use/ DISGERMINOMA, mortality/ DISGERMINOMA, pathology/ HUMAN/ MALE/ MECHLORETHAMINE, therapeutic use/ MELPHALAN, therapeutic use/ METHOTREXATE, therapeutic use/ MITHRAMYCIN, therapeutic use/ NITROFURAZONE, therapeutic use/ PHARMACEUTIC AIDS/ PROGNOSIS/ TESTICULAR NEOPLASMS, diagnosis/ *TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, pathology/ TESTIS, pathology/ VINCRISTINE, therapeutic use
942. Dussart G, Richoux JF: Régulation de la fonction génitale chez le lérot. Action des hormones gonatropes sur les activités monoamine-oxydasiques diencéphaliques et sur les glandes génitales durant l'hivernation. *Ann Endocrinol (Paris)* 34:115-32, Mar-Apr 73 (Fre)
ANIMAL EXPERIMENTS/ *DIENCEPHALON, enzymology/ ENGLISH ABSTRACT/ FEMALE/ *GENITALIA, physiology/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ *HIBERNATION/ LEYDIG CELLS, drug effects/ MALE/ *MONOAMINE OXIDASE, metabolism/ OVARY, drug effects/

AUTHOR SECTION

- OVARY, physiology/ *RODENTS, physiology/
TESTIS, drug effects/ TESTIS, physiology/
TIME FACTORS/ VAGINA, physiology/
VAGINAL SMEARS
943. Dutz H, Schmidt PK: Diagnostik und Therapie der Nierenarterienstenose aus der Sicht des Internisten. Zentralbl Chir 98:657-66, 4 May 73 (Ger)
ANTIHYPERTENSIVE AGENTS, therapeutic use/ BIOPSY/ HUMAN/ HYPERTENSION, RENAL, complications/ NEPHRECTOMY/ POSTOPERATIVE COMPLICATIONS/ *RENAL ARTERY OBSTRUCTION, diagnosis/ RENAL ARTERY OBSTRUCTION, drug therapy/ RENAL ARTERY OBSTRUCTION, etiology/ RENAL ARTERY OBSTRUCTION, physiopathology/ RENAL ARTERY OBSTRUCTION, radiography/ RENAL ARTERY OBSTRUCTION, surgery/ RENIN, blood/ REVIEW/ UROGRAPHY
944. Dwyer JM: Editorial: Corticosteroids in asthma. Drugs 6:81-3, 1973
*ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ *ASTHMA, drug therapy/ *BRONCHIAL SPASM, drug therapy/ CHRONIC DISEASE/ CIRCADIAN RHYTHM/ EDEMA, drug therapy/ HUMAN/ SPUTUM, drug effects
945. Dykstra SJ, Minielli JL, Lawson JE, et al: Lysergic acid and quinidine analogs. 2-(o-Acylaminophenethyl)piperidines. J Med Chem 16:1015-20, Sep 73
ANILIDES, chem synthesis/ ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ERGOLINES, chem synthesis/ ERGOLINES, pharmacodynamics/ FEMALE/ HEART RATE, drug effects/ IN VITRO/ MICE/ MUSCLE CONTRACTION, drug effects/ *MYOCARDIAL DEPRESSANTS, chem synthesis/ MYOCARDIAL DEPRESSANTS, pharmacodynamics/ *PIPERIDINES, chem synthesis/ *QUINIDINE, chem synthesis/ QUINIDINE, pharmacodynamics/ RATS/ SEROTONIN, antagonists & inhibitors/ SPASM, prevention & control/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects
- E
946. Easterday JL, Nickell MD, Fahim Z, et al: Effects of vasectomy on endocrine and hepatic function. Res Commun Chem Pathol Pharmacol 6:301-12, Jul 73
ALKALINE PHOSPHATASE, analysis/ ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ DNA, analysis/ *ENDOCRINE GLANDS, physiology/ LIGATION/ LIVER, anatomy & histology/ LIVER, metabolism/ *LIVER, physiology/ MALE/ ORGAN WEIGHT/ PROSTATE, analysis/ RATS/ RNA, analysis/ SEMINAL VESICLES, analysis/ SPERMATOGENESIS/ TESTIS, anatomy & histology/ TESTIS, enzymology/ *TESTIS, physiology/ TESTOSTERONE, blood/ *VASECTOMY
947. Eastwood JB, Bordier PJ, Wardener HE de: Some biochemical, histological, radiological and clinical features of renal osteodystrophy. Kidney Int 4:128-40, Aug 73 (60 ref.)
BONE AND BONES, metabolism/ BONE REGENERATION/ CALCINOSIS, prevention & control/ CALCINOSIS, radiography/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, therapeutic use/ CARBONATES, analysis/ HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPERPARATHYROIDISM, SECONDARY, radiography/ INTESTINAL ABSORPTION/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, metabolism/ MAGNESIUM, metabolism/ OSTEOSCLEROSIS, radiography/ PARATHYROID GLANDS, physiology/ PHOSPHORUS, blood/ PHOSPHORUS, metabolism/ *RENAL OSTEODYSTROPHY/ RENAL OSTEODYSTROPHY, drug therapy/ REVIEW/ VITAMIN D, therapeutic use
948. Eastwood MA, Mitchell WD, Findlay JM, et al: The management of patients with diarrhoea resulting from ileal dysfunction. Scott Med J 18:152-6, Sep 73
AGED/ CHOLELITHIASIS, etiology/ DIARRHEA, diagnosis/ DIARRHEA, drug therapy/ *DIARRHEA, etiology/ ENTERITIS, REGIONAL, surgery/ FEMALE/ GASTROINTESTINAL AGENTS, therapeutic use/ HUMAN/ *ILEUM, physiopathology/ ILEUM, surgery/ ISCHEMIA, etiology/ ISCHEMIA, surgery/ KIDNEY CALCULI, etiology/ LIGNIN, therapeutic use/ MALABSORPTION SYNDROMES, drug therapy/ MALE/ MESENTERY, blood supply/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ VITAMIN A, therapeutic use/ VITAMIN B 12, therapeutic use/ VITAMIN D, therapeutic use/ VITAMIN K, therapeutic use
949. Ebbesen P, Arnung KM: Enhancement of the dye-exclusion cytotoxic test by insulin and inhibition by cyclic adenosine 3':5'-monophosphate and theophylline. Transplantation 16:476-8, Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ IMMUNE SERUMS/ *IMMUNITY, CELLULAR, drug effects/ *INSULIN, pharmacodynamics/ LYMPHOCYTES, immunology/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C3H/ SPLEEN, cytology/ *THEOPHYLLINE, pharmacodynamics/ THYMUS GLAND, cytology
950. Ebbin AJ, Wilson MG, Chandor SB, et al: Inadvertent rubella immunization in pregnancy. Am J Obstet Gynecol 117:505-12, 15 Oct 73
ABORTION, etiology/ ABORTION, THERAPEUTIC/ CONTRACEPTIVES, ORAL/ FEMALE/ FETAL DISEASES, etiology/ FETAL DISEASES, pathology/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, etiology/ *PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTION, etiology/ RUBELLA, immunology/ *RUBELLA VACCINE/ RUBELLA VACCINE, adverse effects/ RUBELLA VIRUS, isolation & purification/ VIRUS CULTIVATION
951. Eccleston D, Ritchie IM: Sulphate ester formation from catecholamine metabolites and pyrogallol in rat brain in vivo. J Neurochem 21:635-46, Sep 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ CARBON RADIOISOTOPES/ *CATECHOLAMINES, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ ESTERS/ *GLYCOLS, metabolism/ KINETICS/ MALE/ METHOXYHYDROXYPHENYL GLYCOL, metabolism/ NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, metabolism/ *PYROGALLOL, metabolism/ PYROGALLOL, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ SULFUR RADIOISOTOPES/ *SULFURTRANSFERASES, metabolism/ TIME FACTORS/ TRITIAM
952. Eckmann L: Operationsindikationen bei Schilddrüsenerkrankungen. Praxis 62:1027-30, 21 Aug 73 (Ger)
GOITER, NODULAR, surgery/ HUMAN/ HYPERTHYROIDISM, surgery/ METHODS/ *THYROID DISEASES, surgery/ THYROID NEOPLASMS, surgery/ THYROIDITIS, surgery
953. Eddy LJ, Hershman JM, Taylor RE Jr, et al: Binding of thyrotropin releasing hormone by thyrotropin-secreting cells. Biochem Biophys Res Commun 54:140-6, 5 Sep 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON RADIOISOTOPES/ CATTLE/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, ZONAL/ GEL FILTRATION/ KINETICS/ MICE/ NEOPLASMS, EXPERIMENTAL/ PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, pathology/ *PITUITARY GLAND, secretion/

AUTHOR SECTION

- PITUITARY NEOPLASMS, metabolism/
PROTEIN BINDING/ RATS/ RECEPTORS,
HORMONE/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ *THYROTROPIN, secretion/
*THYROTROPIN RELEASING HORMONE,
metabolism/ TIME FACTORS/ TRITIUM
954. Eddy RL, Jones AL, Gilliland PF, et al: Cushing's syndrome: a prospective study of diagnostic methods. *Am J Med* 55:621-30, Nov 73
ADULT/ COMPARATIVE STUDY/ *CUSHING'S SYNDROME, diagnosis/ DEXAMETHASONE, diagnostic use/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ OBESITY, diagnosis/ PROSPECTIVE STUDIES
955. Ede M: A double-blind, comparative study of benzoyl peroxide, benzoyl peroxide-chlorhydroxyquinoline, benzoyl peroxide-chlorhydroxyquinoline-hydrocortisone, and placebo lotions in acne. *Curr Ther Res* 15:624-9, Sep 73
*ACNE, drug therapy/ ADOLESCENCE/ ADULT/ *BENZOATES, therapeutic use/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ *HYDROCORTISONE, therapeutic use/ MALE/ *PEROXIDES, therapeutic use/ PLACEBOS/ *QUINOLINES, therapeutic use
956. Ede MC: Circadian rhythms of drug effectiveness and toxicity. *Clin Pharmacol Ther* 14:925-35, Nov-Dec 73 (77 ref.)
ADRENAL CORTEX HORMONES, metabolism/ ADRENAL GLANDS, secretion/ ANABOLIC STEROIDS, metabolism/ ANALEPTICS, pharmacodynamics/ ANALEPTICS, toxicity/ ANESTHETICS, pharmacodynamics/ ANESTHETICS, toxicity/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, metabolism/ ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ *CIRCADIAN RHYTHM/ *DRUG EVALUATION/ DRUG SCREENING/ HISTAMINE LIBERATION/ HUMAN/ LETHAL DOSE 50/ LIVER, metabolism/ MICE/ RATS/ REVIEW
957. Edmeads J: Management of the acute attack of migraine. *Headache* 13:91-5, Oct 73
ANTIEMETICS, therapeutic use/ AUTOGENIC TRAINING/ ERGOTAMINE, therapeutic use/ GLUCOCORTICIDS, therapeutic use/ HUMAN/ HYPNOSIS/ HYPNOTICS AND SEDATIVES, therapeutic use/ *MIGRAINE, therapy/ SALICYLATES, therapeutic use
958. Edwards BA, Edwards ME: Subcellular distribution and some properties of the enzyme activity involved in the breakdown of tritiated lysine vasopressin by bovine neurohypophyses. *J Endocrinol* 59:193-4, Oct 73
ANIMAL EXPERIMENTS/ CALCIUM/ CATHEPSIN, analysis/ CATTLE/ CHROMATOGRAPHY/ EDTA/ ENZYME ACTIVATION/ FUMARATE HYDRATASE, analysis/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ LACTATE DEHYDROGENASE, analysis/ LYSINE/ LYSOSOMES, enzymology/ MAGNESIUM/ PEPTIDE HYDROLASES, analysis/ *PITUITARY GLAND, POSTERIOR, enzymology/ SUBCELLULAR FRACTIONS, enzymology/ TRITIUM/ *VASOPRESSIN, metabolism
959. Edwards C, Nahorski SR, Rogers KJ: In vivo changes in the concentration of cerebral cyclic AMP, phosphorylase a and glycogen induced by biogenic amines. *Br J Pharmacol* 48:353P-354P, Jun 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, pharmacodynamics/ BRAIN, enzymology/ *BRAIN CHEMISTRY, drug effects/ CHICKENS/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ *GLYCOGEN, analysis/ *GLYCOGEN
- PHOSPHORYLASE, analysis/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PROTEIN BINDING/ TIME FACTORS
960. Edwards RG: Studies on human conception. *Am J Obstet Gynecol* 117:587-601, 1 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANTIBODIES, analysis/ AUTOANTIBODIES, analysis/ CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ ESTROGENS, urine/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ GRAAFIAN FOLLICLE, analysis/ GRAAFIAN FOLLICLE, growth & development/ GRAAFIAN FOLLICLE, metabolism/ HUMAN/ LH, physiology/ MALE/ MENOTROPINS, pharmacodynamics/ MENOTROPINS, therapeutic use/ MENSTRUATION DISORDERS, drug therapy/ OVULATION, drug effects/ PREGNANCY/ PROTAGLANDINS, metabolism/ SPERMATOGENESIS, drug effects/ SPERMATOOZOA, immunology/ STEROIDS, urine
961. Efendieva AT: Funktsional'noe sootolanie simpatiko-adrenalovoi sistemy u bol'nykh pereneshikh infarkt miokarda, v protsesse rannego etapa posleboi'nicnoi reabilitatsii s primeneniem fizicheskikh faktorov. *Vopr Kurortol Fizioter Lech Fiz Kult* 38:329-36, Jul-Aug 73 (Rus)
*ADRENAL GLANDS, physiopathology/ CONVALESCENCE/ HOSPITALIZATION/ HUMAN/ MYOCARDIAL INFARCT, physiopathology/ *MYOCARDIAL INFARCT, rehabilitation/ *PHYSICAL THERAPY/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology
962. Egart FM, Aleksandrov KA: Voprosy kliniki i lecheniya pubertatno-lunosheskogo disipitularizma. *Klin Med (Mosk)* 51:117-23, Aug 73 (Rus)
ADOLESCENCE/ ADULT/ BODY WEIGHT/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ OBESITY, therapy/ *PITUITARY DISEASES, diagnosis/ PITUITARY DISEASES, drug therapy/ *PUBERTY/ TRIIODOTHYRONINE, therapeutic use
963. Eggena P: Inhibition of vasopressin-stimulated urea transport across the toad bladder by thiourea. *J Clin Invest* 52:2963-70, Nov 73
ANIMAL EXPERIMENTS/ ARGININE/ BINDING, COMPETITIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BLADDER, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ CELL MEMBRANE PERMEABILITY/ GLUTARALDEHYDE, pharmacodynamics/ HISTOLOGICAL TECHNIQUES/ IN VITRO/ MUCOUS MEMBRANE, metabolism/ OSMOLAR CONCENTRATION/ OSMOTIC PRESSURE/ STIMULATION, CHEMICAL/ *THIOUREA, metabolism/ *UREA, metabolism/ *VASOPRESSIN, antagonists & inhibitors/ VASOPRESSIN, pharmacodynamics/ WATER, metabolism
964. Eggert H, Djerassi C: Carbon-13 nuclear magnetic resonance spectra of keto steroids. *J Org Chem* 38:3788-92, 19 Oct 73
*ANDROSTANES/ CHEMISTRY/ *CHOLESTANES/ *KETOSTEROIDS/ NUCLEAR MAGNETIC RESONANCE
965. Ehinger B: Localization of the uptake of prostaglandin E1 in the eye. *Exp Eye Res* 17:43-7, 10 Oct 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CILIARY BODY, metabolism/ CORNEA, metabolism/ EPITHELIUM, analysis/ *EYE, metabolism/ IN VITRO/ IRIS, metabolism/ LIVER, metabolism/ MYOCARDIUM, metabolism/

AUTHOR SECTION

- *PROSTAGLANDINS, metabolism/ RABBITS/
RETINA, metabolism/ TRITIUM
966. Ehrhart H: Chemotherapie maligner Geschwülste.
Munch Med Wochenschr 115:814-32, 4 May 73 (Ger)
ALKYLATING AGENTS, therapeutic use/
ANTIBIOTICS, ANTINEOPLASTIC, therapeutic
use/ ANTIMETABOLITES, therapeutic use/
ANTINEOPLASTIC AGENTS, administration &
dosage/ ANTINEOPLASTIC AGENTS, adverse
effects/ *ANTINEOPLASTIC AGENTS,
therapeutic use/ ASPARAGINASE,
administration & dosage/ ASPARAGINASE,
therapeutic use/ ENGLISH ABSTRACT/
EVALUATION STUDIES/ HUMAN/
*NEOPLASMS, drug therapy/ NEOPLASMS,
radiotherapy/ NEOPLASMS, surgery/
PREDNISOLONE, therapeutic use/
PREDNISONE, therapeutic use/ REMISSION
967. Ehrlich SD, Thlery JP, Bernardi G: Pyrimidine tracts of
the (A + T)-rich satellite DNA from Cancer pagurus.
Biochim Biophys Acta 312:833-6, 27 Jul 73
ADENINE/ ANIMAL EXPERIMENTS/
CENTRIFUGATION, DENSITY GRADIENT/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CRABS/ CYTIDINE, analysis/ *DNA, analysis/
GEL FILTRATION/ MALE/
OLIGONUCLEOTIDES, analysis/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*TESTIS, analysis/ THYMINE
968. Eichholtz W: Osteogenesis imperfecta.
Elektronenmikroskopische Befunde an Sklera und
Cornea.
Ber Dtsch Ophthalmol Ges 71:116-20, 1972 (Ger)
ADOLESCENCE/ CHONDROITIN, analysis/
*CORNEA, pathology/ ENDOPLASMIC
RETICULUM/ ENGLISH ABSTRACT/ EYE
MANIFESTATIONS/ HUMAN/ MALE/
MICROSCOPY, ELECTRON/
MUCOPOLYSACCHARIDES, analysis/
*OSTEOGENESIS IMPERFECTA, pathology/
*SCLERA, pathology
969. Eichner E: Oral contraception.
Med Trial Tech Q 361-6, 1973
CONTRACEPTIVES, ORAL, administration &
dosage/ *CONTRACEPTIVES, ORAL, adverse
effects/ DOSAGE FORMS/ ESTROGENS,
administration & dosage/ FEMALE/ HUMAN
970. Eichner HL, Schambelan M, Biglieri EG: Systemic lupus
erythematosus with adrenal insufficiency.
Am J Med 55:700-5, Nov 73
*ADDISON'S DISEASE, complications/
ADDISON'S DISEASE, drug therapy/
ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ ALDOSTERONE, secretion/
CASE REPORT/ CORTICOTROPIN, diagnostic
use/ FEMALE/ HUMAN/ HYDROCORTISONE,
secretion/ HYDROXYCORTICOSTEROIDS,
blood/ HYDROXYCORTICOSTEROIDS, urine/
*LUPUS ERYTHEMATOSUS, SYSTEMIC,
complications/ LUPUS ERYTHEMATOSUS,
SYSTEMIC, diagnosis
971. Elgler J: La diagnosi di diabeto insipido.
Minerva Med 64:3048-51, 18 Aug 73 (Ita)
*DIABETES INSIPIDUS, diagnosis/ DIABETES
INSIPIDUS, etiology/ DIABETES INSIPIDUS,
physiopathology/ DIURESIS/ OSMOLAR
CONCENTRATION/ THIRST/ VASOPRESSIN,
diagnostic use/ VASOPRESSIN, secretion
972. Eller H, Silva N, Gonzalez E, et al: Myotonic effect of
bovine follicular fluid on estrous and diestrous rat
uteri in vitro and on bovine mammary gland in vivo.
Am J Vet Res 34:1287-70, Oct 73
ANIMAL EXPERIMENTS/ ATROPINE,
pharmacodynamics/ *CATTLE, physiology/
ESTRUS/ FEMALE/ *GRAAFIAN FOLLICLE,
secretion/ HUMAN/ IN VITRO/ LACTATION/
*MAMMAE, drug effects/ MAMMAE,
physiology/ METHYSERGIDE,
pharmacodynamics/ MUSCLE CONTRACTION,
drug effects/ OXYTOCIN, pharmacodynamics/
PHENOXYBENZAMINE, pharmacodynamics/
PLASMA/ PREGNANCY/ RATS/
THIOGLYCOLATES, pharmacodynamics/
*UTERUS, drug effects/ UTERUS, physiology
973. Elsinger AJ: Goodpasture's syndrome: failure of
nephrectomy to cure pulmonary hemorrhage.
Am J Med 55:565-70, Oct 73
ADULT/ BASEMENT MEMBRANE,
immunology/ COMPLEMENT, analysis/
CYCLOPHOSPHAMIDE, therapeutic use/
FEMALE/ FLUORESCENT ANTIBODY
TECHNIC/ GOODPASTURE'S SYNDROME,
drug therapy/ GOODPASTURE'S SYNDROME,
pathology/ *GOODPASTURE'S SYNDROME,
surgery/ HEMOPTYSIS, etiology/ HUMAN/
IGG, analysis/ KIDNEY, immunology/ KIDNEY,
pathology/ LUNG, pathology/ LUNG,
radiography/ MALE/ *NEPHRECTOMY/
POSTOPERATIVE COMPLICATIONS/
PREDNISONE, therapeutic use
974. Ekpechi OL: De Quervain's acute non suppurative
thyroiditis in Nigeria. Trop Geogr Med 25:223-5, Sep 73
ADULT/ DEVELOPING COUNTRIES/
DIAGNOSIS, DIFFERENTIAL/ FEMALE/
HUMAN/ MALE/ NEGROID RACE/ NIGERIA/
SEX FACTORS/ THYROIDITIS, diagnosis/
*THYROIDITIS, occurrence
975. Elias PM: Erythema nodosum and serological lupus
erythematosus. Simultaneous occurrence in a patient
using oral contraceptives.
Arch Dermatol 108:716-8, Nov 73
ADULT/ ANTINUCLEAR FACTORS, analysis/
COMPLEMENT, analysis/ *CONTRACEPTIVES,
ORAL, adverse effects/ *ERYTHEMA
NODOSUM, chemically induced/ ERYTHEMA
NODOSUM, complications/ ERYTHEMA
NODOSUM, immunology/ ERYTHEMA
NODOSUM, pathology/ ETHINYL ESTRADIOL,
adverse effects/ ETHYNODIOL DIACETATE,
adverse effects/ HUMAN/ LE CELLS/
*LUPUS ERYTHEMATOSUS, SYSTEMIC,
chemically induced/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, complications/
LUPUS ERYTHEMATOSUS, SYSTEMIC,
immunology/ MALE/ PHAGOCYTOSIS
976. Elkaim R, Micoud M, Madani C, et al: Profil stéroïdien
urinaire des cirrhoses: étude par une méthode
d'analyse en phase gazeuse.
Ann Endocrinol (Paris) 34:241-60, May-Jun 73 (Fre)
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ ENGLISH ABSTRACT/ *ESTROGENS,
urine/ HUMAN/ *HYDROXYSTEROIDS, urine/
17-KETOSTEROIDS, urine/ *KETOSTEROIDS,
urine/ LIVER CIRRHOSIS, etiology/ *LIVER
CIRRHOSIS, urine/ MALE/ *TESTOSTERONE,
urine/ TIME FACTORS
977. Ellegaard J, Dimitrov NV: Ouabain-sensitive and
oligomycin-sensitive adenosine-triphosphatase
activities of normal human lymphocytes.
Br J Haematol 25:309-19, Sep 73
*ADENOSINE TRIPHOSPHATASE, analysis/
ANTIGENS, NEOPLASM/ CALCIUM,
metabolism/ DINITROPHENOLS,
pharmacodynamics/ FLUORIDES,
pharmacodynamics/ HUMAN/ *LYMPHOCYTES,
enzymology/ MAGNESIUM, metabolism/
MITOCHONDRIA, enzymology/ *OLIGOMYCIN,
pharmacodynamics/ *OUABAIN,
pharmacodynamics/ PLANT AGGLUTININS,
pharmacodynamics/ POTASSIUM,
pharmacodynamics/ PUROMYCIN,
pharmacodynamics/ SODIUM,
pharmacodynamics
978. Ellicott AR, Dziuk PJ: Minimum daily dose of
progesterone and plasma concentration for
maintenance of pregnancy in ovariectomized gilts.
Biol Reprod 9:300-4, Oct 73
ANIMAL EXPERIMENTS/ *CASTRATION/
*ESTRADIOL, administration & dosage/
FEMALE/ PREGNANCY/ *PREGNANCY,
ANIMAL, drug effects/ *PROGESTERONE,
administration & dosage/ PROGESTERONE,
blood/ SILICONE ELASTOMERS/ SWINE/
TRITIUM
979. Ellicott AR, Dziuk PJ, Poige C: Maintenance of

AUTHOR SECTION

- pregnancy in prepuberal gilts.
J Anim Sci 37:971-3, Oct 73
- AGE FACTORS/ ANIMAL EXPERIMENTS/
ESTRADIOL, pharmacodynamics/ *ESTROGENS,
pharmacodynamics/ ESTRONE,
pharmacodynamics/ ESTRUS/ FEMALE/
*GONADOTROPINS, pharmacodynamics/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
EQUINE, pharmacodynamics/ INSEMINATION,
ARTIFICIAL, veterinary/
MEDROXYPROGESTERONE,
pharmacodynamics/ MELENGESTROL,
pharmacodynamics/ OVULATION, drug effects/
PREGNANCY/ *PREGNANCY, ANIMAL, drug
effects/ *PROGESTERONE, pharmacodynamics/
PUBERTY/ *SWINE, physiology
980. Elliott GA, Gibbons AJ, Greig ME: Therapeutic effects
of melengestrol acetate, cyclophosphamide and
palmitoyl cytarabine in established experimental
allergic encephalomyelitis of rats.
Arch Int Pharmacodyn Ther 204:62-76, Jul 73
- ADRENAL GLANDS/ ANIMAL
EXPERIMENTS/ BODY WEIGHT/ BRAIN,
pathology/ *CYCLOPHOSPHAMIDE, therapeutic
use/ *CYTARABINE, therapeutic use/
*ENCEPHALOMYELITIS, ALLERGIC, drug
therapy/ ENCEPHALOMYELITIS, ALLERGIC,
pathology/ ERYTHROCYTE COUNT/ FEMALE/
HEMATOCRIT/ HEMOGLOBIN/ LEUKOCYTE
COUNT/ LIVER, drug effects/
MELENGESTROL, therapeutic use/ ORGAN
WEIGHT/ PALMITIC ACID, therapeutic use/
PARALYSIS, drug therapy/
*PREGNANEDIONES/ *PROGESTATIONAL
HORMONES, therapeutic use/ RATS/ SPINAL
CORD, pathology/ SPLEEN/ STAINS AND
STAINING/ THYMUS GLAND/ TIME
FACTORS
981. Ellman GL, Gan GL: Lithium ion and water balance in
rats. Toxicol Appl Pharmacol 25:617-20, Aug 73
- ANIMAL EXPERIMENTS/ BODY WEIGHT/
BRAIN, drug effects/ BRAIN, metabolism/
CHLORIDES, metabolism/ DRINKING/
HISTOCYTOCHEMISTRY/ LITHIUM, blood/
*LITHIUM, metabolism/ MALE/ PITUITARY
GLAND, drug effects/ PITUITARY GLAND,
metabolism/ RATS/ TIME FACTORS/
*WATER-ELECTROLYTE BALANCE, drug
effects
982. Ellman L, Carvalho A, Jacobson BM, et al: Platelet
autoantibody in a case of infectious mononucleosis
presenting as thrombocytopenic purpura.
Am J Med 55:723-6, Nov 73
- ADULT/ *AUTOANTIBODIES, analysis/
*BLOOD PLATELETS, immunology/ BLOOD
PLATELETS, metabolism/ CARBON
RADIOISOTOPES/ CASE REPORT/ FEMALE/
HUMAN/ IGG, analysis/ IMMUNOASSAY/
*INFECTIOUS MONONUCLEOSIS, immunology/
PLATELET ADHESIVENESS/ *PURPURA,
THROMBOPENIC, etiology/ SEROTONIN,
metabolism
983. Elsalr J, Poey J, Naceur J, et al: Effets de l'hormone de
croissance, de la prolactine et d'une association des
deux sur le bilan d'azote du rat. Recherche d'un effet
de sommation.
Ann Nutr Aliment 27:1-10, 1973 (Fre)
- ANIMAL EXPERIMENTS/ BODY WEIGHT/
DRUG SYNERGISM/ ENGLISH ABSTRACT/
FECES, analysis/ MALE/ NITROGEN, analysis/
*NITROGEN, metabolism/ NITROGEN, urine/
PROLACTIN, administration & dosage/
*PROLACTIN, pharmacodynamics/ RATS/
SOMATOTROPIN, administration & dosage/
*SOMATOTROPIN, pharmacodynamics
984. Elston CW, Bagshawe KD: Cellular reaction in
trophoblastic tumours. Br J Cancer 28:245-56, Sep 73
- ABORTION/ ADOLESCENCE/ ADULT/
CHORIOCARCINOMA, pathology/ FEMALE/
HUMAN/ HYDATIDIFORM MOLE, pathology/
LEUKOCYTES/ LYMPHOCYTES/ NEOPLASM
METASTASIS/ NEUTROPHILS/ PREGNANCY/
TERATOID TUMOR, pathology/
*TROPHOBLASTIC TUMOR, pathology
985. Emadi M, Noakes DE: Proceedings: The
pharmacological control of the time of parturition in
the ewe. Vet Rec 93:76, 21 Jul 73
- ANIMAL EXPERIMENTS/ FEMALE/
FLUMETHASONE, administration & dosage/
*FLUMETHASONE, pharmacodynamics/
GESTATIONAL AGE/ *LABOR, INDUCED,
veterinary/ PREGNANCY/ *SHEEP, physiology
986. Embrey MP, Hillier K, Calder AA: Letter: Early
abortion induced with prostaglandin F2a and a
prostaglandin analogue I.C.I. 74,205.
Lancet 2:1100, 10 Nov 73
- *ABORTION, INDUCED/ FEMALE/ HUMAN/
PREGNANCY/ *PROSTAGLANDINS/
*PROSTAGLANDINS, administration & dosage/
PROSTAGLANDINS, pharmacodynamics/
UTERUS, drug effects
987. Emmelot P: Biochemical properties of normal and
neoplastic cell surfaces; a review.
Eur J Cancer 9:319-33, May 73 (170 ref.)
- ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ANIMAL EXPERIMENTS/
BINDING SITES/ CARBOHYDRATES, analysis/
*CELL MEMBRANE, analysis/ CELL
TRANSFORMATION, NEOPLASTIC/ DNA,
NEOPLASM, biosynthesis/ GLYCOLIPIDS,
analysis/ GLYCOPROTEINS, analysis/ HUMAN/
MITOSIS/ *NEOPLASMS, metabolism/
NEURAMINIC ACIDS, analysis/
PHOSPHOLIPIDS, analysis/ PLANT
AGGLUTININS/ REVIEW
988. Endo M, Tamura S, Minakuchi S, et al: Isolation and
identification of proteohyaluronic acid from a cyst of
cystic mucoid degeneration.
Clin Chim Acta 47:417-24, 14 Sep 73
- CATTLE/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ CHROMATOGRAPHY,
PAPER/ *CYSTS, metabolism/
ELECTROPHORESIS/ FEMALE/ GEL
FILTRATION/ HUMAN/ *HYALURONIC ACID,
analysis/ HYALURONIC ACID, isolation &
purification/ HYALURONIDASE/ MALE/
MIDDLE AGE/ POPLITEAL ARTERY/
PRONASE/ SPECTROPHOTOMETRY,
INFRARED/ STREPTOMYCES, enzymology/
TESTIS, enzymology/ *VASCULAR DISEASES,
metabolism
989. Enerbäck L, Johansson KA: Fluorescence fading in
quantitative fluorescence microscopy: a
cytofluorometry of the automatic recording of
fluorescence peaks of very short duration.
Histochem J 5:351-62, Jul 73
- ANIMAL EXPERIMENTS/ AUTOANALYSIS/
CELL NUCLEUS, analysis/ COMPARATIVE
STUDY/ COMPUTERS, DIGITAL/ DNA,
analysis/ EVALUATION STUDIES/
FLUORESCINS/ FLUORESCENCE/ IGG/
LIVER, analysis/ LIVER, cytology/ MALE/
MAST CELLS, analysis/ MAST CELLS,
cytology/ METHODS/ *MICROSCOPY,
FLUORESCENCE, instrumentation/ RATS/
ROSANILINE DYES/ SEROTONIN/ STAINS
AND STAINING/ TIME FACTORS/ XENON
990. Enger MD, Campbell EW, Walters RA: Effects of
ionizing radiation on RNA metabolism in cultured
mammalian cells. I. Specific effects during division
delay following exposure to x irradiation.
Biochim Biophys Acta 324:120-32, 28 Sep 73
- CELL DIVISION, radiation effects/ CELL
LINE/ CELL NUCLEUS, metabolism/
CENTRIFUGATION, DENSITY GRADIENT/
CENTRIFUGATION, ZONAL/ CYTOSOL,
metabolism/ FEMALE/ HAMSTERS/ ISOTOPE
LABELING/ MOLECULAR WEIGHT/ OVARY/
PROTEINS, biosynthesis/ *RADIATION
EFFECTS/ RNA, biosynthesis/ RNA,
metabolism/ *RNA, radiation effects/ RNA,
MESSENGER, biosynthesis/ RNA, RIBOSOMAL,
metabolism/ RNA, RIBOSOMAL, radiation
effects/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ TIME FACTORS/
*TRANSLATION, GENETIC, radiation effects/
TRITIUM/ URIDINE, metabolism
991. England F, Webb J, Randall TW, et al: Studies on

AUTHOR SECTION

- thyroid function in the mouse: interstrain differences in thyroxine secretion rates and organ content of thyroxine. *Acta Endocrinol (Kbh)* 73:681-8, Aug 73
- ANIMAL EXPERIMENTS/ BODY WEIGHT/ COMPARATIVE STUDY/ FEMALE/ GAMMA GLOBULIN, metabolism/ INTESTINES, analysis/ IODINE RADIOISOTOPES/ KIDNEY, analysis/ LIVER, analysis/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C3H/ MICE, INBRED CBA/ MICE, INBRED NZB/ MYOCARDIUM, analysis/ PROTEIN-BOUND IODINE TEST/ SECRETORY RATE/ SPECIES SPECIFICITY/ SPLEEN, analysis/ THYMUS GLAND, analysis/ THYROXINE, analysis/ *THYROXINE, secretion
992. Ennis JT, Whitehouse G, Ross FG, et al: The radiology of the bone changes in histiocytosis X. *Clin Radiol* 24:212-20, Apr 73
- ADOLESCENCE/ ADULT/ *BONE NEOPLASMS, radiography/ CERVICAL VERTEBRAE, radiography/ CHILD/ CHILD, PRESCHOOL/ EXOPHTHALMOS, radiography/ FEMALE/ FEMUR, radiography/ HUMAN/ INFANT/ MALE/ MANDIBLE, radiography/ MIDDLE AGE/ PERIOSTEUM, radiography/ *RETICULOENDOTHELIOSIS, radiography/ SCLEROSIS, radiography/ SKULL, radiography
993. Entman ML, Snow TR, Freed D, et al: Analysis of calcium binding and release by canine cardiac relaxing system (sarcoplasmic reticulum). The use of specific inhibitors to construct a two-component model for calcium binding and transport. *J Biol Chem* 248:7762-72, 25 Nov 73
- ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ARSENIC, pharmacodynamics/ AZIDES, pharmacodynamics/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ COMPUTERS, DIGITAL/ DOGS/ ENDOPLASMIC RETICULUM, drug effects/ ENDOPLASMIC RETICULUM, enzymology/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM, administration & dosage/ MAGNESIUM, pharmacodynamics/ MODELS, CHEMICAL/ MYOCARDIUM, cytology/ MYOCARDIUM, drug effects/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ NUCLEOTIDES, pharmacodynamics/ OXALATES, pharmacodynamics/ PROTEIN BINDING/ *SARCOPLASMIC RETICULUM, metabolism/ STATISTICS
994. Entwistle N, Pratt AD: Studies of artefacts of the acid treatment of (23S)-lanosta-8,24-diene-3, 23-diol. *J Chem Soc [Perkin I]* 12:1235-9, 1973
- HYDROGEN-ION CONCENTRATION/ HYDROXYSTERIODS, chem synthesis/ *LANOSTEROL, chem synthesis
995. Erasmus DA: A comparative study of the reproductive system of mature, immature and "unlabeled" female *Schistosoma mansoni*. *Parasitology* 67:165-83, Oct 73
- AGE FACTORS/ CELL MEMBRANE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MICE, INBRED STRAINS/ OVARY, anatomy & histology/ OVIDUCTS, anatomy & histology/ OVUM, anatomy & histology/ REPRODUCTION/ SCHISTOSOMA MANSONI, anatomy & histology/ SCHISTOSOMA MANSONI, cytology/ *SCHISTOSOMA MANSONI, physiology/ SCHISTOSOMIASIS/ SEX FACTORS/ SNAILS/ UTERUS, anatomy & histology/ VITELLINE DUCTS, anatomy & histology
996. Erenberg A, Omori K, Oh W, et al: The effect of fetal thyroidectomy on thyroid hormone metabolism in maternal and fetal sheep. *Pediatr Res* 7:870-7, Nov 73
- ANIMAL EXPERIMENTS/ BODY WEIGHT/ CHROMATOGRAPHY, PAPER/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ IODINE RADIOISOTOPES/ KINETICS/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ SHEEP/ THYROID GLAND, physiology/ *THYROID HORMONES, metabolism/ *THYROIDECTOMY/ THYROTROPIN, blood/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, metabolism
997. Erffle JD: Acetyl-CoA and propionyl-CoA carboxylation by *Mycobacterium phiel*. Partial purification and some properties of the enzyme. *Biochim Biophys Acta* 316:143-55, 23 Aug 73
- ACETYL COA CARBOXYLASE, antagonists & inhibitors/ ACETYL COA CARBOXYLASE, isolation & purification/ ACETYL COA CARBOXYLASE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMMONIUM SULFATE/ CARBON RADIOISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COENZYME A, pharmacodynamics/ COMPARATIVE STUDY/ GEL FILTRATION/ KINETICS/ *LIGASES, isolation & purification/ MACROMOLECULAR SYSTEMS/ MYCOBACTERIUM, drug effects/ *MYCOBACTERIUM, enzymology/ OSMOLAR CONCENTRATION/ PALMITIC ACID, pharmacodynamics/ POLYSACCHARIDES/ PROPIONATES/ SULFATES, pharmacodynamics/ TIME FACTORS/ ULTRACENTRIFUGATION
998. Erkelens DW, Statius van Eps LW: Bartter's syndrome and erythrocytosis. *Am J Med* 55:711-9, Nov 73
- ADULT/ ALKALOSIS, complications/ ANGIOTENSIN, pharmacodynamics/ BLOOD CELL COUNT/ BLOOD PRESSURE/ CASE REPORT/ ERYTHROCYTES, metabolism/ ERYTHROPOIESIS/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ *HYPERALDOSTERONISM, complications/ HYPERPLASIA, complications/ HYPERTROPHY, complications/ HYPOKALEMIA, complications/ IRON, therapeutic use/ *JUXTAGLOMERULAR APPARATUS/ *KIDNEY DISEASES, complications/ MALE/ *POLYCYTHEMIA, complications/ POTASSIUM, metabolism/ POTASSIUM, therapeutic use/ RENIN, blood/ RETICULOCYTES/ SODIUM, metabolism/ SYNDROME
999. Erlinger S: The mechanisms of choleresis. *Helv Med Acta* 37:153-60, Sep 73
- ANIMAL EXPERIMENTS/ BILE, metabolism/ *BILE, secretion/ BILE ACIDS AND SALTS, metabolism/ BILE ACIDS AND SALTS, secretion/ BILE DUCTS, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ DOGS/ HYDROCORTISONE, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ RABBITS/ RATS/ SECRETIN, pharmacodynamics/ SECRETORY RATE, drug effects/ SODIUM, antagonists & inhibitors/ THEOPHYLLINE, pharmacodynamics/ WATER-ELECTROLYTE BALANCE
1000. Ermakova FB: O prolavleniakh immunomorfologicheskoi perestroiki organizma pri klistozno-zbelezistoi giperplazii endometrii. *Arkh Patol* 35:41-5, 1973 (Rus)
- ANIMAL EXPERIMENTS/ BONE MARROW, pathology/ ENDOMETRIAL HYPERPLASIA, chemically induced/ *ENDOMETRIAL HYPERPLASIA, pathology/ ENGLISH ABSTRACT/ ESTROGENS/ FEMALE/ HAMSTERS/ HEMOSIDEROSIS/ LIVER, pathology/ LYMPH NODES, pathology/ PLASMA CELLS/ SPLEEN, pathology/ TIME FACTORS
1001. Ermakova TM: Terapiia pri sistemnoi krasnoi voichanke u detei. *Pediatriia* 52:24-6, Jun 73 (Rus)
- ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ AMBULATORY CARE/ CHRONIC DISEASE/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ QUINOLINES, therapeutic use
1002. Ermans AM, Delange F, Van der Velden M, et al: Possible role of cyanide and thiocyanate in the etiology of endemic cretinism.

AUTHOR SECTION

- Adv Exp Med Biol 30:455-86, 1972 (89 ref.)
 ANIMAL EXPERIMENTS/ CASSAVA/
 *CRETINISM, chemically induced/ *CYANIDES,
 adverse effects/ CYANIDES, metabolism/
 CYANIDES, poisoning/ FEMALE/ FOOD/
 GLYCOSIDES, metabolism/ GLYCOSIDES,
 pharmacodynamics/ HUMAN/ IODINE,
 metabolism/ MAMMAE, metabolism/
 MATERNAL-FETAL EXCHANGE/ MILK/
 MODELS, BIOLOGICAL/ PREGNANCY/ RATS/
 REVIEW/ *THIOCYANATES, adverse effects/
 THIOCYANATES, metabolism/
 THIOCYANATES, pharmacodynamics/
 THYROID GLAND, drug effects/ THYROID
 GLAND, metabolism/ ZAIRE
1003. Erspamer GF, Negri L, Piccinelli D: The use of
 preparations of urinary bladder smooth muscle for
 bioassay of and discrimination between polypeptides.
 Naunyn Schmiedeberg Arch Pharmacol 279:61-74, 24
 Aug 73
 ACETYLCHOLINE, pharmacodynamics/
 ANIMAL EXPERIMENTS/ BIOLOGICAL
 ASSAY/ BLADDER, drug effects/
 BRADYKININ, pharmacodynamics/
 CAERULEIN, pharmacodynamics/ CATS/
 DOGS/ ELEDIOISIN, pharmacodynamics/
 FEMALE/ GUINEA PIGS/ HAMSTERS/
 HISTAMINE, pharmacodynamics/ IN VITRO/
 MACACA/ MALE/ MICE/ MONKEYS/
 *MUSCLE, SMOOTH, drug effects/ PEPTIDES,
 analysis/ *PEPTIDES, pharmacodynamics/
 PROTAGLANDINS, pharmacodynamics/
 RABBITS/ RATS/ SEROTONIN,
 pharmacodynamics/ URETER, drug effects
1004. Erwin DT, Donadio JV Jr, Holley KE: The clinical
 course of idiopathic membranous nephropathy.
 Mayo Clin Proc 48:697-712, Oct 73
 ADOLESCENCE/ ADULT/ AGED/ BASEMENT
 MEMBRANE/ BLOOD PRESSURE/
 CHOLESTEROL, blood/ FEMALE/
 FOLLOW-UP STUDIES/
 *GLOMERULONEPHRITIS/
 GLOMERULONEPHRITIS, diagnosis/
 GLOMERULONEPHRITIS, drug therapy/
 GLOMERULONEPHRITIS, pathology/ HUMAN/
 KIDNEY FAILURE, CHRONIC, etiology/
 KIDNEY GLOMERULUS, pathology/ MALE/
 MICROSCOPY, ELECTRON/ MICROSCOPY,
 FLUORESCENCE/ MIDDLE AGE/ NEPHROTIC
 SYNDROME, drug therapy/ NEPHROTIC
 SYNDROME, etiology/ PREDNISONE,
 administration & dosage/ PREDNISONE,
 therapeutic use/ PROTEINURIA,
 drug therapy/ PROTEINURIA, etiology/
 REMISSION
1005. Eşanu C, Klepsch I, Mitache L, et al: Sindromul
 hiperinsulinic cu diabet zaharat în evoluția obeșității
 umane. Stud Cercet Endocrinol 24:373-85, 1973 (Rum)
 ADULT/ BLOOD SUGAR, analysis/
 *DIABETES MELLITUS, complications/
 GLUCOSE TOLERANCE TEST/ HUMAN/
 HYDROCORTISONE, blood/
 *HYPERGLYCEMIA, complications/
 *HYPERINSULINISM, complications/ INSULIN,
 blood/ *OBESITY, complications
1006. Eşanu C, Klepsch I, Grigorescu A: Metoda
 radioimunologică rapidă de dozare a insulinemiei.
 Stud Cercet Endocrinol 24:435-45, 1973 (Rum)
 ACROMEGALY, blood/ ADULT/ *CUSHING'S
 SYNDROME, blood/ *ENDOCRINE DISEASES,
 blood/ FEMALE/ HUMAN/ *INSULIN, blood/
 MALE/ METHODS/ MIDDLE AGE/
 MYXEDEMA, blood/ OBESITY, blood/
 *RADIOIMMUNOASSAY
1007. Esch I, Placheta P, Gaul G, et al: Der Krankheitsverlauf
 der essentiellen Hypertonie bei verminderter
 Plasmareninaktivität.
 Wien Klin Wochenschr 85:617-21, 21 Sep 73 (Ger)
 CEREBROVASCULAR DISORDERS, etiology/
 ENGLISH ABSTRACT/ FEMALE/
 FUROSEMIDE, pharmacodynamics/ HUMAN/
 *HYPERTENSION, blood/ HYPERTENSION,
 complications/ HYPERTENSION, pathology/
 HYPERTENSION, physiopathology/ MALE/
 MIDDLE AGE/ MYOCARDIAL INFARCT,
 etiology/ POSTURE/ *RENIN, blood/ SODIUM,
 blood/ STIMULATION, CHEMICAL
1008. Escobar del Rey F, Sánchez Franco F, Ferreiro Aláez L:
 El bocio endémico de Las Hurdes. II. Parámetros que
 indican la existencia de una eficiencia de yodo.
 Rev Clin Esp 130:7-18, 15 Jun 73 (Spa)
 ADOLESCENCE/ CHILD/ ENGLISH
 ABSTRACT/ FEMALE/ *GOITER, occurrence/
 HUMAN/ *IODINE, analysis/ IODINE, urine/
 MALE/ SPAIN/ WATER, analysis
1009. Eshaghy B, Loeb HS, Miller SE, et al: Mediastinal and
 retropharyngeal hemorrhage. A complication of
 cardiac catheterization. JAMA 226:427-31, 22 Oct 73
 ADULT/ AGED/ BLOOD PRESSURE/ BLOOD
 TRANSFUSION/ CENTRAL VENOUS
 PRESSURE/ FEMALE/ GLUCOCORTICIDS,
 therapeutic use/ *HEART
 CATHETERIZATION, adverse effects/
 HEMORRHAGE, diagnosis/ *HEMORRHAGE,
 etiology/ HEMORRHAGE, radiography/
 HUMAN/ MALE/ *MEDIASTINAL DISEASES,
 etiology/ MEDIASTINAL DISEASES,
 radiography/ *MEDIASTINUM, blood supply/
 MEDIASTINUM, radiography/ MITRAL VALVE
 INSUFFICIENCY, diagnosis/ *NECK, blood
 supply/ PHARYNX, radiography/ SHOCK,
 HEMORRHAGIC, etiology/ *SHOCK,
 HEMORRHAGIC, therapy/ VITAMIN K,
 therapeutic use/ *WARFARIN, adverse effects
1010. Eshet R, Laron Z, Brown M, et al: Immunoreactive
 properties of the plasma hGH from patients with the
 syndrome of familial dwarfism and high plasma
 IR-hGH. J Clin Endocrinol Metab 37:819-21, Nov 73
 ACROMEGALY, blood/ ANTIGEN-ANTIBODY
 REACTIONS/ *DWARFISM, immunology/
 GUINEA PIGS, immunology/ HUMAN/
 INFANT, NEWBORN/ IODINE
 RADIOISOTOPES/ RADIOIMMUNOASSAY/
 *SOMATOTROPIN, blood
1011. (Eskin IA): Pamiat I.A. Eskina.
 Probl Endokrinol (Mosk) 19:123-4, Sep-Oct 73 (Rus)
 CURRENT BIOG-OBIT/ ENDOCRINOLOGY,
 history/ HISTORICAL ARTICLE/ HISTORY
 OF MEDICINE, 20TH CENT./ MOSCOW
1012. Esler MD, Nestel PJ: Essential hypertension with
 symptoms of hyperkinetic circulation.
 Med J Aust 2:253-7, 11 Aug 73
 ADULT/ *BLOOD CIRCULATION/ DIAGNOSIS,
 DIFFERENTIAL/ EPINEPHRINE, urine/
 HUMAN/ HYPERTENSION, blood/
 HYPERTENSION, diagnosis/ HYPERTENSION,
 etiology/ *HYPERTENSION, physiopathology/
 HYPERTENSION, urine/ NEUROSES,
 ANXIETY, complications/ NOREPINEPHRINE,
 urine/ PERSONALITY INVENTORY/
 PHEOCHROMOCYTOMA, diagnosis/ POSTURE/
 RENIN, blood/ SWEATING/ SYMPATHETIC
 NERVOUS SYSTEM, physiopathology/
 TACHYCARDIA, etiology
1013. Esler MD, Nestel PJ: Renin and sympathetic nervous
 system responsiveness to adrenergic stimuli in
 essential hypertension. Am J Cardiol 32:643-9, Oct 73
 ANIMAL EXPERIMENTS/ BLOOD PRESSURE/
 BLOOD SUGAR/ CATECHOLAMINES, blood/
 CREATININE, blood/ CREATININE, urine/
 EPINEPHRINE, urine/ HUMAN/
 *HYPERTENSION, physiopathology/
 HYPOGLYCEMIA, chemically induced/
 INSULIN, pharmacodynamics/
 NOREPINEPHRINE, urine/ POSTURE/ RATS/
 RENIN, blood/ *RENIN, secretion/ SODIUM,
 blood/ SODIUM, urine/ STRESS,
 PSYCHOLOGICAL, physiopathology/
 *SYMPATHETIC NERVOUS SYSTEM,
 physiopathology
1014. Estensen RD, Hill HR, Quie PG, et al: Cyclic GMP and
 cell movement. Nature 245:458-60, 26 Oct 73
 ACETYLCHOLINE, pharmacodynamics/
 ALCOHOLS, pharmacodynamics/ BROMINE/
 CARBACHOL, pharmacodynamics/
 *CHEMOTAXIS, drug effects/ DIBUTYRYL
 CYCLIC AMP, pharmacodynamics/
 *DITERPENES, pharmacodynamics/ FATTY

AUTHOR SECTION

- ACIDS, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ IMIDAZOLES, pharmacodynamics/ LEUKOCYTES, drug effects/ LEUKOCYTES, metabolism/ STIMULATION, CHEMICAL
1015. Etcheberry R, Becker P, Delmastro J, et al: Fibrosis alveolar pulmonar por Myleran (Busulfán). *Rev Med Chll* 101:42-6, Jan 73 (Spa)
ADULT/ *BUSULFAN, adverse effects/ BUSULFAN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDES, therapeutic use/ HUMAN/ *LEUKEMIA, MYELOCYTIC, drug therapy/ *PULMONARY FIBROSIS, chemically induced
1016. Etling N: Etude de la répartition de l'iode (125I et 127I) d'un tissu thyroïdien provenant d'une malade atteinte d'une thyroïdite de Hashimoto. *Ann Endocrinol (Paris)* 34:295-302, May-Jun 73 (Fre)
BETA GLOBULIN/ CHROMATOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGG/ IGM/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ *IODINE, analysis/ IODINE ISOTOPES/ IODINE RADIOISOTOPES/ IODOTYROSINE, analysis/ PROTEINS, analysis/ *THYROID GLAND, analysis/ THYROIDITIS, LYMPHOMATOUS, immunology/ *THYROIDITIS, LYMPHOMATOUS, metabolism/ THYROIDITIS, LYMPHOMATOUS, surgery
1017. Euler US von: The First Heymans Memorial Lecture, Ghent, March 24, 1972. Some aspects of the actions of prostaglandins. *Arch Int Pharmacodyn Ther Suppl*:295-307, Apr 73 (52 ref.)
ACTION POTENTIALS, drug effects/ ADIPOSE TISSUE, drug effects/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ BLOOD PRESSURE, drug effects/ BRAIN, drug effects/ CATS/ CHEMISTRY/ DOGS/ DRUG SYNERGISM/ FEMALE/ GASTROINTESTINAL MOTILITY, drug effects/ HEART, drug effects/ HUMAN/ LABOR, INDUCED/ NOREPINEPHRINE, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS/ *PROSTAGLANDINS, pharmacodynamics/ RESPIRATION, drug effects/ REVIEW/ SPLEEN, drug effects/ UTERUS, drug effects/ VAS DEFERENS, drug effects
1018. Eustace P: Hypercholesterolaemia in osteogenesis imperfecta. *Br J Clin Pract* 27:225-7, Jun 73
ADOLESCENCE/ ADULT/ CORNEA/ EYE MANIFESTATIONS/ FEMALE/ HUMAN/ *HYPERCHOLESTEREMIA, complications/ HYPERLIPIDEMIA, ESSENTIAL FAMILIAL, complications/ MALE/ MIDDLE AGE/ *OSTEOGENESIS IMPERFECTA, complications/ PEDIGREE
1019. Evans FG: Factors affecting the mechanical properties of bone. *Bull NY Acad Med* 49:751-64, Sep 73
ADULT/ AGE FACTORS/ AGED/ ANALYSIS OF VARIANCE/ *BONE AND BONES, physiology/ CAUCASIAN RACE/ ELASTICITY/ FEMALE/ FEMUR, physiology/ HARDNESS/ HUMAN/ MALE/ MIDDLE AGE/ NEGROID RACE/ SEX FACTORS/ STRESS, MECHANICAL
1020. Evans WH, Bergeron JJ, Geschwind H: Distribution of insulin receptor sites among liver plasma membrane subfractions. *FEBS Lett* 34:259-62, 15 Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE/ CELL MEMBRANE, analysis/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, ZONAL/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *INSULIN/ INSULIN, metabolism/ IODINE RADIOISOTOPES/ KINETICS/ *LIVER, analysis/ LIVER, cytology/ LIVER, metabolism/ MICE/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ SPECIES SPECIFICITY/ SUBCELLULAR FRACTIONS, analysis/ SWINE
1021. Everson RB, Hall TC, Wittliff JL: Treatment in vivo of R3230AC carcinoma of the rat with estradiol mustard (NSC-112259) of its molecular components. *Cancer Chemother Rep* 57:353-5, Sep-Oct 73
*ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, pathology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ *ESTRADIOL, therapeutic use/ FEMALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MUSTARD COMPOUNDS, therapeutic use/ NEOPLASM TRANSPLANTATION/ ORGAN WEIGHT/ OVARY, physiology/ RATS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ UTERUS, drug effects/ VALERATES, therapeutic use
1022. Eviatar L, Harris DR, Menkes JH: Diffuse sclerosis and Addison's disease: biochemical studies on gray matter, white matter, and myelin. *Biochem Med* 8:268-79, Oct 73
ADDISON'S DISEASE, familial & genetic/ *ADDISON'S DISEASE, metabolism/ *BRAIN CHEMISTRY/ CEREBROSIDES, metabolism/ CHILD/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTERS, metabolism/ FATTY ACIDS, metabolism/ FATTY ALCOHOLS, metabolism/ GLYCOLIPIDS, metabolism/ HUMAN/ LECITHINS, metabolism/ LIPIDS, metabolism/ MALE/ MYELIN SHEATH, metabolism/ PHOSPHOLIPIDS, metabolism/ PLASMALOGENS, metabolism/ SCLEROSIS, familial & genetic/ *SCLEROSIS, metabolism/ SULFATIDES, metabolism
1023. Eyraud JR: Letter: Terminology of hermaphroditism. *Obstet Gynecol* 42:794, Nov 73
*HERMAPHRODITISM/ HUMAN/ MALE/ *NOMENCLATURE/ PSEUDOHERMAPHRODITISM
1024. Ewert EG: Corticoidbedingte psycho-vegetative Störungen und deren Behandlung mit Siquan. *Ther Ggw* 112:1152-4 passim, Jul 73 (Ger)
*ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ *DOXEPIN, therapeutic use/ FEMALE/ HUMAN/ LONG TERM CARE/ MALE/ MIDDLE AGE/ PSYCHOSES, MANIC-DEPRESSIVE, chemically induced/ PSYCHOSES, TOXIC, drug therapy/ *PSYCHOSES, TOXIC, etiology/ SARCOIDOSIS, drug therapy/ SLEEP DISORDERS, chemically induced
1025. Ewing LL, Stratton LG, Desjardins C: Effect of testosterone polydimethyl-siloxane implants upon sperm production, libido and accessory sex organ function in rabbits. *J Reprod Fertil* 35:245-53, Nov 73
ANIMAL EXPERIMENTS/ BULBOURETHRAL GLANDS/ CITRATES, analysis/ EJACULATION, drug effects/ FRUCTOSE, analysis/ *GENITALIA, MALE, drug effects/ LH, blood/ *LIBIDO, drug effects/ MALE/ ORGAN WEIGHT/ PROSTATE/ RABBITS/ RADIOIMMUNOASSAY/ SEMEN, analysis/ SEMINAL VESICLES/ *SILICONE ELASTOMERS/ *SPERMATOGENESIS, drug effects/ TESTIS/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood
1026. Exley D, Moore B: Rapid radioimmunoassay of oestradiol-17 beta using computer calculation. *J Steroid Biochem* 4:257-70, May 73
BINDING SITES, ANTIBODY/ COMPARATIVE STUDY/ COMPUTERS, DIGITAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, blood/ EVALUATION STUDIES/ IMMUNE SERUMS/ MATHEMATICS/ METHODS/ POLYSTYRENES/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM

AUTHOR SECTION

F

1027. **Faglia G, Beck-Peccoz P, Ferrari C, et al:** Plasma thyrotropin response to thyrotropin-releasing hormone in patients with pituitary and hypothalamic disorders. *J Clin Endocrinol Metab* 37:595-601, Oct 73
*ACROMEGALY, blood/ ADOLESCENCE/
ADULT/ AGED/ CHILD/
CRANIOPHARYNGIOMA, blood/ DIABETES
INSIPIDUS, blood/ FEMALE/ HUMAN/
*HYPOPIUITARISM, blood/ MALE/ MIDDLE
AGE/ NEOPLASM METASTASIS/ *PITUITARY
NEOPLASMS, blood/ SHEEHAN'S SYNDROME,
blood/ *THYROTROPIN, secretion/
*THYROTROPIN RELEASING HORMONE,
diagnostic use/ TIME FACTORS
1028. **Fahmy OG, Fahmy MJ:** Oxidative activation of benz(a)anthracene and methylated derivatives in mutagenesis and carcinogenesis.
Cancer Res 33:2354-61, Oct 73
ANIMAL EXPERIMENTS/
*BENZANTHRACENES, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
DROSOPHILA MELANOGASTER/ ETHERS,
CYCLIC/ *GENES, STRUCTURAL, drug
effects/ METHYLATION/
*METHYLCHOLANTHRENE,
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NEOPLASMS, EXPERIMENTAL, chemically
induced/ OXIDATION-REDUCTION/ RNA,
RIBOSOMAL/ SEX CHROMOSOMES, drug
effects/ *SKIN NEOPLASMS, chemically
induced/ SPERMATOOZOA, cytology
1029. **Fähræus B, Andersson L, Bergdahl L, et al:** Postoperative hypoparathyroidism. Hazards from vitamin D therapy. *Acta Chir Scand* 139:437-41, 1973
ADENOMA, therapy/ ADULT/ AGED/
CALCIUM, blood/ CALCIUM, therapeutic use/
CALCIUM, urine/ CARCINOMA, PAPILLARY,
therapy/ CREATININE, blood/
ERGOCALCIFEROL, administration & dosage/
*ERGOCALCIFEROL, adverse effects/
FEMALE/ HUMAN/ *HYPERCALCEMIA,
chemically induced/ *HYPOPARATHYROIDISM,
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therapy/ POSTOPERATIVE COMPLICATIONS/
STIMULATION, CHEMICAL/ THYROID
NEOPLASMS, therapy/ THYROIDECTOMY/
VEHICLES
1030. **Fairman C:** Letter: Venous testosterone levels.
Lancet 2:861, 13 Oct 73
FEMALE/ HUMAN/ MALE/ PUBERTY/
*TESTOSTERONE, blood/ *VIRILISM
1031. **Faifishevskii VA:** Elektrofiziologicheskoe izuchenie funktsional'nykh osobe-nostef adaptatsionno-orisposobitel'noy sistemy pri shizofrenii.
Zh Nevropatol Psikiatr 73:83-91, 1973 (Rus)
*ADRENAL GLANDS, physiopathology/
ADULT/ *BRAIN, physiopathology/
ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ *EVOKED POTENTIALS/
HUMAN/ *11-HYDROXYCORTICOSTEROIDS,
blood/ MALE/ OCCIPITAL LOBE,
physiopathology/ SCHIZOPHRENIA, blood/
SCHIZOPHRENIA, complications/
*SCHIZOPHRENIA, physiopathology
1032. **Falk R:** Induced discontinuous lesions in the X-chromosome of *Drosophila*.
Mutat Res 20:287-90, Nov 73
ALLELES/ ANIMAL EXPERIMENTS/
*CHROMOSOME ABERRATIONS/
CHROMOSOME MAPPING/ CROSSES,
GENETIC/ *DROSOPHILA MELANOGASTER,
radiation effects/ FEMALE/ *GENES,
LETHAL/ MALE/ METHANESULFONATES,
pharmacodynamics/ *RADIATION GENETICS/
SEX CHROMOSOMES, drug effects/ *SEX
CHROMOSOMES, radiation effects
1033. **Falk SA:** Letter: Environmental noise.
Am J Public Health 63:833-6, Oct 73
ACOUSTIC STIMULATION/ ADAPTATION,
PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/
AROUSAL/ CATS/ COMPARATIVE STUDY/
CONVULSIONS, etiology/ ENVIRONMENTAL
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GUINEA PIGS/ HUMAN/ LEARNING/ MICE/
*NOISE/ PITUITARY-ADRENAL SYSTEM/
RABBITS/ RATS/ RESEARCH/ SLEEP
DEPRIVATION/ SPECIES SPECIFICITY/
STRESS, etiology/ STRESS, PSYCHOLOGICAL
1034. **Falvo KA, Klain DB, Krauss AN, et al:** Pulmonary function studies in osteogenesis imperfecta.
Am Rev Respir Dis 108:1258-60, Nov 73
ADOLESCENCE/ ADULT/ CARBON DIOXIDE,
blood/ CHILD/ CHILD, PRESCHOOL/
FEMALE/ HUMAN/ KYPHOSIS, etiology/
KYPHOSIS, physiopathology/ MALE/
*OSTEOGENESIS IMPERFECTA,
physiopathology/ OXYGEN, blood/
*RESPIRATION/ RESPIRATORY FUNCTION
TESTS/ SCOLIOSIS, etiology/ SCOLIOSIS,
physiopathology/ SPIROMETRY
1035. **Fan K, Fisher KM, Edlin G:** Effect of amino acid and serum deprivation on the regulation of RNA synthesis in cultured Chinese hamster ovary cells.
Exp Cell Res 82:111-8, Nov 73
AMINO ACIDS, metabolism/ *BLOOD
PROTEINS, metabolism/ CARBON
RADIOISOTOPES/ CATTLE/ CELL LINE/
CELL NUCLEUS, metabolism/ CELLS,
CULTURED/ CENTRIFUGATION, ZONAL/
CULTURE MEDIA/ CYCLOHEXIMIDE,
pharmacodynamics/ CYTOPLASM, metabolism/
ELECTROPHORESIS/ FEMALE/ HAMSTERS/
IMMUNOELECTROPHORESIS/ *OVARY,
cytology/ *OVARY, metabolism/
PRECIPITATION/ *PROLINE, metabolism/
PROTEINS, biosynthesis/ *RNA, biosynthesis/
THYMIDINE, metabolism/ TRITIUM/
URIDINE, metabolism
1036. **Fanburg BL:** Prostaglandins and the lung.
Am Rev Respir Dis 108:482-9, Sep 73 (51 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ANIMAL EXPERIMENTS/
CALCIUM, metabolism/ CELL MEMBRANE,
metabolism/ CHEMISTRY/ HUMAN/ IN
VITRO/ LUNG, drug effects/ LUNG,
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physiology/ LUNG, secretion/ MUSCLE
CONTRACTION/ MUSCLE, SMOOTH, drug
effects/ MUSCLE, SMOOTH, physiology/
PROSTAGLANDINS/ PROSTAGLANDINS,
biosynthesis/ PROSTAGLANDINS, metabolism/
PROSTAGLANDINS, pharmacodynamics/
*PROSTAGLANDINS, physiology/
PULMONARY CIRCULATION/ RESPIRATORY
AIRFLOW, drug effects/ REVIEW
1037. **Fancher OE, Kennedy GL Jr, Plank JB, et al:** Toxicology of a butylene glycol adipic acid polyester.
Toxicol Appl Pharmacol 26:58-62, Sep 73
ABNORMALITIES, DRUG-INDUCED, pathology/
ADIPIC ACID, blood/ ADIPIC ACID, toxicity/
ANALYSIS OF VARIANCE/ ANIMAL
EXPERIMENTS/ BEHAVIOR, ANIMAL, drug
effects/ BODY WEIGHT, drug effects/
BREEDING/ DIET/ DOGS/ ESTERS, blood/
ESTERS, toxicity/ FEMALE/ GLYCOLS,
blood/ *GLYCOLS, toxicity/ LACTATION,
drug effects/ MALE/ POLYMERS, blood/
*POLYMERS, toxicity/ PREGNANCY/ RATS/
REPRODUCTION, drug effects
1038. **Fankhauser S:** Editorial: Schilddrüsenkrankungen.
Ther Umsch 30:685-6, Oct 73 (Ger)
HUMAN/ *THYROID DISEASES
1039. **Fanta H:** Gefäßveränderungen im Augenhintergrund, verursacht durch Kontrazeptiva.
Klin Monatsbl Augenheilkd 163:13-7, Jul 73 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, adverse
effects/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ RETINAL DISEASES, chemically
induced/ RETINAL VEIN/ *RETINAL
VESSELS/ *VASCULAR DISEASES, chemically
induced
1040. **Farber DB, Lolley RN:** Proteins in the degenerative retina of C3H mice: deficiency of a cyclic-nucleotide

AUTHOR SECTION

phosphodiesterase and opsin.

J Neurochem 21:817-28, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ANIMAL EXPERIMENTS/ COLCHICINE,
metabolism/ ELECTROPHORESIS, DISC/ *EYE
PROTEINS, metabolism/
HISTOCYTOCHEMISTRY/ MICE/ MICE,
INBRED C3H/ MICE, INBRED DBA/
MICROTUBULES, metabolism/ MOLECULAR
WEIGHT/ *PHOSPHODIESTERASES,
metabolism/ PROTEIN BINDING/ RANA
PIPIENS/ RETINA, cytology/ RETINA,
enzymology/ RETINA, growth & development/
RETINA, metabolism/ RETINAL
DEGENERATION, enzymology/ RETINAL
DEGENERATION, familial & genetic/
*RETINAL DEGENERATION, metabolism/
RETINAL DEGENERATION, pathology/
SODIUM DODECYL SULFATE/ TRITIUM/
VINBLASTINE

1041. Farid NR, Munro RE, Row VV, et al: Rosette inhibition
test for the demonstration of thymus-dependent
lymphocyte sensitization in Grave's disease and
Hashimoto's thyroiditis.

N Engl J Med 289:1111-7, 22 Nov 73
ADOLESCENCE/ ADULT/ ANTILYMPHOCYTE
SERUM/ GOITER, EXOPHTHALMIC, blood/
GOITER, EXOPHTHALMIC, drug therapy/
*GOITER, EXOPHTHALMIC, immunology/
GOITER, EXOPHTHALMIC, radiotherapy/
HUMAN/ *IMMUNE ADHERENCE REACTION/
IODINE RADIOISOTOPES, therapeutic use/
LEUKOCYTE COUNT/ LONG-ACTING
THYROID STIMULATOR/ MIDDLE AGE/
MIGRATION INHIBITORY FACTOR, analysis/
OCULOMOTOR MUSCLES, immunology/
REMISSION/ SERUM GLOBULINS/ THYROID
ANTAGONISTS, therapeutic use/ THYROID
GLAND, immunology/ THYROIDITIS,
LYMPHOMATOUS, blood/ *THYROIDITIS,
LYMPHOMATOUS, immunology

1042. Farivar A, Javadvpour N, Montiel M: Bilateral
successive testicular cancer of different cell type.
Urology 2:458-9, 4 Oct 73

*DISGERMINOMA, pathology/
DISGERMINOMA, radiotherapy/
DISGERMINOMA, surgery/ HUMAN/ LYMPH
NODE EXCISION/ MALE/ MIDDLE AGE/
NEOPLASMS, MULTIPLE PRIMARY,
radiotherapy/ NEOPLASMS, MULTIPLE
PRIMARY, surgery/ *TERATOID TUMOR,
pathology/ TERATOID TUMOR, radiotherapy/
TERATOID TUMOR, surgery/ *TESTICULAR
NEOPLASMS, pathology/ TESTICULAR
NEOPLASMS, radiotherapy/ TESTICULAR
NEOPLASMS, surgery/ TIME FACTORS

1043. Farr HW, Fahey TJ Jr, Nash AG, et al: Primary
hyperparathyroidism and cancer.

Am J Surg 128:539-43, Oct 73
*ADENOMA, complications/ ADENOMA,
diagnosis/ ADENOMA, surgery/ ADULT/
AGED/ *CARCINOMA, complications/
CARCINOMA, diagnosis/ CARCINOMA,
surgery/ DIAGNOSIS, DIFFERENTIAL/
FEMALE/ HUMAN/ HYPERCALCEMIA,
etiology/ *HYPERPARATHYROIDISM,
complications/ HYPERPARATHYROIDISM,
diagnosis/ MALE/ MIDDLE AGE/ NEOPLASM
METASTASIS/ PARATHYROID DISEASES,
surgery/ PARATHYROID HORMONE, blood/
*PARATHYROID NEOPLASMS/
PARATHYROID NEOPLASMS, diagnosis

1044. Farrell CA, De Toma FJ: Increased capacity for RNA
synthesis in Dictyostellium discoideum nuclei induced
by exposure to cyclic AMP or 5'-AMP.

Biochem Biophys Res Commun 54:1504-10, 15 Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
*ADENOSINE MONOPHOSPHATE,
pharmacodynamics/ CARBON
RADIOISOTOPES/ *CELL NUCLEUS,
metabolism/ RIBONUCLEASE, metabolism/
*RNA, biosynthesis/ *SARCODINA,
metabolism/ TIME FACTORS/ URIDINE,
metabolism

1045. Farskà I, Sikora J, Krulik R: The effect of psychotropic
drugs on phosphodiesterase cAMP, ATPase and on
5'nucleotidase.

Act Nerv Super (Praha) 15:124-5, May 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE/ ADENOSINE
TRIPHOSPHATASE, metabolism/
*AMITRIPTYLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ *BRAIN,
enzymology/ *CHLORDIAZEPOXIDE,
pharmacodynamics/ *CHLORPROMAZINE,
pharmacodynamics/ *IMIPRAMINE,
pharmacodynamics/ IN VITRO/
NUCLEOTIDASES, metabolism/
PHOSPHODIESTERASES, metabolism/ RATS

1046. Fasolo A, Franzoni M, Mazzi V: The neurohypophysis of
the crested newt. 3. Fine structure of the median
eminence.

Z Zellforsch Mikrosk Anat 141:203-21, 31 Jul 73
ALDEHYDES/ ANIMAL EXPERIMENTS/
AXONS/ CAPILLARIES, cytology/ CELL
NUCLEUS/ CELLULAR INCLUSIONS/
CYTOPLASMIC GRANULES/ EPENDYMA,
cytology/ FEMALE/ MALE/ MICROSCOPY/
MICROSCOPY, ELECTRON/ MICROTUBULES/
*PITUITARY GLAND, POSTERIOR, cytology/
*TRITURUS, anatomy & histology

1047. Fateh-Moghadam A: Therapie des Plasmozytoms.
Munch Med Wochenschr 115:861-4, 4 May 73 (Ger)

ADRENAL CORTEX HORMONES,
administration & dosage/ ADRENAL CORTEX
HORMONES, therapeutic use/ ALKYLATING
AGENTS, administration & dosage/
ALKYLATING AGENTS, therapeutic use/
ANABOLIC STEROIDS, administration &
dosage/ ANABOLIC STEROIDS, therapeutic
use/ CYCLOPHOSPHAMIDE, therapeutic use/
ENGLISH ABSTRACT/ HUMAN/
MELPHALAN, therapeutic use/
*PLASMACYTOMA, drug therapy/
PLASMACYTOMA, radiotherapy/
PLASMACYTOMA, surgery

1048. Fath PA, Kako KJ: Glycolytic and tricarboxylic acid
cycle intermediates during cardiac arrest and
recovery in eu-, hyper- and hypothyroid rats.

J Mol Cell Cardiol 5:359-73, Aug 73
ADENINE NUCLEOTIDES, metabolism/
ANIMAL EXPERIMENTS/ CITRATES,
metabolism/ FLUOROMETRY/ GLYCOLYSIS/
*HEART ARREST, metabolism/
*HYPERTHYROIDISM, metabolism/
*HYPOTHYROIDISM, metabolism/
ISOCITRATES, metabolism/ KREBS CYCLE/
MALE/ *MYOCARDIUM, metabolism/ NAD,
metabolism/ PHOSPHOCREATINE, metabolism/
PHOSPHOFRUCTOKINASE, metabolism/
RATS/ TIME FACTORS

1049. Faul P: Prostata-Zytologie. Klinische Bedeutung,
diagnostische Möglichkeiten.

Fortschr Med 91:1217, 8 Nov 73 (Ger)
BIOPSY, NEEDLE/ ESTROGENS, therapeutic
use/ FOLLOW-UP STUDIES/ HUMAN/ MALE/
PROSTATIC NEOPLASMS, drug therapy/
*PROSTATIC NEOPLASMS, pathology

1050. Favino A, Maugeri U, Kauchtschischvili G, et al:
Radioimmunoassay measurements of serum cortisol,
thyroxine, growth hormone and luteinizing hormone
with simultaneous electroencephalographic changes
during continuous noise in man.

J Nucl Biol Med 17:119-22, Jul-Sep 73
ADULT/ ALPHA RHYTHM/
*ELECTROENCEPHALOGRAPHY/ HUMAN/
*HYDROCORTISONE, blood/ *LH, blood/
MALE/ *NOISE/ RADIOIMMUNOASSAY/
*SOMATOTROPIN, blood/ *THYROXINE, blood

1051. Fayet G, Verrier B, Giraud A, et al: Effects of
long-acting thyroid stimulator on the reorganization
into follicles of isolated thyroid cells and on the
binding of radiolabeled thyrotropin to reassociated
cells. FEBS Lett 32:299-302, 1 Jun 73

BINDING SITES/ CELL AGGREGATION, drug
effects/ CELLS, CULTURED/ DIBUTYRYL
CYCLIC AMP, pharmacodynamics/ GOITER,
EXOPHTHALMIC, blood/ GOITER,

AUTHOR SECTION

- EXOPHTHALMIC, metabolism/ HUMAN/
IODINE/ KINETICS/ *LONG-ACTING
THYROID STIMULATOR, pharmacodynamics/
PROTEIN BINDING/ RADIOISOTOPES/
SWINE/ THYROID DISEASES, blood/
THYROID DISEASES, metabolism/ THYROID
GLAND, cytology/ THYROID GLAND, drug
effects/ *THYROID GLAND, metabolism/
*THYROTROPIN, metabolism/ THYROTROPIN,
pharmacodynamics
1052. Fedotov VP, Miroshnichenko LD, Kolomin LV:
Sostoiannie perifericheskikh endokrinnykh zhelez
cherez shest' mesiatsev posle gipofizektomii i ikh
chuvstvitel'nost' k tropnym gormonom gipofiza.
Probl Endocrinol (Mosk) 19:59-63, Sep-Oct 73 (Rus)
ANIMAL EXPERIMENTS/ *CORTICOTROPIN,
pharmacodynamics/ *ENDOCRINE GLANDS,
drug effects/ *GONADOTROPINS,
pharmacodynamics/ *HYPOPHYSECTOMY/
MALE/ RATS/ *SOMATOTROPIN,
pharmacodynamics/ *THYROTROPIN,
pharmacodynamics/ TIME FACTORS
1053. Fehm HL, Volgt KH, Lang R, et al: Influence of plasma
on ACTH stimulated corticosterone production of
isolated adrenal cells. FEBS Lett 36:109-12, 1 Oct 73
ADRENAL GLANDS, cytology/ *ADRENAL
GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ *BLOOD/ CELLS,
CULTURED/ *CORTICOSTERONE,
biosynthesis/ *CORTICOTROPIN,
pharmacodynamics/ FEMALE/
HYPOPHYSECTOMY/ IODINE
RADIOISOTOPES/ PITUITARY GLAND,
physiology/ PROTEIN BINDING/ RATS/
RECEPTORS, HORMONE
1054. Fehr PM, Sauvant D, Delage J: Effets isolés et combinés
des acides acétique, propionique, laurique et
stéarique sur la sécrétion lipidique de la mamelle de
chèvre.
Ann Biol Anim Biochim Biophys 12:289-306, 1972 (Fre)
ACETIC ACIDS, metabolism/ ACETIC ACIDS,
pharmacodynamics/ ANIMAL EXPERIMENTS/
ANIMAL NUTRITION/ DIET/ ENGLISH
ABSTRACT/ *FATS, secretion/ *FATTY
ACIDS, pharmacodynamics/ FEMALE/ GOATS/
LACTATION/ *LIPIDS, metabolism/ MILK,
drug effects/ MILK, metabolism/ *MILK,
secretion/ MILK PROTEINS, metabolism/
PROPIONATES, metabolism/ PROPIONATES,
pharmacodynamics/ SODIUM,
pharmacodynamics/ STEARIC ACID,
metabolism/ STEARIC ACID,
pharmacodynamics/ STRUCTURE-ACTIVITY
RELATIONSHIP/ UDDER, drug effects/
UDDER, metabolism/ *UDDER, secretion
1055. Feinberg A: Propoxyphene hydrochloride (Darvon) a
report of two cases.
Clin Pediatr (Phila) 12:402-4, Jul 73
BICARBONATES, therapeutic use/ BODY
WEIGHT/ CHARCOAL, therapeutic use/
DEXAMETHASONE, therapeutic use/ DRUG
CONTAINERS AND CLOSURES/ FEMALE/
HEMODIALYSIS/ HUMAN/ INFANT/
INTUBATION, INTRATRACHEAL/
LEVALLORPHAN, therapeutic use/
MANNITOL, therapeutic use/ NARCOTIC
ANTAGONISTS, administration & dosage/
PERITONEAL DIALYSIS/ POISONING,
diagnosis/ POISONING, drug therapy/
POISONING, therapy/ PROPOXYPHENE,
blood/ *PROPOXYPHENE, poisoning/
RESUSCITATION/ TIME FACTORS
1056. Fekete B, Szegedi G, Gergely P, et al: Inhibition of
immunospecific rosette formation for the study of
two prednisolone derivatives.
Acta Med Acad Sci Hung 29:327-30, 1973
ANIMAL EXPERIMENTS/ ANTIGENS/ CELLS,
CULTURED/ ERYTHROCYTES, immunology/
*IMMUNE ADHERENCE REACTION/
*IMMUNOSUPPRESSION/ LYMPHOCYTES,
immunology/ MICE/ MICE, INBRED AKR/
PIPERAZINES, pharmacodynamics/
*PREDNISOLONE, pharmacodynamics/ SHEEP,
immunology/ SPLEEN, cytology/ SUCCINATES,
pharmacodynamics
1057. Feldman S, Conforti N, Chowers I: Effect of
dexamethasone on adrenocortical responses in intact
and hypothalamic deafferented rats.
Acta Endocrinol (Kbb) 73:660-4, Aug 73
ANIMAL EXPERIMENTS/ AUTONOMIC
NERVE BLOCK/ *CORTICOSTERONE, blood/
DEPRESSION, CHEMICAL/
DEXAMETHASONE, administration & dosage/
*DEXAMETHASONE, pharmacodynamics/
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FEEDBACK/ HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, physiology/ MALE/
NEURONS, AFFERENT/ RATS/
STIMULATION, CHEMICAL
1058. Fell BF: Adaptations of the digestive tract during
reproduction in the mammal.
World Rev Nutr Diet 14:180-256, 1972 (388 ref.)
ADRENAL CORTEX HORMONES, physiology/
ANIMAL EXPERIMENTS/ BASAL
METABOLISM/ BLOOD PROTEINS/ CELL
DIVISION/ CHICKENS/ DIET/ *DIETARY
PROTEINS/ *DIGESTIVE SYSTEM, physiology/
FEMALE/ FETUS, growth & development/
HUMAN/ LACTATION/ LIVER, metabolism/
MALE/ METHIONINE, metabolism/
NITROGEN, urine/ ORGAN WEIGHT/
PITUITARY HORMONES, physiology/
*PREGNANCY/ REVIEW/ RNA, metabolism/
SEX HORMONES, physiology/ SHEEP/
SULFUR RADIOISOTOPES/ THYROID GLAND,
physiology
1059. Fellingner K: Neuere Behandlungsmethoden in der
Rheumatologie.
Wien Med Wochenschr 123:609-14, 20 Oct 73 (Ger)
ANALGESICS AND ANTIPIRETTICS,
therapeutic use/ ANTILYMPHOCYTE SERUM,
therapeutic use/ DRUG COMBINATIONS/
GOLD, administration & dosage/ GOLD,
adverse effects/ GOLD, therapeutic use/
GOLD COLLOID, RADIOACTIVE,
administration & dosage/ HUMAN/
IMMUNOSUPPRESSIVE AGENTS, therapeutic
use/ JOINTS/ PENICILLAMINE, therapeutic
use/ PREDNISOLONE, therapeutic use/
REVIEW/ RHEUMATISM, drug therapy/
RHEUMATISM, surgery/ *RHEUMATISM,
therapy
1060. Fellner R, Simon A: Klinische Erfahrungen mit einem
neuen Vasotherapeutikum bei Erkrankungen des
Augenhintergrundes.
Klin Monatsbl Augenheilkd 162:811-7, Jun 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ AGED/ ARTERIAL OCCLUSIVE
DISEASES, drug therapy/ ASCORBIC ACID,
therapeutic use/ CEREBROVASCULAR
DISORDERS, drug therapy/ CHILD/
CHORIORETINITIS, drug therapy/ EDEMA,
drug therapy/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ KETONES, therapeutic
use/ MALE/ MIDDLE AGE/ RETINAL
ARTERY/ RETINAL DEGENERATION, drug
therapy/ *RETINAL DISEASES, drug therapy/
*RETINAL VESSELS/ RUTIN,
therapeutic use/ VITAMIN B COMPLEX,
therapeutic use/ *XANTHINES, therapeutic
use
1061. Felsenfeld H, Corrado LA: Nicotine and
pyrrolidine-induced release of 5-hydroxytryptamine
and histamine from neoplastic mast cells.
Biochem Pharmacol 22:2381-90, 1 Oct 73
ANIMAL EXPERIMENTS/ *CELL
TRANSFORMATION, NEOPLASTIC, drug
effects/ CELLS, CULTURED/ COMPOUND
48-80, pharmacodynamics/ FEMALE/
*HISTAMINE LIBERATION, drug effects/
HYDROGEN-ION CONCENTRATION/ *MAST
CELLS, drug effects/ MICE/ *NICOTINE,
pharmacodynamics/ PERITONEUM, metabolism/
PYRIDINES, pharmacodynamics/
*PYRROLIDINES, pharmacodynamics/
PYRROLIDINONES, pharmacodynamics/
*SEROTONIN, metabolism/ SPECTROMETRY,
FLUORESCENCE/ TIME FACTORS
1062. Feit V: Vliv vysokotukové diety a stárnutí na depozici
tukovou tkáň a štítnou žlázu.

AUTHOR SECTION

- Cesk Gastroenterol Vyz 27:371-4, Sep 73 (Cze)
*ADIPOSE TISSUE, metabolism/ AGE
FACTORS/ ANIMAL EXPERIMENTS/ BODY
WEIGHT/ *DIETARY FATS, metabolism/
ENGLISH ABSTRACT/ FATTY ACIDS,
NONESTERIFIED, metabolism/ FEMALE/
HEART/ MALE/ ORGAN WEIGHT/ OXYGEN
CONSUMPTION/ RATS/ THYROID GLAND/
*THYROID GLAND, metabolism
063. Fényes G: Adatok a pajzsmirigy adenomák
diagnosztikájához. Orv Hetil 49:2966-7, 9 Dec 73 (Hun)
*ADENOMA, diagnosis/ BIOPSY/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/
*HYPERTHYROIDISM, diagnosis/
PROTEIN-BOUND IODINE TEST/
RADIOISOTOPE SCANNING/ THYROID
HORMONES, administration & dosage/
*THYROID NEOPLASMS, diagnosis
064. Ferguson DR, Price RH: The production of cIMP by
toad bladder, and its effects on transport of water and
salt. FEBS Lett 34:207-12, 15 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
biosynthesis/ ANIMAL EXPERIMENTS/
BINDING SITES/ BIOLOGICAL TRANSPORT/
BLADDER, drug effects/ *BLADDER,
metabolism/ *BODY WATER, metabolism/
BUFO MARINUS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, PAPER/ COMPARATIVE
STUDY/ *INOSINE NUCLEOTIDES,
biosynthesis/ INOSINE NUCLEOTIDES,
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biosynthesis/ NUCLEOTIDES, CYCLIC,
pharmacodynamics/ OSMOSIS/ OXYTOCIN,
pharmacodynamics/ PERMEABILITY/
RECEPTORS, DRUG/ *SODIUM, metabolism/
TIME FACTORS/ TRITIUM
065. Ferguson DR, Price RH: Studies on the metabolism of
cyclic nucleotides by the toad bladder: the metabolic
products of cAMP. FEBS Lett 34:204-6, 15 Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ BLADDER, cytology/
*BLADDER, metabolism/ BUFO MARINUS/
CARBON RADIOISOTOPES/ CELL
FRACTIONATION/ CHROMATOGRAPHY,
PAPER/ ELECTROPHORESIS, PAPER/
INOSINE NUCLEOTIDES, biosynthesis/
NUCLEOTIDES, CYCLIC, biosynthesis/
SUBCELLULAR FRACTIONS, metabolism/
TRITIUM/ ULTRACENTRIFUGATION
066. Ferguson J, Scothorne RJ, Johnston ID: Proceedings:
the survival of transplanted isolated pancreatic islets
in the omentum and testis. Br J Surg 60:907, Nov 73
ANIMAL EXPERIMENTS/ GRAFT
REJECTION/ GUINEA PIGS/ *ISLANDS OF
LANGERHANS, transplantation/ MALE/
*OMENTUM/ *TESTIS/ TRANSPLANTATION,
AUTOLOGOUS/ TRANSPLANTATION
IMMUNOLOGY
067. Ferguson-Smith MA, Page BM: Pachytene analysis in a
human reciprocal (10;11) translocation.
J Oral Surg 10:282-7, Sep 73
BIOPSY/ CELLS, CULTURED/ CHILD/
*CHROMOSOME ABERRATIONS/
*CHROMOSOMES, HUMAN, 6-12/ FEMALE/
HUMAN/ KARYOTYPING/ LYMPHOCYTES/
MALE/ *MEIOSIS/ MENTAL RETARDATION,
familial & genetic/ MITOSIS/
*SPERMATOGENESIS/ *TESTIS, cytology
068. Fernandes G, Yunis EJ, Yunis EJ, et al: Reproductive
deficiency of NZB male mice. Possibility of a viral
basis. Lab Invest 29:278-81, Sep 73
ANIMAL EXPERIMENTS/ AUTOANTIBODIES/
BREEDING/ CROSSES, GENETIC/
CYTOPLASM, microbiology/ *EPIDIDYMIS,
microbiology/ EPIDIDYMIS, pathology/
EPITHELIAL CELLS/ FEMALE/ FERTILITY/
IMMUNITY/ *INCLUSION BODIES, VIRAL/
MALE/ MICE/ *MICE, INBRED NZB/ MICE,
INBRED STRAINS/ MICROSCOPY,
ELECTRON/ PREGNANCY/ *REPRODUCTION/
SEMEN, microbiology/ SPERMATOZOA,
microbiology/ *TESTIS, microbiology
1069. Fernández-Cruz A, Charro Salgado A: Exploración
funcional del eje CRF-ACT.
Rev Iber Endocrinol 20:247-363, Jul-Aug 73 (Spa)
ADRENAL GLAND DISEASES, diagnosis/
ADRENAL GLAND DISEASES,
physiopathology/ *ADRENAL GLANDS,
physiology/ AGE FACTORS/ CIRCADIAN
RHYTHM/ *CORTICOTROPIN RELEASING
HORMONE, physiology/ ENGLISH ABSTRACT/
FEEDBACK/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM/
*HYPOTHALAMUS, physiology/ PITUITARY
DISEASES, diagnosis/ PITUITARY DISEASES,
physiopathology/ PITUITARY GLAND
FUNCTION TESTS/ STRESS,
PSYCHOLOGICAL, physiopathology/ TIME
FACTORS
1070. Ferraz AR, Toledo AC, Corioiano MR, et al: Conduta
diagnóstica e terapêutica nos nódulos tireoidianos.
Rev Assoc Med Bras 19:179-84, May 73 (Por)
ENGLISH ABSTRACT/ *GOITER, NODULAR/
*GOITER, NODULAR, diagnosis/ *GOITER,
NODULAR, surgery/ HUMAN/ RADIOISOTOPE
SCANNING/ THYROIDECTOMY
1071. Ferreira AL, Rossi MA: Pathology of the testis and
epididymis in the late phase of experimental Chagas's
disease. Am J Trop Med Hyg 22:699-704, Nov 73
ANIMAL EXPERIMENTS/ ATROPHY/
*EPIDIDYMIS, pathology/ GANGLIA,
AUTONOMIC, pathology/ GUINEA PIGS/
INJECTIONS, INTRAPERITONEAL/ MALE/
NEURONS, pathology/ SPERMATOGENESIS/
*TESTIS, pathology/ TRYPANOSOMA CRUZI,
pathogenicity/ *TRYPANOSOMIASIS, SOUTH
AMERICAN, pathology
1072. Fessler LI, Burgeson RE, Morris NP, et al: Collagen
synthesis: a disulfide-linked collagen precursor in
chick bone. Proc Natl Acad Sci USA 70:2993-6, Oct 73
AMIDES/ ANIMAL EXPERIMENTS/ *BONE
AND BONES, metabolism/ CARBON
RADIOISOTOPES/ CHICK EMBRYO/
CHROMATOGRAPHY/ *COLLAGEN,
biosynthesis/ CYSTINE, metabolism/
DISULFIDES/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GLUTATHIONE/ IN
VITRO/ MOLECULAR WEIGHT/ PROLINE,
metabolism/ PROTEIN CONFORMATION/
PROTEIN DENATURATION/ *PROTEIN
PRECURSORS, isolation & purification/
PROTEIN PRECURSORS, metabolism/
SULFUR RADIOISOTOPES/ TRITIUM
1073. Festein B: Letter: Hypotension in tetanus.
Br Med J 3:635-6, 22 Sep 73
ADRENAL GLAND HYPOFUNCTION,
complications/ HUMAN/ HYDROCORTISONE,
therapeutic use/ *HYPOTENSION,
complications/ HYPOTENSION, drug therapy/
HYPOTENSION, etiology/ SODIUM CHLORIDE,
therapeutic use/ *TETANUS, complications
1074. Fevold HR, Drummond HB: Factors affecting the
adrenocorticotrophic hormone stimulation of rabbit
adrenal 17alpha-hydroxylase activity.
Biochim Biophys Acta 313:211-20, 20 Jun 73
ADRENAL GLANDS, cytology/ ADRENAL
GLANDS, drug effects/ *ADRENAL GLANDS,
enzymology/ ANIMAL EXPERIMENTS/ BODY
WEIGHT/ CARBON RADIOISOTOPES/
COMPARATIVE STUDY/ CORTICOSTERONE,
biosynthesis/ *CORTICOTROPIN,
pharmacodynamics/ CORTISONE, biosynthesis/
CYCLOHEXIMIDE, pharmacodynamics/
CYTOSOL, enzymology/ DIALYSIS/
HYDROCORTISONE, biosynthesis/
*HYDROXYLASES, metabolism/
HYDROXYLATION/ MALE/ MICROSOMES,
enzymology/ MITOCHONDRIA, enzymology/
PREGNENOLONE/ PROGESTERONE/
RABBITS/ SUBCELLULAR FRACTIONS,
enzymology
1075. Fevold HR, Pfeiffer EW, Rice JS: Steroid biosynthesis
by phalarope (Steganopus tricolor and Lohipea
lobatus) adrenal tissue.
Gen Comp Endocrinol 21:353-7, Oct 73
*ADRENAL GLANDS, metabolism/ ANIMAL

AUTHOR SECTION

- EXPERIMENTS/ *BIRDS, physiology/ CARBON RADIOISOTOPES/ *CORTICOSTERONE, hiosynthesis/ *DESOXYCORTICOSTERONE, hiosynthesis/ FEMALE/ MALE/ PREGNENOLONE, metabolism/ *PROGESTERONE, hiosynthesis/ SEX FACTORS/ TIME FACTORS
1076. Fèvre J, Légilse PC, Reynaud O: Rôle des surrénales maternelles dans la production d'oestrogènes par la trule gravide.
Ann Biol Anim Blochim Biophys 12:559-67, 1972 (Fre)
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ DESOXYCORTICOSTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ *ESTROGENS, hiosynthesis/ *ESTRONE, urine/ FEMALE/ FETUS, metabolism/ GESTATIONAL AGE/ HUMAN/ PLACENTA, metabolism/ POTASSIUM CHLORIDE, pharmacodynamics/ *PREGNANCY, ANIMAL/ REPRODUCTION/ SODIUM CHLORIDE, pharmacodynamics/ SPECIES SPECIFICITY/ SWINE
1077. Field FP, Janis RA, Triggler DJ: Relationship between aortic reactivity and blood pressure of renal hypertensive, hyperthyroid, and hypothyroid rats.
Can J Physiol Pharmacol 51:344-53, May 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ *AORTA, physiology/ AORTA, physiopathology/ BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ HEART, drug effects/ *HYPERTENSION, RENAL, physiopathology/ *HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, physiopathology/ IN VITRO/ KIDNEY, drug effects/ MALE/ MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ ORGAN WEIGHT/ POTASSIUM, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/ *THYROID GLAND, physiology/ THYROID GLAND, physiopathology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics
1078. Field M, McColl I: Ion transport in rabbit ileal mucosa.
3. Effects of catecholamines.
Am J Physiol 225:852-7, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BICARBONATES/ CHLORIDES, metabolism/ ELECTROPHYSIOLOGY/ EPINEPHRINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ ILEUM, drug effects/ ILEUM, metabolism/ IN VITRO/ *INTESTINAL MUCOSA, metabolism/ *INTESTINE, SMALL, metabolism/ ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPANOLOL, pharmacodynamics/ RABBITS/ SODIUM, metabolism/ THEOPHYLLINE, pharmacodynamics
1079. Fleschi A, Sacchetti C: La timectomia nella eritroblastopenia pura.
Minerva Med 64:3190-5, 5 Sep 73 (Ita)
AGED/ ANEMIA, APLASTIC, etiology/ *ANEMIA, APLASTIC, therapy/ FEMALE/ HUMAN/ POSTOPERATIVE CARE/ *THYMECTOMY/ *THYMOMA, complications/ *THYMUS NEOPLASMS, complications
1080. Fleve RR, Mendlewicz J, Fleiss JL: Manic-depressive illness: linkage with the Xg blood group.
Am J Psychiatry 130:1355-9, Dec 73
*BLOOD GROUPS/ CROSSING OVER (GENETICS)/ FEMALE/ GENES, DOMINANT/ HETEROZYGOSE/ HUMAN/ *LINKAGE (GENETICS)/ MALE/ PEDIGREE/ PROBABILITY/ PSYCHOSES, MANIC-DEPRESSIVE, diagnosis/ *PSYCHOSES, MANIC-DEPRESSIVE, familial & genetic/ RECOMBINATION, GENETIC/ *SEX CHROMOSOME ABNORMALITIES
1081. Filc-Bauer A: Isoenzymes of lactic dehydrogenase from human placenta.
Arch Immunol Ther Exp (Warsz) 21:599-614, 1973
- AGAR/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ISOENZYMES, isolation & purification/ *ISOENZYMES, metabolism/ *LACTATE DEHYDROGENASE, metabolism/ *PLACENTA, enzymology/ PREGNANCY/ TEMPERATURE
1082. Fillastre JP, Humbert G, Leroy J: Treatment of acute hypercalcemia with furosemide.
Curr Ther Res 15:641-9, Sep 73
ACUTE DISEASE/ ADULT/ AGED/ CALCIUM, metabolism/ DIURESIS, drug effects/ FEMALE/ *FUROSEMIDE, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ MALE/ MIDDLE AGE/ *NEOPLASMS, complications
1083. Fine RE, Blitz AL, Hitchcock SE, et al: Tropomyosin in brain and growing neurones.
Nature [New Biol] 245:182-6, 10 Oct 73
ACTOMYOSIN, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CALCIUM, metabolism/ CHICK EMBRYO/ CIRCULAR DICHROISM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ MUSCLES, analysis/ *NEURONS, analysis/ PEPTIDES, analysis/ PROTEIN CONFORMATION/ SYMPATHETIC NERVOUS SYSTEM, analysis/ TROPOMYOSIN, blood/ *TROPOMYOSIN, isolation & purification/ TROPOMYOSIN, metabolism
1084. Fingerma M: Endocrine mechanisms in marine invertebrates. Fed Proc 32:2195-2203, Dec 73 (159 ref.)
ANIMAL EXPERIMENTS/ ANNELIDA, growth & development/ ANNELIDA, physiology/ BLOOD SUGAR/ CHROMATOPHORES, physiology/ CRUSTACEA, growth & development/ CRUSTACEA, metabolism/ CRUSTACEA, physiology/ DARK ADAPTATION/ ECDYSONE, physiology/ ECHINODERMATA, physiology/ GONADOTROPINS, physiology/ HEART RATE/ *INVERTEBRATE HORMONES, physiology/ MOLLUSCA, physiology/ PIGMENTATION/ REGENERATION/ REPRODUCTION/ RETINAL PIGMENTS, physiology/ REVIEW/ WATER-ELECTROLYTE BALANCE
1085. Finn CA, Bredt JC: Studies on the development of the implantation reaction in the mouse uterus: Influence of actinomycin D. J Reprod Fertil 34:247-53, Aug 73
ANIMAL EXPERIMENTS/ DACTINOMYCIN, administration & dosage/ *DACTINOMYCIN, pharmacodynamics/ DECIDUA/ DNA, physiology/ EPITHELIAL CELLS, drug effects/ ESTRADIOL, administration & dosage/ FEMALE/ MICE/ MITOSIS, drug effects/ *NIDATION, drug effects/ OVUM, growth & development/ OVUM, transplantation/ PREGNANCY/ RNA, MESSENGER, hiosynthesis/ TRANSPLANTATION, HOMOLOGOUS/ UTERUS, anatomy & histology/ UTERUS, drug effects
1086. Finogenova NA, Iuniso EV: K voprosu o lechenii detei hol'nykh retikulozarkomoi v periode remisii.
Pediatrliia 52:59-61, Jul 73 (Ru)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INTESTINAL NEOPLASMS, therapy/ *LYMPHATIC METASTASIS, therapy/ MALE/ MEDIASTINAL NEOPLASMS, therapy/ MESENTERY/ OVARIAN NEOPLASMS, therapy/ PHARYNGEAL NEOPLASMS, therapy/ REMISSION/ *SARCOMA, RETICULUM CELL, therapy
1087. Firooznia H, Seliger G, Abrams RM, et al: Disseminated extrapulmonary tuberculosis in association with heroin addiction. Radiology 109:291-6, Nov 73
ADULT/ BONE AND BONES/ BONE AND BONES, radiography/ ELBOW, radiography/ FEMALE/ *HEROIN ADDICTION, complications/ HUMAN/ MALE/ MEDIASTINUM/ PAROTID GLAND/ RIBS, radiography/ SKULL, radiography/ SPINE,

AUTHOR SECTION

- radiography/ TOMOGRAPHY, RADIOGRAPHIC/
*TUBERCULOSIS, etiology/ TUBERCULOSIS,
radiography/ TUBERCULOSIS,
GASTROINTESTINAL, etiology/
TUBERCULOSIS, GASTROINTESTINAL,
radiography/ TUBERCULOSIS,
OSTEOARTICULAR, etiology/ TUBERCULOSIS,
OSTEOARTICULAR, radiography/
TUBERCULOSIS, PULMONARY, etiology/
TUBERCULOSIS, PULMONARY, radiography/
TUBERCULOSIS, SPINAL, etiology/
TUBERCULOSIS, SPINAL, radiography/ ULNA,
pathology
188. Fischer M, Buttermann G, Becker G, et al: Die Struma maligna. Fortschr Med 91:1159-64, 18 Oct 73 (Ger)
ADULT/ AGED/ FEMALE/ GERMANY, WEST/
HUMAN/ IODINE RADIOISOTOPES,
therapeutic use/ MALE/ MIDDLE AGE/
PROGNOSIS/ RADIOISOTOPE THERAPY/
*THYROID NEOPLASMS/ THYROID
NEOPLASMS, diagnosis/ THYROID
NEOPLASMS, drug therapy/ THYROID
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NEOPLASMS, occurrence/ THYROID
NEOPLASMS, pathology/ THYROID
NEOPLASMS, radiotherapy/ THYROID
NEOPLASMS, surgery/ THYROIDECTOMY
189. Fisher ER, Rothstein R, Wholey MH, et al: Influence of nicotine on experimental atherosclerosis and its determinants. Arch Pathol 96:298-304, Nov 73
ADRENAL GLANDS/ ANGIOGRAPHY/
ANIMAL EXPERIMENTS/ AORTA, pathology/
AORTIC DISEASES, chemically induced/
ARTERIES/ *ARTERIOSCLEROSIS, chemically induced/ BLOOD PRESSURE, drug effects/
BLOOD PROTEINS, analysis/ BODY WEIGHT, drug effects/ CHOLESTEROL, blood/
CORONARY DISEASE, chemically induced/
CORONARY VESSELS, radiography/ FEMALE/
HEART/ HEART, radiography/
HYPERCHOLESTEREMIA, chemically induced/
HYPERTENSION, chemically induced/ LIPIDS, blood/ LIPOPROTEINS, blood/ LIVER/ MALE/
*NICOTINE, adverse effects/ ORGAN WEIGHT/ RABBITS/ TRIGLYCERIDES, blood
190. Fisherman EW, Cohen GN: Aspirin disease, L-histidine and the sequential vascular response test. Ann Allergy 31:555-60, Nov 73
*ASPIRIN/ BLOOD COAGULATION TESTS/
*DRUG HYPERSENSITIVITY, metabolism/
FATTY ACIDS/ *HISTIDINE, metabolism/
HUMAN/ HYPERSENSITIVITY, IMMEDIATE, immunology/ IODIDES
191. Fishman J, Yoshizawa I, Hellman L: Mechanism of catechol estrogen formation in man. Steroids 22:401-11, Sep 73
ADULT/ ESTRADIOL, metabolism/ *ESTRONE, metabolism/ HUMAN/ HYDROLYSIS/ MALE/
METHYL ETHERS, biosynthesis/ SULFUR RADIOISOTOPES/ SULFURIC ACIDS, biosynthesis/ TIME FACTORS/ TRITIUM
192. Flumara NJ, Di Mattia A: Gonorrhoea and condyloma acuminata in a male transsexual. Br J Vener Dis 49:478-9, Oct 73
ACTINOSPECTACIN, therapeutic use/ ADULT/
*CONDYLOMATA ACUMINATA, complications/
CONDYLOMATA ACUMINATA, drug therapy/
*GONORRHEA, complications/ GONORRHEA, drug therapy/ HUMAN/ MALE/
PODOPHYLLIN, therapeutic use/ SEX REVERSAL, GONADAL/ *TRANSEXUALISM, complications/ TRANSEXUALISM, surgery
193. Flamenbaum W, McNeil JS, Kotchen TA, et al: Glycerol-induced acute renal failure after acute plasma renin activity suppression. J Lab Clin Med 82:587-96, Oct 73
ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ BLOOD UREA NITROGEN/ DEPRESSION, CHEMICAL/ DESOXYCORTICOSTERONE, pharmacodynamics/ DIURESIS, drug effects/
*GLYCERIN/ GLYCERIN, administration & dosage/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, metabolism/ *KIDNEY FAILURE, ACUTE, chemically induced/ KIDNEY FAILURE, ACUTE, enzymology/ NATRIURESIS, drug effects/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ RATS/ RENIN, biosynthesis/ *RENIN, blood/ RENIN, physiology/ SODIUM CHLORIDE, pharmacodynamics
194. Fleisch H, Bonjour JP: Editorial: Diphosphonate treatment in bone disease. N Engl J Med 289:1419-20, 27 Dec 73
ADULT/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *BONE DISEASES, drug therapy/ BONE DISEASES, metabolism/ CALCIUM, metabolism/ CHILD/ HUMAN/ MYOSITIS OSSIFICANS, drug therapy/
*ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ OSTEITIS DEFORMANS, drug therapy/ SODIUM ETIDRONATE, therapeutic use
195. Fleisch JH, Krizan MC, Titus E: Pharmacologic receptor activity of rabbit aorta. Effect of dithiothreitol and N-ethylmaleimide. Circ Res 33:284-90, Sep 73
ANGIOTENSIN II, pharmacodynamics/
ANIMAL EXPERIMENTS/ AORTA, drug effects/ AORTA, enzymology/ *AORTA, physiology/ CYSTEINE, pharmacodynamics/
CYSTINE, pharmacodynamics/
*DITHIOTHREITOL, pharmacodynamics/
ERYTHRITOL, pharmacodynamics/
*ETHYLMALAIMIDE, pharmacodynamics/
HISTAMINASE, metabolism/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/
METHYLTRANSFERASES, metabolism/
MUSCLE CONTRACTION, drug effects/
*MUSCLE, SMOOTH, physiology/
NOREPINEPHRINE, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/
POTASSIUM CHLORIDE, pharmacodynamics/
RABBITS/ *RECEPTORS, DRUG, drug effects/
SEROTONIN, pharmacodynamics
196. Fletcher JW, Gallagher NI, Warnecke MA, et al: Erythropoiesis and hyperoxia. Proc Soc Exp Biol Med 144:569-74, Nov 73
ANIMAL EXPERIMENTS/ ANOXIA, physiopathology/ BIOLOGICAL ASSAY/
ENVIRONMENT, CONTROLLED/
ERYTHROCYTES, metabolism/
*ERYTHROPOIESIS/ ERYTHROPOIETIN, pharmacodynamics/ FEMALE/ IRON, metabolism/ IRON ISOTOPES/ IRON RADIOISOTOPES/ *OXYGEN/ PARABIOSIS/
RATS/ TRIODOTHYRONINE, pharmacodynamics
197. Fletcher JW, Solaric-George E, Henry RE, et al: Evaluation of 99mTc-pyrophosphate as a bone imaging agent. Radiology 109:467-8, Nov 73
ANIMAL EXPERIMENTS/ BLADDER NEOPLASMS, diagnosis/ BONE AND BONES/ BONE NEOPLASMS, diagnosis/ BREAST NEOPLASMS, diagnosis/ *CARCINOMA, diagnosis/ COMPARATIVE STUDY/ HUMAN/ LUNG NEOPLASMS, diagnosis/ MELANOMA, diagnosis/ NEOPLASM METASTASIS/
PROSTATIC NEOPLASMS, diagnosis/
*PYROPHOSPHATES/ *RADIOISOTOPE SCANNING/ RECTAL NEOPLASMS, diagnosis/
SODIUM/ *TECHNETIUM/ TIME FACTORS
198. Flindall RJ, Leonard BC: The effect of corticosteroids on the retinal cryoadhesion. Can J Ophthalmol 8:566-8, Oct 73
ADHESIVENESS/ ANIMAL EXPERIMENTS/
BIOMEDICAL ENGINEERING, instrumentation/
CONJUNCTIVA/ *CRYOGENIC SURGERY/
DISEASE MODELS, ANIMAL/
INFLAMMATION, drug therapy/ INJECTIONS/
*PREDNISONE, pharmacodynamics/ RABBITS/
*RETINA, physiology/ RETINAL DETACHMENT, surgery/ STRESS, MECHANICAL/ *TRIAMCINOLONE, pharmacodynamics
199. Flisberg K, Olsholt R: Pseudocroup with stridor. Acta Otolaryngol (Stockh) 76:295-9, Oct 73
ACUTE DISEASE/ CHILD/ CHILD,

AUTHOR SECTION

- PRESCHOOL/ COMPARATIVE STUDY/
CORTICOTROPIN, therapeutic use/ FEMALE/
HUMAN/ HYDROCORTISONE, therapeutic use/
INFANT/ *LARYNGITIS, drug therapy/
MALE/ *RESPIRATORY INSUFFICIENCY,
drug therapy/ TIME FACTORS/
TRACHEOTOMY/ VIRUS DISEASES
1100. Florensa E, Sommerville IF: Radioimmunoassay of plasma 20 alpha-dihydroprogesterone. *Steroids* 22:451-65, Oct 73
ADULT/ ANTIBODY SPECIFICITY/
CHROMATOGRAPHY/ CROSS REACTIONS/
FEMALE/ HUMAN/
HYDROXYPROGESTERONE, blood/ MALE/
METHODS/ PREGNANCY/ PROGESTERONE,
blood/ *PROGESTERONE, blood/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ SERUM
ALBUMIN, BOVINE/ TIME FACTORS/
TRITIUM
1101. Flouret G, Morgan R, Gendrich R, et al: Synthesis of the thyrotropin-releasing hormone enantiomer and some diastereoisomers and in vitro studies of their biological activity. *J Med Chem* 16:1137-40, Oct 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, THIN LAYER/
DOSE-RESPONSE RELATIONSHIP, DRUG/ IN
VITRO/ MOLECULAR CONFORMATION/
NUCLEAR MAGNETIC RESONANCE/
OPTICAL ROTATION/ PITUITARY GLAND,
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RATS/ STEREOISOMERS/
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THYROTROPIN, metabolism/ *THYROTROPIN
RELEASING HORMONE, chem synthesis/
THYROTROPIN RELEASING HORMONE,
pharmacodynamics
1102. Flyer RH, Finch SC: The effects of prostaglandin E1 on human granulocyte metabolism during phagocytosis. *J Reticuloendothel Soc* 14:325-31, Oct 73
CARBON DIOXIDE, metabolism/ CARBON
RADIOISOTOPES/ GLUCOSE, metabolism/
HUMAN/ LATEX PARTICLES/ LEUKOCYTE
COUNT/ *LEUKOCYTES, drug effects/
LEUKOCYTES, metabolism/ *PHAGOCYTOSIS/
*PROSTAGLANDINS, pharmacodynamics/
STAINS AND STAINING/ STARCH/
TETRAZOLIUM SALTS
1103. Földes I, Kern M: Study of metastatic calcification due to vitamin D. *Folia Morphol (Praha)* 21:169-71, 1973
ANIMAL EXPERIMENTS/ AORTIC DISEASES,
chemically induced/ *CALCINOSIS, chemically
induced/ CARTILAGE DISEASES, chemically
induced/ FEMALE/ INTERVERTEBRAL DISK/
KIDNEY DISEASES, chemically induced/
LUNG DISEASES, chemically induced/ RATS/
SPINAL DISEASES, chemically induced/
*VITAMIN D
1104. Földes I, Petkó M, Tóth C: Histochemical investigation of lipids in the epiphyseal and articular cartilages of rats of different ages. *Acta Morphol Acad Sci Hung* 21:123-35, 1973
ACETONE/ AGE FACTORS/ ANIMAL
EXPERIMENTS/ BENZOPYRENES/
CAFFEINE/ *CARTILAGE, analysis/
*CARTILAGE, ARTICULAR, analysis/
CEREBROSIDES, analysis/ CHOLESTEROL,
analysis/ EPIPHYSES/ FATTY ACIDS,
NONESTERIFIED, analysis/ GLYCOLIPIDS,
analysis/ HISTOCYTOCHEMISTRY/
KETOSTEROIDS, analysis/ *LIPIDS, analysis/
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FLUORESCENCE/ PHOSPHOLIPIDS, analysis/
RATS/ STAINS AND STAINING/
SULFATIDES, analysis/ TIBIA/
TRIGLYCERIDES, analysis
1105. Follett BK, Hinde RA, Steel E, et al: The influence of photoperiod on nest building, ovarian development and luteinizing hormone secretion in canaries (*Serinus canarius*). *J Endocrinol* 59:151-62, Oct 73
ANIMAL EXPERIMENTS/ *CANARIES,
physiology/ ESTRADIOL, pharmacodynamics/
FEMALE/ GRAAFIAN FOLLICLE, drug
effects/ LH, blood/ *LH, secretion/ *LIGHT/
*NESTING BEHAVIOR/ NESTING BEHAVIOR,
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*OVARY, growth & development/ OVIDUCTS,
anatomy & histology/ OVIDUCTS, growth &
development/ PITUITARY GLAND, analysis/
RADIOIMMUNOASSAY/ TIME FACTORS
1106. Folman Y, Rosenberg M, Herz Z, et al: The relationship between plasma progesterone concentration and conception in post-partum dairy cows maintained on two levels of nutrition. *J Reprod Fertil* 34:267-78, Aug 73
ANIMAL EXPERIMENTS/ *ANIMAL
NUTRITION/ BODY WEIGHT/ *CATTLE,
physiology/ ESTRUS/ FEMALE/
*FERTILIZATION/ LACTATION/ OVULATION
*PROGESTERONE, blood/ PROTEIN BINDING/
TIME FACTORS
1107. Fontaine J: Contribution à l'étude du développement du corps carotidien et du corps ultimobranchial des oiseaux. Le contenu en monoamines et la capacité de capter la L-dopa des cellules glomériques et des cellules à calcitonine au cours de la vie embryonnaire. *Arch Anat Microsc Morphol Exp* 62:89-100, Jan-Mar 73 (Fre)
ANIMAL EXPERIMENTS/ CAROTID BODY,
cytology/ *CAROTID BODY, embryology/
*CELLS, metabolism/ CHICK EMBRYO/
*CHICK EMBRYO/ *DOPA, metabolism/
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FLUORESCENCE/ *QUAIL, embryology/ TIME
FACTORS/ ULTIMOBRANCHIAL BODY,
cytology/ *ULTIMOBRANCHIAL BODY,
embryology
1108. Fontaine J, Reuse JJ: Action du métoclopramide et de la procaine sur des hanchelettes fundiques isolées d'estomac de rat. *Arch Int Pharmacodyn Ther* 204:191-5, Jul 73 (Fre)
ACETYLCHOLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CALCIUM,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ DRUG
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PROSTAGLANDINS, pharmacodynamics/ RATS
SEROTONIN, pharmacodynamics/ *STOMACH,
drug effects/ TIME FACTORS
1109. Fontaine J, Reuse JJ: Pharmacological analysis of the effects of metoclopramide on the guinea-pig ileum in vitro. *Arch Int Pharmacodyn Ther* 204:293-305, Aug 73
ACETYLCHOLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ ATROPINE,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ELECTRIC
STIMULATION/ GUINEA PIGS/
HEXAMETHONIUM COMPOUNDS,
pharmacodynamics/ HISTAMINE,
pharmacodynamics/ *ILEUM, drug effects/ IN
VITRO/ METHYLERGIDE, pharmacodynamics/
METOCLOPRAMIDE, antagonists & inhibitors/
*METOCLOPRAMIDE, pharmacodynamics/
MORPHINE, pharmacodynamics/ MUSCLE
CONTRACTION, drug effects/ MUSCLE,
SMOOTH, drug effects/ NICOTINE,
pharmacodynamics/ PROCAINE,
pharmacodynamics/ PROPANOLOL,
pharmacodynamics/ SCOPOLAMINE,
pharmacodynamics/ SEROTONIN,
pharmacodynamics/ TETRODOTOXIN,
pharmacodynamics/ TIME FACTORS
1110. Fontana VJ: The battered child--1973. When to suspect child abuse. *Med Times* 101:116-20 passim, Oct 73
BONE AND BONES, radiography/ *CHILD
ABUSE/ CHILD, PRESCHOOL/ ETHICS,
MEDICAL/ HUMAN/ INFANT/ LEGISLATION
MEDICAL/ PARENT-CHILD RELATIONS/
SOCIOENVIRONMENTAL THERAPY/ UNITED
STATES
1111. Fontanel JP, Bethuël MJ, Sénéchal G, et al: Un cas de syndrome de Lambert-Eaton secondaire à un épithélioma laryngé.

AUTHOR SECTION

Ann Otolaryngol Chlr Cervicofac 90:314-7, Apr-May 73
(Fre)

ADRENAL CORTEX HORMONES, therapeutic use/ BIOPSY/ *CARCINOMA, EPIDERMAL, complications/ CARCINOMA, EPIDERMAL, diagnosis/ CARCINOMA, EPIDERMAL, surgery/ ELECTRODIAGNOSIS/ HUMAN/ *LARYNGEAL NEOPLASMS, complications/ LARYNGEAL NEOPLASMS, diagnosis/ LARYNGEAL NEOPLASMS, surgery/ LARYNGECTOMY/ LARYNGITIS, etiology/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, drug therapy/ *MUSCULAR DISEASES, etiology/ MUSCULAR DISEASES, therapy/ NEOSTIGMINE, therapeutic use

vasopressin in herpetic neuralgia.

Acta Derm Venereol (Stockh) 53:359-62, 1973
ACUTE DISEASE/ ADULT/ AGED/ CHRONIC DISEASE/ FEMALE/ GASTROINTESTINAL MOTILITY, drug effects/ *HERPES ZOSTER, drug therapy/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LYSINE, therapeutic use/ MALE/ MIDDLE AGE/ *NEURALGIA, drug therapy/ OSTEOPOROSIS, drug therapy/ PRURITUS, drug therapy/ RAYNAUD'S DISEASE, drug therapy/ TABES DORSALIS, drug therapy/ TIME FACTORS/ TRIGEMINAL NEURALGIA, drug therapy/ VASOPRESSIN, administration & dosage/ VASOPRESSIN, adverse effects/ *VASOPRESSIN, therapeutic use

112. Forafonova LN, Galkin VA: Perekut nozhki kisty laichnika u devochki 2 meslatsv.
Vopr Okhr Materln Det 18:83, Mar 73 (Rus)
CASE REPORT/ FEMALE/ HUMAN/ INFANT/ INFANT, PREMATURE/ *OVARIAN CYSTS, complications/ TORSION

113. Ford JA: Proceedings: Aetiology of Asian rickets and osteomalacia in the United Kingdom.
Arch Dis Child 48:827-8, Oct 73
ADOLESCENCE/ CHILD/ DIET, adverse effects/ DIET THERAPY/ GREAT BRITAIN/ HUMAN/ INDIA/ *OSTEOMALACIA, etiology/ PAKISTAN/ *RICKETS, etiology

114. Foreman JC, Mongar JL, Gomperts BD: Calcium ionophores and movement of calcium ions following the physiological stimulus to a secretory process.
Nature 245:249-51, 5 Oct 73
ANIMAL EXPERIMENTS/ ANTIBIOTICS, pharmacodynamics/ ANTIGENS/ BENZOATES, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM, physiology/ CALCIUM RADIOISOTOPES/ CARBOXYLIC ACIDS, pharmacodynamics/ CELL MEMBRANE PERMEABILITY/ GLYCOLYSIS, drug effects/ *HISTAMINE LIBERATION/ IN VITRO/ ION EXCHANGE/ MAGNESIUM, pharmacodynamics/ MAST CELLS, immunology/ *MAST CELLS, metabolism/ MITOCHONDRIA, metabolism/ OXYGEN CONSUMPTION, drug effects/ RATS/ STRONTIUM, pharmacodynamics

115. Foret JE, Babich GL: Effects of dibutyryl cyclic AMP and related compounds on newt limb regeneration blastemas in vitro. I. 3H-thymidine incorporation.
Oncology 28:83-8, 1973
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION, drug effects/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *DNA, biosynthesis/ EXTREMITIES/ FLUORIDES, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ PHOSPHODIESTERASES, pharmacodynamics/ *REGENERATION, drug effects/ *SALAMANDERS, physiology/ THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM

116. Fornasier VL, Villaghy MI: Laboratory suggestions: the results of bone biopsy with a new instrument.
Am J Clin Pathol 60:570-3, Oct 73
*BIOPSY, instrumentation/ *BONE AND BONES, pathology/ *BONE DISEASES, pathology/ BONE MARROW, pathology/ HUMAN

117. Forsius H, Krause U, Helve J, et al: Visual acuity in 183 cases of X-chromosomal retinoschisis.
Can J Ophthalmol 8:385-93, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BLINDNESS, etiology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FUNDUS OCULI/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ OPHTHALMOSCOPY/ PEDIGREE/ PROGNOSIS/ RETINAL DISEASES, etiology/ *RETINAL DISEASES, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES, complications/ *VISUAL ACUITY

118. Forssman O, Leczinsky CG, Mulder J: Synthetic lysine

1119. Fortner JG, Kinne DW, Shiu MH, et al: Clinical liver heterotopic (auxiliary) transplantation.

Surgery 74:739-51, Nov 73
ADULT/ AGED/ ANTIBODIES/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ AZATHIOPRINE, pharmacodynamics/ BILIRUBIN, blood/ CHILD, PRESCHOOL/ CHOLANGIOMA, pathology/ FEMALE/ GRAFT REJECTION, drug effects/ HEPATIC ARTERY/ HUMAN/ IMMUNOSUPPRESSION/ LIVER, pathology/ LIVER, surgery/ *LIVER, transplantation/ LIVER NEOPLASMS, pathology/ MALE/ MESENTERIC VEINS/ METHODS/ PORTAL VEIN/ PREDNISONE, pharmacodynamics/ SPLENIC VEIN/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS/ VENA CAVA, INFERIOR

1120. Fossati P, Lefebvre J, Cappoen JP, et al: La fonction gluco-corticoïde du traumatisé crânien.

Ann Endocrinol (Paris) 34:145-58, Mar-Apr 73 (Fre)
*ADRENAL GLANDS, physiopathology/ CORTICOSTERONE, blood/ CORTISONE, urine/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, secretion/ *HEAD INJURIES, physiopathology/ HEAD INJURIES, urine/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ 11-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, blood/ SERUM ALBUMIN/ TIME FACTORS/ TRANSCORTIN

1121. Foster JA, Bruenger E, Hu CL, et al: A new, improved technique for automated sequencing of non-polar peptides.

Biochem Biophys Res Commun 53:70-4, 2 Jul 73
AMINES/ *AMINO ACID SEQUENCE/ AUTOANALYSIS/ CARBODIIMIDES/ ELASTIN, analysis/ METHODS/ NAPHTHALENESULFONATES/ OLIGOPEPTIDES, analysis/ *PEPTIDES, analysis/ THIOCYANATES

1122. Foulks JG, Miller JA, Perry FA: Restoration of the ability of frog skeletal muscle to develop potassium contractures in calcium-deficient media.

Can J Physiol Pharmacol 51:335-43, May 73
ACETIC ACIDS, pharmacodynamics/ ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CALCIUM, pharmacodynamics/ CHELATING AGENTS, pharmacodynamics/ CHLORIDES, physiology/ ETHYL ETHERS, pharmacodynamics/ FERROCYANIDES, pharmacodynamics/ FROGS/ GLYCOLS, pharmacodynamics/ IN VITRO/ KINETICS/ MAGNESIUM, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLES, physiology/ NITRATES, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ POTASSIUM, pharmacodynamics/ QUINIDINE, pharmacodynamics/ TETRAETHYLAMMONIUM COMPOUNDS/ TIME FACTORS/ ZINC, pharmacodynamics

1123. Fournier AM, Mourou M: Pachydermopériostose.

J Radiol Electrol Med Nucl 54:417-23, May 73 (Fre)
ACROMEGALY, radiography/ *BONE AND BONES, radiography/ DIAGNOSIS, DIFFERENTIAL/ FIBROUS DYSPLASIA OF

AUTHOR SECTION

- BONE, radiography/ HUMAN/ HYPEROSTOSIS, CORTICAL CONGENITAL, radiography/ MALE/ MIDDLE AGE/ *OSSIFICATION, PATHOLOGIC, radiography/ OSTEITIS DEFORMANS, radiography/ OSTEITIS FIBROSA CYSTICA, radiography/ OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, radiography/ OSTEOPETROSIS, radiography/ OSTEOSCLEROSIS, radiography/ *PERIOSTEUM/ *SKIN DISEASES, radiography
1124. Fowler JS, Ansari AN, Atkins HL, et al: Synthesis and preliminary evaluation in animals of carrier-free 11C-1-dopamine hydrochloride: X. J Nucl Med 14:867-9, Nov 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CARBON RADIOISOTOPES/ DOGS/ *DOPAMINE/ DOPAMINE, metabolism/ EVALUATION STUDIES/ *ISOTOPE LABELING/ NOREPINEPHRINE/ RADIOISOTOPE SCANNING/ TIME FACTORS
1125. Fowler ME, Hart R: Castration of an Asian elephant, using etorphine anesthesia. J Am Vet Med Assoc 183:539-43, 15 Sep 73
ALCOHOLS, AMYL/ ALCOHOLS, AMYL, administration & dosage/ *ANESTHESIA, GENERAL, veterinary/ ANESTHESIA, INTRAVENOUS, veterinary/ *ANESTHETICS/ ANIMAL EXPERIMENTS/ *ANIMALS, ZOO/ CARBON DIOXIDE, blood/ *CASTRATION, veterinary/ ELECTROCARDIOGRAPHY/ *ELEPHANTS, physiology/ HEART RATE/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAMUSCULAR/ INTUBATION, INTRATRACHEAL/ MALE/ METHODS/ *MORPHINANS/ MORPHINANS, administration & dosage/ OXYGEN, blood/ RESPIRATION/ TESTIS, anatomy & histology
1126. Fowler PB, Ikram H, Banim S: Letter: Association of autoantibodies with smoking, cardiovascular morbidity, and death in the Busselton population. Lancet 2:862, 13 Oct 73
*AUTOANTIBODIES, isolation & purification/ CARDIOVASCULAR DISEASES, mortality/ *CARDIOVASCULAR DISEASES, occurrence/ FEMALE/ HOSPITALIZATION/ HUMAN/ MALE/ SEX FACTORS/ *SMOKING/ THYROIDITIS, immunology
1127. Fowler PB, Ikram H, Banim S: Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131. Lancet 2:801, 6 Oct 73
ANTIBODIES/ AUTOIMMUNE DISEASES, complications/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, immunology/ HYPOTHYROIDISM, etiology/ IODINE ISOTOPES, therapeutic use/ LIPIDS, metabolism/ METABOLIC DISEASES, complications/ *THYROTROPIN, blood
1128. Fox DP: The control of chiasma distribution in the locust, *Schistocerca gregaria* (Forsk.). Chromosoma 43:289-328, 27 Aug 73
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ CROSSING OVER (GENETICS)/ *GRASSHOPPERS/ KARYOTYPING/ MALE/ MEIOSIS/ SEX CHROMOSOMES/ SPECIES SPECIFICITY
1129. Franco PS, Hershman JM, Haigler ED Jr, et al: Response to thyrotropin-releasing hormone compared with thyroid suppression tests in euthyroid Graves' disease. Metabolism 23:1357-65, Nov 73
ADULT/ COMPARATIVE STUDY/ FEMALE/ *GOITER, EXOPHTHALMIC, physiopathology/ HUMAN/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROIDITIS, LYMPHOMATOUS, physiopathology/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ TRIIODOTHYRONINE, diagnostic use
1130. Franco PS, Hershman JM, Galbraith JG: Treatment of acromegaly by stereotaxic cryohypophysectomy. South Med J 66:747-53, Jul 73
ABDUCENT NERVE/ *ACROMEGALY, surgery/ *ADENOMA, CHROMOPHOBE, surgery/ *ADENOMA, EOSINOPHILIC, surgery/ ADULT/ AGED/ BIOPSY, NEEDLE/ CEREBROSPINAL RHINORRHEA, etiology/ CORTICOTROPIN, blood/ *CRYOGENIC SURGERY/ DIABETES INSIPIDUS, etiology/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ *HYPOPHYSECTOMY/ HYPOPHYSECTOMY, adverse effects/ MALE/ MENINGITIS, etiology/ MIDDLE AGE/ PARALYSIS, etiology/ *PITUITARY NEOPLASMS, surgery/ RADIOIMMUNOASSAY/ SKULL, radiography/ SOMATOTROPIN, blood/ *STEREOTAXIC TECHNIQUES/ THYROTROPIN, blood
1131. Frankel BL, Buchbinder R, Snyder F: Ineffectiveness of electrosleep in chronic primary insomnia. Arch Gen Psychiatry 29:563-8, Oct 73
ADULT/ ANXIETY/ CIRCADIAN RHYTHM/ DEPRESSION/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ *ELECTRONARCOSIS/ ELECTROOCULOGRAPHY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *INSOMNIA, therapy/ INSOMNIA, urine/ MALE/ MIDDLE AGE/ PERSONALITY INVENTORY/ QUESTIONNAIRES
1132. Frankel RS, Jones AE, Johnson KW, et al: The significance of urinary bladder displacement noted on whole-body 18F bone scintigraphy. Radiology 109:397-400, Nov 73
ADOLESCENCE/ AGED/ *BLADDER/ BLADDER, pathology/ BONE AND BONES/ BONE NEOPLASMS, diagnosis/ BUTTOCKS/ CHILD/ COMPARATIVE STUDY/ FEMALE/ FEMUR HEAD/ FLUORINE/ HUMAN/ ISCHIUM/ MALE/ NEOPLASM METASTASIS/ NEOPLASMS, diagnosis/ PELVIC NEOPLASMS, diagnosis/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES/ RHABDOMYOSARCOMA, diagnosis/ SACROCOCCYGEAL REGION/ SARCOMA, EWING'S, diagnosis/ SARCOMA, OSTEOGENIC, diagnosis/ SODIUM/ UROGRAPHY
1133. Frankenne F, Joassin L, Gerday C: The amino acid sequence of the pike (*Esox lucius*) parvalbumin 3. FEBS Lett 35:145-7, 1 Sep 73
*ALBUMINS, analysis/ *AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBOXYPEPTIDASES/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ DANSYL COMPOUNDS/ ELECTROPHORESIS/ ELECTROPHORESIS, PAPER/ *FISHES/ GEL FILTRATION/ LEUCINE AMINOPEPTIDASE/ *MUSCLE PROTEINS, analysis/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ SPECTRUM ANALYSIS, MASS/ THIOCYANATES/ TRYPSIN
1134. Franklin R, Costello LC, Stacey R, et al: Calcitonin effects on plasma and urinary citrate levels in rats. Am J Physiol 225:1178-80, Nov 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ *CALCITONIN, pharmacodynamics/ CALCIUM, blood/ CITRATES, blood/ *CITRATES, metabolism/ CITRATES, urine/ FEMALE/ *KIDNEY, drug effects/ KIDNEY, metabolism/ LIVER, metabolism/ PARATHYROID GLANDS, physiology/ RATS/ TAIL, blood supply/ THYROIDECTOMY
1135. Franquinet R, Lender T: Etude ultrastructurale des testicules de *Polycelis tenuis* et *Polycelis nigra* (Planaries). Evolution des cellules germinales mâles avant la spermiogénèse. Z Mikrosk Anat Forsch 87:4-22, 1973 (Fre)
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/

AUTHOR SECTION

- CELL NUCLEUS/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ *GERM CELLS, physiology/ GOLGI APPARATUS/ MALE/ MEIOSIS/ MICROSCOPY, ELECTRON/ MICROTUBULES/ MITOCHONDRIA/ MITOSIS/ *PLATYHELMINTHS, anatomy & histology/ *SPERMATOGENESIS/ *SPERMATOZOA, cytology/ *TESTIS, cytology
36. Franssila KO: Is the differentiation between papillary and follicular thyroid carcinoma valid? Cancer 32:853-64, Oct 73
*ADENOCARCINOMA, classification/ ADENOCARCINOMA, mortality/ ADENOCARCINOMA, occurrence/ ADENOCARCINOMA, pathology/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *CARCINOMA, PAPILLARY, classification/ CARCINOMA, PAPILLARY, mortality/ CARCINOMA, PAPILLARY, occurrence/ CARCINOMA, PAPILLARY, pathology/ CELL NUCLEUS/ CHILD/ FEMALE/ FINLAND/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ SEX FACTORS/ *THYROID NEOPLASMS, classification/ THYROID NEOPLASMS, mortality/ THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, pathology
37. Fraser D: The nursing and suckling behaviour of pigs. I. The importance of stimulation of the anterior teats. Br Vet J 129:324-36, Jul-Aug 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ FEMALE/ LACTATION/ MAMMAE/ MATERNAL BEHAVIOR/ PHYSICAL STIMULATION/ POSTURE/ PREGNANCY/ *SUCKING BEHAVIOR/ *SWINE, physiology/ *VOCALIZATION, ANIMAL
38. Fraser HM, Gunn A: Effects of antibodies to luteinizing hormone-releasing hormone in the male rabbit and on the rat oestrous cycle. Nature 244:160-1, 20 Jul 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIGEN-ANTIBODY REACTIONS/ *ESTRUS/ FEMALE/ IMMUNITY, PASSIVE/ IMMUNIZATION/ *LH-FSH RELEASING HORMONE/ MALE/ ORGAN WEIGHT/ PASSIVE TRANSFER/ RABBITS/ RADIOIMMUNOASSAY/ RATS/ TESTIS, anatomy & histology/ *TESTIS, immunology
39. Frazier WA, Boyd LF, Bradshaw RA: Interaction of nerve growth factor with surface membranes: biological competence of insolubilized nerve growth factor. Proc Natl Acad Sci USA 70:2931-5, Oct 73
ANIMAL EXPERIMENTS/ AXONS, drug effects/ BIOLOGICAL ASSAY/ CELL MEMBRANE/ metabolism/ CHICKENS/ GANGLIA, cytology/ *GANGLIA, drug effects/ GANGLIA, metabolism/ GANGLIA, AUTONOMIC, cytology/ GANGLIA, AUTONOMIC, drug effects/ GANGLIA, AUTONOMIC, metabolism/ NERVE GROWTH FACTOR, metabolism/ *NERVE GROWTH FACTOR, pharmacodynamics/ POLYSACCHARIDES, metabolism/ PROTEIN BINDING/ *RECEPTORS, DRUG/ SOLUBILITY
40. Frederik PM, Doorn LG van: A technique for perfusion of rat testes in situ through the internal spermatic arteries. J Reprod Fertil 35:117-21, Oct 73
ANIMAL EXPERIMENTS/ AORTA/ ARTERIES/ BINDING SITES/ BLOOD PRESSURE/ CENTRIFUGATION, DENSITY GRADIENT/ ESTRADIOL, metabolism/ KREBS CYCLE/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ *PERFUSION, instrumentation/ RATS/ *TESTIS, blood supply/ TRITIUM
41. Freeman BM, Manning AC, Pole DS: Factors affecting plasma ceruloplasmin activity in Gallus domesticus. Comp Biochem Physiol [A] 45:889-98, 1 Jul 73
AGING/ ANIMAL EXPERIMENTS/ BETAMETHASONE, pharmacodynamics/ *CERULOPLASMIN, metabolism/ *CHICKENS, metabolism/ CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RESERPINE, pharmacodynamics/ TIME FACTORS
4142. Freeman HC, Horne DA: Mercury in Canadian seals. Bull Environ Contam Toxicol 10:172-80, Sep 73
ADIPOSE TISSUE, analysis/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN CHEMISTRY/ CANADA/ CHROMATOGRAPHY, GAS/ FEMALE/ FETUS/ GONADS, analysis/ HAIR, analysis/ HOOF AND CLAW, analysis/ KIDNEY, analysis/ LIVER, analysis/ MALE/ *MERCURY, analysis/ METHODS/ METHYL MERCURY COMPOUNDS, analysis/ MUSCLES, analysis/ MYOCARDIUM, analysis/ *PINNIPEDIA/ PREGNANCY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ WATER POLLUTION, CHEMICAL
4143. Freeman PA: Walldius arthroplasty. A review of 80 cases. Clin Orthop 94:85-91, Jul-Aug 73
ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, surgery/ *ARTHROPLASTY/ EMBOLISM, FAT, etiology/ FEMALE/ GLUCOCORTICIDS, therapeutic use/ HUMAN/ *JOINT PROSTHESIS/ *KNEE, surgery/ MALE/ MIDDLE AGE/ MOVEMENT/ OSTEOARTHRITIS, surgery/ PAIN/ POSTOPERATIVE COMPLICATIONS/ PULMONARY EMBOLISM, etiology/ SURGICAL WOUND INFECTION, drug therapy/ SYNOVIAL MEMBRANE, surgery
4144. Freeman PA, Lee P, Bryson TW: Total hip joint replacement in osteoarthritis and polyarthritis. A statistical study of the results. Clin Orthop 95:224-30, Sep 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ ANTIBIOTICS, therapeutic use/ *ARTHROPLASTY, surgery/ EVALUATION STUDIES/ FEMALE/ FEMORAL FRACTURES, etiology/ FOLLOW-UP STUDIES/ *HIP, surgery/ HIP DISLOCATION, etiology/ HIP JOINT/ HUMAN/ *JOINT PROSTHESIS/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, etiology/ *OSTEOARTHRITIS, surgery/ POSTOPERATIVE COMPLICATIONS/ PULMONARY EMBOLISM, etiology/ SCOTLAND/ STATISTICS/ SURGICAL WOUND INFECTION, etiology/ SURGICAL WOUND INFECTION, prevention & control/ THROMBOPHLEBITIS, etiology
4145. Fregly MJ: Effect of chronic administration of an oral contraceptive on the blood pressure of rats. Toxicol Appl Pharmacol 25:560-8, Aug 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ APPETITE, drug effects/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HEART, drug effects/ IODINE, metabolism/ IODINE RADIOISOTOPES/ KIDNEY, drug effects/ MATHEMATICS/ *MESTRANOL, pharmacodynamics/ *NORETHYNODREL, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ RATS/ THYROID GLAND, drug effects/ TIME FACTORS/ UTERUS, drug effects
4146. Frei E 3d, Luce JK, Gamble JF, et al: Combination chemotherapy in advanced Hodgkin's disease. Induction and maintenance of remission. Ann Intern Med 79:376-82, Sep 73
ADULT/ DRUG THERAPY, COMBINATION/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MALE/ *MECHLORETHAMINE, therapeutic use/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ *PROCARBAZINE, therapeutic use/ REMISSION/ TIME FACTORS/ *VINCISTINE, therapeutic use
4147. Freilha FS, Kavaney PB, Cunningham JJ, et al: Extra-adrenal pheochromocytoma causing renal artery stenosis. Relationship to hypertension and renin levels. Urology 2:303-7, Sep 73
ADULT/ ANTIHYPERTENSIVE AGENTS,

AUTHOR SECTION

- therapeutic use/ AORTOGRAPHY/ BLOOD VOLUME/ HUMAN/ *HYPERTENSION, etiology/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ NOREPINEPHRINE, urine/ PHENOXYBENZAMINE, therapeutic use/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, metabolism/ PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, surgery/ RADIOIMMUNOASSAY/ RENAL ARTERY, pathology/ RENAL ARTERY, radiography/ *RENAL ARTERY OBSTRUCTION, etiology/ RENAL VEINS, radiography/ *RENIN, blood/ VANILMANDELIC ACID, urine
1148. Freinkel N, Dawson RM: Role of inositol cyclic phosphate in stimulated tissues. *Nature* 243:535-7, 29 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ADENYL CYCLASE, metabolism/ CARBON RADIOISOTOPES/ CONCANAVALIN A, pharmacodynamics/ GLUCOSE, metabolism/ IN VITRO/ ISLANDS OF LANGERHANS, metabolism/ KIDNEY, enzymology/ LYMPHOCYTE TRANSFORMATION, drug effects/ *PHOSPHODIESTERASES, metabolism/ *PHOSPHOINOSITIDES, metabolism/ PHOSPHORUS RADIOISOTOPES/ PITUITARY GLAND, metabolism/ PLANT AGGLUTININS, pharmacodynamics/ RATS/ SHEEP/ SOMATOTROPIN, metabolism/ THYROTROPIN, metabolism/ TRITIUM
1149. French SW, Palmer DS: Adrenergic supersensitivity during ethanol withdrawal in the rat. *Res Commun Chem Pathol Pharmacol* 6:651-62, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ DIET/ *DRUG HYPERSENSITIVITY/ *DRUG WITHDRAWAL SYMPTOMS, psychopathology/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ TIME FACTORS
1150. Frenk E: Lokalslerte Odeme der Haut. *Ther Umsch* 30:605-10, Aug 73 (Ger)
*EDEMA, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ LEG DERMATOSES, diagnosis/ LYMPHEDEMA, diagnosis/ MYXEDEMA, diagnosis/ *SKIN DISEASES, diagnosis/ URTICARIA, diagnosis
1151. Frenkel G, Peterson RN, Freund M: The role of adenine nucleotides and the effect of caffeine and dibutyl cyclic AMP on the metabolism of guinea pig epididymal spermatozoa. *Proc Soc Exp Biol Med* 144:420-5, Nov 73
*ADENINE NUCLEOTIDES, metabolism/ ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *CAFFEINE, pharmacodynamics/ CELL MOVEMENT, drug effects/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DRUG INTERACTIONS/ *EPIDIDYMI, cytology/ GLUCOSE, metabolism/ *GLYCOLYSIS, drug effects/ GUINEA PIGS/ MALE/ SPERMATOZOA, cytology/ *SPERMATOZOA, metabolism/ VAS DEFERENS, cytology
1152. Frenkel Z, Gherman G: Valoarea prognostică a determinării metabolismilor androgenici și a corticosteroidelor urinare în cancerul bronhopulmonar. *Stud Cercet Endocrinol* 24:423-9, 1973 (Rum)
ADULT/ AGED/ *ANDROGENS, urine/ *BRONCHIAL NEOPLASMS, urine/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, urine/ *LUNG NEOPLASMS, urine/ MALE/ MIDDLE AGE/ PROGNOSIS
1153. Freundlich E, Suprun H, Braunstein L, et al: Burkitt's lymphoma in an Israeli child. *Isr J Med Sci* 9:1052-4, Aug 73
*BURKITT'S LYMPHOMA, diagnosis/ BURKITT'S LYMPHOMA, drug therapy/ BURKITT'S LYMPHOMA, occurrence/ BURKITT'S LYMPHOMA, surgery/ BURKITT'S LYMPHOMA VIRUS, immunology/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ GASTROINTESTINAL NEOPLASMS, pathology/ HUMAN/ ISRAEL/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, surgery
1154. Frey H: Mestoranum. Hvilken berettigelse har dette androgen steroid. *Tidsskr Nor Lægeforen* 93:1163-4, 30 May 73 (Nor)
ADMINISTRATION, ORAL/ ANDROGENS, pharmacodynamics/ *ANDROGENS, therapeutic use/ DEPRESSION, CHEMICAL/ HUMAN/ HYPOGONADISM, drug therapy/ IMPOTENCE, drug therapy/ LH, blood/ MALE/ PITUITARY GLAND, drug effects/ TESTOSTERONE, blood/ TIME FACTORS
1155. Frick MH, Huttunen JK, Härkönen M: Impaired chronotropic response to beta-stimulation in chronic coronary artery disease. *Am J Med* 55:571-5, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ANGIOCARDIOGRAPHY/ ARRHYTHMIA, etiology/ *ARRHYTHMIA, psychopathology/ ARRHYTHMIA, therapy/ ATROPINE, therapeutic use/ CATECHOLAMINES, blood/ *CORONARY DISEASE, complications/ EXERTION/ GLUCAGON, pharmacodynamics/ HEART FUNCTION TESTS/ *HEART RATE/ HEART RATE, drug effects/ HEMODYNAMICS/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MALE/ MIDDLE AGE/ PROPRANOLOL, therapeutic use/ RECEPTORS, ADRENERGIC
1156. Fridman FE, Brovkina AF, Kruzhkova GV: Ul'trazvukovaya diagnostika opukholei orbity i nekotorykh zabolevaniĭ ikh stimuliruiushchikh. *Oftalmol Zb* 27:495-8, 1972 (Rus)
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *EXOPHTHALMOS, diagnosis/ FEMALE/ HUMAN/ MALE/ OPHTHALMODYNAMOMETRY/ *ORBITAL NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use
1157. Friedenber ZB, Harlow MC, Heppenstall RB, et al: The cellular origin of bioelectric potentials in bone. *Calcif Tissue Res* 13:53-62, 1973
ACETAMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BONE AND BONES, blood supply/ BONE AND BONES, drug effects/ BONE AND BONES, innervation/ *BONE AND BONES, physiology/ DINITROPHENOLS, pharmacodynamics/ *ELECTRICITY/ ELECTRODES/ MALE/ RABBITS/ SILVER/ TIBIA/ ULTRASONICS
1158. Friedenson B, Appella E, Takeda Y, et al: Immunoglobulin G antibodies from an individual rabbit in which several heavy chain variants are paired with one light chain sequence. *J Biol Chem* 248:7073-9, 25 Oct 73
ALKYLATION/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ AZO COMPOUNDS/ BENZOATES/ CYANOGEN BROMIDE/ CYSTEINE, analysis/ DISULFIDES/ GENETICS/ HYDROGEN-ION CONCENTRATION/ *IGG, analysis/ *IMMUNOGLOBULIN FRAGMENTS, analysis/ IMMUNOGLOBULIN FRAGMENTS, isolation & purification/ IODINE RADIOISOTOPES/ ISOELECTRIC FOCUSING/ METHIONINE/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ RABBITS, immunology/ THIOHYDANTOINS
1159. Friedman E, Friedman J, Gershon S: Dopamine synthesis: stimulation by a hypothalamic factor. *Science* 182:831-2, 23 Nov 73

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CORPUS STRIATUM, metabolism/ *DOPAMINE, biosynthesis/ GLYCINE, pharmacodynamics/ HYPOPHYSECTOMY/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, metabolism/ LEUCINE, pharmacodynamics/ MALE/ *MSH, antagonists & inhibitors/ NOREPINEPHRINE, biosynthesis/ *OLIGOPEPTIDES, pharmacodynamics/ PEPTIDES, isolation & purification/ PROLINE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TISSUE EXTRACTS, isolation & purification/ TISSUE EXTRACTS, pharmacodynamics/ TRITIUM/ TYROSINE, metabolism
80. Friedmann PS, Marten RH: Juvenile dermatomyositis. Proc R Soc Med 66:824, Jul 73
ADOLESCENCE/ CASE REPORT/ CREATINE KINASE, blood/ *DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, enzymology/ HUMAN/ MALE/ *PREDNISOLONE, therapeutic use
81. Friedrich U, Nielsen J: Chromosome studies in 5,049 consecutive newborn children. Cln Genet 4:333-43, 1973
ADULT/ *CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, familial & genetic/ CHROMOSOME ABNORMALITIES, occurrence/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 4-5/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 19-20/ CHROMOSOMES, HUMAN, 21-22/ DENMARK/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ LYMPHOCYTES, cytology/ MALE/ MATERNAL AGE/ MIDDLE AGE/ MOSAICISM/ PREGNANCY/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOME ABNORMALITIES, occurrence/ SEX FACTORS
82. Friend DW: Influence of dietary amino acids on the age at puberty of Yorkshire gilts. J Anim Sci 37:701-7, Sep 73
ADMINISTRATION, ORAL/ AGE FACTORS/ *AMINO ACIDS, administration & dosage/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT/ DIET/ ESTRUS/ FEMALE/ LYSINE, administration & dosage/ METHIONINE, administration & dosage/ *PUBERTY/ *SWINE, physiology/ TRYPTOPHAN, administration & dosage
83. Frisch-Niggemeyer W: Investigations on the dynamics of the reaction between tick-borne encephalitis virus and its specific receptor substance. Acta Virol (Praha) 17:384-90, Sep 73
ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS, VIRAL/ BRAIN/ CALCIUM, metabolism/ *ENCEPHALITIS VIRUSES, TICK-BORNE, drug effects/ ENCEPHALITIS VIRUSES, TICK-BORNE, immunology/ ERYTHROCYTES, immunology/ HEMAGGLUTINATION INHIBITION TESTS/ HEMAGGLUTINATION TESTS/ HYDROGEN-ION CONCENTRATION/ MICE/ MONKEYS/ *PHOSPHOINOSITIDES, pharmacodynamics/ PIGEONS, immunology/ POLYMERS, pharmacodynamics/ PROTAMINES, pharmacodynamics/ RECEPTORS, DRUG/ STREPTOMYCIN, pharmacodynamics/ TEMPERATURE/ TIME FACTORS/ TISSUE EXTRACTS, pharmacodynamics
84. Fröhlich A, Dzialiszynski LM: Insulin dependence of milk formation and lactose biosynthesis. Cln Chim Acta 47:33-8, 17 Aug 73
ACETONE, urine/ ALLOXAN DIABETES, enzymology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ COMPARATIVE STUDY/ FEMALE/ GLUCOSE/ GLYCOSURIA/ *INSULIN, pharmacodynamics/ LACTATION/ *LACTOSE, biosynthesis/ MAMMAE, drug effects/ *MAMMAE, enzymology/ MILK, drug effects/ *MILK, metabolism/ NUCLEOTIDYLTRANSFERASES, metabolism/ ORGAN WEIGHT/ PHOSPHOGLUCOMUTASE, metabolism/ PREGNANCY/ PYROPHOSPHATASES, metabolism/ RATS/ TIME FACTORS/ URIDINE DIPHOSPHATE SUGARS
1165. Fröllich M, Bruning PF, Moolenaar AJ: Radioimmunoassay of aldosterone in adrenal venous effluent in a case of Conn's syndrome. Cln Chim Acta 47:277-81, 30 Aug 73
ADENOMA, blood/ ADENOMA, surgery/ ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLAND NEOPLASMS, surgery/ *ADRENAL GLANDS, secretion/ *ALDOSTERONE, blood/ ALDOSTERONE, secretion/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, blood/ IMMUNE SERUMS/ MIDDLE AGE/ PHLEBOGRAPHY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SODIUM/ TIME FACTORS/ TRITIUM
1166. Froman C, Delien J van, Lipschitz R, et al: Experience with meningiomas in the Transvaal African. Afr J Med Sci 4:289-92, Jul 73
ADULT/ BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, surgery/ CAROTID ARTERIES, radiography/ EPILEPSY, etiology/ EXOPHTHALMOS, etiology/ FEMALE/ FUNDUS OCULI/ HEAD INJURIES, complications/ HUMAN/ MALE/ MENINGIOMA, complications/ *MENINGIOMA, diagnosis/ MENINGIOMA, pathology/ MENINGIOMA, surgery/ MIDDLE AGE/ OPTIC ATROPHY, etiology/ PAPILLEDEMA, etiology/ PARALYSIS, etiology/ SOUTH AFRICA/ VISION DISORDERS, etiology
1167. Frost P, Giegei JL, Weinstein GD, et al: Biodynamic studies of hamster flank organ growth: hormonal influences. J Invest Dermatol 61:159-67, Sep 73
*ANDROGENS, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CASTRATION/ EXOCRINE GLANDS, cytology/ EXOCRINE GLANDS, drug effects/ *EXOCRINE GLANDS, growth & development/ FEMALE/ HAMSTERS/ MALE/ METHYLTESTOSTERONE, pharmacodynamics/ MICROSCOPY, ELECTRON/ PIGMENTATION/ PROGESTERONE, pharmacodynamics/ SEBACEOUS GLANDS, cytology/ SEBACEOUS GLANDS, drug effects/ SEBACEOUS GLANDS, growth & development/ STANOLONE, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM
1168. Fruhman GJ: Peritoneal macrophages in male and female mice. J Reticuloendothel Soc 14:371-9, Oct 73
ANIMAL EXPERIMENTS/ *ASCITIC FLUID, cytology/ CARBON/ CELL COUNT/ ESTRADIOL, pharmacodynamics/ FEMALE/ LYMPHOCYTES, immunology/ MACROPHAGES, drug effects/ *MACROPHAGES, immunology/ MALE/ MICE/ *PHAGOCYTOSIS, drug effects/ SEX FACTORS/ SPECTROPHOTOMETRY
1169. Fry WJ, Ernst CB, Stanley JC, et al: Renovascular hypertension in the pediatric patient. Arch Surg 107:892-8, Nov 73
ADOLESCENCE/ ANGIOGRAPHY/ CHILD/ CHILD, PRESCHOOL/ COLLATERAL CIRCULATION/ DILATATION/ FEMALE/ FIBROUS DYSPLASIA OF BONE, complications/ HUMAN/ *HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, radiography/ *HYPERTENSION, RENAL, surgery/ INFANT/ KIDNEY DISEASES, complications/ MALE/ NEUROFIBROMATOSIS, complications/ RENAL ARTERY OBSTRUCTION, etiology/ RENAL ARTERY OBSTRUCTION, radiography/ *RENAL ARTERY OBSTRUCTION, surgery/ RENAL

AUTHOR SECTION

- VEINS, analysis/ RENIN, blood/ SAPHEOUS VEIN, surgery/ SKIN NEOPLASMS, complications/ UROGRAPHY
1170. Fryberg M, Oehlschlager AC, Unrau AM: Biosynthesis of ergosterol in yeast. Evidence for multiple pathways. *J Am Chem Soc* 95:5747-57, 22 Aug 73
BIOTRANSFORMATION/ CARBON RADIOISOTOPES/ ERGOSTEROL, analysis/ *ERGOSTEROL, biosynthesis/ LANOSTEROL, metabolism/ SACCHAROMYCES CEREVISIAE, analysis/ *SACCHAROMYCES CEREVISIAE, metabolism/ STEROLS, metabolism/ TRITIUM
1171. Fuchs G, Ströder J: Zur Frage der krankheitsspezifischen Lungenveränderungen bei Rachitis.
Monatsschr Kinderheilkd 121:368-9, Jul 73 (Ger)
ANIMAL EXPERIMENTS/ HUMAN/ INFANT/ *LUNG DISEASES, etiology/ LUNG DISEASES, radiography/ RATS/ *RICKETS, complications/ RICKETS, radiography
1172. Fuertes-de la Haba A, Bangdiwala IS, Pelegrina I: Success of randomization in a controlled contraceptive experiment.
J Reprod Med 11:142-8, Oct 73
ADULT/ AGE FACTORS/ BREAST NEOPLASMS, chemically induced/ *CONTRACEPTIVE DEVICES/ *CONTRACEPTIVES, ORAL, adverse effects/ EDUCATIONAL STATUS/ FAMILY CHARACTERISTICS/ FEMALE/ GYNECOLOGIC NEOPLASMS, chemically induced/ HUMAN/ INCOME/ MESTRANOL, adverse effects/ METHODS/ NORETHYNDREL, adverse effects/ OCCUPATIONS/ PARITY/ PROBABILITY/ *PROSPECTIVE STUDIES/ PUERTO RICO/ RESEARCH DESIGN/ STATISTICS/ TIME FACTORS
1173. Fuge H: Verteilung der Mikrotubuli in Metaphase- und Anaphase-Spindeln der Spermatocyten von *Pales ferruginea*. Eine quantitative Analyse von Serienquerschnitten.
Chromosoma 43:109-43, 10 Aug 73 (Ger)
ANIMAL EXPERIMENTS/ BIOMETRY/ *CHROMOSOMES/ *DIPTERA, cytology/ ENGLISH ABSTRACT/ MALE/ MICROSCOPY, ELECTRON/ *MICROTUBULES/ MITOCHONDRIA/ *MITOSIS/ SEX CHROMOSOMES/ *SPERMATOOZOA, cytology
1174. Fügner A: Hemmung immunologisch bedingter entzündungen durch das Pflanzensteroid Withaferin.
Arzneim Forsch 23:932-5, Jul 73 (Ger)
ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ARTHRITIS, chemically induced/ *ARTHRITIS, drug therapy/ AZATHIOPRINE, pharmacodynamics/ CHICK EMBRYO/ CHICKENS/ CHOLESTANES, pharmacodynamics/ *CHOLESTANES, therapeutic use/ CYCLOPHOSPHAMIDE, pharmacodynamics/ ENGLISH ABSTRACT/ GRAFT VS HOST REACTION, drug effects/ HYDROXYSTEROIDS, pharmacodynamics/ HYDROXYSTEROIDS, therapeutic use/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LACTONES, pharmacodynamics/ LACTONES, therapeutic use/ LYMPHOCYTES/ MALE/ PREDNISOLONE, pharmacodynamics/ RATS
1175. Fujimori M, Trusty DM, Himwich HE: Delta 9-tetrahydrocannabinol: electroencephalographic changes and autonomic responses in the rabbit.
Life Sci 12:553-63, 15 Jun 73
AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ *AUTONOMIC NERVOUS SYSTEM, drug effects/ BLOOD PRESSURE, drug effects/ *CANNABIS, pharmacodynamics/ CAUDATE NUCLEUS, drug effects/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, physiology/ COMPUTERS, DIGITAL/ CORTICAL SYNCHRONIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ LIMBIC SYSTEM, drug effects/ MOTOR CORTEX, drug effects/ RABBITS/ TETRAHYDROCANNABINOL, pharmacodynamics/ THALAMUS, drug effects/ TIME FACTORS
1176. Fujimoto S, Pahlavan N, Dukelow WR: A simplified method for the determination of the blastomere numbers in preimplantation rabbit blastocysts.
J Reprod Fertil 34:369-73, Aug 73
ANIMAL EXPERIMENTS/ CELL COUNT/ CHROMOSOME ABNORMALITIES, diagnosis/ CORPUS LUTEUM/ CYTOGENETICS/ FEMALE/ METHODS/ MITOSIS/ *OVUM, cytology/ RABBITS
1177. Fujino M, Shinagawa S, Obayashi M, et al: Further studies on the structure-activity relationships in the C-terminal part of luteinizing hormone-releasing hormone. *J Med Chem* 16:1144-7, Oct 73
AMIDES, chem synthesis/ AMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FSH, metabolism/ IN VITRO/ LH, metabolism/ *LH-FSH RELEASING HORMONE, chem synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ OPTICAL ROTATION/ OVULATION, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP
1178. Fujita T, Orlimo H, Oata M, et al: Loss of immunoreactivity of human serum parathyroid hormone by the action of rat kidney enzyme preferentially hydrolyzing parathyroid hormone.
Horm Res 4:213-8, 1973
ANIMAL EXPERIMENTS/ *ANTIGEN-ANTIBODY REACTIONS, drug effects/ CHLOROMERCURIBENZOATES, pharmacodynamics/ EDTA, pharmacodynamics/ GUINEA PIGS, immunology/ HEAT/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ IODINE RADIOISOTOPES/ IODOACETATES, pharmacodynamics/ KIDNEY, enzymology/ KIDNEY, immunology/ *PARATHYROID HORMONE/ PHENANTHROLINES, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS
1179. Fuller RW, Molloy BB: Effects of N-cyclopropyl-4-chloroamphetamine on brain serotonin metabolism in rats.
Res Commun Chem Pathol Pharmacol 6:407-18, Sep 7
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ BRAIN, enzymology/ *BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ CHLORINE, pharmacodynamics/ CYCLOPROPANE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ IN VITRO/ KINETICS/ MALE/ MITOCHONDRIA, metabolism/ MONOAMINE OXIDASE, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS
1180. Funder JW, Duval D, Meyer P: Cardiac glucocorticoid receptors: the binding of tritiated dexamethasone in rat and dog heart. *Endocrinology* 93:1300-8, Dec 73
ADRENALECTOMY/ ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, metabolism/ CYTOPLASM, metabolism/ CYTOSOL, metabolism/ *DEXAMETHASONE, metabolism/ DOGS/ ESTRADIOL, metabolism/ MALE/ *MYOCARDIUM, metabolism/ PROGESTERONE, metabolism/ *PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TRITIUM
1181. Furberg C, Ringqvist I: Achilles reflex time and sympathetic tone. *Ups J Med Sci* 78:89-92, 1973
*ACHILLES TENDON, physiopathology/ ADULT/ ASTHENIA, physiopathology/ BASAL METABOLISM/ BLOOD PROTEINS,

AUTHOR SECTION

- metabolism/ EXERTION/ FEMALE/ HUMAN/
*HYPERPARATHYROIDISM, physiopathology/
IODINE, blood/ MALE/ METHODS/ MIDDLE
AGE/ *PROPRANOLOL, pharmacodynamics/
PROTEIN BINDING/ PULSE/ *REFLEX, drug
effects/ *REFLEX, TENDON/ SMOKING,
physiopathology/ STIMULATION, CHEMICAL/
SYMPATHETIC NERVOUS SYSTEM, drug
effects/ *SYMPATHETIC NERVOUS SYSTEM,
physiopathology/ TIME FACTORS/
*VASCULAR DISEASES, physiopathology
82. Furlanut M, Carpenedo F, Ferrari M: Effects of some
isoquinoline compounds and certain derivatives on
brain phosphodiesterase activity.
Biochem Pharmacol 22:2642-4, 15 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ANIMAL EXPERIMENTS/
BENZYL COMPOUNDS, pharmacodynamics/
*BRAIN, enzymology/ BRAIN CHEMISTRY,
drug effects/ GUINEA PIGS/ HYDROLYSIS/
IN VITRO/ *ISOQUINOLINES,
pharmacodynamics/ MUSCLES, drug effects/
PHOSPHATES, metabolism/
*PHOSPHODIESTERASES, antagonists &
inhibitors/ PYRIMIDINES, pharmacodynamics
83. Fürst A, Labler L, Meler W, et al: Synthese von 1
alpha-Hydroxycholecalciferol.
Helv Chim Acta 56:1708-19, 1973 (Ger)
ENGLISH ABSTRACT/
*HYDROXYCHOLECALCIFEROL, chem
synthesis/ NUCLEAR MAGNETIC
RESONANCE/ OPTICAL ROTATION/
SPECTROPHOTOMETRY, ULTRAVIOLET
84. Furth J, Moy P, Hershman JM, et al: Thyrotropic tumor
syndrome. A multiglandular disease induced by
sustained deficiency of thyroid hormones.
Arch Pathol 96:217-26, Oct 73
ADENOMA, pathology/ *ADENOMA,
physiopathology/ CELL TRANSFORMATION,
NEOPLASTIC/ *ENDOCRINE DISEASES,
etiology/ FEMALE/ *GONADOTROPINS,
PITUITARY, secretion/ HYPERTROPHY,
pathology/ HYPOTHYROIDISM, complications/
MALE/ MICE/ PITUITARY GLAND, secretion/
PITUITARY GLAND, transplantation/
PITUITARY NEOPLASMS, pathology/
*PITUITARY NEOPLASMS, physiopathology/
RABBITS, immunology/ RATS/
SOMATOTROPIN, secretion/ STAINS AND
STAINING/ SYNDROME/ THYROID
HORMONES, secretion/ THYROID
NEOPLASMS, etiology/ THYROIDECTOMY/
THYROTROPIN, blood/ *THYROTROPIN,
secretion
85. Fydrık J: An attempt to specify indications for
cytostatic treatment of the nephrotic syndrome in
children on the basis of histopathological and
histochemical examinations of the kidneys.
Beitr Pathol 149:23-38, May 73
BIOPSY, NEEDLE/ CHILD/
*CYCLOPHOSPHAMIDE, therapeutic use/
DNA, biosynthesis/ GLOMERULONEPHRITIS,
diagnosis/ *GLOMERULONEPHRITIS, drug
therapy/ GLOMERULONEPHRITIS, metabolism/
GLOMERULONEPHRITIS, pathology/
HISTOCYTOCHEMISTRY/ HUMAN/ KIDNEY
GLOMERULUS, metabolism/ KIDNEY
GLOMERULUS, pathology/ KIDNEY TUBULES,
PROXIMAL, metabolism/ NEPHROTIC
SYNDROME, diagnosis/ *NEPHROTIC
SYNDROME, drug therapy/ NEPHROTIC
SYNDROME, metabolism/ NEPHROTIC
SYNDROME, pathology/ PHOTOMETRY/
*PREDNISONE, therapeutic use/ PROTEINS,
urine/ RNA, biosynthesis/ STAINS AND
STAINING
- G
88. Gaede K, Rodríguez P: Formation of retinol (alpha,
beta-32P) pyrophosphate with (gamma-32P) ATP
catalysed by whole homogenates of rat thyroid.
Biochem Biophys Res Commun 54:76-81, 5 Sep 73
ADENOSINE TRIPHOSPHATE, metabolism/
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CELLULOSE/
CHROMATOGRAPHY/ GALACTOSE,
metabolism/ GLYCOSIDES, biosynthesis/
ISOTOPE LABELING/ ORGANOPHOSPHORUS
COMPOUNDS, biosynthesis/ PHOSPHORUS
RADIOISOTOPES/ *PYROPHOSPHORIC ACIDS,
biosynthesis/ RATS/ *THYROID GLAND,
metabolism/ TIME FACTORS/ TRITIUM/
URIDINE DIPHOSPHATE SUGARS,
metabolism/ *VITAMIN A, biosynthesis
1187. Gallani S, Minowada J, Silvernail P, et al: Specific
glucocorticoid binding in human hemopoietic cell
lines and neoplastic tissue.
Cancer Res 33:2653-7, Nov 73
*BURKITT'S LYMPHOMA, metabolism/ CELL
LINE/ HUMAN/ HYDROCORTISONE,
pharmacodynamics/ *LEUKEMIA, metabolism/
LEUKEMIA, LYMPHOBLASTIC, metabolism/
LEUKEMIA, LYMPHOCYTIC, metabolism/
LEUKEMIA, MYELOBLASTIC, metabolism/
LEUKEMIA, MYELOCYTIC, metabolism/
*LEUKOCYTES, metabolism/
*LYMPHOSARCOMA, metabolism/
MACROMOLECULAR SYSTEMS/ MULTIPLE
MYELOMA, metabolism/ *PROTEIN BINDING/
*RECEPTORS, HORMONE/ SUBCELLULAR
FRACTIONS, metabolism/ *TRIAMCINOLONE,
metabolism/ TRITIUM
1188. Gaines TB, Kimbrough RD, Linder RE: The toxicity of
amitrole in the rat.
Toxicol Appl Pharmacol 26:118-29, Sep 73
AMITROLE, blood/ AMITROLE, toxicity/
ANIMAL EXPERIMENTS/ BODY WEIGHT,
drug effects/ DIET/ FEMALE/ *HERBICIDES,
toxicity/ HYPERPLASIA, chemically induced/
INTUBATION, GASTROINTESTINAL/ KIDNEY,
drug effects/ LIVER, drug effects/ MALE/
MICROSCOPY, ELECTRON/ ORGAN WEIGHT/
PYELONEPHRITIS, chemically induced/
RATS/ REPRODUCTION, drug effects/ SEX
FACTORS/ SKIN DISEASES, chemically
induced/ SPLEEN, drug effects/ THYROID
GLAND, drug effects/ *TRIAZOLES, toxicity
1189. Gajdošová D, Sedlák P, Papleníková E, et al: Zrovnání
röntgenových a elektrografických obrazov
amygdalohippocampového komplexu u epileptiků.
Česk Neurol 36:377-81, Nov 73 (Slo)
ADOLESCENCE/ ADULT/ *AMYGDALOID
BODY, radiography/ COMPARATIVE STUDY/
ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ *EPILEPSY, diagnosis/
EPILEPSY, radiography/ EPILEPSY,
TEMPORAL LOBE, diagnosis/ FEMALE/
*HIPPOCAMPUS, radiography/ HUMAN/ MALE
1190. Gala RR: Prolactin production by monkey (Macaca
mulatta) anterior pituitaries cultured in vitro.
Horm Res 4:157-68, 1973
ANIMAL EXPERIMENTS/ ANTIBODY
FORMATION/ BIRDS/ CELLS, CULTURED/
CROSS REACTIONS/ ELECTROPHORESIS,
DISC/ FEMALE/ HEMORRHAGE/
LACTATION/ MACACA/ MALE/ MONKEYS/
*PITUITARY GLAND, metabolism/
*PROLACTIN, biosynthesis/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ SEX
FACTORS/ SOMATOTROPIN/ TIME FACTORS
1191. Galante L, Colston KW, Evans IM, et al: The regulation
of vitamin D metabolism. Nature 244:438-40, 17 Aug 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/
CALCIUM, pharmacodynamics/ CHICKENS/
DIHYDROXYCHOLECALCIFEROLS,
metabolism/ GEL FILTRATION/
HYDROXYCHOLECALCIFEROL, metabolism/
HYDROXYLASES, metabolism/ KIDNEY,
enzymology/ PARATHYROID GLANDS,
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VITAMIN D, pharmacodynamics/ VITAMIN D
DEFICIENCY, metabolism
1192. Galfalan VT, Vasil'ev VK, Zakharian RA, et al: Vliianie
deksametazona na sodержanie 5-metilitsitozina i
stepen' sblochennosti pirimidinov v DNK pečeni
krys. Dokl Akad Nauk SSSR 212:992-5, 1 Oct 73 (Rus)
ANIMAL EXPERIMENTS/ *CYTOSINE,
metabolism/ *DEXAMETHASONE,

AUTHOR SECTION

- pharmacodynamics/ *DNA, metabolism/
*LIVER, drug effects/ METHYLATION/
OLIGONUCLEOTIDES, metabolism/
PYRIMIDINE NUCLEOTIDES, metabolism/
RATS/ SPLEEN, drug effects
1193. Galli FE, Irusta O, Wassermann GF: Androgen production by testes of *Gallus domesticus* during postembryonic development.
Gen Comp Endocrinol 21:282-6, Oct 73
AGE FACTORS/ ALGESTONE
ACETOPHENIDE, secretion/ *ANDROGENS, secretion/ ANDROSTENEDIONE, secretion/
ANIMAL EXPERIMENTS/ *CHICKENS, growth & development/ HYDROXYPROGESTERONE, secretion/ IN VITRO/ MALE/
PREGNENOLONE, metabolism/
PROGESTERONE, metabolism/ *TESTIS, physiology/ TESTOSTERONE, secretion
1194. Galli FE, Wassermann GF: Letter: Testosterone 3H metabolism by urogenital structures of 10-day-old chick embryos. Acta Physiol Lat Am 23:148-51, 1973
ANIMAL EXPERIMENTS/ *CHICK EMBRYO, metabolism/ *TESTIS, metabolism/
*TESTOSTERONE, metabolism/ TRITIUM/
UROGENITAL SYSTEM, embryology/
*UROGENITAL SYSTEM, metabolism
1195. Gálvez Failde JM, Pérez de Heredia JL, Ferrer Peralta M, et al: Nuestra experiencia con las nuevas técnicas para el tratamiento de la osteoporosis.
Rev Clin Esp 130:325-30, 31 Aug 73 (Spa)
AGED/ CALCITONIN, adverse effects/
*CALCITONIN, therapeutic use/ ENGLISH
ABSTRACT/ EVALUATION STUDIES/
HUMAN/ *OSTEOPOROSIS, drug therapy
1196. Gammili SL, Weichert R, Smith SL, et al: Carcinoid-islet cell tumors.
Acta Radiol [Ther] (Stockh) 12:229-40, Jun 73
ADULT/ AGED/ ANGIOGRAPHY/
*CARCINOID TUMOR, diagnosis/ CARCINOID TUMOR, pathology/ CARCINOID TUMOR, physiotherapy/ CELIAC ARTERY, radiography/ CYTOPLASMIC GRANULES/
*DUODENAL NEOPLASMS, diagnosis/
DUODENAL NEOPLASMS, pathology/
FEMALE/ GASTRIN, secretion/ HUMAN/
INSULIN, secretion/ *ISLET CELL TUMOR, diagnosis/ ISLET CELL TUMOR, pathology/
ISLET CELL TUMOR, physiotherapy/
MALE/ MESENTERIC ARTERIES, radiography/
MICROSCOPY, ELECTRON/ MIDDLE AGE/
*PANCREATIC NEOPLASMS, diagnosis/
PANCREATIC NEOPLASMS, pathology/
SEROTONIN, secretion/
*ZOLLINGER-ELLISON SYNDROME, diagnosis/
ZOLLINGER-ELLISON SYNDROME, physiotherapy
1197. Gammili SL, Weichert R: Common origin for all neuroendocrine tumors.
Acta Radiol [Ther] (Stockh) 12:321-8, Aug 73 (30 ref.)
ADENOMA, physiotherapy/ ADENOMATOSIS, FAMILIAL ENDOCRINE, physiotherapy/
ADRENAL GLAND NEOPLASMS, physiotherapy/ CARCINOID TUMOR, physiotherapy/ CORTICOTROPIN, secretion/
DUODENAL NEOPLASMS, physiotherapy/
GASTROINTESTINAL HORMONES, secretion/
HUMAN/ INSULIN, secretion/ ISLET CELL TUMOR, physiotherapy/ KALLIKREIN, secretion/
LUNG NEOPLASMS, physiotherapy/ NEOPLASMS, NERVOUS TISSUE, pathology/ *NEOPLASMS, NERVOUS TISSUE, physiotherapy/ NEUROHUMORS, secretion/
NOMENCLATURE/ PANCREATIC NEOPLASMS, physiotherapy/
PARAGANGLIOMA, NONCHROMAFFIN, physiotherapy/ PARATHYROID NEOPLASMS, physiotherapy/ PITUITARY NEOPLASMS, physiotherapy/ REVIEW/ THYROID NEOPLASMS, physiotherapy/ WERNER'S SYNDROME, physiotherapy/
ZOLLINGER-ELLISON SYNDROME, physiotherapy
1198. Gandelman R, Davis PG: Spontaneous and testosterone-induced pup killing in female Rockland-Swiss mice: the effect of lactation and the presence of young. Dev Psychobiol 6:251-7, May 73
*AGGRESSION/ AGGRESSION, drug effects/
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *ANIMALS, NEWBORN/ BODY WEIGHT/ *EATING/ FEMALE/ HOUSING, ANIMAL/ *LACTATION/ *MATERNAL BEHAVIOR/ MATERNAL BEHAVIOR, drug effects/ MICE/ NESTING BEHAVIOR/ PREGNANCY/ PREGNANCY, ANIMAL/ PROPIONATES/ *SOCIAL BEHAVIOR/ TESTOSTERONE, pharmacodynamics/ WEANING
1199. Gandz AS: Gruppovaya profilaktika endemicheskogo zoba u detei. Pediatrila 51:45, May 73 (Rus)
CHILD/ CHILD HEALTH SERVICES/ FEMALE/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ MALE/ MASS SCREENING/ SCHOOL HEALTH/ USSR
1200. Gäng V, Collins EN von: Inhibition of pyridoxal kinase from rat liver in vitro by aromatic and aliphatic amines. Int J Vitam Nutr Res 43:318-23, 1973
*AMINES/ *AMINO ACIDS/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CADAVERINE/ CHRONIC DISEASE/ FEMALE/ HISTAMINE/ *LIVER, enzymology/ LIVER DISEASES, enzymology/
*PHOSPHOTRANSFERASES, ATP, antagonists & inhibitors/ PHOSPHOTRANSFERASES, ATP, metabolism/ PUTRESCINE/ PYRIDOXAL/ PYRIDOXINE, metabolism/ RATS/
SEROTONIN/ SPERMIDINE/ SPERMINE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRYPTAMINES/ TYRAMINE
1201. Ganguly A, Melada GA, Luetscher JA, et al: Control of plasma aldosterone in primary aldosteronism: distinction between adenoma and hyperplasia. J Clin Endocrinol Metab 37:765-75, Nov 73
ADENOMA, blood/ *ALDOSTERONE, blood/ CIRCADIAN RHYTHM/ CORTICOTROPIN, diagnostic use/ DEXAMETHASONE, diagnostic use/ DIET/ FEMALE/ HUMAN/
HYDROCORTISONE, blood/
*HYPERALDOSTERONISM, blood/
HYPERPLASIA, blood/ MALE/ POSTURE/ RENIN, blood/ SODIUM, diagnostic use/ SPIRONOLACTONE, diagnostic use
1202. Ganguly AK, Bhatnagar OP: Effect of bilateral adrenalectomy on production of restraint ulcers in the stomach of albino rats.
Can J Physiol Pharmacol 51:748-50, Oct 73
*ADRENAL GLANDS, physiotherapy/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ FEMALE/ FOOD DEPRIVATION/ MALE/
*PEPTIC ULCER, etiology/ PEPTIC ULCER, physiotherapy/ RATS/ *STRESS, complications/ TIME FACTORS
1203. Ganina KP, Ishchenko MP, Barash LS: Analiz rezul'tatov lecheniya raka molochnoi zhelezy pod kontrolom testa "polovoi khromatin".
Klin Khir 1:29-34, Jan 73 (Rus)
BREAST NEOPLASMS, familial & genetic/
BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/
MALE/ POSTOPERATIVE CARE/ *SEX CHROMATIN, analysis
1204. Garcia Webb P, Briggs MH: Letter: Breast cancer regression under oestrogen therapy.
Br Med J 4:419-20, 17 Nov 73
ANIMAL EXPERIMENTS/ *BREAST NEOPLASMS, drug therapy/ CLONE CELLS/
*ESTROGENS, therapeutic use/ FEMALE/
HUMAN/ MALE/ PROLACTIN, secretion
1205. Gardner DG, Wittliff JL: Characterization of a distinct glucocorticoid-binding protein in the lactating mammary gland of the rat.
Biochim Biophys Acta 320:617-27, 5 Oct 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ CHLOROMERCURIBENZATES, pharmacodynamics/ COMPARATIVE STUDY/ COMPUTERS, DIGITAL/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ ESTRADIOL,

AUTHOR SECTION

- pharmacodynamics/ FEMALE/
HYDROCORTISONE, pharmacodynamics/
KINETICS/ *LACTATION/ MAMMAE,
cytology/ MAMMAE, drug effects/ *MAMMAE,
metabolism/ MOLECULAR WEIGHT/
PREGNANCY/ PROGESTERONE,
pharmacodynamics/ PROTEIN BINDING/
PROTEINS, analysis/ PROTEINS, metabolism/
RATS/ *TRIAMCINOLONE ACETONIDE,
metabolism/ TRITIUM
06. Gardner LI: Letter: Pseudo-Beckwith-Wiedemann
syndrome: interaction with maternal diabetes.
Lancet 2:911-2, 20 Oct 73
*ABNORMALITIES, MULTIPLE/
ADOLESCENCE/ ADRENAL GLAND
DISEASES/ *CARBOHYDRATE METABOLISM,
INBORN ERRORS/ EAR, EXTERNAL,
abnormalities/ FEMALE/ GENES, DOMINANT/
HUMAN/ KIDNEY DISEASES/ MALE/
OBESITY, familial & genetic/ PREGNANCY/
*PREGNANCY IN DIABETES/ *TONGUE,
abnormalities/ UMBILICAL HERNIA,
congenital/ UMBILICUS, abnormalities
07. Garg BD, Szabo S, Tuchweber B, et al: Ultrastructural
changes induced by pregnenolone-16
alpha-carbonitrile in the hepatocytes of
thyro-parathyroidectomized and L-thyroxine-treated
rats. Horm Res 4:53-64, 1973
ANIMAL EXPERIMENTS/ BODY WEIGHT,
drug effects/ ENDOPLASMIC RETICULUM,
drug effects/ FEMALE/ *LIVER, cytology/
LIVER, drug effects/ MICROSCOPY,
ELECTRON/ ORGAN WEIGHT/ PARALYSIS,
chemically induced/ PARATHYROID GLANDS,
physiology/ *PREGNENOLONE
CARBONITRILE, pharmacodynamics/ RATS/
THYROID GLAND, physiology/
THYROIDECTOMY/ *THYROXINE,
pharmacodynamics/ ZOAZOLAMINE
08. Garrett J, Branco D: Indirect sympathomimetic actions
of epsilon-aminocaproic acid (EACA): role of the
adrenal medulla.
Arch Int Pharmacodyn Ther 204:252-9, Aug 73
ADIPOSE TISSUE, metabolism/ ADRENAL
GLANDS, drug effects/ *ADRENAL
MEDULLA, physiology/ *AMINOCAPROIC
ACID, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BLOOD PRESSURE, drug
effects/ BLOOD SUGAR/ CATECHOLAMINES,
blood/ DOGS/ EPINEPHRINE, blood/ FATTY
ACIDS, NONESTERIFIED, metabolism/ HEART
RATE, drug effects/ IN VITRO/ LIPIDS,
metabolism/ MALE/ MENTERY, metabolism/
NOREPINEPHRINE, blood/ PERFUSION/
POLYAMINES, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/
RESERPINE, pharmacodynamics/
*SYMPATHOMIMETICS, pharmacodynamics/
TIME FACTORS/ UREA, pharmacodynamics
09. Garrow JS: Diet and obesity.
Proc R Soc Med 66:642-4, Jul 73
ADOLESCENCE/ BASAL METABOLISM/
*DIET/ DIET, REDUCING/ FEMALE/ FOOD
HABITS/ HUMAN/ MALE/ MIDDLE AGE/
MOTHER-CHILD RELATIONS/ MOTIVATION/
NUTRITION SURVEYS/ *OBESITY/ OBESITY,
drug therapy/ OBESITY, etiology/ OBESITY,
metabolism/ OBESITY, therapy/ OXYGEN
CONSUMPTION/ TRIIODOTHYRONINE,
therapeutic use
10. Gasser DL, Silvers WK, Reynolds HM Jr, et al: Serum
esterase genetics in rats: two new alleles at Es-2, a
new esterase regulated by hormonal factors, and
linkage of these loci to the Ag-C blood group locus.
Biochem Genet 10:207-17, Nov 73
AGING/ ANIMAL EXPERIMENTS/ *BLOOD
GROUPS/ CASTRATION/ COMPARATIVE
STUDY/ ELECTROPHORESIS, STARCH GEL/
*ESTERASES, blood/ *ESTRADIOL,
pharmacodynamics/ FEMALE/ GENOTYPE/
ISOENZYMES, blood/ *LINKAGE (GENETICS)/
MALE/ PEDIGREE/ PHENOTYPE/ RATS/
RATS, INBRED BN/ RATS, INBRED LEW/
RATS, INBRED STRAINS/ *SEX
- CHROMOSOMES, metabolism/
*TESTOSTERONE, pharmacodynamics
1211. Gauger D, Palm D, Kaiser G, et al: Adenyl cyclase
activities in rat erythrocytes during stress
erythropoiesis: localization of the enzyme in the
reticulocytes. Life Sci 13:31-40, 1 Jul 73
*ADENYL CYCLASE, blood/ ADENYL
CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ERYTHROCYTES,
drug effects/ *ERYTHROCYTES, enzymology/
*ERYTHROPOIESIS, drug effects/
FLUORIDES, pharmacodynamics/
ISOPROTERENOL, pharmacodynamics/ MALE/
PHENYLHYDRAZINE, pharmacodynamics/
RATS/ RETICULOCYTES, drug effects/
*RETICULOCYTES, enzymology/ *STRESS,
enzymology/ TIME FACTORS/ TRITIUM
1212. Gaur RD, Talwar GP: Isolation of a factor from human
seminal plasma that promotes fertilization.
Nature 244:450-2, 17 Aug 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION/
CHROMATOGRAPHY, PAPER/ FEMALE/
*FERTILITY AGENTS,
isolation & purification/ *FERTILIZATION,
drug effects/ FREEZE DRYING/ GEL
FILTRATION/ HUMAN/ MALE/ METHODS/
MICE/ RATS/ *SEMEN, analysis
1213. Gauthier M, Gros C, Bourjat P, et al: Puissance
thermogène des carcinomes mammaires. II.
Variations lors d'épreuves hormonales.
Blomédicine 18:421-8, Sep 73 (Fre)
ADULT/ AGED/ *ANDROGENS,
diagnostic use/ BODY TEMPERATURE, drug
effects/ BREAST NEOPLASMS, drug therapy/
*BREAST NEOPLASMS, pathophysiology/
ENGLISH ABSTRACT/ *ESTROGENS,
diagnostic use/ ETHINYL ESTRADIOL,
diagnostic use/ FEMALE/
FLUOXYMESTERONE, diagnostic use/
HUMAN/ MIDDLE AGE/ NORETHINDRONE,
diagnostic use/ PHOSPHORUS, metabolism/
PHOSPHORUS RADIOISOTOPES/ SKIN
TEMPERATURE/ TESTOSTERONE, diagnostic
use/ THERMOGRAPHY/ THERMOMETERS
1214. Gauthier-Wright F, Baudot N, Mauvais-Jarvis P:
Testosterone-binding globulin in stump-tailed
macaque monkeys (Macaca speciosa).
Endocrinology 93:1277-86, Dec 73
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ DIALYSIS/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ ESTRADIOL, metabolism/ ESTRADIOL,
pharmacodynamics/ FEMALE/
HYDROCORTISONE, metabolism/
ISOELECTRIC FOCUSING/ MACACA/ MALE/
MOLECULAR WEIGHT/ MONKEYS/
*PROTEIN BINDING/ *SERUM GLOBULINS,
metabolism/ *TESTOSTERONE, metabolism/
TRITIUM
1215. Gautvik KM: Calcitonin og dets betydning for
diagnosen av medullaert carcinom i glandula
thyroidea.
Tidsskr Nor Lægeforen 93:1143-8, 30 May 73 (27 ref.)
(Nor)
ADULT/ *CALCITONIN, blood/ *CARCINOMA,
blood/ CARCINOMA, diagnosis/ CARCINOMA,
familial & genetic/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ IODINE RADIOISOTOPES/
MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/
REVIEW/ *THYROID NEOPLASMS, blood/
THYROID NEOPLASMS, diagnosis/ THYROID
NEOPLASMS, familial & genetic
1216. Gaza DJ, Short J, Lieberman I: On the possibility that
the prereplicative increases in ornithine
decarboxylase activity are related to DNA synthesis
in liver. FEBS Lett 32:251-3, 1 Jun 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CARBOXY-LYASES, biosynthesis/
*CARBOXY-LYASES, metabolism/ *DNA,
biosynthesis/ *DNA REPLICATION/ FEMALE/

AUTHOR SECTION

- HEPATECTOMY/ HYPOPHYSECTOMY/
LIVER, drug effects/ *LIVER, enzymology/
LIVER, metabolism/ LIVER, physiology/
*LIVER REGENERATION/ ORNITHINE/
PITUITARY GLAND, physiology/ RATS/ TIME
FACTORS/ TRIIODOTHYRONINE,
pharmacodynamics
1217. Gębala A, Tarkowska A, Gadamska T, et al: Wydalanie
polisacharydów kwaśnych a próby czynnościowe
tarczycy u dziewcząt z wolem młodzieńczym.
Pediatr Pol 48:1101-5, 1973 (Pol)
ADOLESCENCE/ AGE FACTORS/ ENGLISH
ABSTRACT/ FEMALE/ *GOITER,
EXOPHTHALMIC, physiopathology/ GOITER,
EXOPHTHALMIC, urine/ HUMAN/
*MUCOPOLYSACCHARIDES, urine/ SEX
FACTORS/ THYROID GLAND FUNCTION
TESTS
1218. Geber WF: Inhibition of fetal osteogenesis by maternal
noise stress. Fed Proc 32:2101-4, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANTHRAQUINONES, metabolism/ ARYL
SULFONATES, metabolism/ BONE AND
BONES, abnormalities/ CALCIUM, metabolism/
DYES, metabolism/ FEMALE/ FETAL
DISEASES, etiology/ *FETUS, growth &
development/ GESTATIONAL AGE/ HOUSING,
ANIMAL/ MALE/ *NOISE/ OSSIFICATION,
PHYSIOLOGIC/ *OSTEOGENESIS/
PREGNANCY/ *PREGNANCY
COMPLICATIONS/ RATS/ STAINS AND
STAINING/ *STRESS
1219. Gehring D, Gronkl WD, Hoffmann G: Der diagnostische
Wert des Radiojod-Zweiphasentestes im
endemischen Kropfgehelet.
Hippokrates 44:160-76, Jun 73 (Ger)
GERMANY, WEST/ HUMAN/
*HYPERTHYROIDISM, diagnosis/ IODINE
ISOTOPES, DIAGNOSTIC/ IODINE
RADIOISOTOPES/ METHODS/ *THYROID
GLAND FUNCTION TESTS
1220. Gehring D, Gronkl WD, Hoffmann G: Die Beurteilung
der Kinetik beim Radiojodstoffwechselstudium.
Dtsch Med Wochenschr 98:1676-9, 7 Sep 73 (Ger)
DIAGNOSIS, DIFFERENTIAL/ EVALUATION
STUDIES/ GOITER, ENDEMIC, diagnosis/
GOITER, ENDEMIC, metabolism/ HUMAN/
HYPERTHYROIDISM, diagnosis/
HYPERTHYROIDISM, metabolism/ *IODINE
ISOTOPES, DIAGNOSTIC, metabolism/
*PROTEIN-BOUND IODINE TEST/ TIME
FACTORS
1221. Geler G, Schuhmann R, Lehmann WD:
Ostrogenausscheidung bei Risikoschwangerschaften.
Mütterliche Ostrogenausscheidung im
24-Stunden-Urin und kindliche Befunde bei
Risikoschwangerschaften.
Fortschr Med 91:1073-8, 27 Sep 73 (Ger)
AMNIOSCOPY/ APGAR SCORE/ BIRTH
WEIGHT/ CHRONIC DISEASE/ DELIVERY/
ENGLISH ABSTRACT/ *ESTROGENS, urine/
FEMALE/ FETAL DISEASES, diagnosis/
GESTATIONAL AGE/ HUMAN/ INFANT
MORTALITY/ INFANT, NEWBORN/
PLACENTA DISORDERS, urine/ PREGNANCY/
*PREGNANCY COMPLICATIONS, urine
1222. Gelran O, Solheim K: Acute rupture of the heart after
blunt trauma: report of a successful operation.
Injury 5:54-8, Aug 73
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ BRAIN EDEMA,
prevention & control/ CENTRAL VENOUS
PRESSURE/ CEREBROVASCULAR
CIRCULATION/ DIGOXIN, therapeutic use/
DIURETICS, therapeutic use/ HEART
ARREST, etiology/ HEART ATRIUM, injuries/
HEART ENLARGEMENT, radiography/
*HEART INJURIES, surgery/ HEMATOMA,
etiology/ HUMAN/ MALE/ MEDIASTINUM/
OXYGEN INHALATION THERAPY/
POSTOPERATIVE COMPLICATIONS/
RESPIRATORS/ RUPTURE, etiology/
RUPTURE, surgery/ THROMBOSIS, etiology/
TIME FACTORS
1223. Gelfand DW: Positive contrast peritoneography: the
abnormal abdomen.
Am J Roentgenol Radium Ther Nucl Med 119:190-7,
Sep 73
*ABDOMEN, radiography/ ADENOCARCINOMA,
radiography/ ADHESIONS, radiography/
FEMALE/ HEMATOMA, radiography/ HUMAN/
LEIOMYOMA, radiography/ LIVER
CIRRHOSIS, radiography/ LIVER NEOPLASMS,
radiography/ MALE/ NEOPLASM
METASTASIS/ OVARIAN NEOPLASMS,
radiography/ PERITONEAL DISEASES,
radiography/ PERITONEAL NEOPLASMS,
radiography/ *PERITONEUM, radiography/
UTERINE NEOPLASMS, radiography/
VENTRAL HERNIA, radiography
1224. Gellis SS, Feingold M, Dugan MC: Picture of the month.
Schwartz-Jampel syndrome (Aberfeld syndrome,
chondrodystrophic myotonia).
Am J Dis Child 126:339-40, Sep 73
*ABNORMALITIES, MULTIPLE/ *BONE AND
BONES/ CASE REPORT/ CHILD/
*DWARFISM/ FACE/ HUMAN/ MALE/
*MUSCULAR DYSTROPHY/ SYNDROME
1225. Gellis SS, Feingold M, Pashayan H, et al: Picture of the
month. Polyostotic fibrous dysplasia
(McCune-Albright syndrome).
Am J Dis Child 126:617-8, Nov 73
ENDOCRINE DISEASES, diagnosis/ FEMALE/
*FIBROUS DYSPLASIA OF BONE, diagnosis/
HUMAN/ PIGMENTATION DISORDERS,
diagnosis/ SYNDROME
1226. Genant HK, Heck LL, Lanzl LH, et al: Primary
hyperparathyroidism. A comprehensive study of
clinical, biochemical and radiographic manifestations.
Radiology 109:513-24, Dec 73
ADULT/ AGED/ ALKALINE PHOSPHATASE,
blood/ BONE RESORPTION/ CALCINOSIS,
radiography/ CALCIUM, blood/
CHONDROCALCINOSIS, radiography/
DENSITOMETRY, X-RAY/ FEMALE/
FINGERS, radiography/ HUMAN/
HYPERPARATHYROIDISM, blood/
HYPERPARATHYROIDISM, complications/
*HYPERPARATHYROIDISM, radiography/
KIDNEY CALCULI, radiography/ MALE/
MIDDLE AGE/ NEPHROCALCINOSIS,
radiography/ PANCREATIC DISEASES,
radiography/ PHOSPHORUS, blood/
PROSTATIC DISEASES, radiography/
RADIOGRAPHIC MAGNIFICATION/
TECHNOLOGY, RADIOLOGIC
1227. Genest J, Boucher R, Kuchel O, et al: Renin in
hypertension: how important as a risk factor?
Can Med Assoc J 109:475-8, 15 Sep 73
ADULT/ ANGIOTENSIN/ AORTIC
ANEURYSM, complications/ AORTIC
RUPTURE, complications/ BLOOD PRESSURE/
CEREBROVASCULAR DISORDERS,
complications/ CREATININE, blood/
FOLLOW-UP STUDIES/ HUMAN/
*HYPERTENSION, blood/ HYPERTENSION,
complications/ HYPERTENSION, etiology/
HYPERTENSION, MALIGNANT, blood/
HYPERTENSION, RENAL, blood/
HYPERTENSION, RENAL, etiology/ MIDDLE
AGE/ MYOCARDIAL INFARCT, complications/
POSTURE/ POTASSIUM, blood/ RENAL
ARTERY OBSTRUCTION, complications/
*RENIN, blood/ SODIUM/ SODIUM, blood/
UREA, blood
1228. Genton C: Les tumeurs mésonéphroïdes (ou tumeurs à
cellules claires) de l'ovaire. Etude anatomo-clinique
de douze cas.
Schweiz Med Wochenschr 103:1093-8, 4 Aug 73 (Fre)
ADULT/ AGED/ *ARRHENOBlastoma,
diagnosis/ ARRHENOBlastoma, pathology/
BIOPSY/ CYSTADENOCARCINOMA, diagnosis/
CYSTADENOCARCINOMA, pathology/
CYSTADENOMA, MUCINOUS, diagnosis/
CYSTADENOMA, MUCINOUS, pathology/
ENDOMETRIOSIS, diagnosis/ ENDOMETRIOSIS,
pathology/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ MIDDLE AGE/ OVARIAN CYSTS,
diagnosis/ OVARIAN CYSTS, pathology/

AUTHOR SECTION

*OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology/ PROGNOSIS

29. Genton E, Welly HS, Steele PP: Platelets, thrombosis and coronary artery disease. *Adv Cardiol* 9:29-39, 1973 (25 ref.)
ARTERIOSCLEROSIS, complications/ ASPIRIN, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, physiology/ BLOOD PROTEIN DISORDERS, complications/ CELL SURVIVAL/ CORONARY DISEASE, blood/ *CORONARY DISEASE, etiology/ ENDOTHELIUM, metabolism/ FIBRIN, metabolism/ HUMAN/ LIPIDS, metabolism/ LIPOPROTEINS, blood/ PHAGOCYTOSIS/ PLATELET ADHESIVENESS/ PROSTAGLANDINS, pharmacodynamics/ PYRAZOLES, pharmacodynamics/ PYRIMIDINES, pharmacodynamics/ REVIEW/ *THROMBOSIS, complications/ THROMBOSIS, etiology
30. Gentry BE Jr, Anderson LL, Melampy RM: Exogenous progesterone and estradiol benzoate on early embryonic survival in the pig. *J Anim Sci* 37:722-7, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ EMBRYO, analysis/ EMBRYO, anatomy & histology/ *EMBRYO, physiology/ *ESTRADIOL, administration & dosage/ ESTRADIOL, therapeutic use/ ESTRUS/ FEMALE/ FERTILIZATION/ FETAL DEATH, prevention & control/ *FETAL DEATH, veterinary/ HYSTERECTOMY/ INJECTIONS, INTRAMUSCULAR/ NITROGEN, analysis/ PHOSPHORUS, analysis/ PREGNANCY/ *PROGESTERONE, administration & dosage/ PROGESTERONE, therapeutic use/ *SWINE, physiology/ *SWINE DISEASES, prevention & control
31. George FW, Quarrie S, Griffith DR, et al: Effect of hypophysectomy during late pregnancy upon mammary gland growth in the rat. *Proc Soc Exp Biol Med* 144:647-50, Nov 73
ANIMAL EXPERIMENTS/ DNA, analysis/ FEMALE/ HYPOPHYSECTOMY/ MAMMAE, analysis/ MAMMAE, anatomy & histology/ *MAMMAE, growth & development/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ RNA, analysis/ TIME FACTORS
32. George JM, Klier LB: Letter: Conformation of thyrotropin-releasing hormone: prediction from molecular orbital theory. *J Theor Biol* 40:393-6, 15 Aug 73
AMINO ACIDS/ MODELS, STRUCTURAL/ *MOLECULAR CONFORMATION/ QUANTUM THEORY/ TRIIODOTHYRONINE
33. Georgouras K: Report of a case of xeroderma pigmentosum. *Australas J Dermatol* 14:39-46, Apr 73
ADOLESCENCE/ CARCINOMA, BASAL CELL/ CARCINOMA, EPIDERMOID/ *EYELID NEOPLASMS/ HUMAN/ *LIP NEOPLASMS/ MALE/ TERATOID TUMOR/ TESTICULAR NEOPLASMS/ *XERODERMA PIGMENTOSUM
34. Gerbitz KD, Wieland OH: Extrazelluläre cyclische Nucleotide: Vorkommen, Analytik und diagnostische Bedeutung. *Z Klin Chem Klin Biochem* 11:224-32, Jun 73 (106 ref.) (Ger)
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, cerebrospinal fluid/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ CHROMATOGRAPHY, ION EXCHANGE/ DIABETES INSIPIDUS, metabolism/ EXTRACELLULAR SPACE, analysis/ GLUCAGON, pharmacodynamics/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, cerebrospinal fluid/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOPARATHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ IMMUNE SERUMS/ INOSINE NUCLEOTIDES/ IODINE RADIOISOTOPES/ METHODS/ NUCLEOTIDES, CYCLIC, analysis/ PHOSPHORUS RADIOISOTOPES/ PROTEIN KINASE, metabolism/ REVIEW/ TRITIUM/ VASOPRESSIN, pharmacodynamics
1235. Gerrard AM, Jones RE, Roth JJ: Thecal vascularity in ovarian follicles of different size and rank in the lizard *Anolis carolinensis*. *J Morphol* 141:277-33, Oct 73
ANIMAL EXPERIMENTS/ ERYTHROCYTE COUNT/ *GRAAFIAN FOLLICLE, blood supply/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, growth & development/ *HYPERTROPHY/ *LIZARDS, anatomy & histology
1236. Gershbein LL: Effect of adrenal cortical steroids on liver regeneration. *J Surg Oncol* 5:491-508, May 73
ADRENALECTOMY/ ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CORTISONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DIET/ FEMALE/ FLUDROCORTISONE, pharmacodynamics/ *GLUCOCORTICOIDS, pharmacodynamics/ HEPATECTOMY/ HYDROCORTISONE, pharmacodynamics/ *LIVER REGENERATION, drug effects/ MALE/ *MINERALOCORTICOIDS, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ SEX FACTORS/ SPIRONOLACTONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics
1237. Geshtev G: Promeni v estralnia tskul pri oplitni zhi votni pod deistviem na trinitrotolui. *Akush Ginekol (Sofia)* 12:206-9, 1973 (Bul)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ OVARY, drug effects/ OVULATION, drug effects/ RATS/ SKIN ABSORPTION/ TRINITROTOLUENE, administration & dosage/ *TRINITROTOLUENE, pharmacodynamics
1238. Geumel A, Bashour FA, Swamy BV, et al: Prostaglandin E1: its effects on hepatic circulation in dogs. *Pharmacology* 9:336-47, 1973
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEPATIC ARTERY, drug effects/ HEPATIC VEINS, drug effects/ INJECTIONS, INTRAVENOUS/ *LIVER CIRCULATION, drug effects/ MALE/ PORTAL VEIN, drug effects/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS/ VASCULAR RESISTANCE, drug effects
1239. Ghafghazi T, Mennear JH: Effects of acute and subacute cadmium administration on carbohydrate metabolism in mice. *Toxicol Appl Pharmacol* 26:231-40, Oct 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ BLOOD SUGAR/ *CADMIUM, toxicity/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLUCOSE, metabolism/ HYPERGLYCEMIA, chemically induced/ INSULIN, blood/ INSULIN ANTIBODIES/ IODINE RADIOISOTOPES/ MALE/ MICE/ PANCREAS, metabolism/ TIME FACTORS
1240. Gharib H, Hurd H 2d: T3 thyrotoxicosis. *Am Fam Physician* 8:144-6, Nov 73
HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, diagnosis/ HYPOTHALAMUS, physiology/ PITUITARY GLAND, physiology/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, physiology/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, physiology/ *TRIIODOTHYRONINE, blood
1241. Ghose LJ: Alveolar bone resorption in a child with

AUTHOR SECTION

- healing rickets: report of case.
J Dent Child 40:472-4, Nov-Dec 73
ALVEOLAR PROCESS, pathology/ *BONE
RESORPTION, etiology/ CASE REPORT/
CHILD, PRESCHOOL/ FEMALE/ HUMAN/
*JAW DISEASES, etiology/ *RICKETS,
complications/ RICKETS, therapy/ TOOTH
ERUPTION/ TOOTH MOBILITY, etiology
1242. Ghosh BN, Mathur SC, Bhat HS: Primary
hyperparathyroidism in renal calculi.
Int Surg 58:625-7, Sep 73
ADENOMA, diagnosis/ CALCIUM,
administration & dosage/ CALCIUM, blood/
CALCIUM, urine/ HUMAN/
HYPERCALCEMIA, diagnosis/
*HYPERPARATHYROIDISM, complications/
HYPERPARATHYROIDISM, radiography/
HYPERPLASIA, diagnosis/ *KIDNEY
CALCULI, etiology/ PHOSPHORUS, blood/
RECURRENCE/ RETROSPECTIVE STUDIES/
URETERAL CALCULI, etiology
1243. Ghosh SK, Reddy TA: Arthralgia and myalgia in mumps.
Rheumatol Phys Med 12:97-9, May 73
ACETAMINOPHEN, therapeutic use/ ADULT/
*ARTHRITIS, etiology/ BLOOD CELL COUNT/
FEVER/ HEMATOCRIT/ HEMOGLOBIN,
analysis/ HUMAN/ MALE/ *MUMPS,
complications/ MUMPS, drug therapy/
*MYOSITIS, etiology/ ORCHITIS,
complications/ ORCHITIS, drug therapy/
PAIN, drug therapy/ *PAIN, etiology/
PREDNISOLONE, therapeutic use/ PULSE
1244. Giammanco S, Paderni MA, Zagami MT: Contributo
alla conoscenza dell'azione della morfina sul sistema
nervoso centrale.
Arch Fisiol 69:365-98, 31 Dec 72 (Ita)
ANIMAL EXPERIMENTS/ BARBITURATES,
pharmacodynamics/ *BRAIN, drug effects/
BRAIN, physiology/ CATS/ CHLORALOSE,
pharmacodynamics/ CURARE,
pharmacodynamics/ ELECTRIC STIMULATION/
ELECTRODES, IMPLANTED/
ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ EVOKED POTENTIALS/
HYPOTHALAMUS, physiology/ *MORPHINE,
pharmacodynamics/ MOTOR CORTEX,
physiology/ RABBITS/ SOMATOSENSORY
CORTEX, physiology
1245. Gibbons AF, Chang MC: Indirect effects of
x-irradiation on embryonic development: irradiation
of the exteriorized rat uterus.
Biol Reprod 9:133-41, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CORPUS LUTEUM/ DOSE-RESPONSE
RELATIONSHIP, RADIATION/ *EMBRYO,
growth & development/ FEMALE/ FETUS/
NIDATION, radiation effects/ OVUM, radiation
effects/ PREGNANCY/ *RADIATION
EFFECTS/ RATS/ *UTERUS, radiation effects
1246. Gibbons AF, Chang MC: The effects of X-irradiation of
the rat ovary on implantation and embryonic
development. Biol Reprod 9:343-9, Nov 73
ANIMAL EXPERIMENTS/ *EMBRYO, radiation
effects/ ESTRADIOL, pharmacodynamics/
ESTROGENS, secretion/ FEMALE/ FETAL
DEATH, etiology/ FETAL DEATH, prevention
& control/ *NIDATION, radiation effects/
OVARY, pathology/ *OVARY,
radiation effects/ OVARY, secretion/ OVARY,
surgery/ PREGNANCY/ PROGESTERONE,
pharmacodynamics/ PROGESTERONE,
secretion/ *RADIATION GENETICS/ RATS
1247. Gibori G, Kralcer PF: Conversion of testosterone to
estrogen by isolated corpora lutea of pregnancy in the
rat. Biol Reprod 9:309-18, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
CORPUS LUTEUM, drug effects/ *CORPUS
LUTEUM, metabolism/ CORPUS LUTEUM,
secretion/ CORPUS LUTEUM, transplantation/
*ESTROGENS, biosynthesis/ ESTROGENS,
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*PREGNANCY, ANIMAL/ PROGESTERONE,
administration & dosage/ RATS/ SILICONE
- ELASTOMERS/ TESTOSTERONE,
administration & dosage/ *TESTOSTERONE,
metabolism/ TRANSPLANTATION,
AUTOLOGOUS/ UTERUS, drug effects
1248. Gibson GJ, Pride NB, Empey DW: The role of
inspiratory dynamic compression in upper airway
obstruction. Am Rev Respir Dis 108:1352-60, Dec 73
ADULT/ AIRWAY OBSTRUCTION, etiology/
*AIRWAY OBSTRUCTION, physiopathology/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
PLETHYSMOGRAPHY, WHOLE BODY/
POSTOPERATIVE COMPLICATIONS/
*RESPIRATORY AIRFLOW/ SPIROMETRY/
THYROIDECTOMY/ VITAL CAPACITY
1249. Giese J: Renin, angiotensin and hypertensive vascular
damage: a review.
Am J Med 55:315-32, Sep 73 (135 ref.)
*ANGIOTENSIN, blood/ ANGIOTENSIN II,
physiology/ ANIMAL EXPERIMENTS/
ARTERIES/ ARTERIES, physiopathology/
BLOOD PRESSURE/ CAPILLARY
PERMEABILITY/ DILATATION/
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MACROMOLECULAR SYSTEMS/ RATS/
RENAL ARTERY OBSTRUCTION,
complications/ *RENIN, blood/ REVIEW/
VASCULAR DISEASES, etiology
1250. Gifford RW Jr: Evaluation of the hypertensive patient.
Chest 64:336-40, Sep 73
ADRENAL GLAND NEOPLASMS,
complications/ ADULT/ ANGIOGRAPHY/
AORTIC ARCH SYNDROMES, complications/
BLOOD PRESSURE DETERMINATION/
CONTRACEPTIVES, ORAL, adverse effects/
CUSHING'S SYNDROME, complications/
FEMALE/ HUMAN/ HYPERALDOSTERONISM,
complications/ HYPERTENSION, chemically
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HYPERTENSION, RENAL, etiology/
HYPERTENSION, RENAL, radiography/
MALE/ PHEOCHROMOCYTOMA, complications/
RENAL VEINS, radiography/ UROGRAPHY
1251. Glibert CH, Galton DJ: The presence of a
hormone-sensitive cyclase system in the rat aorta and
its relation to lipolysis.
Atherosclerosis 18:257-64, Sep-Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ *ADENYL CYCLASE, metabolism/
ADIPOSE TISSUE, drug effects/ ADIPOSE
TISSUE, secretion/ ANIMAL EXPERIMENTS/
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AORTA, secretion/ DOSE-RESPONSE
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ISOPROTERENOL, pharmacodynamics/
LIPIDS, metabolism/ MALE/
NOREPINEPHRINE, pharmacodynamics/ RATS/
STIMULATION, CHEMICAL/ THEOPHYLLINE,
pharmacodynamics/ TIME FACTORS/ TRITIUM
1252. Glibert HG, Woollett EA, Child KJ: Reproduction in
rabbits given Althesin.
J Reprod Fertil 34:519-22, Sep 73
*ANESTHETICS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BIRTH WEIGHT/ FEMALE/
FERTILITY, drug effects/ GESTATIONAL
AGE/ GROWTH/ KETONES,
pharmacodynamics/ MATERNAL-FETAL
EXCHANGE/ *PREGNANES,
pharmacodynamics/ RABBITS/
*REPRODUCTION, drug effects/ SEX RATIO
1253. Giles RE, Williams JC, Finkel MP, et al: Progesterone
antagonism of papain emphysema: role of sex,
estrogens and serum antitrypsin.
Proc Soc Exp Biol Med 144:487-91, Nov 73
AEROSOLS/ ANIMAL EXPERIMENTS/
CASTRATION/ DIETHYLSTILBESTROL,
pharmacodynamics/ ESTRADIOL,
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AUTHOR SECTION

- pharmacodynamics/ FEMALE/ MALE/
PAPAIN, administration & dosage/ *PAPAIN,
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antagonists & inhibitors/ *PROGESTERONE,
pharmacodynamics/ *PULMONARY
EMPHYSEMA, chemically induced/ RATS/
SEX FACTORS/ *TRYPSIN INHIBITORS,
blood
254. Gillette MU, Filosa MF: Effect of concanavalin A on cellular slime mold development: premature appearance of membrane-bound cyclic AMP phosphodiesterase.
Biochem Biophys Res Commun 53:1159-66, 21 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ CELL AGGREGATION,
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*CONCAVALIN A, pharmacodynamics/
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INDUCTION, drug effects/
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MYXOMYCETES, cytology/ *MYXOMYCETES,
enzymology/ OSMOLAR CONCENTRATION/
*PHOSPHODIESTERASES, metabolism/ TIME
FACTORS
255. Gilliam JN, Cheatum DE: Immunoglobulins in the larynx in systemic lupus erythematosus.
Arch Dermatol 108:696-7, Nov 73
ADULT/ ANTINUCLEAR FACTORS, analysis/
BASEMENT MEMBRANE, immunology/
COMPLEMENT, analysis/
CYCLOPHOSPHAMIDE, therapeutic use/
ELECTROMYOGRAPHY/ FEMALE/
FLUORESCENT ANTIBODY TECHNIC/
HUMAN/ IGG, analysis/ IGM, analysis/
*IMMUNOGLOBULINS, analysis/ *LARYNX,
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ERYTHEMATOSUS, SYSTEMIC, complications/
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SYSTEMIC, immunology/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, pathology/
LUPUS ERYTHEMATOSUS, SYSTEMIC,
physiopathology/ PHAGOCYTOSIS/
PREDNISONE, therapeutic use/
RESPIRATORY INSUFFICIENCY, etiology
256. Gilman AG, Minna JD: Expression of genes for metabolism of cyclic adenosine 3':5'-monophosphate in somatic cells. I. Responses to catecholamines in parental and hybrid cells.
J Biol Chem 248:6610-7, 10 Oct 73
ADENOCARCINOMA/ *ADENOSINE CYCLIC
3',5' MONOPHOSPHATE, metabolism/ CELL
LINE/ CHROMOSOMES, analysis/ CLONE
CELLS, drug effects/ CLONE CELLS,
metabolism/ COMPARATIVE STUDY/
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REGULATOR, drug effects/ GLIOMA/
HYBRID CELLS/ *ISOPROTERENOL,
pharmacodynamics/ KIDNEY/ LIVER/ MICE/
MICE, INBRED BALB C/ MICE, INBRED
STRAINS/ NEUROBLASTOMA/
*NOREPINEPHRINE, pharmacodynamics/
PRACTOLOL, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/ RATS/
THEOPHYLLINE, pharmacodynamics/ TRITIUM
257. Gillette TM, Hoschl R: Treatment of thyrotoxicosis with iodine-125 in moderately low dosage.
Clin Radiol 24:263-6, Apr 73
FOLLOW-UP STUDIES/ HUMAN/
*HYPERTHYROIDISM, radiotherapy/ *IODINE
ISOTOPES, administration & dosage/ IODINE
ISOTOPES, therapeutic use/ RADIOTHERAPY
DOSAGE
258. Ginsberg RB: The effect of lactation on the length of the post partum anovulatory period: an application of a bivariate stochastic model.
Theor Popul Biol 4:276-99, Sep 73
COMPARATIVE STUDY/ FEMALE/ HUMAN/
*LACTATION/ MATHEMATICS/ MODELS,
BIOLOGICAL/ *OVULATION/ PREGNANCY/
PROBABILITY/ STERILITY, FEMALE/ TIME
FACTORS
1259. Glnther OJ, Del Campo CH: Vascular anatomy of the uterus and ovaries and the unilateral luteolytic effect of the uterus: areas of close apposition between the ovarian artery and vessels which contain uterine venous blood in sheep.
Am J Vet Res 34:1387-93, Nov 73
ANIMAL EXPERIMENTS/ *ARTERIES,
anatomy & histology/ COLLATERAL
CIRCULATION/ *CORPUS LUTEUM,
physiology/ ESTRUS/ FEMALE/ *OVARY,
blood supply/ *SHEEP, anatomy & histology/
*UTERUS, blood supply/ UTERUS, physiology/
*VEINS, anatomy & histology
1260. GlraIt M, Aztaraln E, Torres A, et al: La prueba de la etiocolanolona en la valoración funcional de las insuficiencias medulares totales y parciales.
Sangre (Barc) 18:170-7, 1973 (Spa)
*BONE MARROW DISEASES, diagnosis/
ENGLISH ABSTRACT/ *ETIOCHOLANOLONE,
diagnostic use/ ETIOCHOLANOLONE,
pharmacodynamics/ EVALUATION STUDIES/
FEMALE/ HUMAN/ LEUKOCYTES, drug
effects/ MALE
1261. Glrard DE, Bagby GC Jr, Walsh JR: Destructive polyarthritis secondary to Mycobacterium kansasii.
Arthritis Rheum 16:665-9, Sep-Oct 73
ADULT/ ANKLE, pathology/ *ARTHRITIS,
INFECTIOUS, etiology/ ARTHRITIS,
INFECTIOUS, microbiology/ ARTHRITIS,
INFECTIOUS, pathology/ CASE REPORT/
GLUCOCORTICOIDS, adverse effects/
GLUCOCORTICOIDS, therapeutic use/ HAND
DEFORMITIES, ACQUIRED, etiology/ HUMAN/
*LUNG DISEASES, complications/ LUNG
DISEASES, etiology/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, complications/
MALE/ *MYCOBACTERIUM INFECTIONS,
complications/ *SEPTICEMIA, complications/
SEPTICEMIA, etiology/ SYNOVIAL
MEMBRANE, pathology
1262. Glrard J: La néphrotomographie vasculaire dans les tumeurs rénales au cours de l'urographie intraveineuse.
J Radiol Electrol Med Nucl 54:474-7, Jun-Jul 73 (Fre)
ADRENAL GLAND NEOPLASMS, radiography/
ANGIOGRAPHY/ HUMAN/ *KIDNEY
NEOPLASMS, radiography/
PHEOCHROMOCYTOMA, radiography/ RENAL
ARTERY, radiography/ *TOMOGRAPHY,
RADIOGRAPHIC/ *UROGRAPHY
1263. Glrardle J: Aspects histologique, histochemique et ultrastructural des péricaryones neurosécréteurs latéraux du protocérébron de Locusta migratoria migratoriolides (Insecte: Orthoptère).
Z Zellforsch Mikrosk Anat 141:75-91, 26 Jul 73 (Fre)
ANIMAL EXPERIMENTS/ AXONS/ *BRAIN,
cytology/ CELLULAR INCLUSIONS/
CYTOPLASMIC GRANULES/ FEMALE/
GLYCOPROTEINS/ GOLGI APPARATUS/
*GRASSHOPPERS, cytology/
HISTOCYTOCHEMISTRY/ LYSOSOMES/
MALE/ MICROSCOPY/ MICROSCOPY,
ELECTRON/ NEURONS, cytology/
*NEUROSECRETORY SYSTEMS, cytology/
STAINS AND STAINING
1264. Girdwood RH: Advances in medicine.
Practitioner 211:407-18, Oct 73 (59 ref.)
ANALGESICS AND ANTIPYRETICS,
therapeutic use/ ANTIBIOTICS, therapeutic
use/ ANTICOAGULANTS, therapeutic use/
ASTHMA, drug therapy/ BLOOD
TRANSFUSION/ CONTRACEPTIVES, ORAL/
DIGOXIN, therapeutic use/ DRUG
INTERACTIONS/ *DRUG THERAPY/ HUMAN/
INFUSIONS, PARENTERAL/ LEUKEMIA, drug
therapy/ LYMPHOMA, drug therapy/
PROSTAGLANDINS, therapeutic use/ REVIEW
1265. Gitlow SE, Dziedzic LB, Strauss L, et al: Biochemical and histologic determinants in the prognosis of neuroblastoma. Cancer 32:898-905, Oct 73
ADOLESCENCE/ AGE FACTORS/
CATECHOLAMINES, urine/ CHILD/ CHILD,
PRESCHOOL/ COMPUTERS, DIGITAL/
FEMALE/ FOLLOW-UP STUDIES/

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- HOMOVANILLIC ACID, urine/ HUMAN/
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*NEUROBLASTOMA, mortality/
NEUROBLASTOMA, pathology/
NEUROBLASTOMA, therapy/
NEUROBLASTOMA, urine/ NEW YORK/
PROGNOSIS/ SEX FACTORS/
VANILMANDELIC ACID, urine
1266. Gitnick GL, Summerskill WH, Soloway RD, et al:
Anticomplementary hepatitis B antigen. Prognostic
importance in chronic active liver disease.
Arch Intern Med 132:502-5, Oct 73
ANTIBODIES/ *AUSTRALIA ANTIGEN,
analyses/ AZATHIOPRINE, therapeutic use/
CHRONIC DISEASE/ COMPARATIVE STUDY/
COMPLEMENT FIXATION TESTS/ DRUG
SYNERGISM/ GEL DIFFUSION TESTS/
HUMAN/ LIVER DISEASES, drug therapy/
*LIVER DISEASES, immunology/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, immunology/
METHODS/ MUSCLE, SMOOTH, immunology/
PREDNISONE, therapeutic use/ PROGNOSIS
1267. Gitsch E, Janisch H, Spona J: Die Bedeutung der
hormonalen Überwachung der Schwangerschaft
mittels Plazentalaktogen (HPL).
Wien Klin Wochenschr 85:585-8, 7 Sep 73 (Ger)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
FETAL DISEASES, diagnosis/
GONADOTROPINS, CHORIONIC, blood/
HUMAN/ LABOR, PREMATURE, blood/
*MONITORING SYSTEMS/ PLACENTA,
physiology/ PLACENTAL LACTOGEN,
biosynthesis/ *PLACENTAL LACTOGEN,
blood/ PREGNANCY/ *PREGNANCY
COMPLICATIONS, blood/ PREGNANCY
TOXEMIAS, blood/ RADIOIMMUNOASSAY
1268. Giullian D, Pohorecky LA, McEwen BS: Effects of
gonadal steroids upon brain 5-hydroxytryptamine
levels in the neonatal rat.
Endocrinology 93:1329-35, Dec 73
ANIMAL EXPERIMENTS/ *BRAIN,
metabolism/ *BRAIN CHEMISTRY, drug
effects/ CASTRATION/
*DIETHYLSTILBESTROL, pharmacodynamics/
*ESTRADIOL, pharmacodynamics/ FEMALE/
MALE/ OVARY, physiology/ RATS/
*SEROTONIN, metabolism/ SEX FACTORS/
*STANOLONE, pharmacodynamics/ TESTIS,
physiology/ *TESTOSTERONE,
pharmacodynamics/ TIME FACTORS
1269. Giuntoli L: Rilievi di semelotica radiologica della
artrosi e della preartrosi.
Minerva Med 64:2921-34, 21 Jul 73 (Ita)
ADULT/ AGED/ *BONE AND BONES,
radiography/ *CARTILAGE, ARTICULAR,
radiography/ FEMORAL FRACTURES,
complications/ FEMUR HEAD NECROSIS,
complications/ HIP JOINT/ HUMAN/ JOINT
DISEASES, radiography/ MIDDLE AGE/
OSTEOARTHRITIS, etiology/
OSTEOARTHRITIS, radiography/ TIBIAL
FRACTURES, complications
1270. Glants RM: Patofiziologičeskie aspekty problemy
parenteral'nogo pitanija.
Probl Gematol Perellv Krov 17:37-41, Dec 73 (Rus)
ANIMAL EXPERIMENTS/ DOGS/ DUODENAL
ULCER, therapy/ HUMAN/ MALE/
*PARENTERAL FEEDING/ PLACENTAL
EXTRACTS, therapeutic use/ PROTEIN
HYDROLYSATES, administration & dosage/
PROTEIN HYDROLYSATES, therapeutic use/
RATS
1271. Glatzel H: Sexualhormone in Nahrungsmitteln.
Ther Ggw 112:1266 passim, Aug 73 (Ger)
*ESTROGENS, analyses/ FEMALE/ *FOOD
ANALYSIS/ HUMAN/ MEAT, analysis/
MENSTRUATION DISORDERS, chemically
induced/ PLANT GROWTH REGULATORS,
analysis
1272. Glick EN: Reflex dystrophy (algoneurodystrophy):
results of treatment by corticosteroids.
Rheumatol Phys Med 12:84-8, May 73
ADOLESCENCE/ *ADRENAL CORTEX
HORMONES, therapeutic use/ ADULT/ BODY
WEIGHT, drug effects/ DYSPEPSIA,
chemically induced/ ELBOW, injuries/
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PREDNISOLONE, adverse effects/
PREDNISOLONE, therapeutic use/ *REFLEX
SYMPATHETIC DYSTROPHY, drug therapy/
SHOULDER-HAND SYNDROME, drug therapy/
SYNOVIAL MEMBRANE/ WRIST INJURIES
1273. Glick SD, Waters DH, Milloy S: Depletion of
hypothalamic norepinephrine by food deprivation and
interaction with D-amphetamine.
Res Commun Chem Pathol Pharmacol 6:775-8, Sep 73
ANIMAL EXPERIMENTS/ CORPUS
STRIATUM, metabolism/ *DEXTROR
AMPHETAMINE, pharmacodynamics/
DIENCEPHALON, metabolism/ DOPAMINE,
metabolism/ FEMALE/ *FOOD DEPRIVATION/
HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, metabolism/
*NOREPINEPHRINE, metabolism/ RATS/
TELENCEPHALON, metabolism
1274. Glinier D, Ectors M, Paulet P, et al: Etude clinique de
39 observations d'hypothermie accidentelle de
l'adulte. Acta Clin Belg 28:40-55, 1973 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CARBON
MONOXIDE POISONING, complications/ COLD,
adverse effects/ FEMALE/ HUMAN/
HYPOTHERMIA, complications/
*HYPOTHERMIA, etiology/ HYPOTHERMIA,
therapy/ MALE/ MIDDLE AGE/ MYXEDEMA,
complications/ NERVOUS SYSTEM DISEASES,
complications/ POISONING, complications
1275. Gliński S: Pierwotny obustronny nowotwór złośliwy
jajników przeszkoda porodowa.
Pol Tyg Lek 28:1197-8, 30 Jul 73 (Pol)
ADULT/ CESAREAN SECTION/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ *LABOR
COMPLICATIONS, etiology/ *OVARIAN
NEOPLASMS, complications/ PREGNANCY
1276. Gloor HF: Untersuchungen zur Physiologie und
Pathologie der Cervix uteri des Rindes.
Experientia 19:Suppl:3-94, 1973 (Ger)
ANIMAL EXPERIMENTS/ CATTLE/ CATTLE
DISEASES, pathology/ CERVICITIS,
complications/ CERVICITIS, diagnosis/
CERVICITIS, veterinary/ CERVIX DISEASES,
complications/ CERVIX DISEASES, pathology/
*CERVIX DISEASES, veterinary/ CERVIX
MUCUS/ CERVIX UTERI, abnormalities/
CERVIX UTERI, microbiology/ *CERVIX
UTERI, pathology/ *CERVIX UTERI,
physiology/ ENDOMETRITIS, complications/
ENDOMETRITIS, diagnosis/ ENDOMETRITIS,
veterinary/ FEMALE/ OVARIAN DISEASES,
complications/ OVARIAN DISEASES,
veterinary/ PREGNANCY/ STERILITY,
FEMALE, etiology/ STERILITY, FEMALE,
veterinary
1277. Glover TD: Aspects of sperm production in some East
African mammals. J Reprod Fertil 35:45-53, Oct 73
AFRICA, EASTERN/ ANGIOGRAPHY/
ANIMAL EXPERIMENTS/ ARTIODACTYLA/
COMPARATIVE STUDY/ ELEPHANTS/
EPIDIDYMISS, anatomy & histology/
EPIDIDYMISS, physiology/ MALE/ *MAMMALS/
RABBITS/ *SPERMATOGENESIS/
SPERMATOZOA/ TESTIS, blood supply
1278. Glynn MF: The role of the platelet membrane in
platelet function. II. 5-Hydroxytryptamine
(serotonin) uptake. Am J Clin Pathol 60:636-43, Nov 73
AMYLAASE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BLOOD PLATELETS, drug
effects/ *BLOOD PLATELETS, metabolism/
CARBON RADIOISOTOPES/ CELL
MEMBRANE, drug effects/ CELL MEMBRANE,
metabolism/ CELL SEPARATION/
FORMALDEHYDE, pharmacodynamics/
GALACTOSIDASE, pharmacodynamics/

AUTHOR SECTION

- GANGLIOSIDES, pharmacodynamics/
GLUTARALDEHYDE, pharmacodynamics/
HYALURONIDASE, pharmacodynamics/ IN
VITRO/ NEURAMINIDASE, pharmacodynamics/
PAPAIN, pharmacodynamics/ PERIODIC
ACIDS, pharmacodynamics/ PHOSPHOLIPASE,
pharmacodynamics/ PRONASE,
pharmacodynamics/ RABBITS/ RATS/
*SEROTONIN, metabolism/ SWINE/ TRYPSIN,
pharmacodynamics
1279. Glynn RD, Thrash CR, Cunningham DD: Maximal
concanavalin A-specific agglutination without loss of
density-dependent growth control.
Proc Natl Acad Sci USA 70:2876-7, Sep 73
*AGGLUTINATION, drug effects/ BLOOD/
CELL DIVISION, drug effects/ CELL LINE/
CONCAVALIN A, pharmacodynamics/
*CONTACT INHIBITION, drug effects/
FIBROBLASTS/ HYDROCORTISONE,
pharmacodynamics/ MICE/ *PHYTOMITOGENS,
pharmacodynamics/ *PLANT AGGLUTININS,
pharmacodynamics/ *PRONASE,
pharmacodynamics/ STIMULATION,
CHEMICAL
1280. Go MJ, Wuite J, Upwich WG van der: Lichen
amyloidosis mlt atypischer Lokalisation.
Hautarzt 24:353-5, Aug 73 (Ger)
ADULT/ AMYLOIDOSIS, drug therapy/
*AMYLOIDOSIS, pathology/ BIOPSY/
BREAST/ HUMAN/ KERATOSIS/ LICHEN
PLANUS, complications/ LICHEN PLANUS,
drug therapy/ *LICHEN PLANUS, pathology/
MALE/ MICROSCOPY, FLUORESCENCE/
PIGMENTATION DISORDERS, etiology/
STAINS AND STAINING/ TRIAMCINOLONE,
therapeutic use
1281. Goclu M, Sighetea E, Tănăsescu S, et al: Combination
chemotherapy in advanced Hodgkin's disease.
Rev Roum Med Intern 10:301-5, 1973
ADOLESCENCE/ ADULT/ DRUG THERAPY,
COMBINATION/ DRUG THERAPY,
COMBINATION, adverse effects/ FEMALE/
*HODGKIN'S DISEASE, drug therapy/
HUMAN/ MALE/ MIDDLE AGE/ MUSTARD
COMPOUNDS, therapeutic use/ PREDNISONE,
therapeutic use/ PROCARBAZINE, therapeutic
use/ PROGNOSIS/ VINCRISTINE, therapeutic
use
1282. Godard C, Lemarchand-Béraud T: Plasma thyrotropin
levels in severe infantile malnutrition.
Horm Res 4:43-52, 1973
BODY WEIGHT/ CHILD, PRESCHOOL/
DIALYSIS/ DIODOTYROSINE, blood/
FEMALE/ HUMAN/ INFANT/ *INFANT
NUTRITION DISORDERS, blood/ IODINE
ISOTOPES/ IODOTYROSINE, blood/
KWASHIORKOR, blood/ MALE/
PROTEIN-CALORIE MALNUTRITION, blood/
RADIOIMMUNOASSAY/ *THYROTROPIN,
blood/ THYROXINE, blood/
THYROXINE-BINDING PROTEIN, analysis
1283. Godard C, Vallotton MB, Broyer M: Plasma renin
activity in segmental hypoplasia of the kidneys with
hypertension. Nephron 11:308-17, 1973
ADOLESCENCE/ ANGIOTENSIN, blood/
BLOOD PRESSURE/ BLOOD UREA
NITROGEN/ CELL COUNT/ CHILD/
CREATININE, blood/ FEMALE/
GLOMERULAR FILTRATION RATE/ HUMAN/
*HYPERTENSION, enzymology/
HYPERTENSION, RENAL, pathology/
JUXTAGLOMERULAR APPARATUS,
pathology/ *KIDNEY, pathology/ KIDNEY,
physiopathology/ MALE/ POSTURE/ RENAL
VEINS/ *RENIN, blood/ TIME FACTORS
1284. Godfraind T, Verbeke N: Inhibition by chlorpromazine
of Ca²⁺ plus-activated ATPase in brain microsomes.
Arch Int Pharmacodyn Ther 203:400-2, Jun 73
*ADENOSINE TRIPHOSPHATASE, antagonists
& inhibitors/ ANIMAL EXPERIMENTS/
*BRAIN, drug effects/ *CALCIUM,
metabolism/ CALCIUM ISOTOPES/
*CHLORPROMAZINE, pharmacodynamics/
ENZYME ACTIVATION/ GUINEA PIGS/
*MICROSOMES, enzymology/ MUSCLE,
SMOOTH, drug effects/ SARCOPLASMIC
RETICULUM, drug effects
1285. Godfraind T, Verbeke N: The action of adrenaline on
calcium pump and adenosine triphosphatases
activities of intestinal smooth muscle microsomes.
Arch Int Pharmacodyn Ther 204:187-90, Jul 73
*ADENOSINE TRIPHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT, ACTIVE, drug effects/
CALCIUM/ *CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ *EPINEPHRINE,
pharmacodynamics/ GUINEA PIGS/ ILEUM,
cytology/ *ILEUM, enzymology/ IN VITRO/
MAGNESIUM/ *MICROSOMES, enzymology/
MICROSOMES, metabolism/ MUSCLE,
SMOOTH, cytology/ *MUSCLE, SMOOTH,
enzymology/ OXALATES, pharmacodynamics/
POTASSIUM/ SODIUM
1286. Godfrey S: Proceedings: Treatment of perennial
childhood asthma. Arch Dis Child 48:824, Oct 73
*ASTHMA, drug therapy/ BECLOMETHASONE,
therapeutic use/ CHILD/ *DISODIUM
CROMOGLYCATE, therapeutic use/
*GLUCOCORTICOIDS, TOPICAL, therapeutic
use/ HUMAN/ *THIOCARBAMATES,
therapeutic use
1287. Godfrey S, König P: Beclomethasone aerosol in
childhood asthma. Arch Dis Child 48:665-70, Sep 73
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ AEROSOLS/
*ASTHMA, drug therapy/ BECLOMETHASONE,
administration & dosage/ BECLOMETHASONE,
therapeutic use/ CHILD/ CLINICAL
RESEARCH/ CORTICOTROPIN, therapeutic
use/ ECZEMA, complications/ FEMALE/
*GLUCOCORTICOIDS, TOPICAL, therapeutic
use/ HAY FEVER, complications/ HUMAN/
HYDROCORTISONE, blood/ MALE/
*METHYLPREDNISOLONE, therapeutic use/
RECURRENCE/ SPIROMETRY
1288. Goekner DJ, Greenough WT, Mead WR: Deficits in
learning tasks following chronic overcrowding in rats.
J Pers Soc Psychol 28:256-61, Nov 73
ADRENAL GLANDS, anatomy & histology/
ANIMAL EXPERIMENTS/ ANIMALS,
LABORATORY/ AVOIDANCE LEARNING/
BODY WEIGHT/ BRAIN,
anatomy & histology/ *CROWDING/
DISCRIMINATION LEARNING/ DRINKING
BEHAVIOR/ ELECTROSHOCK/ FEMALE/
HANDLING (PSYCHOLOGY)/ HOUSING,
ANIMAL/ *LEARNING/ MALE/ MODELS,
BIOLOGICAL/ MODELS, PSYCHOLOGICAL/
ORGAN WEIGHT/ POPULATION DENSITY/
RATS/ *RATS, growth & development/
REWARD/ STRESS, PSYCHOLOGICAL
1289. Goerz G, Greither A: Spezifische Behandlung der
Neurosyphilis. Med Welt 24:980-2, 8 Jun 73 (Ger)
BISMUTH, therapeutic use/ CORTICOTROPIN,
therapeutic use/ FEMALE/ FEVER
THERAPY/ GLUCOCORTICOIDS, therapeutic
use/ HUMAN/ MALE/ MERCURY, therapeutic
use/ *NEUROSYPHILIS, drug therapy/
PENICILLIN, therapeutic use/ POTASSIUM
IODIDE, therapeutic use
1290. Goh KO: Total body irradiation and human
chromosomes. 3. Cytogenetic studies in patients with
malignant hematologic diseases treated with
total-body irradiation. Am J Med Sci 266:179-86, Sep 73
ACUTE DISEASE/ ADULT/ AGED/ CESIUM
ISOTOPES/ CHILD/ *CHROMOSOME
ABNORMALITIES, etiology/ *CHROMOSOMES,
HUMAN, 1-3/ *CHROMOSOMES, HUMAN, 6-12/
*CHROMOSOMES, HUMAN, 16-18/ FEMALE/
*HEMATOLOGIC DISEASES, radiotherapy/
HUMAN/ KARYOTYPING/ LEUKEMIA,
LYMPHOBLASTIC, radiotherapy/ LEUKEMIA,
MYELOBLASTIC, radiotherapy/ LEUKOCYTES/
LYMPHOMA, radiotherapy/ MALE/ MIDDLE
AGE/ *RADIATION GENETICS/
RADIOISOTOPES/ *RADIOTHERAPY, adverse
effects/ SEX CHROMOSOMES

AUTHOR SECTION

1291. Golsis M, Lami V: Nuovi indirizzi etiopatogenetici e terapeutici in tema di minacce d'aborto. *Minerva Ginecol* 25:481-92, Aug 73 (Ita)
*ABORTION, THREATENED/ ABORTION, THREATENED, etiology/ ABORTION, THREATENED, immunology/ ABORTION, THREATENED, therapy/ ADULT/
*AMINOCAPROIC ACID, therapeutic use/ BLOOD COAGULATION DISORDERS, complications/ ESTROGENS, metabolism/ FEMALE/ FIBRINOLYSIS, hiosynthesis/ HUMAN/ *KALLIKREIN-TRYPSIN INACTIVATOR, therapeutic use/ PEPTIDE HYDROLASES, biosynthesis/ PREGNANCY/ PROGESTATIONAL HORMONES, metabolism
1292. Gold RM: Hypothalamic obesity: the myth of the ventromedial nucleus. *Science* 182:488-90, 2 Nov 73
*APPETITE REGULATION/ DENERVATION/ FEMALE/ HUMAN/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ OBESITY/ RATS
1293. Goldberg HI, O'Kieffe D, Jenis EH, et al: Diffuse eosinophilic gastroenteritis. *Am J Roentgenol Radium Ther Nucl Med* 119:342-51, Oct 73
ADULT/ BIOPSY/ *EOSINOPHILS/ GASTROENTERITIS, drug therapy/ GASTROENTERITIS, pathology/ *GASTROENTERITIS, radiography/ HUMAN/ MALE/ PREDNISONE, therapeutic use
1294. Gol'del'man MG, Keller ON: Issledovanie skrytogo perioda proizvol'noy dvigatel'noy reaktsii i skorosti rasprostraneniya vobuzhdeniya po nlskhodiasbeblm dvigatel'nyy putiam u bol'nykh s porazheniem gipotalamusa. *Zh Nevropatol Psikhiatr* 73:363-6, 1973 (Rus)
*ENCEPHALITIS, physiology/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHALAMUS/ INFLUENZA, physiology/ MATHEMATICS/ MOTOR ACTIVITY/ NEURAL CONDUCTION/ *PYRAMIDAL TRACTS, physiology/ REACTION TIME/ RHEUMATISM, physiology
1295. Golden RL, Weigers EW, Meagher JG: Periodic fever and menses. *Am J Obstet Gynecol* 117:855-8, 15 Nov 73
ADULT/ ESTRADIOL, therapeutic use/ ETIOCHOLANOLONE, blood/ FEMALE/ HUMAN/ MENSTRUATION/ MENSTRUATION DISORDERS, drug therapy/ MESTRANOL, therapeutic use/ NORETHYNODREL, therapeutic use/ *PERIODIC DISEASE, diagnosis/ PERIODIC DISEASE, drug therapy
1296. Goldenfarh PB, Finch SC: Thrombotic thrombocytopenic purpura. A ten-year survey. *JAMA* 226:644-7, 5 Nov 73
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ASPIRIN, therapeutic use/ BIOPSY/ CHRONIC DISEASE/ DEXTRAN, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GINGIVA, pathology/ HEMODIALYSIS/ HEPARIN, therapeutic use/ HUMAN/ MALE/ PURPURA, THROMBOTIC THROMBOPENIC, drug therapy/ PURPURA, THROMBOTIC THROMBOPENIC, pathology/ *PURPURA, THROMBOTIC THROMBOPENIC, therapy/ REMISSION/ SPLENECTOMY/ TIME FACTORS
1297. Goldhaber P, Rahadilja L, Beyer WR, et al: Bone resorption in tissue culture and its relevance to periodontal disease. *J Am Dent Assoc* 87:1027-33, Oct 73 (18 ref.)
ALVEOLAR PROCESS, metabolism/ BONE DEVELOPMENT/ *BONE RESORPTION/ BONE RESORPTION, drug effects/ GINGIVA/ GINGIVA, physiology/ HUMAN/ HYDROXYPROLINE, chem synthesis/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MAST CELLS/ MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ PARTIAL PRESSURE/ *PERIODONTAL DISEASES/ PROTAGLANDINS, pharmacodynamics/ REVIEW/ TISSUE CULTURE/ TRITIUM, chem synthesis
1298. Goldin VA, Appukhami K: Tzuchenie serotoninina krovi dlia otsenki sposobov rezektsii zheludka. *Khlurgika (Mosk)* 49:50-3, Jul 73 (Rus)
DUMPING SYNDROME, etiology/ ENGLISH ABSTRACT/ *GASTRECTOMY, adverse effects/ HUMAN/ METHODS/ POSTGASTRECTOMY SYNDROMES, blood/ POSTGASTRECTOMY SYNDROMES, physiopathology/ *SEROTONIN, blood
1299. Goldman JK: In vivo effects of growth hormone on in vitro adipose tissue metabolism. *Horm Res* 4:207-12, 1973
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARBON RADIOISOTOPES/ DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, metabolism/ FASTING/ GLUCOSE, metabolism/ HYPOPHYSECTOMY/ MALE/ PALMITIC ACID, metabolism/ PITUITARY GLAND, physiology/ RATS/ *SOMATOTROPIN, pharmacodynamics/ STREPTOZOTOCIN
1300. Goldsmid JM, Melmed MH: A brief review of human porocephallasis with a report of the first case of human infection with *Armillifer* Spp. in Rhodesia. *Cent Afr J Med* 19:213-6, Oct 73
ADULT/ *ARTHROPODS/ DOGS/ FEMALE/ FOOD CONTAMINATION/ HUMAN/ OVARIAN DISEASES, etiology/ PARASITIC DISEASES, complications/ *PARASITIC DISEASES, occurrence/ RHODESIA/ SNAKES
1301. Goldsmith RS, Johnson WJ: Role of phosphate depletion and high dialysate calcium in controlling dialytic renal osteodystrophy. *Kidney Int* 4:154-60, Aug 73
ALUMINUM HYDROXIDE GEL, therapeutic use/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, administration & dosage/ CALCIUM, blood/ *CALCIUM, therapeutic use/ CARBONATES, therapeutic use/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYPERCALCEMIA, surgery/ KIDNEY FAILURE, CHRONIC, therapy/ PARATHYROID GLANDS, physiology/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, physiology/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, prevention & control/ VITAMIN D, metabolism
1302. Goldstein I, Hoffstein S, Gallin J, et al: Mechanisms of lysosomal enzyme release from human leukocytes: microtubule assembly and membrane fusion induced by a component of complement. *Proc Natl Acad Sci USA* 70:2916-20, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CHEMOTAXIS/ COLCHICINE, pharmacodynamics/ *COMPLEMENT/ COMPLEMENT, analysis/ CYTOCHALASIN B, pharmacodynamics/ DEPRESSION, CHEMICAL/ *ENZYMES, blood/ GEL FILTRATION/ GLUCURONIDASE, blood/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ HUMAN/ KINETICS/ LACTATE DEHYDROGENASE, blood/ LEUKOCYTES, cytology/ *LEUKOCYTES, enzymology/ *LYSOSOMES, enzymology/ *MICROTUBULES/ *PEROXIDASES, blood/ PROTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ ZYMOSAN, pharmacodynamics
1303. Goldstein RE, Hall CA, Epstein SE: Comparison of relative inotropic and chronotropic effects of propranolol, practolol, and sotalol. *Chest* 64:619-27, Nov 73
ADRENALECTOMY/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ DOGS/ DOSE-RESPONSE RELATIONSHIP,

AUTHOR SECTION

- DRUG/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART, drug effects/ *HEART RATE, drug effects/ ISOPROTERENOL, pharmacodynamics/ MALE/ METHODS/ PRACTOLOL, administration & dosage/ *PRACTOLOL, pharmacodynamics/ PROPANOLOL, administration & dosage/ *PROPANOLOL, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ RESERPINE, pharmacodynamics/ SOTALOL, administration & dosage/ *SOTALOL, pharmacodynamics/ STIMULATION, CHEMICAL
1304. Gollkov PP, Fominykh ES, Petrov AP: Prostoi kolichestvennyi metod opredeleniya al'dosterona v krovi nadpocheknikov krysa. Probl Endokrinol (Mosk) 19:109-14, Sep-Oct 73 (Rus) ADRENAL GLANDS, blood supply/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ METHODS/ RATS
1305. Gombe S, Apgar J, Hansel W: Effect of zinc deficiency and restricted food intake on plasma and pituitary LH and hypothalamic LRF in female rats. Biol Reprod 9:415-9, Nov 73 ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ *DEFICIENCY DISEASES, metabolism/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, pathology/ LH, blood/ *LH, metabolism/ LH-FSH RELEASING HORMONE, blood/ *LH-FSH RELEASING HORMONE, metabolism/ MALE/ NUTRITIONAL REQUIREMENTS/ PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY/ RATS/ *ZINC, metabolism
1306. Gombe S, Hansel W: Plasma luteinizing hormone (LH) and progesterone levels in heifers on restricted energy intakes. J Anim Sci 37:728-33, Sep 73 ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ CATTLE, metabolism/ *CATTLE, physiology/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CORN/ CORPUS LUTEUM, analysis/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ *LH, blood/ METHODS/ ORGAN WEIGHT/ PROGESTERONE, analysis/ *PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SILAGE
1307. Gomez-Dumm CL, Echave-Llanos JM: Further studies on the ultrastructure of the pars distalis of castrated male mice pituitary. Virchows Arch [Zellpathol] 13:145-52, 25 Jun 73 ANIMAL EXPERIMENTS/ *CASTRATION/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HYPERTROPHY/ LYSOSOMES/ MALE/ MICE/ MICE, INBRED C3H/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PITUITARY GLAND, pathology
1308. Gona O, Gona AG: Action of human placental lactogen on second metamorphosis in the newt Notophtalmus viridescens. Gen Comp Endocrinol 21:377-80, Oct 73 ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ DRUG SYNERGISM/ *METAMORPHOSIS, BIOLOGICAL, drug effects/ *PLACENTAL LACTOGEN, pharmacodynamics/ *SALAMANDERS, physiology/ THYROXINE, pharmacodynamics
1309. Gondos B: Late clinical and roentgen observations following Thorotrast administration. Clin Radiol 24:195-203, Apr 73 BARIUM SULFATE/ CAROTID ARTERY DISEASES, etiology/ CAROTID ARTERY, INTERNAL/ FEMALE/ *GRANULOMA, chemically induced/ GRANULOMA, etiology/ GRANULOMA, radiography/ HEMORRHAGE, etiology/ HEPATOMA, etiology/ HUMAN/ LYMPHOSARCOMA, etiology/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, etiology/ *NEOPLASMS, RADIATION-INDUCED/ OSTEOMALACIA, etiology/ RADIATION INJURIES/ *THORIUM DIOXIDE, adverse effects/ VOCAL CORD PARALYSIS, etiology
1310. Gonzales LW, Meisel S: Acid phosphatases of rabbit spermatozoa. I. Electrophoretic characterization of the multiple forms of acid phosphatase in rabbit spermatozoa and other semen constituents. Biochim Biophys Acta 320:166-79, 17 Aug 73 *ACID PHOSPHATASE, analysis/ ACID PHOSPHATASE, blood/ AGING/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ CYTOSOL, enzymology/ ELECTROPHORESIS, DISC/ EPIDIDYMIS/ ERYTHROCYTES, enzymology/ FLUORIDES, pharmacodynamics/ *ISOENZYMES, analysis/ MALE/ ORGANOIDS, enzymology/ PHOSPHOCREATINE, pharmacodynamics/ POLYVINYLPIRROLIDONE/ RABBITS/ *SEMEN, enzymology/ SPERMATOZOA, drug effects/ *SPERMATOZOA, enzymology/ TARTRATES, pharmacodynamics/ TESTIS/ TESTIS, growth & development/ VAS DEFERENS/ ZINC, pharmacodynamics
1311. Goodchild MC, Nelson R, Anderson CM: Cystic fibrosis and coeliac disease: coexistence in two children. Arch Dis Child 48:684-91, Sep 73 APPETITE DISORDERS, etiology/ BIOPSY/ BODY HEIGHT/ BODY WEIGHT/ *CELIAC DISEASE, complications/ CELIAC DISEASE, therapy/ CHILD/ CHILD, PRESCHOOL/ CHLORIDES, analysis/ *CYSTIC FIBROSIS, complications/ CYSTIC FIBROSIS, drug therapy/ CYSTIC FIBROSIS, therapy/ DIET THERAPY/ FEMALE/ GLUTEN/ HUMAN/ INFANT/ IRON, therapeutic use/ JEJUNUM, pathology/ PREDNISOLONE, therapeutic use/ SODIUM, analysis/ SWEAT, analysis/ VOMITING, etiology
1312. Goodman FR, Weiss GB, Alderdice MT: On the measurement of extracellular space in slices prepared from different rat brain areas. Neuropharmacology 12:867-73, Sep 73 ANIMAL EXPERIMENTS/ *BRAIN, cytology/ BRAIN, drug effects/ CARBON RADIOISOTOPES/ CEREBELLUM, cytology/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, cytology/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, cytology/ CORPUS STRIATUM, metabolism/ *EXTRACELLULAR SPACE/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, metabolism/ IN VITRO/ INULIN, diagnostic use/ MALE/ OUABAIN, pharmacodynamics/ RATS/ SODIUM ISOTOPES/ SUCROSE, diagnostic use/ TIME FACTORS
1313. Goodman FR, Weiss GB: Alteration of 5-hydroxytryptamine-14C efflux by nicotine in rat brain area slices. Neuropharmacology 12:955-65, Oct 73 ANIMAL EXPERIMENTS/ BICARBONATES, metabolism/ BRAIN, drug effects/ CALCIUM, metabolism/ CARBON RADIOISOTOPES/ *CEREBELLUM, metabolism/ *CEREBRAL CORTEX, metabolism/ *CORPUS STRIATUM, metabolism/ DESIPRAMINE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ *HYPOTHALAMUS, metabolism/ ILEUM, metabolism/ IN VITRO/ MALE/ MUSCLE, SMOOTH, metabolism/ *NICOTINE, pharmacodynamics/ PHENIPRAZINE, pharmacodynamics/ POTASSIUM, metabolism/ PROCAINE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ SODIUM, metabolism/ SODIUM ISOTOPES/ TEMPERATURE/ TIME FACTORS
1314. Goodman JW, Roelants GE, Byers VS: RNA-antigen complexes: mechanism of formation and the testing of a postulated mode of action. Ann NY Acad Sci 207:288-300, 31 May 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *ANTIGENIC DETERMINANTS/ *ANTIGENS/ BINDING SITES, ANTIBODY/ BLOOD SEDIMENTATION/ CELLS, CULTURED/ ESCHERICHIA COLI, immunology/ EXUDATES AND TRANSUDATES, immunology/ GUINEA

AUTHOR SECTION

- PIGS/ HELA CELLS, immunology/ LYMPHOID TISSUE, immunology/ MODELS, BIOLOGICAL/ *PERITONEUM, immunology/ *PROTEIN BINDING/ *RNA
1315. Goodman MT, Ackerman GA: The effects of antineoplastic agents on the respiratory activity of murine lymphocytic leukemia L1210. *Experientia* 29:1124-6, 15 Sep 73
*ANTINEOPLASTIC AGENTS, pharmacodynamics/ CELLS, CULTURED/ CHLORAMBUCIL, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *LEUKEMIA L1210, metabolism/ MECHLORETHAMINE, pharmacodynamics/ MERCAPTOPURINE, pharmacodynamics/ METHOTREXATE, pharmacodynamics/ MICE/ *OXYGEN CONSUMPTION, drug effects/ PREDNISONE, pharmacodynamics/ VINBLASTINE, pharmacodynamics
1316. Gopalan C, Srikantha SG: Nutrition and disease. *World Rev Nutr Diet* 16:97-140, 1973 (158 ref.)
ADULT/ ANEMIA, HYPOCHROMIC, etiology/ ANEMIA, MACROCYTIC, etiology/ ANTIBODY FORMATION/ BLOOD BACTERICIDAL ACTIVITY/ CHILD/ DEFICIENCY DISEASES, complications/ HEART DISEASES, etiology/ HUMAN/ IMMUNITY/ INFECTION/ INTESTINAL DISEASES, metabolism/ KWASHIORKOR/ MALABSORPTION SYNDROMES, complications/ METABOLIC DISEASES, complications/ NITROGEN, metabolism/ *NUTRITION DISORDERS/ NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, immunology/ OSTEOPOROSIS, complications/ PELLAGRA, etiology/ PHAGOCYTOSIS/ PROTEIN-CALORIE MALNUTRITION/ REVIEW/ VITAMIN A DEFICIENCY, etiology/ VITAMIN A DEFICIENCY, therapy/ VITAMIN B 12 DEFICIENCY, etiology
1317. Gordan GS, Halden A, Horn Y, et al: Calusterone (7beta,17alpha-dimethyltestosterone) as primary and secondary therapy of advanced breast cancer. *Oncology* 28:138-46, 1973
AGE FACTORS/ ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BLOOD CELL COUNT/ *BREAST NEOPLASMS, drug therapy/ CASTRATION/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HEPATITIS, TOXIC/ HUMAN/ LIVER, drug effects/ METHANE/ METHYLTESTOSTERONE, adverse effects/ *METHYLTESTOSTERONE, therapeutic use/ NEOPLASM METASTASIS/ OVARY/ TIME FACTORS
1318. Gorden P, Lesniak MA, Hendricks CM, et al: "Big" growth hormone components from human plasma: decreased reactivity demonstrated by radioreceptor assay. *Science* 182:829-31, 23 Nov 73
ACROMEGALY, blood/ BINDING SITES/ COMPARATIVE STUDY/ GEL FILTRATION/ HUMAN/ IODINE RADIOISOTOPES/ LYMPHOCYTES, metabolism/ METHODS/ MOLECULAR WEIGHT/ *RADIOIMMUNOASSAY/ *RADIOLIGAND ASSAY/ *SOMATOTROPIN, blood
1319. Gordin A: Serum thyrotrophin and circulating thyroglobulin antibodies in subjects with non-toxic goitre and in euthyroid subjects who had undergone subtotal thyroidectomy or radiolodine therapy. *Acta Endocrinol (Kbh)* 74:283-95, Oct 73
ADULT/ *ANTIBODIES/ CHOLESTEROL, blood/ FEMALE/ FINLAND/ FOLLOW-UP STUDIES/ GOITER, blood/ *GOITER, immunology/ GOITER, occurrence/ HEMAGGLUTINATION TESTS/ HUMAN/ HYPOTHYROIDISM, diagnosis/ IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ RECURRENCE/ *THYROGLOBULIN/ THYROID GLAND, anatomy & histology/ THYROIDECTOMY/ *THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
1320. Gordin A, Wägar G, Hernberg A: Serum thyrotrophin and response to thyrotrophin-releasing hormone in patients who are euthyroid after radiolodine treatment for hyperthyroidism. *Acta Med Scand* 194:335-40, Oct 73
ADENOMA, therapy/ ADULT/ AGED/ ANTIBODIES, analysis/ CHOLESTEROL, blood/ FEMALE/ FOLLOW-UP STUDIES/ GOITER, therapy/ GOITER, NODULAR, therapy/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ RADIATION DOSAGE/ RADIATION EFFECTS/ THYROGLOBULIN/ THYROID GLAND, radiation effects/ THYROID NEOPLASMS, therapy/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood
1321. Gordon AS, Lowe RJ: A bovine double monster: clinical, anatomical and embryological considerations. *Vet Rec* 93:87-9, 21 Jul 73
ANIMAL EXPERIMENTS/ BONE AND BONES, abnormalities/ CATTLE/ *CATTLE DISEASES, congenital/ CESAREAN SECTION, veterinary/ DYSTOCIA, veterinary/ FEMALE/ HEART DEFECTS, CONGENITAL, veterinary/ LIVER, abnormalities/ MALE/ MONSTERS, pathology/ *MONSTERS, veterinary/ PERITONEAL CAVITY, abnormalities/ PREGNANCY/ SPINAL CORD, abnormalities/ TWINS, CONJOINED, veterinary
1322. Goridis C, Neff NH: Neuronal and hormonal influences on the turnover of monoamine oxidase in salivary gland. *Biochem Pharmacol* 22:2501-10, 15 Oct 73
ANIMAL EXPERIMENTS/ CHORDA TYMPANI NERVE, physiology/ GANGLIA, SPINAL, physiology/ HALF-LIFE/ MITOCHONDRIA, enzymology/ *MONOAMINE OXIDASE, metabolism/ ORGAN WEIGHT/ PARGYLINE, pharmacodynamics/ PROTEINS, metabolism/ RATS/ *RESERPINE, pharmacodynamics/ SUBMANDIBULAR GLAND, cytology/ *SUBMANDIBULAR GLAND, drug effects/ *SUBMANDIBULAR GLAND, metabolism/ THYROID GLAND, physiology/ THYROIDECTOMY/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics/ TYRAMINE, metabolism
1323. Gorshein D, Besa EC, Gardner FH: Letter: Acute myelomonocytic leukemia after cessation of androgen therapy. *Ann Intern Med* 79:749-50, Nov 73
AGED/ *ANDROGENS, therapeutic use/ CELL DIFFERENTIATION, drug effects/ HUMAN/ *LEUKEMIA, MONOBLASTIC, etiology/ *LEUKEMIA, MYELOBLASTIC, etiology/ LEUKEMIA, MYELOCYTIC, drug therapy/ MALE/ PRECANCEROUS CONDITIONS
1324. Goswami SV, Sundararaj BI: Effect of actinomycin D, mitomycin C, puromycin, and cycloheximide on desoxycorticosterone-induced in vitro maturation in oocytes of the catfish, *Heteropneustes fossilis* (Bloch). *J Exp Zool* 185:327-32, Sep 73
ANIMAL EXPERIMENTS/ *CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ *DESOXYCORTICOSTERONE, pharmacodynamics/ FEMALE/ *FISHES, physiology/ *MITOMYCIN, pharmacodynamics/ *OVUM, drug effects/ OVUM, growth & development/ *PUROMYCIN, pharmacodynamics/ TIME FACTORS
1325. Göthert M, Tuchinda P: Zum Mechanismus der negativ chronotropen Wirkung von Halothan. *Anaesthesist* 22:334-8, Aug 73 (Ger)
ADRENALECTOMY/ ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CENTRAL NERVOUS SYSTEM, physiology/ ENGLISH ABSTRACT/ HALOTHANE, antagonists & inhibitors/ *HALOTHANE, pharmacodynamics/

AUTHOR SECTION

- HEART, drug effects/ *HEART RATE, drug effects/ MALE/ PARASYMPATHETIC NERVOUS SYSTEM, drug effects/ PROPRANOLOL, pharmacodynamics/ QUINIDINE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TETRAETHYLAMMONIUM COMPOUNDS, pharmacodynamics
1326. Gottlieb AA, Schwartz RH, Kudva SA, et al: The nature of antigen-ribonucleoprotein complexes. *Ann NY Acad Sci* 207:279-87, 31 May 73
ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENIC DETERMINANTS/ *ANTIGENS/ ANTIGENS, analysis/ *BINDING SITES, ANTIBODY/ CELL-FREE SYSTEM/ HYDROCORTISONE, pharmacodynamics/ IMMUNE ADHERENCE REACTION/ IMMUNITY/ IODINE ISOTOPES/ MACROPHAGES, immunology/ PERITONEUM, immunology/ *PROTEIN BINDING/ *RNA/ RNA, analysis
1327. Gottlieb JA, Gutterman JU, McCredle KB, et al: Chemotherapy of malignant lymphoma with adriamycin. *Cancer Res* 33:3024-8, Nov 73
ADRIAMYCIN, administration & dosage/ ADRIAMYCIN, adverse effects/ *ADRIAMYCIN, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DRUG THERAPY, COMBINATION/ HEMATOPOIETIC SYSTEM, drug effects/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ INJECTIONS, INTRAVENOUS/ LEUKEMIA, drug therapy/ *LYMPHOMA, drug therapy/ PREDNISONE, therapeutic use/ REMISSION/ VINCRISTINE, therapeutic use
1328. Gottwald W, Benos J, Schmidt H: Nekrotisierende Encephalitis mit bemerkenswerter neurologisch-psychiatrischer Symptomatik bei "maligne" verlaufender diffuser Sklerodermie. *Hautarzt* 24:342-7, Aug 73 (Ger)
ADULT/ CHILD/ CHILD, PRESCHOOL/ CYTOPLASMIC GRANULES/ DEPRESSION, etiology/ ECHOENCEPHALOGRAPHY/ ELECTROENCEPHALOGRAPHY/ *ENCEPHALITIS, diagnosis/ ENCEPHALITIS, etiology/ ENCEPHALITIS, pathology/ EUPHORIA/ FEMALE/ HUMAN/ HYPOTHALAMUS/ MALE/ *MENTAL DISORDERS, etiology/ MIDDLE AGE/ NECROSIS/ NEUROSES, ANXIETY, etiology/ PERSONALITY DISORDERS, etiology/ PNEUMOENCEPHALOGRAPHY/ PULMONARY EMBOLISM/ *SCLERODERMA, SYSTEMIC, complications/ VERTIGO, etiology
1329. Goudaert M, Danhiez P: Etude des maladies humaines par aberration chromosomique en odonto-stomatologie. *Rev Belge Med Dent* 28:195-202, 1973 (Fre)
*CHROMOSOME ABERRATIONS/ CLEFT LIP, familial & genetic/ CLEFT PALATE, familial & genetic/ CRANIOFACIAL DYSOSTOSIS, familial & genetic/ HUMAN/ *MAXILLOFACIAL DEVELOPMENT/ MICROCEPHALY, familial & genetic/ RETROGNATHISM, familial & genetic/ TURNER'S SYNDROME, familial & genetic
1330. Goulon M, Nouailhat F, Barois A, et al: Traitement de la myasthénie par les adrénocorticotrophines (ACTH et synacthène). A propos de 100 cures chez 25 malades. *Rev Neurol (Paris)* 127:457-70, Oct 72 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CHOLINESTERASE INHIBITORS, therapeutic use/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ EVALUATION/ STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, drug therapy/ POTASSIUM, urine/ SODIUM, urine/ SPIRONOLACTONE, therapeutic use/ THYMECTOMY/ THYMOMA, complications/ THYMUS NEOPLASMS, complications
- tritiated thyrotropin-releasing factor to a prolactin secreting clonal cell line (GH3). *Exp Cell Res* 82:39-46, Nov 73
AUTORADIOGRAPHY/ CELL LINE/ CELLS, CULTURED/ CLONE CELLS/ COMPARATIVE STUDY/ FIBROBLASTS/ MICE/ NEUROGLIA/ PEPTIDES, metabolism/ PITUITARY GLAND/ *PROLACTIN, biosynthesis/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RATS/ *THYROTROPIN RELEASING HORMONE, metabolism/ TIME FACTORS/ TRITIUM
1332. Gourdon J, Clos J, Coste C, et al: Comparative effects of hypothyroidism, hyperthyroidism and undernutrition on the protein and nucleic acid contents of the cerebellum in the young rat. *J Neurochem* 21:861-71, Oct 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ CELL DIVISION/ CEREBELLUM, anatomy & histology/ CEREBELLUM, growth & development/ *CEREBELLUM, metabolism/ *DNA, metabolism/ FETUS, drug effects/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, pathology/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, metabolism/ HYPOTHYROIDISM, pathology/ *NERVE TISSUE PROTEINS, metabolism/ *NUTRITION DISORDERS, metabolism/ NUTRITION DISORDERS, pathology/ ORGAN WEIGHT/ PROPYLTHIOURACIL, pharmacodynamics/ RATS/ *RNA, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYROXINE, pharmacodynamics
1333. Goyal HO, Dhingra LD: Postnatal study on the histology and histochemistry of mediastinum testis in buffalo (*Bubalus bubalis*) from birth to one year. *Acta Anat (Basel)* 86:65-70, 1973
AGE FACTORS/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ *BUFFALOES, anatomy & histology/ CARBOHYDRATES, analysis/ EPITHELIAL CELLS/ *EPITHELIUM, analysis/ FIBROBLASTS/ GLYCOGEN, analysis/ HISTOCYTOCHEMISTRY/ KARYOMETRY/ LIPIDS, analysis/ MALE/ MUCOPOLYSACCHARIDES, analysis/ TESTIS, analysis/ *TESTIS, cytology/ TESTIS, enzymology
1334. Goyal RK, Rattan S, Hersh T: Comparison of the effects of prostaglandins E1, E2, and A2, and of hypovolumic hypotension on the lower esophageal sphincter. *Gastroenterology* 65:608-12, Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESOPHAGOGASTRIC JUNCTION/ ESOPHAGOGASTRIC JUNCTION, drug effects/ ESOPHAGOGASTRIC JUNCTION, physiopathology/ FEMALE/ HEMORRHAGE, complications/ HYPOTENSION, chemically induced/ HYPOTENSION, etiology/ *HYPOTENSION, physiopathology/ INJECTIONS, INTRAVENOUS/ MALE/ *MUSCLE, SMOOTH, drug effects/ OPOSSUMS/ PENTOBARBITAL/ PRESSURE/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics
1335. Gozariu L, Ursu G, Vasile VA, et al: Factori serici de protecție al calcitoninei în disgenezia gonadală Turner. *Stud Cercet Endocrinol* 24:415-21, 1973 (Rum)
ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ *CALCITONIN, blood/ *CALCIUM, blood/ CALCIUM, metabolism/ HUMAN/ RATS/ *TURNER'S SYNDROME, blood/ TURNER'S SYNDROME, metabolism
1336. Gozlan RS, Margalith P: Iodide oxidation by a marine bacterium. *J Appl Bacteriol* 36:407-17, Sep 73
*IODIDES, metabolism/ OXIDATION-REDUCTION/ PEROXIDASES, metabolism/ PSEUDOMONAS, enzymology/ *PSEUDOMONAS, metabolism
1337. Grabowska M, Michaluk J, Antkiewicz L: Possible

AUTHOR SECTION

- involvement of brain serotonin in apomorphine-induced hypothermia.
Eur J Pharmacol 23:82-9, Jul 73
- ANIMAL EXPERIMENTS/ APOMORPHINE/
APOMORPHINE, antagonists & inhibitors/
BODY TEMPERATURE, drug effects/ BRAIN
CHEMISTRY/ BUTYROPHENONES,
pharmacodynamics/ DRUG INTERACTIONS/
HYDROXYINDOLEACETIC ACID, metabolism/
HYPOTHERMIA, chemically induced/
*HYPOTHERMIA, metabolism/ LYSERGIC
ACID DIETHYLAMIDE, pharmacodynamics/
MALE/ METHYLSERGIDE, pharmacodynamics/
MICE/ PIMOZIDE, pharmacodynamics/ RATS/
*SEROTONIN, metabolism/ SEROTONIN,
pharmacodynamics
1338. Grabstald H: Experimental aspects of renal tumors.
J Surg Oncol 5:509-16, May 73
ADENOCARCINOMA, chemically induced/
ADENOMA, chemically induced/ ALKYLATING
AGENTS/ ANIMAL EXPERIMENTS/
ANTHRAQUINONES/ AZO COMPOUNDS/
CARCINOMA, chemically induced/
DIETHYLSTILBESTROL/ ESTROGENS/
FROGS/ GLUCOSE/ HAMSTERS/ *KIDNEY
NEOPLASMS, etiology/ LACTONES/ LEAD/
MEDROXYPROGESTERONE/
METHYLGLYCOSIDES/ MICE/ NEOPLASMS,
EXPERIMENTAL, chemically induced/
NEOPLASMS, RADIATION-INDUCED/
NITROSAMINES/ ONCOGENIC VIRUSES/
PROGESTERONE/ RATS/ TESTOSTERONE
1339. Grace HJ, Edge WE: A white hermaphrodite in South
Africa. S Afr Med J 47:1553-4, 1 Sep 73
CASE REPORT/ CHILD, PRESCHOOL/
FEMALE/ GONADS, pathology/
*HERMAPHRODITISM/ HERMAPHRODITISM,
familial & genetic/ HERMAPHRODITISM,
pathology/ HUMAN/ INFANT, NEWBORN/
LYMPHOCYTES, cytology/ SEX
CHROMOSOMES
1340. Grachev II, Selverstov IuA, Usanova RI, et al: Villani
épifiza na follikulostimuliruiushehuu funkstliu
gipofiza.
Fiziol Zh SSSR 59:647-51, Apr 73 (Rus)
AGE FACTORS/ ANIMAL EXPERIMENTS/
CATTLE/ ENGLISH ABSTRACT/ FEMALE/
FSH, analysis/ *FSH, secretion/ INJECTIONS,
INTRAPERITONEAL/ MALE/ ORGAN
WEIGHT/ OVARY, drug effects/ *PINEAL
BODY, physiology/ PITUITARY GLAND,
analysis/ *PITUITARY GLAND, secretion/
RATS/ TIME FACTORS/ *TISSUE EXTRACTS,
pharmacodynamics
1341. Graef W: Zyto- und Myeloarchitektonik des
Mesencephalon beim Haushuhn (Gallus domesticus
L.). II. Zytoarchitektonik im mittleren Abschnitt.
Anat Anz 133:503-10, 1973 (Ger)
ANIMAL EXPERIMENTS/ *CHICKENS,
anatomy & histology/ HYPOTHALAMUS,
cytology/ *MESENCEPHALON, cytology/
OCULOMOTOR NERVE, cytology
1342. Graff WT, Warren RP, Steinmuller D: The effect of
incubation in vitro with triamcinolone acetate on
murine heart and skin allograft survival.
Transplantation 18:359-64, Oct 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ *GRAFT REJECTION, drug
effects/ HEART, anatomy & histology/
*HEART, transplantation/ MALE/ MICE/
MICE, INBRED CBA/ MICE, INBRED
STRAINS/ SKIN, anatomy & histology/ *SKIN,
transplantation/ SODIUM CHLORIDE,
pharmacodynamics/ TRANSPLANTATION,
HOMOLOGOUS/ *TRIAMCINOLONE
ACETONIDE, pharmacodynamics
1343. Gran L: Oxytocic principles of Oldenlandia affinis.
Lloydia 38:174-8, Jun 73
ANIMAL EXPERIMENTS/ CYSTINE, analysis/
FEMALE/ FOLKLORE/ IN VITRO/
MOLECULAR WEIGHT/ *OXYTOCICS,
isolation & purification/ OXYTOCICS,
pharmacodynamics/ PEPTIDES, analysis/
PEPTIDES, pharmacodynamics/ PLANT
- EXTRACTS, pharmacodynamics/ PLANTS,
MEDICINAL, analysis/ RATS/ SEROTONIN,
isolation & purification/
SPECTROPHOTOMETRY, ULTRAVIOLET/
UTERUS, drug effects/ ZAIRE
1344. Grant PS, McLaren A: Egg implantation and decidual
induction in cyclic mice after treatment with
progestagens and oestradiol.
J Reprod Fertil 34:415-21, Sep 73
AIR/ ANIMAL EXPERIMENTS/ *DECIDUA,
drug effects/ *ESTRADIOL,
pharmacodynamics/ ESTRUS/ FEMALE/
INJECTIONS/ MEDROXYPROGESTERONE,
pharmacodynamics/ MELENGESTROL,
pharmacodynamics/ MICE/ *NIDATION, drug
effects/ OVUM, transplantation/
*PROGESTATIONAL HORMONES,
pharmacodynamics/ PSEUDOPREGNANCY/
TIME FACTORS/ TRANSPLANTATION,
HOMOLOGOUS
1345. Grantmyre EB: Roentgenographic features of
"primary" hyperparathyroidism in infancy.
J Can Assoc Radiol 24:257-60, Sep 73
FEMALE/ FEMUR, radiography/ FEMUR
NECK, radiography/ FIBULA, radiography/
HUMAN/ HYPERPARATHYROIDISM, familial
& genetic/ *HYPERPARATHYROIDISM,
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*INFANT, NEWBORN, DISEASES, radiography/
RIBS, radiography/ SKULL, radiography/
THYMUS GLAND, radiography/ TIBIA,
radiography
1346. Grases PJ, Reutter W, Lesch R: Protective role of
prednisolone upon galactosamine-induced hepatitis in
rats. GEN 27:197-204, Oct-Dec 72
ALANINE AMINOTRANSFERASE, blood/
ALCOHOL OXIDOREDUCTASES, blood/
ANIMAL EXPERIMENTS/ ASPARTATE
AMINOTRANSFERASE, blood/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*GALACTOSAMINE/ *HEPATITIS, chemically
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HEPATITIS, enzymology/ INJECTIONS,
INTRAPERITONEAL/ PREDNISOLONE,
administration & dosage/ *PREDNISOLONE,
therapeutic use/ RATS/ SORBITOL
1347. Grassi A: Polluro-dipsia da sindrome diarroica nella
prima infanzia.
Minerva Pediatr 25:1184-97, 14 Aug 73 (Ita)
CHILD/ CHILD, PRESCHOOL/
DEHYDRATION, complications/ *DIABETES
INSIPIDUS, etiology/ DIABETES INSIPIDUS,
familial & genetic/ *DIARRHEA, INFANTILE,
complications/ ELECTROENCEPHALOGRAPHY/
FEMALE/ GASTROENTERITIS, complications/
HUMAN/ INFANT/ INFANT, NEWBORN/
INFANT NUTRITION DISORDERS,
complications/ KIDNEY FUNCTION TESTS/
MALE/ PEDIGREE/ THYROID GLAND
FUNCTION TESTS/ WATER-ELECTROLYTE
BALANCE
1348. Grassi A: Diabete nefrogeno.
Minerva Pediatr 25:1155-83, 14 Aug 73 (Ita)
ADOLESCENCE/ BLOOD CELL COUNT/
CHILD/ CHILD, PRESCHOOL/ CHOLESTEROL,
blood/ *DIABETES INSIPIDUS, familial &
genetic/ DIABETES INSIPIDUS, pathology/
DIAGNOSIS, DIFFERENTIAL/ DIURESIS/
DWARFISM, etiology/
ELECTROENCEPHALOGRAPHY/
ELECTROLYTES, analysis/ HUMAN/ INFANT/
INTELLIGENCE TESTS/ KIDNEY, pathology/
MALE/ MENTAL RETARDATION, etiology/
PEDIGREE/ PITUITARY-ADRENAL
FUNCTION TESTS/ SWEAT, analysis/
THYROID GLAND FUNCTION TESTS
1349. Gray GM: II. Medical treatment of inflammatory bowel
disease. West J Med 119:21-4, Nov 73
ADMINISTRATION, ORAL/ AZATHIOPRINE,
therapeutic use/ *COLITIS, ULCERATIVE,
drug therapy/ ENEMA/ *ENTERITIS,
REGIONAL, drug therapy/
GLUCOCORTICIDS, administration & dosage/
HUMAN/ HYDROCORTISONE, therapeutic use/

AUTHOR SECTION

- OPIUM, therapeutic use/ PREDNISOLONE, therapeutic use/ PREDNISON, therapeutic use/ PROPANTHLINE BROMIDE, therapeutic use/ SALICYLAZOSULFAPYRIDINE, therapeutic use
1350. Gray HW, Hooper LA, Greig WR: A simplified method for measuring thyroidal uptake of technetium-99m using directional counting. *J Endocrinol* 59:1-5, Oct 73
GOITER, metabolism/ HUMAN/
HYPERTHYROIDISM, metabolism/
HYPOTHYROIDISM, metabolism/ INJECTIONS, INTRAVENOUS/ METHODS/ MYXEDEMA, metabolism/ TECHNETIUM, administration & dosage/ *TECHNETIUM, metabolism/
*THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROIDITIS, LYMPHOMATOUS, metabolism/ TIME FACTORS
1351. Gray JL, Robinson WA: Combination chemotherapy of advanced Hodgkin's disease.
Rocky Mt Med J 70:33-7, Oct 73
COLORADO/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG COMBINATIONS/
FOLLOW-UP STUDIES/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, pathology/ HUMAN/ *PREDNISON, therapeutic use/ REMISSION/ VINBLASTINE, therapeutic use/ *VINCISTINE, therapeutic use
1352. Gray SP, Chandler H, Bouskill KC, et al: Feminising interstitial cell tumour of the testis.
J R Nav Med Serv 59:71-6, Summer 73
ADULT/ CASTRATION/ ESTROGENS, urine/ GYNECOMASTIA, etiology/ HUMAN/ *LEYDIG CELL TUMOR, complications/ MALE/
*TESTICULAR FEMINIZATION, etiology/
*TESTICULAR NEOPLASMS, complications/
TESTICULAR NEOPLASMS, pathology
1353. Gray TK, Bleberdorf FA, Fordtran JS: Thyrocalcitonin and the jejunal absorption of calcium, water, and electrolytes in normal subjects.
J Clin Invest 52:3084-8, Dec 73
ADULT/ BICARBONATES, metabolism/
BIOLOGICAL TRANSPORT/ *CALCITONIN, pharmacodynamics/ CALCITONIN, physiology/
CALCIUM, blood/ *CALCIUM, metabolism/
CHLORIDES, metabolism/ HUMAN/
HYDROGEN-ION CONCENTRATION/
*INTESTINAL ABSORPTION/ *INTESTINAL ABSORPTION, drug effects/ *JEJUNUM, metabolism/ *POTASSIUM, metabolism/
*SODIUM, metabolism/ *WATER, metabolism/
WATER-ELECTROLYTE BALANCE
1354. Grazi E: Molecular properties and metabolic control of the "ureotelic" arginase from chicken liver.
Acta Vitaminol Enzymol (Milano) 27:37-50, 1973
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ AMINO ACIDS, analysis/
ANIMAL EXPERIMENTS/ *ARGINASE, analysis/ ARGINASE, biosynthesis/ ARGINASE, metabolism/ CHICKENS/ DIETARY PROTEINS, pharmacodynamics/ FASTING/
HYDROCORTISONE, pharmacodynamics/
INSULIN, pharmacodynamics/ *LIVER, enzymology/ RATS
1355. Greaves MW, McDonald-Gibson W: Effect of nonsteroid anti-inflammatory and antipyretic drugs on prostaglandin biosynthesis by human skin.
J Invest Dermatol 61:127-9, Sep 73
ACETAMINOPHEN, pharmacodynamics/
*ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARACHIDONIC ACID, metabolism/ ASPIRIN, pharmacodynamics/ CHLOROQUINE, pharmacodynamics/ CULTURE MEDIA/
FEMALE/ HUMAN/ IN VITRO/
INDOMETHACIN, pharmacodynamics/
*PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, isolation & purification/
SKIN, drug effects/ *SKIN, metabolism/
TRITIUM
1356. Greaves MW, McDonald-Gibson W: Itch: role of prostaglandins. *Br Med J* 3:608-9, 22 Sep 73
ADOLESCENCE/ ADULT/ AGED/
BRADYKININ, pharmacodynamics/ CHILD/
DRUG SYNERGISM/ EDEMA, chemically induced/ ERYTHEMA, chemically induced/
FEMALE/ HISTAMINE, pharmacodynamics/
HUMAN/ INFLAMMATION, chemically induced/ MALE/ MIDDLE AGE/
*PROSTAGLANDINS, pharmacodynamics/
*PRURITUS, chemically induced/ SKIN TESTS
1357. Green N, Melbye RW, Kern W: Radiotherapy for suspected lung cancer not proved by tissue diagnosis.
Chest 64:476-9, Oct 73
ADENOCARCINOMA, mortality/
ADENOCARCINOMA, pathology/
*ADENOCARCINOMA, radiotherapy/ ADULT/
AGED/ BIOPSY/ CARCINOMA, EPIDERMOID, mortality/ *CARCINOMA, EPIDERMOID, mortality/ CARCINOMA, EPIDERMOID, pathology/ *CARCINOMA, EPIDERMOID, radiotherapy/ CARCINOMA, OAT CELL, mortality/ *CARCINOMA, OAT CELL, mortality/ CARCINOMA, OAT CELL, pathology/ *CARCINOMA, OAT CELL, radiotherapy/ COBALT RADIOISOTOPES/
FEMALE/ HUMAN/ LUNG NEOPLASMS, mortality/ LUNG NEOPLASMS, pathology/
LUNG NEOPLASMS, radiography/ *LUNG NEOPLASMS, radiotherapy/ MALE/ MIDDLE AGE/ RADIATION INJURIES/ RADIOISOTOPE TELETHERAPY/ SPUTUM, cytology
1358. Green WR, Maumenee AE, Sanders TE, et al: Sympathetic uveitis following evisceration.
Trans Am Acad Ophthalmol Otolaryngol 76:625-44, May-Jun 72
ADULT/ AGED/ CATARACT, etiology/
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PREDNISON, therapeutic use/ RETINA, pathology/ RETINAL DETACHMENT, etiology/
RETINAL DISEASES, etiology/ SCLERA, pathology/ *UVEITIS, etiology/ VITREOUS BODY, pathology
1359. Greenberg A, Coleman M: Depressed whole blood serotonin levels associated with behavioral abnormalities in the de Lange syndrome.
Pediatrics 52:720-4, Nov 73
ADOLESCENCE/ ADULT/ AGGRESSION/
BEHAVIOR/ CHILD/ *DE LANGE'S SYNDROME, blood/ DE LANGE'S SYNDROME, metabolism/ FEMALE/ HUMAN/
HYPERKINESIS, etiology/ HYPOTHALAMUS, physiopathology/ MALE/ MARYLAND/
MENTAL RETARDATION/ *SEROTONIN, blood/ SEROTONIN, metabolism/ THYROID GLAND, physiopathology
1360. Greenberg S, Englebrecht JA, Wilson WR: Cardiovascular pharmacology of prostaglandin B1 and B2 in the intact dog.
Proc Soc Exp Biol Med 143:1008-13, Sep 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BLOOD VESSELS, drug effects/
CONSTRICTION/ DILATATION/ DOGS/
FEMALE/ *HEART, drug effects/ HEART ATRIUM, drug effects/ HEART RATE, drug effects/ HEART VENTRICLE, drug effects/
HINDLIMB, blood supply/ MALE/
*PROSTAGLANDINS, pharmacodynamics/
PULMONARY ARTERY, drug effects/
VASCULAR RESISTANCE, drug effects
1361. Greenberg S, Long JP, Diecke FP: Effect of prostaglandins on arterial and venous tone and calcium transport.
Arch Int Pharmacodyn Ther 204:373-89, Aug 73
ANIMAL EXPERIMENTS/ *ARTERIES, drug effects/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ DOGS/ DOSE-RESPONSE

AUTHOR SECTION

- RELATIONSHIP, DRUG/ IN VITRO/
MESENTERIC ARTERIES, drug effects/
MESENTERIC VEINS, drug effects/
METATARSUS, blood supply/ *MUSCLE,
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metabolism/ *MUSCLE TONUS, drug effects/
*PROSTAGLANDINS, pharmacodynamics/
STATISTICS/ TIBIA, blood supply/ TIME
FACTORS/ *VEINS, drug effects
1362. Greenblatt RB, Stahl NL: Constitutional hirsutism: endocrinopathy or genetic curse.
J Reprod Med 11:96-8, Sep 73
ADRENAL GLANDS/ ADULT/ ANDROGENS,
metabolism/ *ENDOCRINE DISEASES,
complications/ FEMALE/ HAIR, growth &
development/ *HIRSUTISM, etiology/
HIRSUTISM, familial & genetic/ HUMAN/
OVARY, blood supply/ SKIN, metabolism/
TESTICULAR FEMINIZATION, blood/
TESTOSTERONE, blood/ VEINS
1363. Greene JA 3d, Rivecca JN: How mercurial diuretics work. Mich Med 72:617-8 passim, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
antagonists & inhibitors/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT,
ACTIVE/ BUFO MARINUS/ CELL
MEMBRANE PERMEABILITY, drug effects/
*DIURETICS, MERCURIAL, pharmacodynamics/
HUMAN/ KIDNEY TUBULES, drug effects/
SODIUM, metabolism/ VASOPRESSIN,
antagonists & inhibitors
1364. Greene PJ, Sussman HH: Structural comparison of ectopic and normal placental alkaline phosphatase.
Proc Natl Acad Sci USA 70:2936-40, Oct 73
*ALKALINE PHOSPHATASE, analysis/
ALKALINE PHOSPHATASE, isolation &
purification/ AMINO ACID SEQUENCE/
*CARCINOMA, enzymology/
CHROMATOGRAPHY, DEAE-CELLULOSE/
COMPARATIVE STUDY/ CROSS REACTIONS/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ FEMALE/ HUMAN/ IMMUNOASSAY/
ISOELECTRIC FOCUSING/ ISOENZYMES,
analysis/ *LUNG NEOPLASMS, enzymology/
MALE/ MOLECULAR WEIGHT/ PEPTIDES,
analysis/ *PLACENTA, enzymology
1365. Greene RM, Kochhar DM: Spatial relations in the oral cavity of cortisone-treated mouse fetuses during the time of secondary palate closure.
Teratology 8:153-61, Oct 73
ANIMAL EXPERIMENTS/ *CLEFT PALATE,
chemically induced/ *CORTISONE, toxicity/
FEMALE/ FETUS, drug effects/ FREEZING/
GESTATIONAL AGE/ METHODS/ MICE/
MICE, INBRED ICR/ MICROTOMY/ *PALATE,
embryology/ PALATE, growth & development/
PREGNANCY/ SKULL, embryology
1366. Greenwald GS: Effect of an anti-PMS serum on ovulation and estrogen secretion in the PMS-treated hamster. Biol Reprod 9:437-46, Nov 73
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/
*ESTROGENS, secretion/ ESTRONE, blood/
FEMALE/ GONADOTROPINS,
pharmacodynamics/ *GONADOTROPINS,
EQUINE, antagonists & inhibitors/ GRAAFIAN
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INTRAPERITONEAL/ MICE/ *OVULATION,
drug effects/ PREGNANCY, ANIMAL/
RABBITS, immunology/ RADIOIMMUNOASSAY
1367. Greenwood RD, Murphy RC, Traisman HS: Anhidrotic ectodermal dysplasia: infant with hypomagnesemia and secondary hypocalcemia.
South Med J 66:1068-9, Sep 73
*ECTODERMAL DYSPLASIA, complications/
ECTODERMAL DYSPLASIA, familial &
genetic/ HUMAN/ *HYPOCALCEMIA,
complications/ INFANT, NEWBORN/
*INFANT, NEWBORN, DISEASES,
complications/ *MAGNESIUM, blood/ MALE/
TETANY, complications
1368. Greeson TP, Levan NE, Freedman RI, et al: Corticosteroid-induced vasoconstriction studied by xenon 133 clearance.
J Invest Dermatol 61:242-4, Oct 73
ADOLESCENCE/ ADULT/ FEMALE/
FOREARM, blood supply/
*GLUCOCORTICOID, TOPICAL,
pharmacodynamics/ HUMAN/ MALE/ MIDDLE
AGE/ RADIOISOTOPES/ REGIONAL BLOOD
FLOW, drug effects/ *SKIN, blood supply/
SKIN, drug effects/ *VASOCONSTRICTOR
AGENTS/ XENON
1369. Gregg EC, Thurstone FL, Epp ER: Ultrasound in diagnostic medicine. A report from the radiation Study Section of the National Institutes of Health.
Radiology 109:732-42, Dec 73
ANEURYSM, diagnosis/ AORTIC DISEASES,
diagnosis/ BLOOD FLOW VELOCITY/ BRAIN
NEOPLASMS, diagnosis/
ECHOCARDIOGRAPHY/ EXOPHTHALMOS,
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ULTRASONICS, adverse effects/
*ULTRASONICS, diagnostic use/
ULTRASONICS, instrumentation/ UNITED
STATES/ UNITED STATES NATIONAL
INSTITUTES OF HEALTH
1370. Gregory MC, Hughes JT: Intracranial reticulum cell sarcoma associated with immunoglobulin A deficiency.
J Neurol Neurosurg Psychiatry 36:769-76, Oct 73
BRAIN NEOPLASMS, cerebrospinal fluid/
*BRAIN NEOPLASMS, complications/ BRAIN
NEOPLASMS, drug therapy/ BRAIN
NEOPLASMS, pathology/ CEREBRAL
VENTRICLES, pathology/ CEREBROSPINAL
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SARCOMA, RETICULUM CELL, cerebrospinal
fluid/ *SARCOMA, RETICULUM CELL,
complications/ SARCOMA, RETICULUM CELL,
drug therapy/ SARCOMA, RETICULUM CELL,
pathology
1371. Gresik EW, Quirk JG, Hamilton JB: Fine structure of the Sertoli cell of the testis of the teleost *Oryzias latipes*. Gen Comp Endocrinol 21:341-52, Oct 73
ANIMAL EXPERIMENTS/ ENDOPLASMIC
RETICULUM/ EPITHELIAL CELLS, cytology/
*FISHES, anatomy & histology/ GLYCOGEN,
analysis/ MALE/ MICROSCOPY, ELECTRON/
PHAGOCYTOSIS/ *SERTOLI CELLS, cytology/
SPERMATOGENESIS
1372. Grieco PA, Reap JJ: Prostaglandins. A total synthesis of (plus or minus)-11,15-dideoxy-PGE₂ and (plus or minus)-11-deoxy-PGE₂ methyl ester.
J Org Chem 38:3413-5, 21 Sep 73
ESTERS, chem synthesis/ NUCLEAR
MAGNETIC RESONANCE/
*PROSTAGLANDINS, chem synthesis/
SPECTROPHOTOMETRY, INFRARED/
SPECTRUM ANALYSIS, MASS
1373. Grier HJ: Ultrastructure of the testis in the teleost *Poecilia latipinna*. Spermiogenesis with reference to the intercentriolar lamellated body.
J Ultrastruct Res 45:82-92, Oct 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE/
CELL NUCLEUS/ CHROMATIN/ *FISHES,
anatomy & histology/ FLAGELLA/ MALE/
MICROSCOPY, ELECTRON/
MORPHOGENESIS/ *SPERMATOOZOA, cytology/
*TESTIS, cytology
1374. Griffin JH, Alazard R, Cohen P: Complex formation between bovine neurophysin-I and oxytocin, vasopressin, and tripeptide analogs of their NH₂-terminal region. Absorbance and circular dichroism difference spectroscopic studies.

AUTHOR SECTION

- J Biol Chem 248:7075-8, 10 Dec 73
AMINES/ AMINO ACID SEQUENCE/ BINDING
SITES/ CATTLE/ CHEMISTRY/ CIRCULAR
DICHROISM/ COMPARATIVE STUDY/
CYSTINE/ EVALUATION STUDIES/
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*OLIGOPEPTIDES/ *OXYTOCIN/
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PROTEIN CONFORMATION/ PROTEINS,
analysis/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ TYROSINE/ TYROSINE,
analysis/ *VASOPRESSIN
1375. Griffiths EC, Hooper KC, Jeffcoate SL, et al: Letter:
Possible control of luteinizing-hormone-releasing
hormone by enzymatic degradation.
Lancet 2:882, 13 Oct 73
ANIMAL EXPERIMENTS/ GONADOTROPINS,
PITUITARY, secretion/ GONADS, physiology/
*LH-FSH RELEASING HORMONE, secretion/
MSH, physiology/ RATS
1376. Griffiths HJ, Zimmerman RE, Bailey G, et al: The use of
photon absorptiometry in the diagnosis of renal
osteodystrophy. Radiology 109:277-81, Nov 73
ABSORPTION/ ADOLESCENCE/ ADULT/
AGED/ BONE AND BONES, analysis/
CALCIUM, analysis/ *DENSITOMETRY,
X-RAY/ FEMALE/ HEMODIALYSIS/ HUMAN/
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OSTEODYSTROPHY, radiography/ TIME
FACTORS/ TRANSPLANTATION,
HOMOLOGOUS/ UNITED STATES/ UREMIA,
complications/ UREMIA, pathology
1377. Griffiths PJ, Littleton JM, Ortiz A, et al: Evidence of a
role for brain monoamines in ethanol dependence.
Br J Pharmacol 48:354P, Jun 73
ALCOHOL, ETHYL, pharmacodynamics/
*ALCOHOLISM, metabolism/ ANIMAL
EXPERIMENTS/ *BIOGENIC AMINES,
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METHYLTYROSINES, pharmacodynamics/
MICE/ NOREPINEPHRINE, analysis/
SEROTONIN, analysis/ TIME FACTORS/
TYROSINE HYDROXYLASE, antagonists &
inhibitors
1378. Grigorescu A, Vilee CA: Antagonistic effects of
dihydrotestosterone and cyproterone acetate on the
synthesis of RNA.
Blochim Biophys Acta 319:165-73, 24 Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/
CELL NUCLEUS, metabolism/
CENTRIFUGATION, DENSITY GRADIENT/
COMPARATIVE STUDY/ *CYPROTERONE,
pharmacodynamics/ CYTIDINE, metabolism/
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SPECTROPHOTOMETRY, ULTRAVIOLET/
STANOLONE, antagonists & inhibitors/
*STANOLONE, pharmacodynamics/ TIME
FACTORS/ TRITUM
1379. Grillmaier RE: Untersuchungen über den
Zusammenhang zwischen Strahlendosis, Bildung
freier Radikale und Erzeugung von
Chromosomenaberrationen bei Lymphozyten.
Ann Univ Sarav [Med] 20:1-89, 1973 (Ger)
ANIMAL EXPERIMENTS/ CELL MEMBRANE/
CELL SURVIVAL/ *CHROMOSOME
ABERRATIONS/ CHROMOSOMES/ DOGS/
DOSE-RESPONSE RELATIONSHIP,
RADIATION/ ELECTRON SPIN RESONANCE/
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effects/ METHODS/ MICROSCOPY,
ELECTRON/ MITOSIS, radiation effects/
*RADIATION EFFECTS/ SEX CHROMATIN/
SPECTRUM ANALYSIS
1380. Grimes EM, Fayed JA, Miller GL: Cushing's syndrome
and pregnancy. Obstet Gynecol 42:550-9, Oct 73
ADENOMA, complications/ ADENOMA,
pathology/ ADENOMA, surgery/ ADRENAL
GLAND NEOPLASMS, complications/
ADRENAL GLAND NEOPLASMS, pathology/
ADRENAL GLAND NEOPLASMS, surgery/
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COMPLICATIONS, diagnosis/ PREGNANCY
COMPLICATIONS, drug therapy/ PREGNANCY
COMPLICATIONS, radiography/ PREGNANCY
COMPLICATIONS, surgery
1381. Grimes GJ, Barnes FS: A technique for studying
chemotaxis of leukocytes in well-defined chemotactic
fields. Methods Cell Biol 6:325-44, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
CELLS, CULTURED/ *CHEMOTAXIS/
*CYTOLOGICAL TECHNIQUES/ DIFFUSION/
HUMAN/ *LEUKOCYTES, physiology/
MATHEMATICS
1382. Grinshtein AB, Shevchenko SI:
Reoñtsefalograficheskie issledovaniia u bol'nykh
mevritom litsevoogo nerva pri lechenii ultrazvukom i
fonoforezom gidrokortizona.
Vopr Kurortol Fizioter Lech Fiz Kult 38:230-3,
May-Jun 73 (Rus)
ACUTE DISEASE/ ADOLESCENCE/ ADULT/
CHILD/ *ELECTROENCEPHALOGRAPHY/
FACIAL PARALYSIS, drug therapy/ *FACIAL
PARALYSIS, therapy/ FEMALE/ HUMAN/
*HYDROCORTISONE, TOPICAL, therapeutic
use/ *IONTOPHORESIS/ MALE/ MIDDLE
AGE/ *PLETHYSMOGRAPHY, IMPEDANCE/
*ULTRASONIC THERAPY
1383. Griscelli C, Phan-Huu-Trung, Herzog C, et al: Le
syndrome de Wiskot-Aldrich. Données récentes à
propos de quatre observations.
Nouv Rev Fr Hematol 13:554-68, Jul-Aug 73 (47 ref.)
(Fre)
ALDRICH SYNDROME/ ALDRICH
SYNDROME, blood/ ALDRICH SYNDROME,
etiology/ ALDRICH SYNDROME, familial &
genetic/ ALDRICH SYNDROME, immunology/
ALDRICH SYNDROME, physopathology/
ALDRICH SYNDROME, therapy/
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MEGAKARYOCYTES/ MICROSCOPY,
ELECTRON/ PREDNISONE, therapeutic use/
REVIEW/ SKIN MANIFESTATIONS/
SPLENOMEGALY
1384. Grishina RA: O vozmozhnykh prichinakh
posleoperatsionnogo zlokachestvennogo ekzozh'ma.
Vrach Delo 6:123-4, Jun 73 (Rus)
ADOLESCENCE/ ADULT/ *EXOPHTHALMOS,
etiology/ FEMALE/ HUMAN/ MALE/ MIDDLE
AGE/ *POSTOPERATIVE COMPLICATIONS

AUTHOR SECTION

1385. Groer PG, Marshall JH: Mechanism of calcium exchange at bone surfaces.
Calcif Tissue Res 12:175-92, 1973
ANIMAL EXPERIMENTS/ APATITES/
AUTORADIOGRAPHY/ *BONE AND BONES,
metabolism/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ COMPARATIVE
STUDY/ DOGS/ HUMAN/ MATHEMATICS/
RABBITS/ SURFACE PROPERTIES
1386. Groliman A, Krishnamurty VS: Contractile response of the aorta of the normotensive and acute and chronic hypertensive rat.
Arch Int Pharmacodyn Ther 203:376-87, Jun 73
ACUTE DISEASE/ ANIMAL EXPERIMENTS/
*AORTA, drug effects/ *BLOOD PRESSURE,
drug effects/ CALCIUM, metabolism/
CHRONIC DISEASE/ DOSE-RESPONSE
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HYDROXYTRYPTOPHAN, administration &
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pharmacodynamics/ POTASSIUM CHLORIDE,
administration & dosage/ *POTASSIUM
CHLORIDE, pharmacodynamics/ RABBITS/
RATS
1387. Groshong T, Mendelson L, Mendoza S, et al: Serum IgE in patients with minimal-change nephrotic syndrome.
J Pediatr 83:767-71, Nov 73
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ ADULT/
BIOPSY/ BLOOD/ CHILD/ CHILD,
PRESCHOOL/ CYCLOPHOSPHAMIDE,
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pathology/ KIDNEY DISEASES, blood/
*NEPHROTIC SYNDROME, blood/
NEPHROTIC SYNDROME, drug therapy
1388. Gruber J, Saffer P, Bogner H: Die Reproduktionsleistung von Zuchtsauen bei 7tägiger Säugedauer, Flushing-Fütterung und Brunststeuerung mit Methallibur 33828.
Berl Munch Tierärztl Wochenschr 86:351-3, 15 Sep 73 (Ger)
ALLYL COMPOUNDS, pharmacodynamics/
ANIMAL EXPERIMENTS/ *ANIMAL
NUTRITION/ ENGLISH ABSTRACT/ *ESTRUS,
drug effects/ FEMALE/ MALE/ PREGNANCY/
*REPRODUCTION, drug effects/ *SWINE/
*THIOUREA, pharmacodynamics/ TIME
FACTORS
1389. Gruden N: Calcium metabolism in the rat in relation to prolonged administration of tetracyclines.
Calcif Tissue Res 13:41-6, 1973
ANIMAL EXPERIMENTS/ BONE AND BONES,
analysis/ CALCIUM, analysis/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
FEEDING BEHAVIOR/ FEMALE/ FEMUR,
anatomy & histology/ INTESTINAL
ABSORPTION/ ORGAN WEIGHT/
*OXYTETRACYCLINE, pharmacodynamics/
RATS
1390. Grundmann M, Bayer A, Vrublovsky P, et al: Effects of chloroquine on the adrenocortical function. I. Concentration of chloroquine and morphological changes in the suprarenal gland of rats on long-term administration of chloroquine.
Z Rheumaforsch 32:306-12, Jul-Aug 73
ADMINISTRATION, ORAL/ ADRENAL
GLANDS, analysis/ ADRENAL GLANDS,
anatomy & histology/ *ADRENAL GLANDS,
drug effects/ ADRENAL GLANDS,
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BODY WEIGHT/ CHLOROQUINE, analysis/
*CHLOROQUINE, pharmacodynamics/
FEMALE/ ORGAN WEIGHT/ RATS/ TIME
FACTORS
1391. Gruzdev IuK: Dinamika likvornogo davlenia pri narkoze s iskusstvennoy ventilatsiei legkikh.
Vopr Neirokhir 36:7-11, Sep-Oct 72 (Rus)
ADOLESCENCE/ ADULT/ *ANESTHESIA,
GENERAL/ ARACHNOIDITIS, surgery/ BRAIN
NEOPLASMS, surgery/ ENGLISH ABSTRACT/
EXOPHTHALMOS, surgery/ HEMATOMA,
SUBDURAL, surgery/ HUMAN/
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MIDDLE AGE/ PREANESTHETIC
MEDICATION/ PSEUDOTUMOR CEREBRI,
surgery/ *RESPIRATION, ARTIFICIAL/
TRIGEMINAL NEURALGIA, surgery
1392. Gryfe CI: Bone loss in primary hyperparathyroidism.
Can Med Assoc J 109:479-82, 15 Sep 73
ADOLESCENCE/ ADULT/ AGED/ *BONE
DISEASES, etiology/ CHILD/ FEMALE/
HAND, radiography/ HUMAN/
*HYPERPARATHYROIDISM, complications/
HYPERPARATHYROIDISM, radiography/
MALE/ METACARPUS, radiography/ MIDDLE
AGE/ OSTEITIS FIBROSA CYSTICA, etiology
1393. Grynspan A, Bryk D: Roentgen diagnosis of fetal death in twin and intra-abdominal gestations.
J Can Assoc Radiol 24:289-91, Sep 73
ABDOMEN, radiography/ ADULT/ BONE AND
BONES, radiography/ FEMALE/ *FETAL
DEATH, radiography/ HUMAN/
HYSTEROSALPINGOGRAPHY/ PREGNANCY/
*PREGNANCY, ABDOMINAL, radiography/
SKULL, radiography/ TIME FACTORS/
*TWINS
1394. Grzelakowska-Sztabert B: Adenozyno 3',5'-monofosforan jako regulator wzrostu komórek in vitro. Postepy Blochem 19:423-45, 1973 (Pol)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
biosynthesis/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ADENYL
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NEOPLASTIC/ DNA, biosynthesis/ HELA
CELLS, enzymology/ L CELLS, enzymology/
*MITOSIS/ PHOSPHODIESTERASES,
metabolism/ TIME FACTORS
1395. Guéguen L, Besançon P: Influence des sulfates sur le métabolisme phospho-calcique. I. Utilisation du sulfate de calcium par le mouton.
Ann Biol Anim Blochim Biophys 12:589-98, 1972 (Fre)
ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ BONE AND BONES, metabolism/
*CALCIUM, metabolism/ CALCIUM, urine/
CALCIUM CARBONATE, metabolism/
CALCIUM RADIOISOTOPES/ ENGLISH
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KIDNEY TUBULES, metabolism/
MATHEMATICS/ *PHOSPHORUS, metabolism/
SHEEP/ STRUCTURE-ACTIVITY
RELATIONSHIP/ SULFATES, metabolism/
*SULFATES, pharmacodynamics
1396. Guelrud M, Rudick J, Janowitz HD: Adenosin monofosfato cíclico (AMP cíclico) y secreción enzimática del páncreas.
GEN 27:125-33, Oct-Dec 72 (Spa)
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ANIMAL
EXPERIMENTS/ BICARBONATES, analysis/
CHLORINE, analysis/ DOGS/ ENGLISH
ABSTRACT/ INJECTIONS, INTRAVENOUS/
*PANCREAS, enzymology/ PANCREAS,
secretion/ *PANCREATIC JUICE, enzymology/
PANCREATIC JUICE, secretion/
*PANCREOZYMIN, pharmacodynamics/
PROTEINS, secretion/ SECRETIN,
pharmacodynamics/ STIMULATION,
CHEMICAL/ *THEOPHYLLINE,
pharmacodynamics/ TIME FACTORS
1397. Guignard JP, Torrado A: Proximal renal tubular acidosis in vitamin D deficiency rickets.
Acta Paediatr Scand 62:543-6, Sep 73
ACIDOSIS, RENAL TUBULAR, drug therapy/
*ACIDOSIS, RENAL TUBULAR, etiology/
ACIDOSIS, RENAL TUBULAR, metabolism/
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AUTHOR SECTION

- HYPERPARATHYROIDISM, drug therapy/
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blood/ *RICKETS, complications/ RICKETS,
drug therapy/ RICKETS, metabolism/
VITAMIN D, therapeutic use
1398. Guilbault GG, Froehlich PM: Rapid, sensitive, and
selective assay for tryptophan in serum.
Clin Chem 19:1112-3, Oct 73
FORMALDEHYDE/ HUMAN/ INDOLEACETIC
ACID/ METHODS/ SEROTONIN/
SPECTROMETRY, FLUORESCENCE/
TRYPTAMINES/ *TRYPTOPHAN, blood
1399. Guilleux JC, Raynal F, Magous R, et al: Détermination
de coefficients de sédimentation par la méthode du
partage de radioactivité. Application aux protéines à
l'état de traces.
Biochimie 55:435-42, 1973 (Fre)
ANIMAL EXPERIMENTS/ CATTLE/ CELL
NUCLEOLUS, enzymology/ ENGLISH
ABSTRACT/ ESTRADIOL/ METHODS/
*PHOSPHOTRANSFERASES, analysis/
PROTEIN BINDING/ *PROTEINS, analysis/
*RECEPTORS, HORMONE, analysis/ *RNA
POLYMERASE, analysis/ *SERUM ALBUMIN,
BOVINE, analysis/ TRITIUM/
*ULTRACENTRIFUGATION
1400. Guldberg HC: Transmittersystemenes betydning for
hjernens funksjon.
Tidsskr Nor Laegeforen 93:1305-9, 20 Jun 73 (Nor)
ACETYLCHOLINE, physiology/ AMINO ACIDS,
physiology/ AMINO BUTYRIC ACID,
physiology/ ANIMAL EXPERIMENTS/ *BRAIN,
physiology/ BRAIN MAPPING/ DOPAMINE,
physiology/ ENGLISH ABSTRACT/ HUMAN/
MICE/ *NEURAL TRANSMISSION/
NOREPINEPHRINE, physiology/ RATS/
RECEPTORS, DRUG/ SEROTONIN, physiology
1401. Gunaga KP, Menon KM: Effect of catecholamines and
ovarian hormones on cyclic AMP accumulation in rat
hypothalamus.
Biochem Biophys Res Commun 54:440-8, 5 Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ *CATECHOLAMINES,
pharmacodynamics/ DOPAMINE,
pharmacodynamics/ EPINEPHRINE,
pharmacodynamics/ *ESTRADIOL,
pharmacodynamics/ FEMALE/
HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, metabolism/ IN VITRO/
NOREPINEPHRINE, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/ RATS/
SEROTONIN, pharmacodynamics/
THEOPHYLLINE, pharmacodynamics/ TIME
FACTORS
1402. Günther T, Schmalbeck J, Merker HJ: Gehalt des
braunen Fettgewebes der Ratte an Noradrenalin und
zyklischem AMP im Magnesiummangel.
Z Klin Chem Klin Biochem 11:233-6, Jun 73 (Ger)
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ BROWN FAT, cytology/
BROWN FAT, innervation/ *BROWN FAT,
metabolism/ COMPARATIVE STUDY/
HISTOCYTOCHEMISTRY/ LIVER, metabolism/
*MAGNESIUM DEFICIENCY, metabolism/
MALE/ MICROSCOPY, ELECTRON/
MICROSCOPY, FLUORESCENCE/
MYOCARDIUM, metabolism/
*NOREPINEPHRINE, metabolism/ ORGAN
SPECIFICITY/ RATS/ STAINS AND
STAINING/ TIME FACTORS
1403. Günthner W: Ganzkörperplethysmographische
Untersuchungen zur Wirksamkeit verschiedener
inhalierbarer Kortikosteroide bei obstruktiven
Atemwegkrankheiten.
Ther Ggw 112:1143-4 passim, Jul 73 (Ger)
AEROSOLS/ AIRWAY RESISTANCE/
CLINICAL RESEARCH/ COMPARATIVE
STUDY/ *DEXAMETHASONE, administration &
dosage/ HUMAN/ *ISONICOTINIC ACID,
administration & dosage/ *LUNG DISEASES,
OBSTRUCTIVE, drug therapy/
ORCIPRENALINE, administration & dosage/
PLACEBOS/ *PLETHYSMOGRAPHY, WHOLE
BODY
1404. Gunz FW, Levi JA, Lind DE, et al: Development of acute
leukaemia in a patient with lymphosarcoma.
NZ Med J 78:71-5, 25 Jul 73
AUTOPSY/ BONE MARROW, pathology/
BONE MARROW CELLS, cytology/
*CHLORAMBUCIL, adverse effects/ HUMAN/
IMMUNOGLOBULINS, blood/ KARYOTYPING/
*LEUKEMIA, MYELOBLASTIC, etiology/
LEUKEMIA, MYELOBLASTIC, familial &
genetic/ LEUKEMIA, MYELOBLASTIC,
pathology/ LYMPH NODES, pathology/
LYMPHOSARCOMA, complications/
LYMPHOSARCOMA, drug therapy/
LYMPHOSARCOMA, enzymology/
LYMPHOSARCOMA, immunology/
LYMPHOSARCOMA, pathology/
*LYMPHOSARCOMA, therapy/ MALE/
MIDDLE AGE/ MURAMIDASE, blood/
NEOPLASMS, MULTIPLE PRIMARY,
pathology/ *PREDNISONE, adverse effects
1405. Gupta BN, Vos JG, Moore JA, et al: Pathologic effects
of 2,3,7,8-tetrachlorodibenzo-p-dioxin in laboratory
animals. Environ Health Perspect 5:125-40, Sep 73
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ CHLOROBENZENES, toxicity/
DIET/ *DIOXINS, toxicity/ FEMALE/ GUINEA
PIGS/ HEMORRHAGE, chemically induced/
HEMORRHAGE, pathology/ HEPATITIS,
TOXIC, etiology/ HEPATITIS, TOXIC,
pathology/ KIDNEY, pathology/ KIDNEY
DISEASES, chemically induced/ KIDNEY
DISEASES, pathology/ LIVER, drug effects/
LIVER, pathology/ MALE/ MICE/
MICROSCOPY, ELECTRON/ MYOCARDIUM,
pathology/ RATS/ SPECIES SPECIFICITY/
THYMUS GLAND, drug effects/ THYMUS
GLAND, pathology/ THYROID GLAND,
pathology
1406. Gupta SP, Kumar V, Ahuja MM: Evaluation of Achilles
reflex time as a test of thyroid function.
South Med J 66:754-8, Jul 73
*ACHILLES TENDON, physiopathology/
ADOLESCENCE/ ADULT/ BASAL
METABOLISM/ CHILD/ COMPARATIVE
STUDY/ EVALUATION STUDIES/ FEMALE/
HUMAN/ HYPERTHYROIDISM, diagnosis/
HYPOTHYROIDISM, diagnosis/ MALE/
METHODS/ MIDDLE AGE/ PROTEIN-BOUND
IODINE TEST/ *REFLEX, TENDON/ SERUM
ALBUMIN, RADIO-IODINATED, metabolism/
*THYROID GLAND FUNCTION TESTS/ TIME
FACTORS
1407. Guraya SS: Histochemical observations on the
interstitial (Leydig) cells of the snake testis.
Acta Morphol Acad Sci Hung 21:1-12, 1973
HISTOCYTOCHEMISTRY/ *LEYDIG CELLS,
analysis/ LIPIDS, analysis/ SEASONS/
SNAKES/ SPERMATOGENESIS/ STAINS AND
STAINING
1408. Gurevitch AW, Farrell W, Horlick S, et al:
Incontinentia pigmenti: a systemic genodermatosis
with striking cutaneous findings.
Clin Pediatr (Phila) 12:396-401, Jul 73
*ABNORMALITIES, MULTIPLE/ *CENTRAL
NERVOUS SYSTEM DISEASES, etiology/ EYE,
abnormalities/ FEMALE/ HUMAN/ INFANT/
INFANT, NEWBORN/ NAILS, MALFORMED/
*NEVUS, PIGMENTED/ *PIGMENTATION
DISORDERS, diagnosis/ PIGMENTATION
DISORDERS, pathology/ PREGNANCY/ SEX
DETERMINATION/ SEX FACTORS/ *SKIN
DISEASES, diagnosis/ SKIN DISEASES,
pathology/ TOOTH ABNORMALITIES
1409. Gurpide E, Glebenhain M, Stolee A, et al: Stimulation of
16alpha-hydroxylation of dehydroisandrosterone
sulfate by diethylstilbestrol.
J Clin Endocrinol Metab 37:867-72, Dec 73
AGED/ CARBON RADIOISOTOPES/
*DEHYDROEPIANDROSTERONE, metabolism/
DEHYDROEPIANDROSTERONE, urine/

AUTHOR SECTION

- *DIETHYLSTILBESTROL, metabolism/ DIETHYLSTILBESTROL, therapeutic use/ HUMAN/ HYDROXYLATION/ MALE/ *MEDROXYPROGESTERONE, metabolism/ MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, metabolism/ SULFATES, metabolism/ TRITIUM
1410. Guseva VA: Izuchenie gonadotropnogo efekta u krysa-samtsov pod vozdeystviem formal'degida pri odnovermennom ego postuplenii s vozdukhom i vodoi. *Gig Sanit* 37:102-3, Oct 72 (Rus)
ANIMAL EXPERIMENTS/ *FORMALDEHYDE, pharmacodynamics/ MALE/ NUCLEIC ACIDS, analysis/ RATS/ REPRODUCTION, drug effects/ TESTIS, analysis/ *TESTIS, drug effects/ TIME FACTORS
1411. Gustafson DH, Kestly JJ, Ludke RL, et al: Probabilistic information processing: implementation and evaluation of a Semi-PIP diagnostic system. *Comput Biomed Res* 6:355-70, Aug 73
COSTS AND COST ANALYSIS/ *DIAGNOSIS, COMPUTER ASSISTED/ EVALUATION STUDIES/ HUMAN/ METHODS/ PROBABILITY/ STATISTICS/ THYROID DISEASES, diagnosis
1412. Gustavil B: Studies on the mode of action of intra-amniotically and extra-amniotically injected hypertonic saline in therapeutic abortion. *Acta Obstet Gynecol Scand [Suppl]* 1-22, 1973
*ABORTION, INDUCED/ ACID PHOSPHATASE, metabolism/ AMNIOCENTESIS/ AMNION/ AMNIOTIC FLUID, drug effects/ AUTOLYSIS/ CELL MEMBRANE PERMEABILITY, drug effects/ CONTRAST MEDIA/ DECIDUA, cytology/ DECIDUA, drug effects/ ENZYME ACTIVATION/ FEMALE/ HUMAN/ HYPERTONIC SOLUTIONS/ HYSTEROSALPINGOGRAPHY/ INJECTIONS/ OSMOTIC PRESSURE/ PLACENTA, cytology/ PREGNANCY/ PROSTAGLANDINS, metabolism/ SODIUM, metabolism/ *SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, pharmacodynamics/ TROPHOBLAST, cytology/ TROPHOBLAST, drug effects
1413. Guth L: Fact and artifact in the histochemical procedure for myofibrillar ATPase. *Exp Neurol* 41:440-50, Nov 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ AMMONIUM COMPOUNDS/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHLORIDES, pharmacodynamics/ COBALT/ FEMALE/ HISTOCYTOCHEMISTRY/ MITOCHONDRIA, MUSCLE, drug effects/ MITOCHONDRIA, MUSCLE, enzymology/ MYOFIBRILS, drug effects/ *MYOFIBRILS, enzymology/ PHOSPHATES, metabolism/ RATS/ STAINS AND STAINING/ SULFIDES, pharmacodynamics
1414. Gutierrez Martín M, Gómez Casal F: Acción de los corticosteroides sobre la actividad mieloperoxidasa. *Folla Clin Int (Barc)* 23:491-6, Jul-Aug 73 (Spa)
ANIMAL EXPERIMENTS/ *BONE MARROW, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ LEUKOCYTES, enzymology/ MICE/ *PEROXIDASES, analysis/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, pharmacodynamics
1415. Gutman Y, Krausz M: Drinking induced by dextran and histamine: relation to kidneys and renin. *Eur J Pharmacol* 23:256-63, Sep 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ BLOOD UREA NITROGEN/ *DEXTRAN, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ *DRINKING BEHAVIOR, drug effects/ *HISTAMINE, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, physiology/ LIGATION/ MALE/ NEPHRECTOMY/ POTASSIUM, blood/ PROPRANOLOL, pharmacodynamics/ RATS/ *RENIN, blood/ SODIUM, blood/ STIMULATION, CHEMICAL/ TIME FACTORS/ URETER, physiology
1416. Gutmann E, Hanzlíková V: Functional and histochemical properties of the persistent levator ani muscle in female rats. *Folia Morphol (Praha)* 21:142-3, 1973
*ADENOSINE TRIPHOSPHATASE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANUS/ ANUS, physiology/ FEMALE/ HISTOCYTOCHEMISTRY/ MUSCLE CONTRACTION/ *MUSCLES/ MUSCLES, enzymology/ MUSCLES, physiology/ RATS/ SEX FACTORS/ *SUCCINATE DEHYDROGENASE, metabolism/ TESTOSTERONE, pharmacodynamics
1417. Gutzwiller P: Psoriasis pustulosa generalisata von Zumbusch und Jodüberempfindlichkeit. *Dermatologica* 146:323-8, 1973 (Ger)
CASE REPORT/ CORTICOTROPIN, therapeutic use/ DRUG HYPERSENSITIVITY/ ENGLISH ABSTRACT/ ERYTHROMYCIN, therapeutic use/ FEMALE/ FOOD HYPERSENSITIVITY/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ IODINE/ MIDDLE AGE/ *PSORIASIS, chemically induced
1418. Gutzwiller P: Porphyrie und Ovulationshemmer. *Dermatologica* 146:342-5, 1973 (Ger)
ADULT/ ALCOHOLIC BEVERAGES, adverse effects/ BLOODLETTING/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FECES, analysis/ FEMALE/ HUMAN/ *PORPHYRIA, chemically induced/ PORPHYRIA, therapy/ PORPHYRINS, analysis/ PORPHYRINS, urine
1419. Guze SB: Editorial: Hereditary transmission of psychiatric illness. *Am J Psychiatry* 130:1377-8, Dec 73
AFFECTIVE DISTURBANCES, familial & genetic/ BLOOD GROUPS/ DISEASES IN TWINS/ ENVIRONMENT/ HUMAN/ LINKAGE (GENETICS)/ *MENTAL DISORDERS, familial & genetic/ MENTAL DISORDERS, occurrence/ PEDIGREE/ SCHIZOPHRENIA, familial & genetic/ SEX CHROMOSOME ABNORMALITIES
1420. Haage H, Ratheke J, Wand H: Harnabflubbstörungen durch atypischen Verlauf der rechten Vena ovarica. *Radiologe* 13:299-301, Jul 73 (Ger)
ADULT/ ANGIOGRAPHY/ FEMALE/ HUMAN/ *OVARY, blood supply/ TOMOGRAPHY, RADIOGRAPHIC/ *URETERAL OBSTRUCTION, etiology/ URETERAL OBSTRUCTION, radiography/ URETERAL OBSTRUCTION, surgery/ UROGRAPHY/ *VEINS, abnormalities
1421. Haar MB ter, MacKinnon PC: Changes in serum gonadotrophin levels, and in protein levels and in vivo incorporation of (35S)methionine into protein of discrete brain areas and the anterior pituitary of the rat during the oestrous cycle. *J Endocrinol* 58:563-76, Sep 73
AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CEREBRAL VENTRICLES, metabolism/ CIRCADIAN RHYTHM/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ ESTRUS, drug effects/ FEMALE/ *FSH, blood/ *LH, blood/ *METHIONINE, metabolism/ OVARY, physiology/ *PITUITARY GLAND, metabolism/ PROTEINS, biosynthesis/ RADIOIMMUNOASSAY/ RATS/ SULFUR RADIOISOTOPES/ THALAMUS, metabolism
1422. Haar MB ter, MacKinnon PC: Changes in protein content and in vivo incorporation of (35S)methionine into protein of discrete brain areas of the rat over puberty: sexual differences. *Brain Res* 60:209-18, 28 Sep 73
AGE FACTORS/ AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, growth & development/ *BRAIN, metabolism/ FEMALE/ GANGLIA, BASAL, metabolism/

AUTHOR SECTION

- HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ MALE/ *METHIONINE, metabolism/ *NERVE TISSUE PROTEINS, biosynthesis/ *PUBERTY/ RATS/ SEX FACTORS/ SULFUR RADIOISOTOPES/ SUPERIOR COLLICULUS, metabolism/ TESTOSTERONE, pharmacodynamics/ THALAMUS, metabolism
1423. Habib MA, Donaldson JC, Burningham RA: Hodgkin's disease of the colon. South Med J 66:1067-8, Sep 73
ADULT/ BIOPSY/ COLONIC NEOPLASMS, drug therapy/ *COLONIC NEOPLASMS, pathology/ COLONIC NEOPLASMS, radiography/ COLONIC NEOPLASMS, surgery/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ *HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiography/ HODGKIN'S DISEASE, surgery/ HUMAN/ LYMPH NODES, pathology/ MECHLORETHAMINE, therapeutic use/ PREDNISON, therapeutic use/ PROCARBAZINE, therapeutic use/ VINCRISTINE, therapeutic use
1424. Hachmeister U: Hyperplasie von Prolaktinzellen nach Östrogentherapie beim Prostatacarcinom. Verh Dtsch Ges Krebsforsch 56:535-9, 1972 (Ger)
ENGLISH ABSTRACT/ *ESTROGENS, adverse effects/ HUMAN/ HYPERPLASIA/ LONG TERM CARE/ MALE/ *PITUITARY DISEASES, chemically induced/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, pathology/ PROLACTIN, secretion/ *PROSTATIC NEOPLASMS, drug therapy
1425. Hádík T, Palkovič M: Effect of perinatal administration of sex hormones on lipid metabolism in adult rats. Endocrinol Exp (Bratisl) 7:221-6, Sep 73
ADRENAL GLANDS, analysis/ AGE FACTORS/ ANIMALS, NEWBORN/ CHOLESTEROL, analysis/ CHOLESTEROL, blood/ *ESTRADIOL, pharmacodynamics/ FATTY ACIDS, analysis/ *FATTY ACIDS, blood/ FATTY ACIDS, NONESTERIFIED, analysis/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ MALE/ RATS/ *TESTOSTERONE, pharmacodynamics/ TRIGLYCERIDES, analysis/ TRIGLYCERIDES, blood
1426. Hacker RR, Stefanovic MP, Batra TR: Effects of cold exposure on growing pigs: growth, body composition and 17-ketosteroids. J Anim Sci 37:739-44, Sep 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *BODY COMPOSITION/ BODY WEIGHT/ CALCIUM, analysis/ *COLD/ ENVIRONMENTAL EXPOSURE/ EPIDIDYMIS, anatomy & histology/ HUMIDITY/ INTESTINE, SMALL, anatomy & histology/ *17-KETOSTEROIDS, urine/ KIDNEY, anatomy & histology/ LIVER, anatomy & histology/ MALE/ ORGAN WEIGHT/ PHOSPHORUS, analysis/ PROTEINS, analysis/ SWINE, anatomy & histology/ *SWINE, growth & development/ SWINE, physiology/ TESTIS, anatomy & histology
1427. Hackl H: Beobachtungen über eine Typenverschiebung des Lungenkrebses im letzten Jahrzehnt. Med Welt 24:568-72, 13 Apr 73 (Ger)
*ADENOCARCINOMA, occurrence/ ADENOCARCINOMA, pathology/ AUSTRIA/ *CARCINOMA, BRONCHIOLAR, occurrence/ CARCINOMA, BRONCHIOLAR, pathology/ *CARCINOMA, BRONCHOGENIC, occurrence/ CARCINOMA, BRONCHOGENIC, pathology/ *CARCINOMA, EPIDERMOID, occurrence/ CARCINOMA, EPIDERMOID, pathology/ *CARCINOMA, OAT CELL, occurrence/ CARCINOMA, OAT CELL, pathology/ FEMALE/ HUMAN/ LUNG NEOPLASMS, occurrence/ *LUNG NEOPLASMS, pathology/ MALE/ TIME FACTORS
1428. Hackmann E, Wirz-Justice A, Lichtsteiner M: The uptake of dopamine and serotonin in rat brain during progesterone decline. Psychopharmacologia 32:183-91, 1973
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ CIRCADIAN RHYTHM/ *DOPAMINE, metabolism/ FEMALE/ HYPOTHALAMUS, metabolism/ IN VITRO/ MENOPAUSE/ *PREMENSTRUAL TENSION, etiology/ PREMENSTRUAL TENSION, metabolism/ PROGESTERONE, blood/ PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ *PROGESTERONE, physiology/ PUERPERIUM/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM
1429. Haddad JG Jr, Hahn TJ: Natural and synthetic sources of circulating 25-hydroxyvitamin D in man. Nature 244:515-6, 24 Aug 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ *CHOLECALCIFEROL, biosynthesis/ CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY/ *DIET/ *ERGOCALCIFEROL/ ERGOCALCIFEROL, metabolism/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROL, blood/ MALE/ MIDDLE AGE/ *SKIN, metabolism/ SUNLIGHT
1430. Haddox MK, Nicol SE, Goldberg ND: pH induced increase in cyclic GMP reactivity with cyclic AMP-dependent protein kinases. Biochem Biophys Res Commun 54:1444-50, 15 Oct 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ *PROTEIN KINASE, metabolism/ TRITIUM/ UTERUS, enzymology
1431. Haddy F: Editorial: Potassium deficiency and heart function. J Chronic Dis 26:467-9, Aug 73
ADENOSINE TRIPHOSPHATASE, metabolism/ CALCIUM, metabolism/ *HEART, physiopathology/ HEART DISEASES, etiology/ HUMAN/ HYPERNATREMIA, complications/ HYPOKALEMIA, complications/ HYPOKALEMIA, physiopathology/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ *POTASSIUM DEFICIENCY, physiopathology
1432. Hadházy P, Illés P, Knoll J: The effects of PGE1 on responses to cardiac vagus nerve stimulation and acetylcholine release. Eur J Pharmacol 23:251-5, Sep 73
*ACETYLCHOLINE, metabolism/ ANIMAL EXPERIMENTS/ CATS/ DEPRESSION, CHEMICAL/ GANGLIA, physiology/ GUINEA PIGS/ *HEART ATRIUM, innervation/ HEART RATE, drug effects/ ILEUM, metabolism/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, metabolism/ NERVE ENDINGS, physiology/ NEURAL TRANSMISSION, drug effects/ NICITATING MEMBRANE, drug effects/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ *PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS/ *VAGUS NERVE, physiology
1433. Hadley JC: Proceedings: Variations in peripheral blood concentrations of progesterone and total free oestrogens in the non-pregnant bitch. Vet Rec 93:77, 21 Jul 73
ANIMAL EXPERIMENTS/ *DOGS, physiology/ *ESTROGENS, blood/ ESTRUS/ FEMALE/ *PROGESTERONE, blood/ TIME FACTORS
1434. Haeger K: Anadur--ein 19-Nortestosteron-Derivat zur Behandlung von Ulcera crurum arterioscleroticum. Munch Med Wochenschr 115:1368-71, 3 Aug 73 (Ger)
ADULT/ AGED/ *ARTERIOSCLEROSIS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEG ULCER, drug therapy/ LEG ULCER, etiology/ MALE/ MIDDLE AGE/ *NANDROLONE, therapeutic use/ PROPIONATES, therapeutic use/ TIME FACTORS/ VARICOSE ULCER, drug therapy

AUTHOR SECTION

1435. Hage E: Electron microscopic identification of several types of endocrine cells in the bronchial epithelium of human fetuses.
Z Zellforsch Mikrosk Anat 141:401-12, 3 Aug 73
BIOGENIC AMINES/ CELL NUCLEUS/
CELLULAR INCLUSIONS/ CILIA/
CYTOPLASMIC GRANULES/ DESMOSOMES/
ENDOPLASMIC RETICULUM/ EPITHELIAL
CELLS, cytology/ EPITHELIUM, secretion/
*FETUS, cytology/ HORMONES/ HUMAN/
LUNG, cytology/ *LUNG, embryology/
MICROSCOPY/ MICROSCOPY, ELECTRON/
PEPTIDES
1436. Hagedorn HH, Fallon AM: Ovarian control of vitellogenin synthesis by the fat body in *Aedes aegypti*. *Nature* 244:103-5, 13 Jul 73
*ADIPOSE TISSUE, metabolism/ *AEDES,
metabolism/ ANIMAL EXPERIMENTS/
ANTIGEN-ANTIBODY REACTIONS/ BLOOD/
CARRIER PROTEINS/ *EGG PROTEINS,
biosynthesis/ FEEDING BEHAVIOR/ FEMALE/
IMMUNE SERUMS/ IN VITRO/
*LIPOPROTEINS, biosynthesis/ OVARIAN
DISEASES/ OVARY, physiology/ *OVARY,
secretion/ PHENYLALANINE, metabolism/
*PHOSPHOPROTEINS, biosynthesis/ TRITIUM
1437. Hagler L, Herman RH: Oxalate metabolism. IV. *Am J Clin Nutr* 26:1073-9, Oct 73 (180 ref.)
ANIMAL EXPERIMENTS/ BLADDER
CALCULI, complications/ BLADDER CALCULI,
etiology/ CALCINOSIS, complications/
CALCINOSIS, etiology/ CALCIUM, metabolism/
ETHYLENE, poisoning/ GLYCOLS,
metabolism/ GLYCOLS, poisoning/ HUMAN/
KIDNEY CALCULI, complications/ KIDNEY
CALCULI, etiology/ KIDNEY DISEASES,
etiology/ METABOLIC DISEASES,
complications/ METABOLIC DISEASES,
etiology/ METABOLIC DISEASES, familial &
genetic/ METHOXYFLURANE, metabolism/
METHOXYFLURANE, poisoning/ OXALATES,
blood/ *OXALATES, metabolism/ OXALATES,
urine/ REVIEW/ URIC ACID, metabolism
1438. Hagopian M, Gershon MD, Nunez EA: Ultrastructural changes in cardiac muscle cells after administration of reserpine, parachlorophenylalanine, or 6-hydroxydopamine. The relationship of the changes to depletion of serotonin or norepinephrine. *Lah Invest* 29:562-9, Nov 73
ANIMAL EXPERIMENTS/ AXONS/
CHIROPTERA/ DEPRESSION, CHEMICAL/
FEMALE/ *HEART, drug effects/
HISTOCYTOCHEMISTRY/
*HYDROXYDOPAMINE, pharmacodynamics/
LIPIDS, analysis/ MALE/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA, drug effects/
MITOCHONDRIA, MUSCLE, drug effects/
MYOCARDIUM, analysis/ *MYOCARDIUM,
pathology/ NOREPINEPHRINE, analysis/
RECEPTORS, ADRENERGIC, drug effects/
*RESERPINE, pharmacodynamics/ SEROTONIN,
analysis
1439. Hagenauer JP: Les surdités par lésion du tronc cérébral.
Rev Otonéuroophthalmol 45:69-74, Jan-Fev 73 (Fre)
ADULT/ AGED/ AUDIOMETRY/ *BRAIN
NEOPLASMS, complications/ *BRAIN STEM/
*CEREBROVASCULAR DISORDERS,
complications/ CHILD/ *DEAFNESS, etiology/
FEMALE/ GLIOMA, complications/ HUMAN/
MALE/ MEDULLOBLASTOMA, complications/
MIDDLE AGE/ MULTIPLE SCLEROSIS,
complications/ PARALYSIS, BULBAR,
complications/ PINEALOMA, complications/
VESTIBULAR FUNCTION TESTS
1440. Hagenauer JP: L'intervention de King dans le traitement des paralysies des dilatateurs. A propos de 5 observations.
Ann Otolaryngol Chir Cervicofac 90:299-305, Apr-May 73 (Fre)
ADULT/ AGED/ COMA, etiology/ DYSPNEA,
etiology/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ *LARYNX, surgery/ MALE/
METHODS/ MIDDLE AGE/ POSTOPERATIVE
CARE/ RESPIRATION/ THYROIDECTOMY,
adverse effects/ TRACHEOTOMY/ VOCAL
CORD PARALYSIS, complications/ VOCAL
CORD PARALYSIS, etiology/ *VOCAL CORD
PARALYSIS, surgery/ VOICE
1441. Haldri AA, Gwatkin RB: Requirements for the maturation of hamster oocytes from preovulatory follicles. *J Reprod Fertl* 35:173-6, Oct 73
AMINO ACIDS, metabolism/ ANIMAL
EXPERIMENTS/ CELLS, CULTURED/
CULTURE MEDIA/ FEMALE/
FERTILIZATION/ GONADOTROPINS, EQUINE,
pharmacodynamics/ *GRAAFIAN FOLLICLE,
physiology/ HAMSTERS/ MALE/ OVULATION/
*OVUM, physiology/ SERUM ALBUMIN,
BOVINE, metabolism
1442. Haigler ED Jr, Hershman JM, Meador CK: Pituitary gigantism. A case report and review.
Arch Intern Med 132:588-94, Oct 73
ADOLESCENCE/ ANTIGENS/ BLOOD SUGAR,
analysis/ CORTICOTROPIN, administration &
dosage/ CORTICOTROPIN, therapeutic use/
CORTISONE, therapeutic use/ CREATININE,
urine/ DEXAMETHASONE, administration &
dosage/ DEXAMETHASONE, therapeutic use/
EUNUCHISM, complications/ *GIGANTISM,
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HYDROCORTISONE, blood/
17-HYDROXYCORTICOSTEROIDS, urine/
HYPOPHYSECTOMY/ INSULIN, blood/
17-KETOSTEROIDS, urine/ MALE/
METYRAPONE, diagnostic use/ PITUITARY
NEOPLASMS, complications/ SEX
DIFFERENTIATION DISORDERS/
SOMATOTROPIN, blood/ THYROTROPIN,
blood/ TIME FACTORS/ YTTRIUM ISOTOPES
1443. Halje WG: Influence of buffer conditions on the activities of some iso-enzymes of alkaline phosphatase in the serum. *Clin Chim Acta* 48:23-6, Sep 28 1973
*ALKALINE PHOSPHATASE, blood/ ANIMAL
EXPERIMENTS/ BILIARY TRACT DISEASES,
enzymology/ BONE AND BONES, enzymology/
*BUFFERS/ CATTLE/ COLORIMETRY/
COMPARATIVE STUDY/ ETHANOLAMINES/
GLYCINE/ HUMAN/ INTESTINES,
enzymology/ *ISOENZYMES, blood/ KINETICS/
LIVER, enzymology/ LIVER DISEASES,
enzymology/ METHODS/ PROPANOLAMINES
1444. Haim A, Cohen A, Better OS, et al: [Visceral Kaposi's sarcoma in a kidney recipient]
Harefuah 85:214-5, 2 Sep 73 (Heb)
ABDOMINAL NEOPLASMS,
chemically induced/ AZATHIOPRINE, adverse
effects/ ENGLISH ABSTRACT/ HUMAN/
*IMMUNOSUPPRESSIVE AGENTS, adverse
effects/ *KIDNEY, transplantation/ MALE/
PREDNISONE, adverse effects/ *SARCOMA,
KAPOSI'S, chemically induced/ SKIN
NEOPLASMS, chemically induced/
TRANSPLANTATION, HOMOLOGOUS
1445. Hajos ZG, Parrish DR: Stereocontrolled total synthesis of 19-nor steroids. *J Org Chem* 38:3244-9, 21 Sep 73
ANDROSTENES, chem synthesis/
*NORSTEROIDS, chem synthesis/
STEREISOMERS/ TESTOSTERONE, chem
synthesis
1446. Hajos ZG, Parrish DR: The stereocontrolled synthesis of trans-hydrindan steroidal intermediates.
J Org Chem 38:3239-43, 21 Sep 73
CATALYSIS/ HYDROGENATION/ *INDENES,
chem synthesis/ NUCLEAR MAGNETIC
RESONANCE/ STEREOISOMERS/ *STEROIDS,
chem synthesis
1447. Hakanson R, Melander A, Owman C, et al: Depletion of secretory granules, calcitonin, and formaldehyde-ozone-induced fluorescence from cat thyroid C cells by vitamin D2 treatment.
Histochemie 36:89-96, 19 Jul 73
ANIMAL EXPERIMENTS/ CALCITONIN,
analysis/ CATS/ *ERGOCALCIFEROL,
pharmacodynamics/ FEMALE/
FLUORESCENCE/ MALE/ MICROSCOPY,
ELECTRON/ THYROID GLAND, analysis/

AUTHOR SECTION

- *THYROID GLAND, drug effects/ THYROID GLAND, pathology/ TIME FACTORS
48. Haksar A, Péron FG: The role of calcium in the steroidogenic response of rat adrenal cells to adrenocorticotrophic hormone.
 Biochim Biophys Acta 313:363-71, 28 Jul 73
 ACETIC ACIDS, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CHELATING AGENTS, pharmacodynamics/ *CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ GLYCOLS, pharmacodynamics/ IN VITRO/ RATS/ TIME FACTORS
49. Halaris AE, Lovell RA, Freedman DX: Effect of chlorimipramine on the metabolism of 5-hydroxytryptamine in the rat brain.
 Biochem Pharmacol 22:2200-2, 1 Sep 73
 ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ *DIBENZAZEPINES, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ IN VITRO/ KINETICS/ MALE/ MONOAMINE OXIDASE, metabolism/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS
50. Halberg F, Halberg J, Halberg F, et al: Reading 'r'iting, 'r'ithmetic--and rhythms: a new "relevant" "R" in the educative process.
 Perspect Biol Med 17:128-41, Autumn 73
 ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *BIOLOGICAL CLOCKS/ CIRCADIAN RHYTHM/ CURRICULUM/ *EDUCATION/ HEART RATE/ HEMODYNAMICS/ HUMAN/ HUMANITIES/ MENSTRUATION/ PATIENTS, education/ PHYSICS/ PREVENTIVE MEDICINE/ RESPIRATORY FUNCTION TESTS/ TIME
51. Halden A, Horn Y, Waiter RM, et al: Combined high-dose delta-testolactone with low-dose 5-fluorouracil in the treatment of metastatic breast cancer. Oncology 27:493-501, 1973
 BLOOD CELL COUNT/ BLOOD PLATELETS/ *BREAST NEOPLASMS, drug therapy/ DRUG THERAPY, COMBINATION/ EVALUATION STUDIES/ FEMALE/ FLUOROURACIL, administration & dosage/ FLUOROURACIL, adverse effects/ *FLUOROURACIL, therapeutic use/ HEMATOPOIETIC SYSTEM, drug effects/ HUMAN/ LEUKOCYTE COUNT/ MIDDLE AGE/ NEOPLASM METASTASIS/ TESTOLACTONE, administration & dosage/ *TESTOLACTONE, therapeutic use
52. Hale HB, Hartman BO, Harris DA, et al: Physiologic cost of prolonged double-crew flights in C-5 aircraft. Aerosp Med 44:999-1008, Sep 73
 *AVIATION MEDICINE/ *CREATININE, urine/ EPINEPHRINE, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ NOREPINEPHRINE, urine/ *POTASSIUM, urine/ *SODIUM, urine/ TIME FACTORS/ UREA, urine
53. Hall BK, Girouard RJ: The development of the tibia in hypophysectomized chick embryos.
 Anat Rec 177:343-57, Nov 73
 ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CARTILAGE, embryology/ CHICK EMBRYO/ FIBROBLASTS/ HYPOPHYSECTOMY/ MORPHOGENESIS/ *OSTEOGENESIS/ *PITUITARY GLAND, physiology/ TIBIA, cytology/ TIBIA, embryology
54. Hall PF: The physician and the biochemist.
 Med J Aust 2:153-9, 28 Jul 73
 ADRENAL CORTEX HORMONES, biosynthesis/ ADRENOGENITAL SYNDROME, enzymology/ AIR POLLUTION/ ANIMAL EXPERIMENTS/ ATTITUDE/ AUSTRALIA/ *BIOCHEMISTRY, education/ CALIFORNIA/ CATATONIA, chemically induced/ CHEMISTRY, CLINICAL, education/ CHILD/ CURRICULUM/ DNA, VIRAL, chem synthesis/ *EDUCATION, MEDICAL, UNDERGRADUATE/ FEMALE/ GREAT BRITAIN/ HUMAN/ HYDROXYDOPAMINE, pharmacodynamics/ METHYLDOPA, pharmacodynamics/ NOREPINEPHRINE, biosynthesis/ RATS/ REWARD/ SCHIZOPHRENIA, metabolism/ SELF STIMULATION
1455. Hall R, Evered D: Grades of hypothyroidism.
 Br Med J 3:695-6, 29 Sep 73
 HUMAN/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, immunology/ THYROID GLAND, physiopathology/ THYROTROPIN, blood
1456. Hall RW, Gomes WR: Testosterone levels in the serum and testes of growing rats following prenatal exposure to busulphan.
 J Reprod Fertil 35:131-4, Oct 73
 ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BUSULFAN, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ MALE/ *MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ PREGNANCY/ RADIOIMMUNOASSAY/ RATS/ SEMINAL VESICLES/ TESTIS/ *TESTIS, analysis/ *TESTOSTERONE, analysis
1457. Hall WJ: Seasonal changes in the sensitivity of frog skin to prostaglandin and the effect of external sodium and chloride on the response.
 Ir J Med Sci 142:230-43, Sep 73
 ANIMAL EXPERIMENTS/ *BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ FROGS/ *PROSTAGLANDINS, pharmacodynamics/ *SEASONS/ *SKIN, metabolism/ *SODIUM CHLORIDE, metabolism
1458. Hallen O: Zur Kortikoid- und ACTH-Therapie bei neurologischen Erkrankungen.
 Med Welt 24:951-4, 8 Jun 73 (Ger)
 *ADRENAL CORTEX HORMONES/ ADRENAL CORTEX HORMONES, adverse effects/ CORTICOTROPIN, adverse effects/ *CORTICOTROPIN, therapeutic use/ HUMAN/ MULTIPLE SCLEROSIS, drug therapy/ MUSCULAR DISEASES, drug therapy/ *NERVOUS SYSTEM DISEASES, drug therapy/ POLYNEURITIS, drug therapy/ TEMPORAL ARTERITIS, drug therapy
1459. Halman KE: Cancer--the future.
 Br J Radiol 46:793-8, Oct 73
 ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CARCINOEMBRYONIC ANTIGEN/ CELL MIGRATION INHIBITION/ CYTODIAGNOSIS/ FEMALE/ *FUTUROLOGY/ GONADOTROPINS, CHORIONIC/ GREAT BRITAIN/ HUMAN/ LUNG NEOPLASMS, mortality/ MALE/ MIDDLE AGE/ NEOPLASMS, diagnosis/ NEOPLASMS, mortality/ *NEOPLASMS, occurrence/ NEOPLASMS, therapy/ SCOTLAND/ SEX FACTORS
1460. Halperin G, Muller A, Finkelstein M: Isolation of 20 alpha and 20 beta 5 beta-pregnane-3 alpha,17 alpha,20,21-tetrol (hexahydro-Reichstein's compound-S) in a case of congenital adrenal hyperplasia. Steroids 22:581-8, Oct 73
 ADRENAL GLAND DISEASES, congenital/ *ADRENAL GLAND DISEASES, metabolism/ CHILD/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, metabolism/ HYPERPLASIA, congenital/ HYPERPLASIA, metabolism/ *PREGNANES, metabolism/ SPECTRUM ANALYSIS, MASS
1461. Hamberg M: Quantitative studies on prostaglandin synthesis in man. II. Determination of the major urinary metabolite of prostaglandins F1 alpha and F2 alpha. Anal Biochem 55:368-78, Oct 73
 CARBON RADIOISOTOPES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEUTERIUM/ DRUG

AUTHOR SECTION

- STABILITY/ EVALUATION STUDIES/
FEMALE/ HUMAN/ ISOTOPE LABELING/
MALE/ METHODS/ *PROSTAGLANDINS,
urine/ SPECTRUM ANALYSIS, MASS/ TIME
FACTORS/ TRITIUM
1462. Hamld MA, Lech JJ, Barboriak JJ, et al: Some properties of a protamine-stimulated triglyceride-hydroxylating enzyme from rat ventricle. *Biochem Pharmacol* 22:2165-70, 1 Sep 73
ANIMAL EXPERIMENTS/ CATTLE/
CENTRIFUGATION, DENSITY GRADIENT/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ESTERS, metabolism/ FEMALE/ GLYCERIDES,
metabolism/ HEART VENTRICLE, enzymology/
HEPARIN, pharmacodynamics/
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HYDROLYSIS/ IMMUNE SERUMS,
pharmacodynamics/ IN VITRO/ *LIPASE,
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*PROTAMINES, pharmacodynamics/ RATS/
SERUM ALBUMIN, BOVINE,
pharmacodynamics/ STIMULATION,
CHEMICAL/ SUCROSE, metabolism/
TRIGLYCERIDES, isolation & purification/
*TRIGLYCERIDES, metabolism
1463. Hamilton W: Proceedings: Testicular function tests: an integrated approach. *Arch Dis Child* 48:831-2, Oct 73
*GONADOTROPINS, CHORIONIC, diagnostic
use/ HUMAN/ *17-KETOSTEROIDS, urine/
MALE/ TESTICULAR DISEASES, diagnosis/
TESTICULAR FEMINIZATION, metabolism/
TESTIS, metabolism/ *TESTIS, physiology/
TESTOSTERONE, metabolism
1464. Hammar SL: The approach to the adolescent patient. *Pediatr Clin North Am* 20:779-88, Nov 73
*ADOLESCENCE/ COMMUNICATION/
DEPRESSION/ FAMILY CHARACTERISTICS/
FEMALE/ HUMAN/ MALE/ MEDICAL
HISTORY TAKING/ MEDICAL RECORDS/
PEER GROUP/ PHYSICAL EXAMINATION/
*PHYSICIAN-PATIENT RELATIONS/
PUBERTY/ SUICIDE, prevention & control
1465. Hammel CF, DeNardo SJ, DeNardo GL, et al: Bone marrow and bone mineral scintigraphic studies in sickle cell disease. *Br J Haematol* 25:593-8, Nov 73
ADULT/ *ANEMIA, SICKLE CELL, diagnosis/
BLOOD FLOW VELOCITY/ BONE AND
BONES, blood supply/ *BONE AND BONES,
metabolism/ BONE MARROW, blood supply/
*BONE MARROW, metabolism/ FEMALE/
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MALE/ PAIN/ *RADIOISOTOPE SCANNING/
RADIOISOTOPES, diagnostic use/ STRONTIUM
RADIOISOTOPES, diagnostic use/
TECHNETIUM, diagnostic use/ TIBIA
1466. Hammerton K, Messer M: The effects of adrenalin, glucagon, insulin and dibutyl cAMP on liver and serum alpha-amylase activities in the rat. *Clin Chim Acta* 47:283-8, 30 Aug 73
AGING/ *AMYLASE, blood/ AMYLASE,
metabolism/ ANIMAL EXPERIMENTS/
COMPARATIVE STUDY/ *DIBUTYL
CYCLIC AMP, pharmacodynamics/
*EPINEPHRINE, pharmacodynamics/ FEMALE/
FETUS/ *GLUCAGON, pharmacodynamics/
*INSULIN, pharmacodynamics/ LIVER, drug
effects/ *LIVER, enzymology/ LIVER, growth
& development/ MALE/ PREGNANCY/ RATS/
TIME FACTORS
1467. Hammond PB: The effects of D-penicillamine on the tissue distribution and excretion of lead. *Toxicol Appl Pharmacol* 26:241-6, Oct 73
ANIMAL EXPERIMENTS/ BONE AND BONES,
metabolism/ BRAIN, metabolism/ CHELATING
AGENTS, pharmacodynamics/ FECES, analysis/
KIDNEY, metabolism/ *LEAD, metabolism/
LEAD, urine/ LIVER, metabolism/ MALE/
MUSCLES, metabolism/ *PENICILLAMINE,
pharmacodynamics/ RADIOISOTOPES/ RATS/
SKIN, metabolism/ TIME FACTORS
1468. Hamprecht B, Jaffee BM, Philipott GW: Prostaglandin production by neuroblastoma, glioma and fibroblast cell lines; stimulation by N⁶,O²-dibutyl adenosine 3':5'-cyclic monophosphate. *FEBS Lett* 36:193-8, 15 Oct 73
CELL DIVISION, drug effects/ CELL LINE/
CLONE CELLS, drug effects/ CLONE CELLS,
metabolism/ COMPARATIVE STUDY/
*DIBUTYL CYCLIC AMP,
pharmacodynamics/ FIBROBLASTS, drug
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metabolism/ GLIOMA, pathology/ L CELLS,
metabolism/ MICE/ NEUROBLASTOMA,
metabolism/ *PROSTAGLANDINS, biosynthesis/
RATS/ TIME FACTORS
1469. Han PF, Smyth JR Jr: The influence of maternal effects on the response of fast and slow growing chickens to a Marek's disease virus. *Poult Sci* 52:909-15, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
*CHICKENS, growth & development/
CROSSES, GENETIC/ FEMALE/ GONADS,
pathology/ *HERPESVIRUS/ LIVER, pathology/
MALE/ *MAREK'S DISEASE, familial &
genetic/ MAREK'S DISEASE, immunology/
MAREK'S DISEASE, microbiology/ MAREK'S
DISEASE, pathology/ MASSACHUSETTS/
SELECTION (GENETICS)/ SEX FACTORS/
SPINAL NERVE ROOTS, pathology
1470. Handler JS, Stoff JS, Orloff J: Effect of aldosterone on cyclic-AMP metabolism in the urinary bladder of the toad. *Exp Eye Res* 16:235-40, 10 Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/
*ALDOSTERONE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT,
ACTIVE, drug effects/ BLADDER,
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metabolism/ SODIUM, metabolism/
STIMULATION, CHEMICAL/ THEOPHYLLINE,
pharmacodynamics/ TOADS/ VASOPRESSIN,
pharmacodynamics/ WATER, metabolism
1471. Hankiewicz J: W sprawie pobieranie krwi do badań laboratoryjnych. *Wlad Lek* 26:1621-6, 1 Sep 73 (Pol)
ANTIBIOTICS, pharmacodynamics/ BLOOD,
drug effects/ BLOOD PRESERVATION/
BLOOD PROTEINS, analysis/ *BLOOD
SPECIMEN COLLECTION/ BLOOD SUGAR,
analysis/ CONTRACEPTIVES, ORAL,
pharmacodynamics/ DIAGNOSIS,
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HUMAN/ KIDNEY, blood supply/ KIDNEY,
enzymology/ LACTATE DEHYDROGENASE,
metabolism/ MALE/ METHODS/ POSTURE/
REGIONAL BLOOD FLOW/ SULFONAMIDES,
pharmacodynamics/ TIME FACTORS
1472. Hansen AP, Orskov H, Seyer-Hansen K, et al: Some actions of growth hormone release inhibiting factor. *Br Med J* 3:523-4, 8 Sep 73
ADULT/ BLOOD PRESSURE, drug effects/
DIABETES MELLITUS, blood/ EXERTION/
HEART RATE, drug effects/ HUMAN/ MALE
*PITUITARY HORMONE RELEASING
HORMONES, antagonists & inhibitors/
*SOMATOTROPIN/ SOMATOTROPIN, blood/
TIME FACTORS
1473. Hansen HH, Muggia FM: Letter: Ectopic production of calcitonin. *Lancet* 2:915, 20 Oct 73
CALCITONIN, biosynthesis/ *CALCITONIN,
secretion/ *CARCINOMA, BRONCHOGENIC,
metabolism/ CARCINOMA, BRONCHOGENIC,
pathology/ *HORMONES, ECTOPIC, secretion/
HUMAN/ *LUNG NEOPLASMS, metabolism/
LUNG NEOPLASMS, pathology/ MICROSCOPY
ELECTRON/ NEOPLASM METASTASIS/
*THYROID NEOPLASMS, metabolism/
THYROID NEOPLASMS, pathology
1474. Hansson L: Beta-adrenergic blockade in essential hypertension. Effects of propranolol on hemodynamic parameters and plasma renin activity. *Acta Med Scand [Suppl]* 55:1-40, 1973
ADMINISTRATION, ORAL/ ADULT/ AGED/

AUTHOR SECTION

- BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CLINICAL RESEARCH/ DEPRESSION, CHEMICAL/ GLYCERYL TRINITRATE, diagnostic use/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ INJECTIONS, INTRAVENOUS/ ISOPROTERENOL, pharmacodynamics/ MALE/ MIDDLE AGE/ PLACEBOS/ POSTURE/ PRESSORECEPTORS, drug effects/ PROPRANOLOL, administration & dosage/ PROPRANOLOL, blood/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ *RENIN, blood
75. Hansson V, Ritzén EM, French FS, et al: Demonstration of a specific binding protein for testosterone and 5alpha-dihydrotestosterone in rabbit serum. Separation from the corticosteroid binding globulin (CBG). Steroids 22:185-92, Aug 73
AGING/ ANDROSTANES, blood/ ANDROSTENEDIONE, blood/ ANIMAL EXPERIMENTS/ BINDING SITES/ BLOOD PROTEINS, isolation & purification/ *BLOOD PROTEINS, metabolism/ CARBON RADIOISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ CORTICOSTERONE, blood/ ELECTROPHORESIS, DISC/ FEMALE/ GEL FILTRATION/ HYDROXYSTEROIDS, blood/ MALE/ PROGESTERONE, blood/ PROTEIN BINDING/ RABBITS/ RECEPTORS, HORMONE/ SEX FACTORS/ *STANOLONE, blood/ *TESTOSTERONE, blood/ *TRANCORTIN, isolation & purification/ TRITIUM
76. Haqqani MT, Holti G: Systemic sclerosis with pulmonary fibrosis and oat cell carcinoma. Acta Derm Venereol (Stockh) 53:369-74, 1973
BIOPSY/ *CARCINOMA, OAT CELL, etiology/ CARCINOMA, OAT CELL, pathology/ FEMALE/ GASTROINTESTINAL SYSTEM, pathology/ HEART, pathology/ HUMAN/ KIDNEY, pathology/ MIDDLE AGE/ NEOPLASM METASTASIS/ PLEURA, pathology/ *PULMONARY FIBROSIS, complications/ PULMONARY FIBROSIS, pathology/ *SCLERODERMA, SYSTEMIC, complications/ SCLERODERMA, SYSTEMIC, pathology/ SKIN, pathology
77. Harada Y, Okada Y, Hikita T, et al: Comparison of growth acceleration of pituitary dwarfs treated with anabolic steroid and thyroid hormone with normal growth spurt. Acta Endocrinol (Kbh) 74:237-49, Oct 73
ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ *BODY HEIGHT, drug effects/ BODY WEIGHT/ CHILD/ COMPARATIVE STUDY/ *DWARFISM, PITUITARY, drug therapy/ EXERTION/ GLUCAGON, diagnostic use/ GLUCOSE TOLERANCE TEST/ HYDROXYCORTICOSTEROIDS, urine/ INSULIN, diagnostic use/ MALE/ METYRAPONE, diagnostic use/ OXYMETHOLONE, adverse effects/ *OXYMETHOLONE, therapeutic use/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ THYROID HORMONES, adverse effects/ *THYROID HORMONES, therapeutic use
78. Marcus AW: Effect of oral cyproterone acetate on urinary FSH and LH levels in males being treated for hypersexuality. J Reprod Fertil 33:356-7, May 73
ADULT/ *ANDROGENS, antagonists & inhibitors/ CYPROTERONE, therapeutic use/ *FSH, urine/ HUMAN/ *LH, urine/ *LIBIDO, drug effects/ MALE/ MIDDLE AGE/ *PREGNADIENES, therapeutic use/ RADIOIMMUNOASSAY/ SPERMATOGENESIS, drug effects
79. Hardin CM: Sex differences in serotonin synthesis from 5-hydroxytryptophan in neonatal rat brain. Brain Res 59:437-9, 14 Sep 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, enzymology/ *BRAIN, metabolism/ CARBOXY-LYASES, metabolism/ FEMALE/ *HYDROXYTRYPTOPHAN, metabolism/ MALE/ MONOAMINE OXIDASE, metabolism/ RATS/ *SEROTONIN, biosynthesis/ SEX FACTORS
1480. Hardman KD, Alnsworth CF: Binding of nonpolar molecules by crystalline concanavalin A. Biochemistry 12:4442-8, 23 Oct 73
ANILINE COMPOUNDS/ BENZOATES/ BINDING SITES/ COMPARATIVE STUDY/ *CONCAVALIN A/ CRYSTALLIZATION/ CRYSTALLOGRAPHY/ DEXTRAN/ GALACTOSE/ GLYCOSIDES/ IODINE/ MODELS, STRUCTURAL/ ORGANOMETALLIC COMPOUNDS/ PHENOLS/ PHOSPHATES/ *PROTEIN BINDING/ PROTEIN CONFORMATION/ SPECTROPHOTOMETRY
1481. Hardy J: Traitement chirurgical de l'adénome hypophysaire. Neurochirurgie 19:Suppl 2:75-99, May 73 (Fre)
*ACROMEGALY, etiology/ *ADENOMA, surgery/ *ADENOMA, EOSINOPHILIC, surgery/ ADULT/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GIGANTISM, etiology/ HUMAN/ *HYPOPHYSECTOMY/ MALE/ METHODS/ MIDDLE AGE/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ *PITUITARY NEOPLASMS, surgery/ SPHENOID SINUS, surgery/ SURGICAL INSTRUMENTS
1482. Harnapp GO: Zum Wirkungsmechanismus des Vitamins. Monatsschr Kinderheilkd 121:360, Jul 73 (Ger)
CALCIUM, blood/ CARRIER PROTEINS/ HUMAN/ IONS/ *VITAMIN D, pharmacodynamics
1483. Harper C, Toverud SU: Ability of thyrocalcitonin to protect against hypercalcemia in adult rats. Endocrinology 93:1354-9, Dec 73
ANIMAL EXPERIMENTS/ *CALCITONIN, therapeutic use/ CALCIUM, administration & dosage/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ COMPARATIVE STUDY/ FEMALE/ *HYPERCALCEMIA, prevention & control/ INJECTIONS/ INJECTIONS, INTRAVENOUS/ PARATHYROID GLANDS, physiology/ PHOSPHATES, blood/ PHOSPHATES, pharmacodynamics/ RATS/ STOMACH/ SWINE/ THYROID GLAND, physiology/ THYROIDECTOMY
1484. Harries JR, Ruberti R: Pseudotumour cerebri in Africans. Afr J Med Sci 4:245-9, Jul 73
ADOLESCENCE/ ADULT/ AFRICA/ CEREBRAL ANGIOGRAPHY/ CHILD/ CHILD, PRESCHOOL/ DIET, SALT-FREE/ DIURETICS, therapeutic use/ FEMALE/ HEADACHE, etiology/ HUMAN/ INFANT/ INTRACRANIAL PRESSURE/ MALE/ OPTIC ATROPHY, etiology/ PAPILLEDEMA, etiology/ PERIPHERAL NERVE DISEASES, etiology/ *PSEUDOTUMOR CEREBRI/ PSEUDOTUMOR CEREBRI, drug therapy/ PSEUDOTUMOR CEREBRI, therapy/ SPINAL PUNCTURE/ STEROIDS, therapeutic use/ VENTRICULOGRAPHY/ VISION DISORDERS, etiology/ VOMITING, etiology
1485. Harris JW, Power JA: Diamide: a new radiosensitizer for anoxic cells. Radiat Res 56:97-109, Oct 73
AIR/ *ANOXIA/ *AZO COMPOUNDS, pharmacodynamics/ CELL LINE/ CELL SURVIVAL, drug effects/ COMPARATIVE STUDY/ DIAMINES, administration & dosage/ *FORMAMIDE, pharmacodynamics/ HAMSTERS/ NITROFURANS, pharmacodynamics/ NITROGEN/ OVARY/ OXIMES, pharmacodynamics/ PSEUDOMONAS FLUORESCENS, drug effects/ *RADIATION-SENSITIZING AGENTS, pharmacodynamics/ SULFHYDRYL REAGENTS
1486. Harris M, Jenkins MV, Bennett A, et al: Prostaglandin production and bone resorption by dental cysts. Nature 245:213-5, 28 Sep 73
ANIMAL EXPERIMENTS/ BONE

AUTHOR SECTION

- RESORPTION, drug effects/ CULTURE
MEDIA/ HUMAN/ IN VITRO/
INDOMETHACIN, pharmacodynamics/ MICE/
*ODONTOGENIC CYSTS, metaholism/
ODONTOGENIC CYSTS, physiopathology/
PHLORETIN, pharmacodynamics/
PROSTAGLANDINS, antagonists & inhibitors/
*PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, pharmacodynamics/
TISSUE CULTURE
1487. Harrison GG: Recent advances in the understanding of anaesthetic-induced malignant hyperpyrexia. *Anaesthesist* 22:373-6, Aug 73
*ANESTHESIA, GENERAL, adverse effects/
ANIMAL EXPERIMENTS/ CAFFEINE/
CALCIUM, metaholism/ CREATINE KINASE, blood/ DISEASE MODELS, ANIMAL/ FROGS/
HUMAN/ *MALIGNANT HYPERTHERMIA, etiology/ MALIGNANT HYPERTHERMIA, prevention & control/ MUSCULAR DISEASES, complications/ MUSCULAR DISEASES, familial & genetic/ RATS/ SARCOPLASMIC RETICULUM, metaholism/ SWINE
1488. Harrison TS, Child CG, Fry WJ, et al: Current surgical management of functioning islet cell tumors of the pancreas. *Ann Surg* 178:485-95, Oct 73
ADOLESCENCE/ ADULT/ AGED/
ANGIOGRAPHY/ BLOOD SUGAR, analysis/
HUMAN/ HYPERINSULINISM, etiology/
ISLANDS OF LANGERHANS, pathology/
ISLET CELL TUMOR, diagnosis/ ISLET CELL TUMOR, pathology/ ISLET CELL TUMOR, radiography/ *ISLET CELL TUMOR, surgery/
MIDDLE AGE/ NEOPLASM METASTASIS/
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PANCREAS, blood supply/
PANCREATIC NEOPLASMS, diagnosis/
PANCREATIC NEOPLASMS, pathology/
PANCREATIC NEOPLASMS, radiography/
*PANCREATIC NEOPLASMS, surgery/
POSTOPERATIVE COMPLICATIONS
1489. Hartley BM, Crighton DB, Lamming GE: The specificity of an ovine pituitary incubation system linked with gonadotrophin assays for detecting gonadotrophin releasing activity. *J Endocrinol* 58:363-75, Sep 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CEREBRAL CORTEX/ EPINEPHRINE, pharmacodynamics/ *FSH, secretion/ GEL FILTRATION/ HYPOTHALAMUS, physiology/
IN VITRO/ *LH, secretion/ MALE/
METHODS/ NOREPINEPHRINE, pharmacodynamics/ OXYTOCIN, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/
*PITUITARY HORMONE RELEASING HORMONES, analysis/ RATS/ SHEEP/
STIMULATION, CHEMICAL/ TISSUE EXTRACTS/ VASOPRESSIN, pharmacodynamics
1490. Hartley R, Smith JA: Formation in vitro of N-acetyl-3,4-dimethoxyphenethylamine by pineal hydroxy-indole-O-methyl transferase. *Biochem Pharmacol* 22:2425-8, 1 Oct 73
ANIMAL EXPERIMENTS/ CATTLE/
DOPAMINE, metaholism/ HALOPERIDOL, pharmacodynamics/ IN VITRO/ INDOLES/
METHYLATION/ *METHYLTRANSFERASES, metaholism/ PHENETHYLAMINES, antagonists & inhibitors/ *PHENETHYLAMINES, biosynthesis/ PINEAL BODY, drug effects/
*PINEAL BODY, enzymology/ TIME FACTORS
1491. Hartmann F, Illner WR: Dünnschichtchromatographische Methode zur quantitativen Bestimmung von Cortisol, Cortison, Cortexolon, Cortexon und Corticosteron. *Res Exp Med (Berl)* 161:165-74, 22 Aug 73 (Ger)
CHROMATOGRAPHY, THIN LAYER/
CORTISONE, analysis/
DESOXYCORTICOSTERONE, analysis/
ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, analysis/ HYDROCORTISONE, analysis/
METHODS/ SPECTROPHOTOMETRY, ULTRAVIOLET
1492. Hartwich G: Zytostatika-Therapie. Erwünschte und unerwünschte Wirkungen. *Fortschr Med* 91:1218-22, 8 Nov 73 (Ger)
ABNORMALITIES, DRUG-INDUCED/
ALOPECIA, chemically induced/
ANTINEOPLASTIC AGENTS, adverse effects/
*ANTINEOPLASTIC AGENTS, therapeutic use/
BONE MARROW DISEASES, chemically induced/ BREAST NEOPLASMS, drug therapy/
BRONCHIAL NEOPLASMS, drug therapy/
CELL DIVISION, drug effects/ CELL TRANSFORMATION, NEOPLASTIC, drug effects/ DRUG THERAPY, COMBINATION/
FEMALE/ HODGKIN'S DISEASE, drug therapy/ HUMAN/
IMMUNOSUPPRESSION/ LEUKEMIA, drug therapy/ LYMPHOMA, drug therapy/ MALE/
MUTATION, drug effects/ NEOPLASMS, chemically induced/ TESTICULAR NEOPLASMS, drug therapy
1493. Hartz JW, Funakoshi S, Deutsch HF: The levels of superoxide dismutase and catalase in human tissues as determined immunochemically. *Clin Chim Acta* 46:125-32, 28 Jun 73
ADRENAL GLANDS, enzymology/ BRAIN, enzymology/ *CATALASE, analysis/
CATALASE, blood/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/
ERYTHROCYTES, enzymology/ GEL DIFFUSION TESTS/ GEL FILTRATION/
HUMAN/ IMMUNE SERUMS/ ISOELECTRIC FOCUSING/ KIDNEY, enzymology/ LIVER, enzymology/ MALE/ ORGAN SPECIFICITY/
PITUITARY GLAND, enzymology/ RABBITS, immunology/ SPECTROPHOTOMETRY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*SUPEROXIDE DISMUTASE, analysis/
SUPEROXIDE DISMUTASE, blood/ THYROID GLAND, enzymology
1494. Harvey RW, Price TH, Hall ML: Isolations of subgenus salmonellas (arizonas) in Cardiff, 1959-1971. *J Hyg (Camb)* 71:481-6, Sep 73
ABATTOIRS/ ANIMAL EXPERIMENTS/
ARIZONA/ BONE AND BONES, microbiology/
CULTURE MEDIA/ FECES, microbiology/
PARACOLOBACTRUM, classification/
*PARACOLOBACTRUM, isolation & purification/ SEROTYPING/ SWINE/
TURTLES/ WALES
1495. Hashemi-Fesharki R, Shad-Dei F: Vaccination of calves and milking cows with different strains of Theileria annulata. *Am J Vet Res* 34:1465-7, Nov 73
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/
INJECTIONS, SUBCUTANEOUS/ *LACTATION MALE/ PREGNANCY/ *SPOROZOA, immunology/ THEILERIASIS, immunology/
*THEILERIASIS, prevention & control/
*VACCINATION, veterinary/ VACCINES, administration & dosage
1496. Hashimoto T, Miyai K, Izumi K, et al: Gonadotropin response to synthetic LH-RH in normal subjects: correlation between LH and FSH. *J Clin Endocrinol Metab* 37:910-6, Dec 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *FSH, blood/ HUMAN/
HYDROCORTISONE, blood/ *LH, blood/
LH-FSH RELEASING HORMONE, administration & dosage/ *LH-FSH RELEASING HORMONE, pharmacodynamics/
MALE/ MENOPAUSE/ MENSTRUATION/
MIDDLE AGE/ SEX FACTORS/
SOMATOTROPIN, blood/ THYROTROPIN, blood/ TIME FACTORS
1497. Hasler MJ, Conaway CH: The effect of males on the reproductive state of female *Microtus ochrogaster*. *Biol Reprod* 9:426-36, Nov 73
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ EPITHELIAL CELLS, drug effects/ ESTRADIOL, pharmacodynamics/
ESTRUS/ FEMALE/ MALE/ MUCIN/
*PHYSICAL STIMULATION/ PROPIONATES, pharmacodynamics/ *REPRODUCTION/
RODENTS/ SEX BEHAVIOR, ANIMAL/ TIME

AUTHOR SECTION

- FACTORS/ UTERUS, cytology/ VAGINAL SMEARS
498. Hassan MM, Longmore DB: Effects of contraceptive pill constituents on foetal mouse hearts. Nature 244:349-51, 10 Aug 73
ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, pharmacodynamics/ *FETAL HEART, drug effects/ MICE/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ ORGAN CULTURE/ TISSUE SURVIVAL, drug effects
499. Hatch RC: Experiments on antagonism of barbiturate anesthesia with adrenergic, serotonergic, and cholinergic stimulants given alone and in combination. Am J Vet Res 34:1321-31, Oct 73
AMPHETAMINE, administration & dosage/ *AMPHETAMINE, pharmacodynamics/ *ANESTHESIA, INTRAVENOUS, veterinary/ ANIMAL EXPERIMENTS/ *BARBITURATES, antagonists & inhibitors/ BLOOD PRESSURE, drug effects/ CATS/ CATTLE/ DOGS/ FEMALE/ HEART RATE, drug effects/ MALE/ OXOTREMORINE, pharmacodynamics/ *PARASYMPATHOMIMETICS, pharmacodynamics/ *PHYSOSTIGMINE, pharmacodynamics/ PREANESTHETIC MEDICATION/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, CHOLINERGIC, drug effects/ RESPIRATION, drug effects/ SEROTONIN, blood/ *SYMPATHOMIMETICS, pharmacodynamics/ SYNAPSES, drug effects/ TIME FACTORS/ YOHIMBINE, administration & dosage/ *YOHIMBINE, pharmacodynamics
500. Hatil RN, DeGroot LJ: Studies on the mechanism of lodination supported by thyroidal NADPH-cytochrome c reductase. Acta Endocrinol (Kbh) 74:271-82, Oct 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CATTLE/ *CYTOCHROME C, metabolism/ CYTOCHROME C, physiology/ DEPRESSION, CHEMICAL/ DICHLOROISOPROTERENOL, pharmacodynamics/ DYES, pharmacodynamics/ FERRICYANIDES, pharmacodynamics/ FORMATES, metabolism/ GUAIACOL, pharmacodynamics/ HEME, physiology/ IN VITRO/ *IODIDES, metabolism/ IODINE RADIOISOTOPES/ *NADH, NADPH OXIDOREDUCTASES, physiology/ NADP, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PYROGALLOL, pharmacodynamics/ TEMPERATURE/ *THYROID GLAND, enzymology/ TRYPSIN, metabolism/ *TYROSINE, metabolism/ VITAMIN K, physiology
501. Hattler BG Jr, Rocklin RE, Ward PA, et al: Functional features of lymphocytes recovered from a human renal allograft. Cell Immunol 9:289-96, Nov 73
ADULT/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ BLOOD COAGULATION TESTS/ CELL MIGRATION INHIBITION/ CELLS, CULTURED/ CHEMOTAXIS/ FEMALE/ *GRAFT REJECTION/ HISTOCOMPATIBILITY TESTING/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ LYMPHOCYTES, radiation effects/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MITOGENS/ MONOCYTES/ NEUTROPHILS/ RADIATION EFFECTS/ STREPTODORNASE AND STREPTOKINASE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS/ ULTRASONICS
502. Hatton GI, Walters JK: Induced multiple nucleoli, nucleolar margination, and cell size changes in supraoptic neurons during dehydration and rehydration in the rat. Brain Res 59:137-54, 14 Sep 73
ANIMAL EXPERIMENTS/ *CELL NUCLEOLUS/ *DEHYDRATION, pathology/ DISEASE MODELS, ANIMAL/ *HYPOTHALAMUS, pathology/ MALE/ NEUROSECRETORY SYSTEMS, pathology/ RATS/ TIME FACTORS/ VASOPRESSIN, secretion/ WATER DEPRIVATION/ WATER-ELECTROLYTE BALANCE
1503. Haubrich DR, Denzer JS: Simultaneous extraction and fluorometric measurement of brain serotonin, catecholamines, 5-hydroxy-indoleacetic acid and homovanillic acid. Anal Biochem 55:306-12, Sep 73
ALUMINUM/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *DOPAMINE, analysis/ DOPAMINE, isolation & purification/ HOMO VANILLIC ACID, analysis/ HOMO VANILLIC ACID, cerebrospinal fluid/ HOMO VANILLIC ACID, isolation & purification/ *HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ HYDROXYINDOLEACETIC ACID, isolation & purification/ METHODS/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, isolation & purification/ ORGAN SPECIFICITY/ *PHENYLACETATES, analysis/ RATS/ *SEROTONIN, analysis/ SEROTONIN, isolation & purification/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS
1504. Haubrich R, Harms I: Unfruchtbarkeit beim einseitigen Hodenkrebs. Malignoma testis, orchietomia, chemotherapia, radiatio-Sterilitas, post hoc aut propter hoc. Strahlentherapie 146:94-103, Jul 73 (Ger)
ADULT/ AGED/ *DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ *RADIOISOTOPE TELETERAPY, adverse effects/ RETROSPECTIVE STUDIES/ *STERILITY, MALE, etiology/ *TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery
1505. Hauser FM, Philip A, Carroll FI: Synthesis of some 17-substituted 3,10-ethano-5alpha-estrans. J Org Chem 38:3696-700, 19 Oct 73
CIRCULAR DICHROISM/ CYCLOSTEROIDS, chem synthesis/ *ESTRANES, chem synthesis/ HYDROXYSTEROIDS, chem synthesis/ OXIDATION-REDUCTION
1506. Hauss WH, Junge-Hülsing G, Wagner H, et al: Über erhöhte 17-beta-Oestradiolspiegel im Blut bei Patienten mit Arteriosklerose. Klin Wochenschr 51:824-5, 15 Aug 73 (Ger)
ADULT/ AGED/ ARTERIAL OCCLUSIVE DISEASES, blood/ *ARTERIOSCLEROSIS, blood/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ HUMAN/ LEG, blood supply/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCT, blood
1507. Havard CW: Progress in myasthenia gravis. Br Med J 3:437-40, 25 Aug 73 (33 ref.)
ACETYLCHOLINE, biosynthesis/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ BRONCHIAL NEOPLASMS, diagnosis/ CARCINOMA, OAT CELL, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GUINEA PIGS/ HUMAN/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, diagnosis/ *MYASTHENIA GRAVIS/ MYASTHENIA GRAVIS, diagnosis/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, etiology/ MYASTHENIA GRAVIS, immunology/ MYASTHENIA GRAVIS, metabolism/ MYASTHENIA GRAVIS, occurrence/ MYASTHENIA GRAVIS, therapy/ NEOSTIGMINE, therapeutic use/ NEUROMUSCULAR JUNCTION, metabolism/ PREOPERATIVE CARE/ PYRIDOSTIGMINE BROMIDE, therapeutic use/ RATS/ REVIEW/ THYMECTOMY/ THYMUS NEOPLASMS, complications
1508. Havelka S, Bartůňková V, Středa A: Bone indexes and cortical thickness in assessing osteoporosis in rheumatic patients. Scand J Rheumatol 2:57-60, 1973

AUTHOR SECTION

- ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ *ARTHRITIS, RHEUMATOID,
pathology/ COMPARATIVE STUDY/ FEMALE/
HUMAN/ *LUMBAR VERTEBRAE, pathology/
LUMBAR VERTEBRAE, radiography/ MALE/
*METACARPUS, pathology/ METACARPUS,
radiography/ METHODS/ MIDDLE AGE/
*OSTEOPOROSIS, diagnosis/ *SPONDYLITIS,
ANKYLOSING, pathology/ *TIBIA, pathology/
TIBIA, radiography
1509. Hawk HW, Conley HH: Route of progestagen
administration to the ewe and spermicidal action in
the vagina at the ensuing estrus.
J Anim Sci 37:957-61, Oct 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ *ESTRUS, drug effects/
FEMALE/ INJECTIONS, SUBCUTANEOUS/
INSEMINATION, ARTIFICIAL, veterinary/
MALE/ MEDROXYPROGESTERONE,
administration & dosage/
MEDROXYPROGESTERONE,
pharmacodynamics/ MELENGESTROL,
administration & dosage/ MELENGESTROL,
pharmacodynamics/ *PROGESTATIONAL
HORMONES, administration & dosage/
*SHEEP, physiology/ *SPERMATOZOA, drug
effects/ VAGINA
1510. Hawk HW, Echterkamp SE: Uterine contractions in
the ewe during progestagen-regulated oestrus.
J Reprod Fertil 34:347-9, Aug 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ CELL MOVEMENT/
ESTRUS, drug effects/ FEMALE/
INJECTIONS, SUBCUTANEOUS/
MEDROXYPROGESTERONE, administration &
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pharmacodynamics/ MUSCLE CONTRACTION,
drug effects/ PROGESTERONE, administration
& dosage/ *PROGESTERONE,
pharmacodynamics/ *SHEEP, physiology/ TIME
FACTORS/ *UTERUS, physiology
1511. Hayat JC, Enjolras O, Messing B, et al: Nécrolyse
épidermique aiguë (syndrome de Lyell).
Nouv Presse Med 2:2389-91, 13 Oct 73 (Fre)
ACUTE DISEASE/ ANTIBIOTICS, therapeutic
use/ ENGLISH ABSTRACT/ *EPIDERMAL
NECROLYSIS, TOXIC/ EPIDERMAL
NECROLYSIS, TOXIC, diagnosis/ EPIDERMAL
NECROLYSIS, TOXIC, etiology/ EPIDERMAL
NECROLYSIS, TOXIC, therapy/ GANGRENE,
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HUMAN/ KIDNEY FAILURE, ACUTE,
etiology/ LUNG DISEASES, etiology/ MALE/
MIDDLE AGE/ PROGNOSIS/ *PROTEUS
INFECTIONS, complications/ PROTEUS
MIRABILIS/ SKIN MANIFESTATIONS/
STEVENS-JOHNSON SYNDROME, diagnosis/
TUBERCULOSIS, PULMONARY, drug therapy
1512. Hays MT, Wesselosky B: Simultaneous measurement
of thyroidal trapping ($^{99m}\text{TcO}_4^-$) and binding (^{131}I):
clinical and experimental studies in man.
J Nucl Med 14:785-92, Nov 73
COMPARATIVE STUDY/ EVALUATION
STUDIES/ HUMAN/ *IODINE, metabolism/
IODINE RADIOISOTOPES/
PROPYLTHIOURACIL, pharmacodynamics/
RADIOISOTOPE SCANNING/ SOLUTIONS/
STIMULATION, CHEMICAL/ *TECHNETIUM/
*THYROID DISEASES, metabolism/ THYROID
GLAND, drug effects/ *THYROID GLAND,
metabolism/ THYROTROPIN,
pharmacodynamics/ TIME FACTORS/
TRIIODOTHYRONINE, pharmacodynamics
1513. Hazeki T: Hemodynamic and metabolic effects of
activities of the adrenergic beta receptor in physical
exercise. Jap Circ J 37:141-61, Feb 73
ADULT/ ANIMAL EXPERIMENTS/ BLOOD
PRESSURE/ BLOOD SUGAR, metabolism/
DOGS/ *EXERTION/ FATTY ACIDS,
NONESTERIFIED, blood/ GLYCOGEN,
metabolism/ HEART RATE/
*HEMODYNAMICS/ HEMODYNAMICS, drug
effects/ HUMAN/ HYPERTHYROIDISM,
metabolism/ HYPERTHYROIDISM,
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GLYCOGEN, metabolism/ MALE/
*METABOLISM/ MIDDLE AGE/ MUSCLES,
metabolism/ OXYGEN CONSUMPTION/
PROPRANOLOL, pharmacodynamics/
PYRUVATES, blood/ RATS/ *RECEPTORS,
ADRENERGIC/ TRIGLYCERIDES, metabolism
1514. Headings VE: Quantitative variation in erythrocyte
enzymes of the pig-tailed macaque, *Macaca
nemestrina*. J Med Primatol 2:100-7, 1973
ANEMIA, chemically induced/ *ANEMIA,
veterinary/ ANIMAL EXPERIMENTS/
CARBONIC ANHYDRASE, analysis/
ERYTHROCYTES, analysis/ *ERYTHROCYTES,
enzymology/ FEMALE/ GLUCOSEPHOSPHATE
DEHYDROGENASE, analysis/ HEMATOCRIT/
INJECTIONS, SUBCUTANEOUS/ *MACACA,
metabolism/ MONKEY DISEASES, chemically
induced/ PHENYLHYDRAZINE/ THYROXINE,
administration & dosage/ THYROXINE, blood
1515. Heald FP, Khan MA: Teenage obesity.
Pediatr Clin North Am 20:807-17, Nov 73 (63 ref.)
ADIPOSE TISSUE, drug effects/ ADIPOSE
TISSUE, pathology/ ADOLESCENCE/
ADOLESCENT PSYCHOLOGY/ ANIMAL
EXPERIMENTS/ CHILD/ CHILD,
PRESCHOOL/ CUSHING'S SYNDROME,
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METABOLISM/ FEMALE/ FOOD HABITS/
HUMAN/ INFANT, NEWBORN/ INSULIN,
pharmacodynamics/ INSULIN, secretion/
MALE/ OBESITY, etiology/ OBESITY,
metabolism/ *OBESITY, pathology/ OBESITY,
therapy/ PHYSICAL EXAMINATION/
PREGNANCY/ REVIEW
1516. Healey FP: Inorganic nutrient uptake and deficiency in
algae.
CRC Crit Rev Microbiol 3:69-113, Sep 73 (428 ref.)
*ALGAE, metabolism/ ALKALINE
PHOSPHATASE, metabolism/ AMMONIA,
metabolism/ BORON, metabolism/ CALCIUM,
metabolism/ CARBON, metabolism/ CARBON
RADIOISOTOPES/ COBALT, metabolism/
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PHOTOSYNTHESIS/ PLANT PROTEINS,
metabolism/ POTASSIUM, metabolism/
REVIEW/ SILICON, metabolism/ SODIUM,
metabolism/ SULFUR, metabolism
1517. Healey TE: Letter: Bronchospasm following althesin
induction. Lancet 2:975, 27 Oct 73
*ANESTHETICS, adverse effects/
*BRONCHIAL SPASM, chemically induced/
FEMALE/ HUMAN/ HYDROXYSTEROIDS,
adverse effects/ MIDDLE AGE/
*PREGNANEDIONES, adverse effects
1518. Hedley AJ: Long-term aftercare for patients treated for
thyrotoxicosis. Br J Surg 60:771-4, Oct 73
*AFTER CARE/ AGE FACTORS/
COMPUTERS/ EMIGRATION AND
IMMIGRATION/ FOLLOW-UP STUDIES/
GENERAL PRACTICE/ HUMAN/
HYPERTHYROIDISM, radiotherapy/
HYPERTHYROIDISM, surgery/
*HYPERTHYROIDISM, therapy/
HYPOTHYROIDISM, prevention & control/
IODINE RADIOISOTOPES, therapeutic use/
*LONG TERM CARE/ MEDICAL RECORDS/
PATIENT CARE PLANNING/
POSTOPERATIVE COMPLICATIONS,
prevention & control
1519. Hégésippe M, Beydon J, Bardy A, et al: Stannous
pyrophosphate labeled with technetium-99m for
skeletal scintigraphy.
J Nucl Biol Med 17:93-6, Jul-Sep 73
ANIMAL EXPERIMENTS/ *BONE AND
BONES/ BONE NEOPLASMS, diagnosis/
FEMALE/ HUMAN/ MALE/ NEOPLASM
METASTASIS/ *PYROPHOSPHATES/

AUTHOR SECTION

- *RADIOISOTOPE SCANNING/ RATS/
*TECHNETIUM/ *TIN
120. Heggie AD, Stjernholm RL: Altered mucopolysaccharide metabolism in organ cultures of fetal hamster bones infected by the H-1 strain of parovirus. *Teratology* 8:147-52, Oct 73
ANIMAL EXPERIMENTS/ BONE AND BONES, embryology/ *BONE AND BONES, metabolism/ *BONE DEVELOPMENT/ *BONE DISEASES, DEVELOPMENTAL, etiology/ CARTILAGE, metabolism/ CATTLE/ FEMALE/ FORMALDEHYDE, diagnostic use/ HAMSTERS/ IN VITRO/ MUCOPOLYSACCHARIDES, biosynthesis/ *MUCOPOLYSACCHARIDES, metabolism/ ORGAN CULTURE/ ORGAN WEIGHT/ *PARVOVIRUSES/ PREGNANCY/ RATS, embryology/ SULFUR RADIOISOTOPES/ TIBIA, embryology/ VIRUS DISEASES, metabolism
121. Heick HM, Vachon C, Kallal MA, et al: The effects of thyroxine and isopropylnoradrenaline on cytochrome oxidase activity in brown adipose tissue. *Can J Physiol Pharmacol* 51:751-8, Oct 73
ACCLIMATIZATION/ ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BROWN FAT, analysis/ BROWN FAT, cytology/ *BROWN FAT, enzymology/ CATTLE/ COLD/ CYTOCHROME C/ *CYTOCHROME OXIDASE, metabolism/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ MALE/ MITOCHONDRIA, enzymology/ ORGAN WEIGHT/ OXYGEN CONSUMPTION, drug effects/ PROTEINS, analysis/ RATS/ SUCCINATE DEHYDROGENASE, metabolism/ *THYROXINE, pharmacodynamics/ TIME FACTORS
122. Helmrich T: Aktywność pirrolidonylopeptydazy (PLP) u osobników żeńskich. *Ginekol Pol* 44:941-2, Aug 73 (Pol)
ADOLESCENCE/ ADULT/ *AMINOPEPTIDASES, metabolism/ ANIMAL EXPERIMENTS/ CHILD, PRESCHOOL/ ESTRUS/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOTHYSEAL SYSTEM, enzymology/ INFANT, NEWBORN/ LH, secretion/ PREGNANCY/ PYRROLIDINONES/ RATS/ SEX FACTORS
123. Heinze HG, Rettig M, Pfeifer KJ, et al: TSH-Stimulation der Schilddrüse. Anstieg des Hormonspiegels und der Radiojodaufnahme. *Nucl Med (Stuttg)* 12:1-13, 31 May 73 (Ger)
ADENOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHYROIDISM, diagnosis/ IODINE, metabolism/ IODINE RADIOISOTOPES/ PROTEIN-BOUND IODINE TEST/ STIMULATION, CHEMICAL/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROID NEOPLASMS, diagnosis/ *THYROTROPIN, diagnostic use/ THYROXINE, metabolism
124. Helle KB: Formation in vitro of matrix-like aggregates of chromogranins and phospholipids derived from chromaffin granules of the bovine adrenal medulla. *Biochim Biophys Acta* 318:181-96, 22 Aug 73
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADRENAL MEDULLA/ BINDING SITES/ CARBON RADIOISOTOPES/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMAFFIN SYSTEM/ CHROMAFFIN SYSTEM, cytology/ CHROMAFFIN SYSTEM, drug effects/ CHROMAFFIN SYSTEM, enzymology/ CHROMOGRANINS/ DOPAMINE BETA HYDROXYLASE, analysis/ DOPAMINE BETA HYDROXYLASE, metabolism/ ENZYME ACTIVATION/ FREEZING/ MACROMOLECULAR SYSTEMS/ MICROSCOPY, ELECTRON/ *NERVE TISSUE PROTEINS/ NOREPINEPHRINE, pharmacodynamics/ *PHOSPHOLIPIDS/ PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ VIBRATION
125. Helle KB: Biochemical studies of the chromaffin granule. 3. Redistribution of lipid phosphate, dopamine-beta-hydroxylase and chromogranin A after freezing and thawing of the isolated granule membranes. *Biochim Biophys Acta* 318:167-80, 22 Aug 73
ADRENAL GLANDS, analysis/ CATTLE/ CELL MEMBRANE, analysis/ CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMAFFIN SYSTEM, analysis/ CHROMAFFIN SYSTEM, cytology/ CHROMAFFIN SYSTEM, enzymology/ CHROMOGRANINS, analysis/ COPPER, analysis/ DIALYSIS/ *DOPAMINE BETA HYDROXYLASE, analysis/ FREEZING/ GEL DIFFUSION TESTS/ LIPOSOMES, analysis/ MICROSCOPY, ELECTRON/ *NERVE TISSUE PROTEINS, analysis/ *PHOSPHOLIPIDS, analysis/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION
126. Heller H: The effects of oxytocin and vasopressin during the oestrous cycle and pregnancy on the uterus of a marsupial species, the quokka (*Setonix brachyurus*). *J Endocrinol* 58:657-71, Sep 73
ANIMAL EXPERIMENTS/ ENDOMETRIUM, drug effects/ ESTRUS/ FEMALE/ IN VITRO/ *MARSUPIALIA, physiology/ MUSCLE CONTRACTION, drug effects/ OVARY, surgery/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ SEASONS/ STIMULATION, CHEMICAL/ TIME FACTORS/ UTERUS, anatomy & histology/ *UTERUS, drug effects/ *VASOPRESSIN, pharmacodynamics
127. Hellman B, Lernmark A, Sehlin J, et al: The pancreatic beta-cell recognition of insulin secretagogues. Inhibitory effects of a membrane probe on the islet uptake and insulin-releasing action of glibenclamide. *FEBS Lett* 34:347-9, 15 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ GLIBENCLAMIDE, metabolism/ *GLIBENCLAMIDE, pharmacodynamics/ GLUCOSE/ GLYCOSIDES, metabolism/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, secretion/ ISOTOPE LABELING/ MICE/ STILBENES, pharmacodynamics/ SULFONIC ACIDS, pharmacodynamics/ THIOCYANATES, pharmacodynamics/ TIME FACTORS/ TRITIUM/ UREA, metabolism
128. Helwig H, Braun W, Brambs HJ: Vitamin D-Bedarf atypischer Rachitis-Formen. *Monatsschr Kinderheilkd* 121:362-4, Jul 73 (Ger)
ACIDOSIS, complications/ ADOLESCENCE/ BONE DISEASES, complications/ CHILD/ EPILEPSY, complications/ FEMALE/ HUMAN/ IDIOCY, complications/ INFANT/ INFANT, NEWBORN/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ MICROCEPHALY, complications/ RICKETS, complications/ *RICKETS, drug therapy/ SPASMOPHILIA, etiology/ SYNDROME/ *VITAMIN D, administration & dosage
129. Hemmer R: Hirntumoren im Kindesalter. *Med Klin* 68:1175-81, 14 Sep 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ ASTROCYTOMA, diagnosis/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, radiography/ BRAIN NEOPLASMS, surgery/ CHILD/ CHILD, PRESCHOOL/ CONVULSIONS, etiology/ CRANIAL FOSSA, POSTERIOR/ CRANIOPHARYNGIOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ ENDOCRINE DISEASES, diagnosis/ EPENDYMOMA, diagnosis/ FEMALE/ HUMAN/ INFANT/ MALE/ MEDULLOBLASTOMA, diagnosis/ MENTAL DISORDERS, diagnosis/

AUTHOR SECTION

- MOVEMENT DISORDERS, diagnosis/
PROGNOSIS/ VOMITING, diagnosis
1530. Hempelmann G, Helms U, Waldhausen E, et al: Kreislaufuntersuchungen über CT 1341, einem Steroid-Anaestheticum, bei Patienten mit angeborenen und erworbenen Herzfehlern. *Anaesthesist* 22:345-52, Aug 73 (Ger)
ADULT/ ANAPHYLAXIS, chemically induced/
ANESTHESIA, INTRAVENOUS/
ANESTHETICS, adverse effects/
*ANESTHETICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ CARDIAC VOLUME, drug effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ EXTRACORPOREAL CIRCULATION/ FEMALE/ HEART RATE, drug effects/ *HEART VALVE DISEASES, complications/ HEART VALVE DISEASES, congenital/ HEART VALVE DISEASES, surgery/ HEART VENTRICLE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ HYDROXYSTERIODS, adverse effects/ HYDROXYSTERIODS, pharmacodynamics/ KETOSTEROIDS, adverse effects/ KETOSTEROIDS, pharmacodynamics/ MALE/ MIDDLE AGE/ NEUROLEPTOANALGESIA/ PREGNANES, adverse effects/ *PREGNANES, pharmacodynamics/ VASCULAR RESISTANCE, drug effects
1531. Henderson BM, Dujon EB: Snake bites in children. *J Pediatr Surg* 8:729-33, Oct 73
ANTIVENINS, therapeutic use/ CHILD, PRESCHOOL/ FASCIA, surgery/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ METHODS/ SNAKE BITES, surgery/ *SNAKE BITES, therapy
1532. Henderson LL, Larson JB, Gleich GJ: Effect of corticosteroids on seasonal increases in IgE antibody. *J Allergy Clin Immunol* 52:352-7, Dec 73
ADOLESCENCE/ ADSORPTION/ ADULT/ ANTIBODIES, analysis/ *ANTIBODY FORMATION, drug effects/ FEMALE/ *GLUCOCORTICOIDS, pharmacodynamics/ HAY FEVER, drug therapy/ *HAY FEVER, immunology/ HUMAN/ *IGE, analysis/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ POLLEN/ SEASONS/ SKIN TESTS/ TRIAMCINOLONE ACETONIDE, therapeutic use
1533. Hendrix R: Klinische analytische studie van 28 gevallen van lupus erythematosus disseminatus. *Acta Clin Belg* 28:69-91, 1973 (Dut)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANTIMALARIALS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ ENGLISH ABSTRACT/ EYE DISEASES, etiology/ FEMALE/ HEART DISEASES, etiology/ HEMATOLOGIC DISEASES, etiology/ HUMAN/ JOINT DISEASES, etiology/ KIDNEY DISEASES, etiology/ LUNG DISEASES, etiology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MALE/ MENTAL DISORDERS, etiology/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ SKIN DISEASES, etiology
1534. Hendry IA, Iversen LL: Reduction in the concentration of nerve growth factor in mice after sialectomy and castration. *Nature* 243:550-4, 29 Jun 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ FEMALE/ GANGLIA, AUTONOMIC, enzymology/ GANGLIA, AUTONOMIC, metabolism/ MALE/ MICE/ MYOCARDIUM, metabolism/ NERVE GROWTH FACTOR, blood/ *NERVE GROWTH FACTOR, metabolism/ *SUBMANDIBULAR GLAND, physiology/ TIME FACTORS/ TRITIUM/ TYROSINE HYDROXYLASE, metabolism
1535. Henney CS, Lichtenstein LM, Gillespie E, et al: In vivo suppression of the immune response to alloantigen by cholera enterotoxin. *J Clin Invest* 52:2853-7, Nov 73
- ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ AGGLUTINATION TESTS/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGEN-ANTIBODY REACTIONS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ ENTEROTOXINS, administration & dosage/ *ENTEROTOXINS, pharmacodynamics/ FEMALE/ *IMMUNOSUPPRESSION/ INJECTIONS, INTRAPERITONEAL/ *ISOANTIGENS/ LYMPHOCYTES, immunology/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ SARCOMA, MAST CELL, immunology/ *SKIN, transplantation/ SPLEEN, analysis/ SPLEEN, immunology/ TRANSPLANTATION, HOMOLOGOUS/ *VIBRIO COMMA
1536. Hennings H: Commentary on "The epidermal chalone and keratinizing epithella" by E. B. Laurence. *Natl Cancer Inst Monogr* 38:69-70, Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CHALONES, metabolism/ DEMECOLCINE, pharmacodynamics/ DNA REPLICATION/ EPITHELIUM, metabolism/ MICE/ MITOSIS/ SKIN, drug effects/ *SKIN, metabolism/ TIME FACTORS
1537. Henningsen B, Maintz J, Basedow M, et al: Nephrotisches Syndrom durch Penicillamin. *Dtsch Med Wochenschr* 98:1768, 21 Sep 73 (Ger)
ADULT/ ARTHRITIS, RHEUMATOID, drug therapy/ BIOPSY/ ENGLISH ABSTRACT/ EXANTHEMA, chemically induced/ FEMALE/ HUMAN/ IGG/ KIDNEY, pathology/ *NEPHROTIC SYNDROME, chemically induced/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, immunology/ NEPHROTIC SYNDROME, pathology/ *PENICILLAMINE, adverse effects/ PENICILLAMINE, therapeutic use/ PREDNISONE, therapeutic use
1538. Henricks DM, Hill JR Jr, Dickey JF, et al: Plasma hormone levels in beef cows with induced multiple ovulations. *J Reprod Fertil* 35:225-33, Nov 73
ANIMAL EXPERIMENTS/ CATTLE/ *ESTROGENS, blood/ FEMALE/ FERTILIZATION, drug effects/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *LH, blood/ ORGAN WEIGHT/ OVARY/ *OVULATION, drug effects/ OVUM/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS
1539. Henriksen GF: Status epilepticus partialis wit fear as clinical expression. Report of a case and ictal EEG findings. *Epilepsia* 14:39-46, Mar 73
ADULT/ AMYGDALOID BODY, surgery/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, TEMPORAL LOBE, drug therapy/ *EPILEPSY, TEMPORAL LOBE, etiology/ EPILEPSY, TEMPORAL LOBE, surgery/ *FEAR/ FEMALE/ HIPPOCAMPUS, surgery/ HUMAN/ *NEUROSES, ANXIETY, complications/ PRIMIDONE, therapeutic use/ TEMPORAL LOBE, surgery
1540. Henschel MJ: Proteolytic enzyme activity in the gut of doe-suckled and hand-reared rabbits. *Br J Nutr* 30:351-9, Sep 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ CATTLE/ CHYMOTRYPSIN, metabolism/ DIETARY CARBOHYDRATES/ DIETARY FATS/ DIETARY PROTEINS/ DIGESTION/ FEMALE/ GERM-FREE LIFE/ LACTATION/ *PANCREAS, enzymology/ *PEPTIDE HYDROLASES, analysis/ *RABBITS, metabolism/ *STOMACH, enzymology/ TRYPSIN, metabolism
1541. Hensel H: Neural processes in thermoregulation. *Physiol Rev* 53:948-1017, Oct 73 (317 ref.)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BEHAVIOR/ *BODY TEMPERATURE REGULATION/ CONDITIONING, OPERANT/ FEVER/ HIBERNATION/ HUMAN/ HYPOTHALAMUS, physiology/ IONTOPHORESIS/ MESENCEPHALON, physiology/ MODELS, BIOLOGICAL/ MOTIVATION/ MOTOR

AUTHOR SECTION

- ACTIVITY/ *NERVOUS SYSTEM, physiology/
NEURAL TRANSMISSION/ NEURONS,
AFFERENT/ PYROGENS, pharmacodynamics/
REVIEW/ SHIVERING/ SKIN, innervation/
SLEEP/ SPINAL CORD, physiology/
SWEATING/ TEMPERATURE/
THERMORECEPTORS, cytology/
*THERMORECEPTORS, physiology/
VASOMOTOR SYSTEM, physiology
2. Herbaczynska-Cedro K, Vane JR: Contribution of
intrarenal generation of prostaglandin to
autoregulation of renal blood flow in the dog.
Circ Res 33:428-36, Oct 73
ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BLOOD PRESSURE, drug
effects/ CHICKENS/ DILATATION/ DOGS/
FEMALE/ FEMORAL VEIN/ INDOMETHACIN,
administration & dosage/ INDOMETHACIN,
pharmacodynamics/ *KIDNEY, blood supply/
KIDNEY, metabolism/ MALE/ PERFUSION/
*PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, metabolism/
PYRROLIDONECARBOXYLIC ACID,
metabolism/ RATS/ REGIONAL BLOOD
FLOW/ RENAL ARTERY/ RENAL VEINS
3. Herbst HG, Leucht W: Das neugeborene Schwein als
Versuchstier. II. Die Blutglucose unter Kältelast.
Z Versuchstierkd 15:65-82, 1973 (Ger)
ANIMAL EXPERIMENTS/ *ANIMALS,
NEWBORN, physiology/ *BLOOD SUGAR,
analysis/ DISEASE MODELS, ANIMAL/
ENGLISH ABSTRACT/ HYPERGLYCEMIA,
blood/ HYPOGLYCEMIA, blood/
*HYPOTHERMIA, INDUCED/
*PITUITARY-ADRENAL SYSTEM, physiology/
*SWINE, physiology
4. Hernández-Richter HJ, Benfer J, Struck H:
Experimental studies on fracture-healing. I. A
method for in vivo measuring the stability of bones.
Calcif Tissue Res 13:11-8, 1973
ANIMAL EXPERIMENTS/ BIOMECHANICS/
BONE AND BONES, physiology/ DOGS/
FEMALE/ *FRACTURES/ MALE/ RABBITS/
*WOUND HEALING
5. Herne N, Chagnon A, Marion J, et al: Lettre:
Hypothyroïdisme et benzodiazépines: syndrome pyramidal
régressif des membres inférieurs.
Nouv Presse Med 2:2411, 13 Oct 73 (Fre)
*BENZOFURANS, adverse effects/
BENZOFURANS, therapeutic use/ FEMALE/
HUMAN/ *HYPERTHYROIDISM, chemically
induced/ HYPERTHYROIDISM, complications/
JOINT DISEASES, drug therapy/ MIDDLE
AGE/ NEUROLOGIC MANIFESTATIONS/
PAIN/ PYRAMIDAL TRACTS/ SPINAL CORD
DISEASES, complications/ *URICOSURIC
AGENTS, adverse effects/ URICOSURIC
AGENTS, therapeutic use
6. Herrath D, Kraft D, Schaefer K: Influence of disodium
dichloromethylene diphosphonate on
25-hydroxycholecalciferol metabolism in rats.
Naunyn Schmiedeberg Arch Pharmacol 278:435-40, 26
Jul 73
ANIMAL EXPERIMENTS/
HYDROXYCHOLECALCIFEROL, blood/
*HYDROXYCHOLECALCIFEROL, metabolism/
INTESTINES, metabolism/ KIDNEY,
metabolism/ *PHOSPHONIC ACIDS,
pharmacodynamics/ RATS/ SODIUM,
pharmacodynamics/ TRITIUM/ VITAMIN D,
metabolism
7. Herrera Pombo JL, Larrodera L: Valoración de los
NEFA plasmáticos tras infusión de arginina. "una
prueba sencilla de actividad biológica de la STH".
Rev Clin Esp 130:111-6, 31 Jul 73 (Spa)
ADOLESCENCE/ ADULT/ *ARGININE,
diagnostic use/ CHILD/ CHILD, PRESCHOOL/
ENGLISH ABSTRACT/ FASTING/ *FATTY
ACIDS, NONESTERIFIED, blood/ FEMALE/
HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY
DISEASES, blood/ PITUITARY DISEASES,
physiopathology/ PITUITARY GLAND,
physiopathology/ *PITUITARY GLAND
FUNCTION TESTS/ *PITUITARY
NEOPLASMS, blood/ PITUITARY
NEOPLASMS, physiopathology/
*SOMATOTROPIN, secretion
1548. Herrmann WL, Heinrichs WL, Tabel T: Peripheral
control of hormone metabolism.
Am J Obstet Gynecol 117:879-88, 1 Nov 73
ANIMAL EXPERIMENTS/ BABOONS/ *BRAIN,
metabolism/ CARBON RADIOISOTOPES/
*CEREBRAL CORTEX, enzymology/
CHROMATOGRAPHY/ CYTOSOL, enzymology/
ESTRUS/ FEEDBACK/ FEMALE/ HORMONES,
metabolism/ *HYDROXYSTEROID
DEHYDROGENASES, physiology/
*HYPOTHALAMUS, enzymology/ IN VITRO/
MALE/ MICROSOMES, enzymology/
MONKEYS/ *OXIDOREDUCTASES, physiology/
PITUITARY GLAND, enzymology/
*PROGESTERONE, metabolism/
PROGESTERONE, physiology/ RADIOISOTOPE
DILUTION TECHNIC/ RATS/ SEX FACTORS/
SPECIES SPECIFICITY
1549. Hervonen A: Large vesicles of the adrenergic nerves of
the rabbit uterus. Acta Physiol Scand 88:430-2, Jul 73
ANIMAL EXPERIMENTS/ *AXONS, cytology/
AXONS, drug effects/ DOPAMINE,
pharmacodynamics/ ESTRADIOL,
pharmacodynamics/ FEMALE/ MICROSCOPY,
ELECTRON/ NERVE ENDINGS, drug effects/
NEURAL INHIBITION/ RABBITS/
*RECEPTORS, ADRENERGIC/ *UTERUS,
innervation
1550. Hessman Y, Thorén L: Extra- and intracellular
magnesium in hyperparathyroidism.
Acta Chir Scand 139:431-6, 1973
ADULT/ AGED/ BIOPSY, NEEDLE/
CALCIUM, blood/ CALCIUM, urine/ FEMALE/
HUMAN/ *HYPERPARATHYROIDISM,
metabolism/ HYPERPARATHYROIDISM,
therapy/ MAGNESIUM, blood/ *MAGNESIUM,
metabolism/ MAGNESIUM, urine/
*MAGNESIUM DEFICIENCY, etiology/ MALE/
MIDDLE AGE/ MUSCLES, metabolism/
MUSCLES, pathology/ POSTOPERATIVE
COMPLICATIONS/ SPECTROPHOTOMETRY/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION
1551. Hetzel BS, Pharoah PO: Letter: Hypothyroidism in
endemic cretinism in Brazil. Lancet 2:1325, 8 Dec 73
BRAZIL/ *CRETINISM, etiology/ FEMALE/
HUMAN/ *HYPOTHYROIDISM, complications/
INFANT, NEWBORN/ INFANT, NEWBORN,
DISEASES, etiology/ PREGNANCY/
PREGNANCY COMPLICATIONS
1552. Heywood R, Palmer AK, Foll CV, et al: Letter:
Pathological changes in fetal rhesus monkey induced
by oral chenodeoxycholic acid. Lancet 2:1021, 3 Nov 73
ADMINISTRATION, ORAL/ ADRENAL
GLANDS, pathology/ ANIMAL EXPERIMENTS/
CHENODEOXYCHOLIC ACID, administration &
dosage/ *CHENODEOXYCHOLIC ACID, adverse
effects/ FEMALE/ *FETUS, drug effects/
GESTATIONAL AGE/ HUMAN/ LIVER,
pathology/ MACACA/ PREGNANCY
1553. Hiebert CA, Morton JR: Some guidelines for surgery for
hyperparathyroidism based on a ten-year experience
with fifteen patients at the Maine Medical Center.
J Maine Med Assoc 64:193-5, Sep 73
*ADENOMA, surgery/ ADULT/ AGED/
CALCIUM, blood/ CALCIUM, urine/ FEMALE/
HUMAN/ HYPERPARATHYROIDISM,
diagnosis/ *HYPERPARATHYROIDISM,
surgery/ MALE/ METHODS/ MIDDLE AGE/
MULTIPHASIC SCREENING/ *PARATHYROID
NEOPLASMS, surgery
1554. Higgins HP, Ball D, Eastham S: 20-Min 99mTc thyroid
uptake: a simplified method using the gamma camera.
J Nucl Med 14:907-11, Dec 73
HUMAN/ HYPERTHYROIDISM,
physiopathology/ HYPOTHYROIDISM,
physiopathology/ *RADIOISOTOPE SCANNING/
*TECHNETIUM, diagnostic use/ *THYROID
GLAND FUNCTION TESTS, instrumentation/

AUTHOR SECTION

- THYROIDITIS, LYMPHOMATOUS,
physiopathology/ TIME FACTORS
1555. Hightower D, Kyzar JR, Chester DK, et al: In vitro thyroid function test: results during replacement therapy in hypothyroid Beagle dogs. Vet Med Small Anim Clin 68:1131-2, Oct 73
ANIMAL EXPERIMENTS/ *DOG DISEASES, drug therapy/ DOGS/ HYPOTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, veterinary/ *THYROID GLAND FUNCTION TESTS, veterinary/ THYROXINE, therapeutic use/ TRIIODOTHYRONINE, therapeutic use
1556. Hightower D, Kyzar JR, Chester DK, et al: Replacement therapy for induced hypothyroidism in dogs. J Am Vet Med Assoc 163:979-80, 15 Oct 73
ANIMAL EXPERIMENTS/ *DOG DISEASES, drug therapy/ DOG DISEASES, etiology/ FEMALE/ HYPOTHYROIDISM, etiology/ *HYPOTHYROIDISM, veterinary/ IODINE RADIOISOTOPES/ MALE/ THYROXINE, administration & dosage/ *THYROXINE, therapeutic use/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, therapeutic use
1557. Hilfrich J, Mohr U: Experimentelle Untersuchungen zur malignen Transformation sogenannter hyperplasogener Ovargeschwülste (Milzovar) bei der Ratte. Verh Dtsch Ges Kreislafforsch 56:532-5, 1972 (Ger)
ANIMAL EXPERIMENTS/ *BENZANTHRACENES/ *CELL TRANSFORMATION, NEOPLASTIC, drug effects/ ENGLISH ABSTRACT/ FEMALE/ *GRANULOSA CELL TUMOR, chemically induced/ GRANULOSA CELL TUMOR, pathology/ *OVARIAN NEOPLASMS, chemically induced/ OVARIAN NEOPLASMS, pathology/ OVARY, transplantation/ RATS/ SPLEEN, pathology/ SPLEEN, surgery/ TRANSPLANTATION, AUTOLOGOUS
1558. Hilgard P: Experimental hypercalcaemia and whole blood clotting. J Clin Pathol 26:616-9, Aug 73
ANIMAL EXPERIMENTS/ BENZOPYRANS/ *BLOOD COAGULATION/ BLOOD COAGULATION TESTS/ CALCIUM, blood/ CARCINOMA 256, WALKER, blood/ EDTA/ FEMALE/ GLUCONATES/ *HYPERCALCEMIA, blood/ HYPERCALCEMIA, chemically induced/ RATS/ THROMBELASTOGRAPHY/ TIME FACTORS
1559. Hilger P, Herrmann J, Krüskemper HL: Radiolimmunologische Schnellmethode zur Messung von Trijodthyronin im Serum ohne Extraktion. Z Klin Chem Klin Biochem 11:323-5, Aug 73 (Ger)
AGED/ AGING/ ANILINO NAPHTHALENESULFONATES/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE RADIOISOTOPES/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ *TRIIODOTHYRONINE, blood
1560. Hill HA, Sadler FF, Williams RJ, et al: The molecular structure of porphyrin complexes in solution: the interaction of metal porphyrins with various steroids. Ann NY Acad Sci 206:247-67, 1973
BINDING SITES/ CHEMISTRY/ COBALT/ COPPER/ *CORTICOSTERONE/ DEUTERIUM/ ELECTRON SPIN RESONANCE/ IRON/ MATHEMATICS/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/ NICKEL/ NUCLEAR MAGNETIC RESONANCE/ *ORGANOMETALLIC COMPOUNDS/ *PORPHYRINS/ *PROGESTERONE/ SILVER/ *TESTOSTERONE
1561. Hill SD, McCormack SA, Mason WA: Effects of artificial mothers and visual experience on adrenal responsiveness of infant monkeys. Dev Psychobiol 6:421-9, Sep 73
ADRENAL GLANDS, physiology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ CIRCADIAN RHYTHM/ EMOTIONS/ *ENVIRONMENT/ EXPLORATORY BEHAVIOR/ FEMALE/ *HYDROCORTISONE, blood/ HYPOTHALAMUS, physiology/ MACACA/ MALE/ *MATERNAL DEPRIVATION/ MONKEYS/ PITUITARY GLAND, physiology/ SOCIAL BEHAVIOR/ SOCIAL ISOLATION/ STRESS, PSYCHOLOGICAL/ *VISION
1562. Hillier SG, Cole EN, Groom GV, et al: Effect of active immunisation against testosterone-3-BSA on circulating levels of testosterone, LH, prolactin and testosterone antibody titre in the male rat. Steroids 22:227-38, Aug 73
ANIMAL EXPERIMENTS/ *ANTIBODIES, analysis/ BINDING SITES, ANTIBODY/ CATTLE/ DIALYSIS/ *IMMUNITY, ACTIVE/ *LH, blood/ MALE/ *PROLACTIN, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RATS/ *SERUM ALBUMIN, BOVINE/ TESTOSTERONE/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM
1563. Hillman JR, Davis RW, Abdelbaki YZ: Cyclic bone remodeling in deer. Calcif Tissue Res 12:323-30, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL CLOCKS/ BONE AND BONES, analysis/ *BONE AND BONES, growth & development/ BONE RESORPTION/ CALCIUM, analysis/ *DEER, growth & development/ DENSITOMETRY/ MAGNESIUM, analysis/ MALE/ METACARPUS, growth & development/ METATARSUS, growth & development/ PHOSPHORUS, analysis/ RIBS, growth & development/ SEASONS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIBIA, growth & development
1564. Hilz H, Kaukel E: Divergent action mechanism of cAMP and dibutyryl cAMP on cell proliferation and macromolecular synthesis in HeLa S3 cultures. Mol Cell Biochem 1:229-39, 27 Jun 73
ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ CELL DIVISION, drug effects/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DNA, NEOPLASM, biosynthesis/ GLYCOGEN, metabolism/ *HELA CELLS, drug effects/ HELA CELLS, metabolism/ KINETICS/ PHOSPHODIESTERASES, antagonists & inhibitors/ RNA, NEOPLASM, biosynthesis/ THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM/ URACIL NUCLEOTIDES, metabolism/ URIDINE, metabolism
1565. Hindriks FR, Groen A, Kroon AM: On the relation of heavy metals to the activity and heat stability of alkaline phosphatase from human placenta. Biochim Biophys Acta 315:94-102, 5 Jul 73
ALKALINE PHOSPHATASE/ ALKALINE PHOSPHATASE, blood/ *ALKALINE PHOSPHATASE, metabolism/ CATIONS, DIVALENT/ CHILD/ COMPARATIVE STUDY/ DIALYSIS/ DRUG STABILITY/ EDTA, pharmacodynamics/ ENZYME ACTIVATION/ FEMALE/ HEAT/ HUMAN/ ISOENZYMES, metabolism/ KINETICS/ LIVER DISEASES, blood/ *MAGNESIUM, pharmacodynamics/ MALE/ *MERCURY, pharmacodynamics/ OSTEOBLASTS, enzymology/ *PLACENTA, enzymology/ PREGNANCY/ SPECTROPHOTOMETRY/ TIME FACTORS/ *ZINC, pharmacodynamics
1566. Hintz HF, Schryver HF: Magnesium, calcium and phosphorus metabolism in ponies fed varying levels of magnesium. J Anim Sci 37:927-30, Oct 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT/ *CALCIUM, metabolism/ FECES, analysis/ *HORSES, metabolism/ *MAGNESIUM, administration & dosage/ MAGNESIUM, analysis/ MAGNESIUM, blood/

AUTHOR SECTION

- MAGNESIUM, urine/ NUTRITIONAL REQUIREMENTS/ *PHOSPHORUS, metabolism
67. Hiranol N: [Significance of PBI determination in thyroid function test-interpretation of the test results] Jap J Clin Med 31:1657-71, 1973 (Jap) ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ IODINE, blood/ MALE/ MIDDLE AGE/ *PROTEIN-BOUND IODINE TEST/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
68. Hiripi L, Szilanki J, Zs-Nagy I, et al: Subcellular distribution of biogenic monoamines in the central nervous system of *Anodonta cygnea* L. as revealed by density gradient centrifugation. J Neurochem 21:791-7, Oct 73 ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ DOPAMINE, analysis/ *GANGLIA, analysis/ GANGLIA, cytology/ MICROSCOPY, ELECTRON/ MICROSOMES, analysis/ MITOCHONDRIA, analysis/ *MUSSELS, analysis/ NERVE ENDINGS, analysis/ NOREPINEPHRINE, analysis/ SEROTONIN, analysis/ SPECTROMETRY, FLUORESCENCE/ SYNAPTOSOMES, analysis
69. Hirst DV: Letter: Thyroid function. Obstet Gynecol 42:627-8, Oct 73 ACHILLES TENDON/ HUMAN/ MASS SCREENING/ METHODS/ REFLEX, TENDON/ THYROID DISEASES, diagnosis/ *THYROID GLAND, physiology/ THYROID GLAND, secretion/ *THYROID GLAND FUNCTION TESTS
70. Hislop JS, Parker A: The use of a laser for cutting bone samples prior to chemical analysis. Analyst 98:694, Sep 73 ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ HUMAN/ *LASERS/ METHODS/ TRACE ELEMENTS, analysis
71. Hittelman KJ, Butcher RW: Effects of antihypolytic agents and alpha-adrenergic antagonists on cyclic AMP metabolism in hamster white adipocytes. Biochim Biophys Acta 316:403-10, 25 Sep 73 *ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ALCOHOL, PROPYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ EPIDIDYMIS/ EPINEPHRINE, pharmacodynamics/ HAMSTERS/ MALE/ *NICOTINIC ACID, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ *PHENOXYBENZAMINE, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *PYRAZOLES, pharmacodynamics/ TRITIUM
72. Hiwada K, Ito T, Kokubu T, et al: Effects of exogenous renin and sodium load on renin activity in unilaterally nephrectomized rats. Pfluegers Arch 342:105-10, 17 Aug 73 ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ FEMALE/ KIDNEY, analysis/ KIDNEY, physiology/ NEPHRECTOMY/ RATS/ RENIN, administration & dosage/ RENIN, analysis/ RENIN, blood/ *RENIN, physiology/ *SODIUM, pharmacodynamics
73. Ho BT, Meyer AL, Taylor D: Selective depletion of dopamine following O-methylation of 6-hydroxydopamine. Res Commun Chem Pathol Pharmacol 6:47-56, Jul 73 ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ CARBON ISOTOPES/ CATECHOL METHYLTRANSFERASE, metabolism/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ *DOPAMINE, metabolism/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ LIVER, enzymology/ MALE/ METHYLATION/ NOREPINEPHRINE, metabolism/ RATS/ TIME FACTORS
1574. Hobeika CP, Rockwell RJ Jr: Laser microsurgery in experimental otolaryngology. Trans Am Acad Ophthalmol Otolaryngol 76:325-33, Mar-Apr 72 ARGON/ CARBON DIOXIDE/ COCHLEA, radiation effects/ CRYSTALLIZATION/ EAR DISEASES, surgery/ HUMAN/ HYPOPHYSECTOMY/ LABYRINTH DISEASES, surgery/ LARYNGEAL DISEASES, surgery/ LASERS, instrumentation/ *LASERS, therapeutic use/ *MICROSURGERY, instrumentation/ NASAL MUCOSA, radiation effects/ NECROSIS, etiology/ NEODYMIUM/ NOSE DISEASES, surgery/ *OTORHINOLARYNGOLOGIC DISEASES, surgery/ PITUITARY GLAND, radiation effects/ STAPES SURGERY/ VOCAL CORDS, radiation effects
1575. Hochschild R: Effects of various additives on in vitro survival time of human fibroblasts. J Gerontol 28:450-1, Oct 73 ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ANTIOXIDANTS, pharmacodynamics/ *ASPIRIN, pharmacodynamics/ CELL LINE/ *CELL MEMBRANE, drug effects/ CELL SURVIVAL, drug effects/ CELLS, CULTURED/ CENTROPHENOXINE, pharmacodynamics/ COMPARATIVE STUDY/ CRESOLS, pharmacodynamics/ CULTURE MEDIA/ FEMALE/ *FIBROBLASTS, drug effects/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INOSITOL, pharmacodynamics/ LUNG, cytology/ METHODS/ PHOSPHOROUS ACIDS, pharmacodynamics/ *POLYVINYLPIRROLIDONE, pharmacodynamics/ TIME FACTORS/ VITAMIN E, pharmacodynamics
1576. Hodge RW, Palmer NC: The effects of calcium intake in the pre-ruminant lamb on body magnesium and liver copper levels. Aust Vet J 49:369-72, Aug 73 ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BONE AND BONES, analysis/ CALCIUM, analysis/ *CALCIUM, DIETARY/ *COPPER, analysis/ *LIVER, analysis/ *MAGNESIUM, analysis/ MAGNESIUM, blood/ PHOSPHORUS, blood/ *SHEEP, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION
1577. Hodgson BJ, Sullivan KB, Pauerstein CJ: The role of sympathetic nerves in the response of uterus and oviduct to field stimulation. Eur J Pharmacol 23:107-10, Jul 73 ANIMAL EXPERIMENTS/ BRETILUM COMPOUNDS, pharmacodynamics/ ELECTRIC STIMULATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GUANETHIDINE, pharmacodynamics/ IN VITRO/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ OVIDUCTS, drug effects/ *OVIDUCTS, innervation/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RABBITS/ RESERPINE, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TETRODOTOXIN, pharmacodynamics/ UTERUS, drug effects/ *UTERUS, innervation
1578. Hodgkinson HM: Non-specific presentation of illness. Br Med J 4:94-6, 13 Oct 73 AGED/ CENTRAL NERVOUS SYSTEM DISEASES, diagnosis/ COGNITION DISORDERS, diagnosis/ DEPRESSION, diagnosis/ *DIAGNOSIS/ ENDOCRINE

AUTHOR SECTION

- DISEASES, diagnosis/ FECAL
INCONTINENCE/ FEMALE/ *GERIATRICS/
HUMAN/ IATROGENIC DISEASE, diagnosis/
MALE/ MEDICAL HISTORY TAKING/
METABOLIC DISEASES, diagnosis/
MOVEMENT DISORDERS/ NEOPLASMS,
diagnosis/ RHEUMATISM, diagnosis/
SYNCOPE, diagnosis/ URINARY
INCONTINENCE
1579. Hoeffel JC, Brauer B, Jimenez J, et al: Radiographic patterns of dyschondrosteosis. (Leri-Weill disease). *Radiol Clin Biol* 42:366-72, 1973
ADOLESCENCE/ ADULT/ *AUTOSOME
ABNORMALITIES/ *BONE DISEASES,
DEVELOPMENTAL, familial & genetic/ BONE
DISEASES, DEVELOPMENTAL, radiography/
DIAGNOSIS, DIFFERENTIAL/ DISLOCATIONS,
familial & genetic/ *DWARFISM, familial &
genetic/ FEMALE/ *FOREARM, abnormalities/
FOREARM, radiography/ HUMAN/ MALE/
RADIUS, abnormalities/ *ULNA, abnormalities/
ULNA, radiography/ WRIST, abnormalities
1580. Hoehn H, Martin GM: Clonal variants of constitutive heterochromatin of human fibroblasts after recovery from mitomycin treatment.
Chromosoma 43:203-10, 10 Aug 73
BIOMETRY/ CELLS, CULTURED/
*CHROMOSOME ABERRATIONS/ CLONE
CELLS, drug effects/ DNA/ FIBROBLASTS,
drug effects/ *HETEROCHROMATIN, drug
effects/ HUMAN/ KARYOTYPING/
*MITOMYCIN, pharmacodynamics/ SEX
CHROMOSOMES, drug effects
1581. Hoerni B, Brunet R, Hoerni-Simon G: Le syndrome de Richter. Rapport de quatre observations et essai de démembrement.
Acta Haematol (Basel) 50:213-6, Oct 73 (Fre)
AGED/ CARCINOMA, EPIDERMOID, drug
therapy/ CHLORAMBUCIL, therapeutic use/
CYCLOPHOSPHAMIDE, therapeutic use/
DEGLUTITION DISORDERS, etiology/ DRUG
THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE,
complications/ HUMAN/ *LEUKEMIA,
LYMPHOCYTIC, complications/ LEUKEMIA,
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MIDDLE AGE/ PREDNISONE, therapeutic use/
PROCARBAZINE, therapeutic use/ SARCOMA,
RETICULUM CELL, drug therapy/ SARCOMA,
RETICULUM CELL, radiotherapy/
SYNDROME/ VINBLASTINE, therapeutic use/
VINCRIStINE, therapeutic use
1582. Hoffbrand BI, Forsyth RP, Melmon KL: Dose-related effects of isoprenaline on the distribution of cardiac output and myocardial blood flow in conscious monkeys. *Cardiovasc Res* 7:664-9, Sep 73
ADIPOSE TISSUE, blood supply/ ANIMAL
EXPERIMENTS/ BLOOD PRESSURE, drug
effects/ BONE AND BONES, blood supply/
*CARDIAC OUTPUT, drug effects/
CEREBROVASCULAR CIRCULATION, drug
effects/ *CORONARY CIRCULATION, drug
effects/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ HEART RATE, drug effects/
INJECTIONS, INTRAVENOUS/ INTESTINES,
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administration & dosage/ ISOPROTERENOL,
pharmacodynamics/ KIDNEY, blood supply/
MACACA/ MALE/ MONKEYS/ MUSCLES,
blood supply/ PANCREAS, blood supply/
SKIN, blood supply/ VASCULAR
RESISTANCE, drug effects
1583. Hoffbrand V, Tripp E, Catovsky D, et al: Transport of methotrexate into normal haemopoietic cells and into leukaemic cells and its effects on DNA synthesis. *Br J Haematol* 25:497-511, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
*BONE MARROW CELLS, metabolism/
CARBON RADIOISOTOPES/ DACTINOMYCIN,
pharmacodynamics/ DEOXYURIDINE,
metabolism/ *DNA, biosynthesis/ FOLIC ACID,
metabolism/ HUMAN/ *LEUKEMIA,
LYMPHOCYTIC, metabolism/ LEUKEMIA,
MYELOCYTIC, metabolism/ LYMPHOCYTE
TRANSFORMATION/ METHOTREXATE,
antagonists & inhibitors/ *METHOTREXATE,
metabolism/ MITOSIS, drug effects/
PHOSPHODIESTERASES, antagonists &
inhibitors/ PLANT AGGLUTININS/
PUROMYCIN, pharmacodynamics/ RNA,
biosynthesis/ THEOPHYLLINE,
pharmacodynamics/ THYMIDINE, metabolism/
TISSUE CULTURE/ TRITIUM
1584. Hoffman CM, Karu AE, Dev J: Renin-angiotensin system during labor: evaluation of renin activity in normal, pre-eclamptic, and pre-existing hypertensive patients. *Am J Obstet Gynecol* 117:537-43, 15 Oct 7
*ANGIOTENSIN, physiology/ ANGIOTENSIN II
physiology/ ANGIOTENSINASE, antagonists &
inhibitors/ FEMALE/ HUMAN/
HYPERTENSION, complications/ IODINE
ISOTOPES, DIAGNOSTIC/ *LABOR
COMPLICATIONS, etiology/ MUSCLE
CONTRACTION/ PLACENTA, blood supply/
PREGNANCY/ *PREGNANCY
COMPLICATIONS, CARDIOVASCULAR/
*PREGNANCY TOXEMIAS/
RADIOIMMUNOASSAY/ REGIONAL BLOOD
FLOW/ RENIN, blood/ *RENIN, physiology/
UTERUS, blood supply/ UTERUS, physiology
1585. Hoffmann B, Kyreln HJ, Ender ML: An efficient procedure for the determination of progesterone by radioimmunoassay applied to bovine peripheral plasma. *Horm Res* 4:302-10, 1973
ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ CROSS REACTIONS/
ESTRUS/ FEMALE/ GOATS, immunology/
HYDROXYPROGESTERONE/ MALE/
METHODS/ OVULATION/ *PROGESTERONE,
blood/ RABBITS, immunology/
RADIOIMMUNOASSAY/ TIME FACTORS/
TRITIUM
1586. Hoffmann R, Ristow HJ, Vesper J, et al: Properties of two growth-stimulating proteins isolated from fetal calf serum. *Exp Cell Res* 80:275-80, Aug 73
ADENYL CYCLASE, biosynthesis/ ADIPOSE
TISSUE, cytology/ ADIPOSE TISSUE,
metabolism/ AUTORADIOGRAPHY/ *BLOOD
PROTEINS/ *CELL DIVISION, drug effects/
CELLS, CULTURED/ ELECTROPHORESIS,
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ACTIVATION/ *FETUS/ GEL DIFFUSION
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SUBSTANCES/ IMMUNOELECTROPHORESIS/
*INSULIN/ LIPIDS, biosynthesis/
MACROGLOBULINS/ MOLECULAR WEIGHT/
RADIOIMMUNOASSAY/ RATS/ THYMIDINE,
metabolism/ TRITIUM
1587. Hoffmann-Blume E, Kunze M, Sittner S: Collagen-like-Protein als Aktivitätskriterium in der Verlaufsbeobachtung der progressiv chronischen Polyarthrit. *Z Gesamte Inn Med* 28:285-90, 15 May 73 (Ger)
ADULT/ AGED/ ALPHA GLOBULIN, analysis/
*ARTHRITIS, RHEUMATOID, blood/
ARTHRITIS, RHEUMATOID, drug therapy/
BLOOD PROTEIN ELECTROPHORESIS/
BLOOD SEDIMENTATION/ CHRONIC
DISEASE/ *COLLAGEN, blood/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
INDOMETHACIN, therapeutic use/ MALE/
MIDDLE AGE/ PEPTIDES, blood/
PREDNISONE, therapeutic use/
TRIAZQUONE, therapeutic use
1588. Hogarth PJ, Chalmers P: Effect of the neonatal administration of a single dose of chlorpromazine on the subsequent sexual development of male mice. *J Reprod Fertil* 34:539-41, Sep 73
ANIMAL EXPERIMENTS/ *ANIMALS,
NEWBORN/ *CHLORPROMAZINE,
pharmacodynamics/ *GENITALIA, MALE, drug
effects/ GENITALIA, MALE, growth &
development/ MALE/ MICE/ ORGAN
WEIGHT/ SEMINAL VESICLES, drug effects/
SPERMATOGENESIS, drug effects/ TESTIS,
drug effects/ TIME FACTORS
1589. Hohlweg-Majert P, Grumbrecht C: Risiko für Mutter und Kind durch Erkrankungen während der

AUTHOR SECTION

- Schwangerschaft.
 Fortschr Med 91:1289-71, 15 Nov 73 (Ger)
 BLOOD GROUP INCOMPATIBILITY/
 CYTOMEGALIC INCLUSION DISEASE,
 complications/ FEMALE/ FETAL DISEASES,
 etiology/ HUMAN/ HYDRAMNOS,
 complications/ INFANT, NEWBORN/ INFANT,
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 PREGNANCY COMPLICATIONS, therapy/
 PREGNANCY COMPLICATIONS, INFECTIOUS/
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 PREGNANCY TOXEMIAS, complications/ RH
 FACTORS/ RUBELLA, complications/
 SYPHILIS, complications/ TOXOPLASMOSIS,
 complications
90. Holberton PN: Letter: Intracranial venous thrombosis
 and the pill. Br Med J 4:51, 6 Oct 73
 *CEREBRAL EMBOLISM AND THROMBOSIS,
 chemically induced/ *CONTRACEPTIVES,
 ORAL, adverse effects/ ESTROGENS, adverse
 effects/ HUMAN/ THROMBOPHLEBITIS,
 chemically induced
91. Holdaway IM, Rees LH, Landon J: Circulating
 corticotropin levels in severe hypopituitarism and in
 the neonate. Lancet 2:1170-1, 24 Nov 73
 ADRENAL CORTEX HORMONES, secretion/
 ADRENAL GLAND NEOPLASMS,
 physiopathology/ ADULT/ ANIMAL
 EXPERIMENTS/ BIOLOGICAL ASSAY/
 BLOOD SPECIMEN COLLECTION/
 BRONCHIAL NEOPLASMS, blood/
 BRONCHIAL NEOPLASMS, metabolism/
 CIRCADIAN RHYTHM/ CORTICOTROPIN,
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 HORMONES, ECTOPIC, blood/ HUMAN/
 *HYPOPHYSECTOMY, blood/ *INFANT,
 NEWBORN/ METHODS/
 OXIDATION-REDUCTION/ RABBITS
92. Holdsworth CE, Endahl GL, Solfer N, et al: Comparative
 biochemical study of otosclerosis and osteogenesis
 imperfecta. Arch Otolaryngol 98:336-9, Nov 73
 ADENOSINE TRIPHOSPHATASE, analysis/
 ADOLESCENCE/ ALKALINE PHOSPHATASE,
 analysis/ CITRATES, pharmacodynamics/
 COMPARATIVE STUDY/ *EAR OSSICLES,
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 OSTEOGENESIS IMPERFECTA, etiology/
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 *PHOSPHATASES, analysis/ PHOSPHATES,
 analysis/ *PHOSPHOFRUCTOKINASE, analysis/
 *PROTEINS, analysis/ PYROPHOSPHATASES,
 analysis/ RIBS, analysis/ *TIBIA, analysis/
 TIBIA, pathology
93. Holdsworth CE, Endahl GL, Solfer N, et al: Aberrant
 behavior of phosphofructokinase from otosclerotic
 stapedes. Biochemical evidence and the metabolic
 consequences. Arch Otolaryngol 98:191-5, Sep 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
 metabolism/ ADENOSINE MONOPHOSPHATE,
 metabolism/ ADENOSINE TRIPHOSPHATE,
 metabolism/ CATTLE/ CITRATES,
 pharmacodynamics/ *EAR OSSICLES,
 enzymology/ GLYCOLYSIS/ HUMAN/ IN
 VITRO/ *OTOSCLEROSIS, enzymology/
 OTOSCLEROSIS, metabolism/
 PHOSPHOFRUCTOKINASE, analysis/
 *PHOSPHOFRUCTOKINASE, metabolism/
 STIMULATION, CHEMICAL
94. Hole K: Neurofysiologi og adferd.
 Tidsskr Nor Laegeforen 93:1302-5, 20 Jun 73 (Nor)
 ANIMAL EXPERIMENTS/ *BEHAVIOR/ BODY
 TEMPERATURE REGULATION/ *BRAIN,
 physiology/ BRAIN MAPPING/
 COMPARATIVE STUDY/ EATING/ ELECTRIC
 STIMULATION/ EMOTIONS/ FEEDBACK/
 HUMAN/ HYPOTHALAMUS, physiology/
 LIMBIC SYSTEM, physiology/ METHODS/
 MOTIVATION/ RATS/ RETICULAR
 FORMATION, physiology/ SPECIES
 SPECIFICITY
1595. Hollick MF, Kleiner-Bossaller A, Schnoes HK, et al:
 1,24,25-Trihydroxyvitamin D₃. A metabolite of
 vitamin D₃ effective on intestine.
 J Biol Chem 248:6691-6, 10 Oct 73
 ANIMAL EXPERIMENTS/ BIOLOGICAL
 ASSAY/ BIOLOGICAL TRANSPORT/ BONE
 AND BONES, metabolism/ CALCIUM, blood/
 CALCIUM, metabolism/ CHICKENS/
 CHOLECALCIFEROL, analysis/
 CHOLECALCIFEROL, isolation & purification/
 *CHOLECALCIFEROL, metabolism/
 CHROMATOGRAPHY, ION EXCHANGE/ DIET/
 *DUODENUM, metabolism/ GEL FILTRATION/
 *KIDNEY, metabolism/ MALE/
 OXIDATION-REDUCTION/ PERIODIC ACIDS/
 RATS/ SPECTROPHOTOMETRY, ATOMIC
 ABSORPTION/ SPECTROPHOTOMETRY,
 ULTRAVIOLET/ SPECTRUM ANALYSIS,
 MASS/ TRITIUM/ VITAMIN D DEFICIENCY
1596. Holl-Allen RT: A new look at recurrent nerve paralysis
 associated with thyroid disease.
 Proc R Soc Med 66:753-4, Aug 73
 FEMALE/ HUMAN/ MALE/ SEX FACTORS/
 *THYROID DISEASES, complications/
 *THYROID NEOPLASMS, complications/
 *VOCAL CORD PARALYSIS, etiology/ VOCAL
 CORD PARALYSIS, occurrence/ VOCAL
 CORD PARALYSIS, surgery
1597. Hollander W: Hypertension, antihypertensive drugs
 and atherosclerosis.
 Circulation 48:1112-27, Nov 73 (118 ref.)
 ANIMAL EXPERIMENTS/
 ANTIHYPERTENSIVE AGENTS,
 pharmacodynamics/ *ANTIHYPERTENSIVE
 AGENTS, therapeutic use/
 *ARTERIOSCLEROSIS, etiology/
 CATECHOLAMINES, metabolism/ *CEREBRAL
 ARTERIOSCLEROSIS, etiology/ *CORONARY
 DISEASE, etiology/ CORONARY DISEASE,
 prevention & control/ DIET THERAPY/
 HUMAN/ *HYPERTENSION, complications/
 HYPERTENSION, drug therapy/ RENIN,
 metabolism/ REVIEW/ SEX HORMONES,
 metabolism
1598. Hollenberg MD, Cuatrecasas P: Epidermal growth
 factor: receptors in human fibroblasts and modulation
 of action by cholera toxin.
 Proc Natl Acad Sci USA 70:2964-8, Oct 73
 BLOOD/ CELL LINE/ DIBUTYRYL CYCLIC
 AMP, pharmacodynamics/ DNA, biosynthesis/
 FEMALE/ *FIBROBLASTS, metabolism/
 GROWTH SUBSTANCES, antagonists &
 inhibitors/ *GROWTH SUBSTANCES,
 metabolism/ GROWTH SUBSTANCES,
 pharmacodynamics/ HUMAN/ INFANT,
 NEWBORN/ INSULIN, pharmacodynamics/
 IODINE RADIOISOTOPES/ LUNG/ MALE/
 POLYNUCLEOTIDES, biosynthesis/
 *RECEPTORS, DRUG/ SKIN/ STIMULATION,
 CHEMICAL/ THEOPHYLLINE,
 pharmacodynamics/ THYMIDINE, metabolism/
 *TOXINS, pharmacodynamics/ TRITIUM/
 URIDINE, metabolism/ *VIBRIO COMMA
1599. Hollifield JW: Clinical significance of plasma renin
 activity. J Tenn Med Assoc 66:947-8, Oct 73
 DIAGNOSIS, DIFFERENTIAL/ GLYCYPYRRHIZA,
 metabolism/ HUMAN/
 HYPERALDOSTERONISM, complications/
 *HYPERTENSION, blood/ HYPERTENSION,
 etiology/ HYPOKALEMIA, complications/
 *RENIN, blood/ SERODIAGNOSIS
1600. Hollinger MA: Effect of age, cryptorchidism and
 hypophysectomy on cyclic AMP concentration in rat
 testis. J Reprod Fertil 35:169-72, Oct 73
 *ADENOSINE CYCLIC 3',5'

AUTHOR SECTION

- MONOPHOSPHATE, analysis/ AGE FACTORS/
ANIMAL EXPERIMENTS/ *CRYPTORCHISM,
metabolism/ *HYPOPHYSECTOMY/ IODINE
RADIOISOTOPES/ MALE/
PHOSPHODIESTERASES, analysis/
*PITUITARY GLAND, physiology/
RADIOIMMUNOASSAY/ RATS/ *TESTIS,
analysis/ TESTIS, enzymology/ TRITIUM
1601. Hollins JG, Durakovic A, Storr MC: The retention of
americium and calcium by the skeleton of growing and
mature female rats. *Calcif Tissue Res* 12:239-46, 1973
AGE FACTORS/ *AMERICIUM, metabolism/
ANIMAL EXPERIMENTS/ *BONE AND
BONES, metabolism/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ FEMALE/
RADIATION DOSAGE/ *RATS, growth &
development/ TIME FACTORS
1602. Holló I: Letter: Intravenous aminophylline and
osteoporosis. *Lancet* 2:1203, 24 Nov 73
AMINOPHYLLINE, administration & dosage/
*AMINOPHYLLINE, adverse effects/
AMINOPHYLLINE, therapeutic use/ ANIMAL
EXPERIMENTS/ ASTHMA, drug therapy/
HUMAN/ INJECTIONS, INTRAVENOUS/
MALE/ MIDDLE AGE/ *OSTEOPOROSIS,
chemically induced/ RATS
1603. Holloway RH, Heath T: Effect of oestradiol benzoate on
biliary phospholipids in the rat.
Aust J Biol Sci 26:1009-13, Aug 73
ANIMAL EXPERIMENTS/ *BILE, metabolism/
BILE, secretion/ BILE ACIDS AND SALTS,
secretion/ CARBON RADIOISOTOPES/
CASTRATION/ CEPHALINS, metabolism/
*ESTRADIOL, pharmacodynamics/ FATTY
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biosynthesis/ METHIONINE, metabolism/
METHYLATION/ *PHOSPHOLIPIDS,
metabolism/ RATS/ SECRETORY RATE, drug
effects/ STIMULATION, CHEMICAL
1604. Holm H, Hustvedt BE, Lovo A: Protein metabolism in
rats with ventromedial hypothalamic lesions.
Metabolism 23:1377-87, Nov 73
ANIMAL EXPERIMENTS/ BODY
COMPOSITION/ BODY WATER/ BODY
WEIGHT/ *FEEDING BEHAVIOR/ FEMALE/
*HYPOTHALAMUS, physiology/ LIPIDS,
metabolism/ NITROGEN, metabolism/
*PROTEINS, metabolism/ RATS/ TIME
FACTORS
1605. Holmsen H, Ostvold AC, Day HJ: Behaviour of
endogenous and newly absorbed serotonin in the
platelet release reaction.
Biochem Pharmacol 22:2599-608, 15 Oct 73
ABSORPTION/ ADENOSINE DIPHOSPHATE,
pharmacodynamics/ BLOOD COAGULATION,
drug effects/ *BLOOD PLATELETS, drug
effects/ CARBON RADIOISOTOPES/
COLLAGEN, pharmacodynamics/
EPINEPHRINE, pharmacodynamics/ HUMAN/
IN VITRO/ INDOLES, analysis/ METHODS/
SEROTONIN, analysis/ *SEROTONIN,
metabolism/ SPECTROMETRY,
FLUORESCENCE/ SURFACE-ACTIVE
AGENTS/ THROMBIN, pharmacodynamics/
TRITIUM
1606. Holohan KN, Murphy RF, Flanagan RW, et al: Enzymic
iodination of the histidyl residue of secretin: a
radioimmunoassay of the hormone.
Biochim Biophys Acta 322:178-80, 21 Sep 73
CHEMISTRY/ CHLORAMINES/ COMPARATIVE
STUDY/ HISTIDINE/ HYDROGEN-ION
CONCENTRATION/ HYDROLYSIS/ IODINE
RADIOISOTOPES/ LACTATES/ METHODS/
PEPTIDES/ PEROXIDASES/
RADIOIMMUNOASSAY/ *SECRETIN/
SECRETIN, analysis/ THIOCYANATES
1607. Holt AB, Cheek DB, Kerr GR: Prenatal hypothyroidism
and brain composition in a primate.
Nature 243:413-5, 15 Jun 73
ANIMAL EXPERIMENTS/ BODY WATER,
analysis/ BRAIN, anatomy & histology/
*BRAIN CHEMISTRY/ CARBONIC
ANHYDRASE, analysis/ CHLORIDES, analysis/
*DISEASE MODELS, ANIMAL/ DNA, analysis/
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*HYPOTHYROIDISM, metabolism/ IODINE
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MONKEYS/ NERVE TISSUE PROTEINS,
analysis/ ORGAN WEIGHT/ PREGNANCY/
RNA, analysis/ SODIUM, analysis/ THYROID
HORMONES, blood/ THYROXINE, blood
1608. Holt R: Laparoscopic removal of an intrauterine
contraceptive device in an oral contraceptive user.
South Med J 66:1050, Sep 73
ADULT/ *CONTRACEPTIVES, ORAL/
ETHINYL ESTRADIOL/ FEMALE/ HUMAN/
*INTRAUTERINE DEVICES/ INTRAUTERINE
DEVICES, adverse effects/ *LAPAROSCOPY/
NORETHINDRONE/ UTERUS, injuries
1609. Hölttä E, Raina A: Stimulation of ornithine
decarboxylase and nuclear RNA polymerase activity
in rat liver by glucagon and dibutyl cyclic amp.
Acta Endocrinol (Kbb) 73:794-800, Aug 73
ADENOSINE, pharmacodynamics/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/
*CARBOXY-LYASES, metabolism/
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pharmacodynamics/ ORNITHINE/ RATS/ *RNA
POLYMERASE, metabolism/ STIMULATION,
CHEMICAL/ THEOPHYLLINE,
pharmacodynamics/ TIME FACTORS
1610. Holtzman SG, Jewett RE: Stimulation of behavior in the
rat by cyclazocine: effects of naloxone.
J Pharmacol Exp Ther 187:380-90, Nov 73
ANIMAL EXPERIMENTS/ AVOIDANCE
LEARNING, drug effects/ *BEHAVIOR,
ANIMAL, drug effects/ BRAIN, metabolism/
CYCLAZOCINE, antagonists & inhibitors/
*CYCLAZOCINE, pharmacodynamics/ DEXTRO
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MALE/ *NALOXONE, pharmacodynamics/
NOREPINEPHRINE, metabolism/ RATS/
SEROTONIN, metabolism/ STIMULATION,
CHEMICAL/ TIME FACTORS
1611. Holzmann H, Morsches B, Krapp R, et al: Zur Therapie
der Psoriasis mit Dehydroepiandrosteron-Oenanthat.
II. Im Verabfolgung von 300 mg Depot pro Woche.
Arch Dermatol Forsch 247:23-8, 1973 (Ger)
ANDROSTENOLS, blood/
DEHYDROEPIANDROSTERONE, administration
& dosage/ DEHYDROEPIANDROSTERONE,
blood/ *DEHYDROEPIANDROSTERONE,
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ABSTRACT/ ERYTHROCYTES, enzymology/
FEMALE/ GLUCOSEPHOSPHATE
DEHYDROGENASE, blood/ HUMAN/ MALE/
*PSORIASIS, drug therapy
1612. Homey CJ, Margolis S: Fatty acid oxidation and
esterification in isolated rat hepatocytes: regulation
by dibutyl adenosine 3',5'-cyclic monophosphate.
J Lipid Res 14:678-87, Nov 73
ACETATES, metabolism/ ADENOSINE CYCLIC
3',5' MONOPHOSPHATE, pharmacodynamics/
ALBUMINS/ ANIMAL EXPERIMENTS/
CARBON DIOXIDE, biosynthesis/ CARBON
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AUTHOR SECTION

- metabolism/ GLYCERIDES, metabolism/
HYALURONIDASE/ LIPIDS, isolation &
purification/ *LIVER, metabolism/ MALE/
PALMITIC ACID, metabolism/ RATS
1613. Hommes M, Mijl Dekker LP van der: Gas chromatographic determination of vitamin D in cod liver oil, pharmaceuticals and veterinary preparations. *Int J Vitam Nutr Res* 43:271-82, 1973
BIOLOGICAL ASSAY/ CAPSULES, analysis/
*CHOLECALCIFEROL, analysis/
CHOLECALCIFEROL, isolation & purification/
CHROMATOGRAPHY, GAS/ COLORIMETRY/
COMPARATIVE STUDY/ DRUG
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analysis/ METHODS/ POWDERS, analysis/
SOLUBILITY/ TABLETS, analysis/ *VITAMIN
D, analysis/ VITAMIN D, isolation &
purification
1614. Honicky RE, dePapp EW: Mediastinal teratoma with endocrine function. *Am J Dis Child* 126:650-3, Nov 73
ANTIGENS/ BLOOD SUGAR, analysis/ CHILD,
PRESCHOOL/ FOLLOW-UP STUDIES/
GLUCOSE TOLERANCE TEST/ HUMAN/
HYPOGLYCEMIA, etiology/ INSULIN, blood/
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MEDIASTINAL NEOPLASMS, surgery/
*NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ *TERATOID TUMOR/
TERATOID TUMOR, pathology/ TERATOID
TUMOR, radiography/ TERATOID TUMOR,
surgery
1615. Hook EB, Schull WJ: Why is the XX filter? Evidence consistent with an effect of X-heterosis in the human female from sex ratio data in offspring of first cousin marriages. *Nature* 244:570-3, 31 Aug 73
CONSANGUINITY/ FEMALE/
HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/
JAPAN/ PEDIGREE/ *SEX CHROMOSOMES/
SEX RATIO
1616. Hook EB, Schull WJ: Letter: Why is the XX filter? Evidence consistent with an effect of X-heterosis in women from sex ratio data in offspring of first cousin marriages. *Nature* 244:43-6, 6 Jul 73
*CONSANGUINITY/ FEMALE/ FERTILITY/
FETAL DEATH/ *HETEROZYGOTE/ HUMAN/
*INBREEDING/ MALE/ MORTALITY/
PEDIGREE/ PHYSICAL FITNESS/ *SEX
CHROMOSOMES/ SEX FACTORS/ SEX RATIO
1617. Hopkin DA: Letter: Antibiotics and endotox shock. *Br Med J* 4:111-2, 13 Oct 73
ANTIBIOTICS, administration & dosage/
*ANTIBIOTICS, adverse effects/
CHLORPROMAZINE, therapeutic use/
CORTISONE, therapeutic use/ HUMAN/
*SHOCK, ENDOTOXIC, etiology/ SHOCK,
ENDOTOXIC, prevention & control
1618. Horbach J, Liebergen F van, Mastboom J, et al: Pregnancy in a patient after cadaveric renal transplantation. *Acta Med Scand* 194:237-40, 1973
ADULT/ AGGLUTININS/ AZATHIOPRINE/
BIOPSY/ BLOOD PRESSURE/ CADAVER/
ESTROGENS, urine/ FEMALE/ *GRAFT
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*PREGNANCY COMPLICATIONS, immunology/
PREGNANCY COMPLICATIONS, urine/
PROTEINURIA/ TRANSPLANTATION,
HOMOLOGOUS
1619. Hori T, Nakayama T: Effects of biogenic amines on central thermoresponsive neurones in the rabbit. *J Physiol (Lond)* 232:71-85, Jul 73
*ACETYLCHOLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ COLD/ HEAT/
HYPOTHALAMUS, drug effects/
HYPOTHALAMUS, physiology/
IONTOPHORESIS/ MESENCEPHALON, drug
effects/ MESENCEPHALON, physiology/
*NOREPINEPHRINE, pharmacodynamics/
RABBITS/ *SEROTONIN, pharmacodynamics/
TEMPERATURE SENSE/
*THERMORECEPTORS, drug effects
1620. Horkay I, Prékopa A, Dalmy L, et al: A study on the relationship of porphyria cutanea tarda and liver damage. *Arch Dermatol Forsch* 247:235-43, 19 Sep 73
ADULT/ ALCOHOLISM, complications/
BLOODLETTING/ CONTRACEPTIVES, ORAL/
FEMALE/ GLUTAMATE DEHYDROGENASE,
blood/ HUMAN/ IGA, analysis/ IGG, analysis/
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DISEASES, complications/ MALE/ MIDDLE
AGE/ *PORPHYRIA, complications/
PORPHYRIA, enzymology/ PORPHYRIA,
immunology/ PORPHYRIA, therapy
1621. Horn AS: Structure activity relations for the inhibition of 5-HT uptake into rat hypothalamic homogenates by serotonin and tryptamine analogues. *J Neurochem* 21:883-8, Oct 73
ACETYLATION/ ANIMAL EXPERIMENTS/
BINDING SITES/ HYPOTHALAMUS, drug
effects/ *HYPOTHALAMUS, metabolism/ IN
VITRO/ MALE/ METHYLATION/ RATS/
*SEROTONIN, metabolism/ SEROTONIN,
pharmacodynamics/ STEREOISOMERS/
STRUCTURE-ACTIVITY RELATIONSHIP/
TRITIUM/ *TRYPTAMINES, pharmacodynamics
1622. Hornblass A, Dolan R: Choroidal hematoma and proptosis following cataract surgery. *Ann Ophthalmol* 5:1245-8, Nov 73
ADULT/ *CATARACT EXTRACTION/
*CHOROID/ CHOROID, surgery/
*EXOPHTHALMOS, etiology/ GLAUCOMA,
etiology/ HEMATOMA, complications/
*HEMATOMA, etiology/ HEMATOMA, surgery/
HUMAN/ INTRAOCULAR PRESSURE/ MALE/
*POSTOPERATIVE COMPLICATIONS/ VISUAL
ACUITY
1623. Hornig D, Gallo-Torres HE, Weiser H: A biliary metabolite of ascorbic acid in normal and hypophysectomized rats. *Biochim Biophys Acta* 320:549-56, 5 Oct 73
ANIMAL EXPERIMENTS/ *ASCORBIC ACID,
metabolism/ BILE/ BILE, drug effects/ *BILE,
metabolism/ BILE ACIDS AND SALTS,
pharmacodynamics/ CARBON
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GLAND, physiology/ RATS/ SOLUBILITY/
SULFURIC ACIDS, metabolism/
TAUROCHOLIC ACID, pharmacodynamics/
TIME FACTORS/ ULTRAFILTRATION
1624. Hornsby PJ, O'Hare MJ, Neville AM: Effect of ACTH on biosynthesis of aldosterone and corticosterone by monolayer cultures of rat adrenal zona glomerulosa cells. *Biochem Biophys Res Commun* 54:1554-9, 15 Oct 73
ADRENAL GLANDS, cytology/ *ADRENAL
GLANDS, metabolism/ *ALDOSTERONE,
biosynthesis/ ANIMAL EXPERIMENTS/
CELLS, CULTURED/ *CORTICOSTERONE,
biosynthesis/ *CORTICOTROPIN,
pharmacodynamics/ MALE/ RATS/ TIME
FACTORS
1625. Horrobin DF, Manku MS, Burstyn PG: Effect of intravenous prolactin infusion on arterial blood pressure in rabbits. *Cardiovasc Res* 7:585-7, Sep 73
ANIMAL EXPERIMENTS/ *BLOOD
PRESSURE, drug effects/ FEMALE/
FEMORAL ARTERY/ HEART RATE, drug
effects/ INJECTIONS, INTRAVENOUS/
PROLACTIN, administration & dosage/
*PROLACTIN, pharmacodynamics/ RABBITS/
TIME FACTORS
1626. Horstmann G, Schwarz R: Histomorphologische Untersuchungen zur Involution zystöser Gelbkörper des Rindes nach dem 21. Zyklustag.

AUTHOR SECTION

- Zentralbl Veterinärmed [C] 2:136-46, Jun 73 (Ger)
 CATTLE/ *CATTLE DISEASES, pathology/
 CORPUS LUTEUM CYST, pathology/
 *CORPUS LUTEUM CYST, veterinary/
 ENGLISH ABSTRACT/ *ESTRUS/ FEMALE
1627. Hortling H: Den somatiska utvecklingen under puberteten.
 Tidsskr Nor Laegeforen 93:989-94, 20 May 73 (Swe)
 ADOLESCENCE/ ADOLESCENT
 PSYCHOLOGY/ AGE DETERMINATION BY
 SKELETON/ BODY HEIGHT/ CHILD/ CHILD
 DEVELOPMENT/ FEMALE/ *GROWTH/
 HUMAN/ MALE/ PUBERTY/ TIME FACTORS
1628. Horton AW, Schuff AR, McClure DW: Ionic transport through model membranes. II. Function of cholesterol and steroid hormones.
 Biochim Biophys Acta 318:225-34, 22 Aug 73
 ALKANES/ *ANDROGENS/ ANDROSTERONE/
 AZO COMPOUNDS/ BIOLOGICAL
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 CHROMATOGRAPHY, THIN LAYER/
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 HORMONES/ PROGESTERONE/ SOLUBILITY/
 SPECTROPHOTOMETRY/
 SPECTROPHOTOMETRY, ULTRAVIOLET/
 STANOLONE/ TESTOSTERONE
1629. Horton CE, Devine CJ Jr: Peyronie's disease.
 Plast Reconstr Surg 52:503-10, Nov 73
 ABDOMINAL WALL/ ADULT/ AGED/
 ANIMAL EXPERIMENTS/ COITUS/ DOGS/
 HUMAN/ MALE/ METHODS/ MIDDLE AGE/
 OCCLUSIVE DRESSINGS/ PENILE
 INDURATION, complications/ PENILE
 INDURATION, drug therapy/ PENILE
 INDURATION, etiology/ *PENILE
 INDURATION, surgery/ PENIS, surgery/
 SKIN, transplantation/ STEROIDS, therapeutic
 use/ SUTURE TECHNIQS/
 TRANSPLANTATION, AUTOLOGOUS/
 VITAMIN E, therapeutic use
1630. Horton EW: Prostaglandins at adrenergic nerve-endings. Br Med Bull 29:148-51, May 73 (42 ref.)
 ADIPOSE TISSUE, drug effects/ ANIMAL
 EXPERIMENTS/ BLOOD VESSELS, drug
 effects/ ELECTRIC STIMULATION/ HEART
 ATRIUM, drug effects/ IN VITRO/
 INDOMETHACIN, pharmacodynamics/ MUSCLE,
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 *PROSTAGLANDINS, physiology/
 PROSTAGLANDINS, secretion/ REVIEW/
 SPLEEN, physiology/ *SYMPATHETIC
 NERVOUS SYSTEM, physiology/
 SYMPATHOMIMETICS, antagonists &
 inhibitors
1631. Horton EW: Prostaglandins.
 Monogr Endocrinol 7:1-197, 1972 (286 ref.)
 ADIPOSE TISSUE, drug effects/ ADRENAL
 GLANDS, drug effects/ BLOOD PLATELETS,
 drug effects/ CARDIOVASCULAR SYSTEM,
 drug effects/ CORPUS LUTEUM,
 drug effects/ GASTROINTESTINAL SYSTEM,
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 PROSTAGLANDINS, isolation & purification/
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 PROSTAGLANDINS, pharmacodynamics/
 PROSTAGLANDINS, physiology/
 RESPIRATORY SYSTEM, drug effects/
 REVIEW/ THYROID GLAND, drug effects/
 URINARY TRACT, drug effects
1632. Horven I: Dynamic tonometry. V. Further studies of the corneal indentation pulse in temporal arteritis.
 Acta Ophthalmol (Kbh) 51:353-66, 1973
- AGED/ BLOOD SEDIMENTATION/ *CORNEA,
 blood supply/ EMBOLISM/ FEMALE/
 HUMAN/ INTRAOCULAR PRESSURE/ MALE/
 MIDDLE AGE/ PREDNISOLONE, therapeutic
 use/ PULSE/ RETINAL ARTERY/
 TEMPORAL ARTERITIS, drug therapy/
 *TEMPORAL ARTERITIS, physiopathology/
 TONOMETRY/ VISUAL ACUITY
1633. Hou-Jensen K, Rawlinson DG, Hendrickson M:
 Proliferating histiocytic lesion. (Histiocytosis-X?).
 Association of an extensive mediastinal and
 retroperitoneal sclerosing lesion with Gagel's
 granuloma of the posterior lobe of the pituitary.
 Cancer 32:809-21, Oct 73
 AUTOPSY/ CASE REPORT/ FEMALE/
 *GRANULOMA, etiology/ HUMAN/
 *MEDIASITINAL DISEASES, etiology/
 MEDIASITINAL DISEASES, pathology/
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 *RETICULOENDOTHELIOSIS, diagnosis/
 *RETROPERITONEAL FIBROSIS, etiology/
 RETROPERITONEAL FIBROSIS, pathology/
 RETROPNEUMOPERITONEUM, pathology
1634. Houssay AB, De Harlin JF, Peronace AA: Comparison of the effects of parasympathetic denervation and administration of testosterone propionate on submaxillary glands of male mice.
 J Dent Res 52:1076-8, Sep-Oct 73
 ANIMAL EXPERIMENTS/ CASTRATION/
 COMPARATIVE STUDY/ DENERVATION/
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 INBRED C3H/ PARASYMPATHETIC
 NERVOUS SYSTEM, surgery/
 *SUBMANDIBULAR GLAND, drug effects/
 SUBMANDIBULAR GLAND, innervation/
 *TESTOSTERONE, pharmacodynamics
1635. Houssay AB, De Harlin JF: Effects of estrogens on submaxillary glands in mice.
 J Dent Res 52:1051-3, Sep-Oct 73
 ADRENALECTOMY/ ANIMAL EXPERIMENTS/
 BENZOATES, pharmacodynamics/
 CASTRATION/ *ESTRADIOL,
 pharmacodynamics/ HYPERTROPHY/ MALE/
 MICE/ MICE, INBRED C3H/ ORGAN
 WEIGHT/ *SUBMANDIBULAR GLAND, drug
 effects
1636. Hovell GJ, Cullen R, Brown-Grant K: The distribution of radiolodide in the genital tract of the ewe.
 J Reprod Fertil 34:535-7, Sep 73
 ANIMAL EXPERIMENTS/ CERVIX MUCUS,
 metabolism/ CERVIX UTERI, metabolism/
 ENDOMETRIUM, metabolism/ FEMALE/
 *GENITALIA, FEMALE, metabolism/
 IODIDES, metabolism/ IODINE ISOTOPES/
 SHEEP/ UTERUS, metabolism
1637. Hövels O: Klinik und Pathophysiologie der Rachitis. II. Prophylaxe und Therapie.
 Monatsschr Kinderheilkd 121:345-7, Jul 73 (Ger)
 AORTIC VALVE STENOSIS, etiology/
 HUMAN/ HYDROXYCHOLECALCIFEROL,
 therapeutic use/ HYPERCALCEMIA,
 chemically induced/ INFANT/ RICKETS,
 prevention & control/ *RICKETS, therapy/
 VITAMIN D, adverse effects/ VITAMIN D,
 therapeutic use
1638. Hovi T, Vaheri A: Cyclic AMP and cyclic GMP enhance growth of chick embryo fibroblasts.
 Nature [New Biol] 245:175-7, 10 Oct 73
 ADENOSINE, pharmacodynamics/ ADENOSINE
 CYCLIC 3',5' MONOPHOSPHATE, metabolism/
 *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, pharmacodynamics/
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AUTHOR SECTION

- MONOPHOSPHATE, pharmacodynamics/
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KINETICS/ NUCLEOTIDES, CYCLIC,
pharmacodynamics/ THEOPHYLLINE,
pharmacodynamics/ TRITIUM/ XANTHINES,
pharmacodynamics
1639. Howard E: Increased reactivity and impaired adaptability in operant behavior of adult mice given corticosterone in infancy.
J Comp Physiol Psychol 85:211-20, Oct 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN, growth & development/ BODY
WEIGHT, drug effects/ BRAIN, anatomy &
histology/ BRAIN, growth & development/
BRAIN CHEMISTRY, drug effects/
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(PSYCHOLOGY), drug effects/ FEEDING
BEHAVIOR, drug effects/ GROWTH, drug
effects/ MALE/ MICE/ ORGAN WEIGHT/
*REINFORCEMENT SCHEDULE
1640. Howards SS: Post-obstructive diuresis: a misunderstood phenomenon. J Urol 110:537-40, Nov 73
*ANURIA, complications/ BLOOD UREA
NITROGEN/ DIABETES INSIPIDUS,
complications/ DIABETES INSIPIDUS,
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*KIDNEY DISEASES, physiopathology/
KIDNEY FAILURE, ACUTE, physiopathology/
KIDNEY TUBULES, PROXIMAL,
physiopathology/ NATRIURESIS/ REGIONAL
BLOOD FLOW/ URETERAL OBSTRUCTION,
complications
1641. Howatt WF, Heidelberger KP, LeGlovan DP, et al: Desquamative interstitial pneumonia. Case report of an infant unresponsive to treatment.
Am J Dis Child 128:346-8, Sep 73
AUTOPSY/ BIOPSY/ CHLOROTHIAZIDE,
therapeutic use/ DIURETICS, therapeutic use/
DRUG RESISTANCE/ EDEMA, drug therapy/
EDEMA, etiology/ FEMALE/
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*PULMONARY FIBROSIS, drug therapy/
PULMONARY FIBROSIS, pathology/
PULMONARY HEART DISEASE, etiology/
RESPIRATORY INSUFFICIENCY, etiology
1642. Howell SL, Montague W: Adenylate cyclase activity in isolated rat islets of Langerhans. Effects of agents which alter rates of insulin secretion.
Biochim Biophys Acta 320:44-52, 17 Aug 73
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ ARGININE,
pharmacodynamics/ EPINEPHRINE,
pharmacodynamics/ FLUORIDES,
pharmacodynamics/ GLIBENCLAMIDE,
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pharmacodynamics/ PROPRANOLOL,
pharmacodynamics/ PROTAGLANDINS,
pharmacodynamics/ RATS/ XYLITOL,
pharmacodynamics
1643. Howell WM, Bloom SE: Letter: Sex-associated differential fluorescence of mudminnow chromosomes and spermatozoa.
Nature 245:261-3, 5 Oct 73
ANIMAL EXPERIMENTS/ FEMALE/ *FISHES,
physiology/ FLUORESCENCE/ KARYOTYPING/
MALE/ MEIOSIS/ *SEX CHROMOSOMES/
*SEX DIFFERENTIATION DISORDERS/
*SPERMATOZOA, cytology
1644. Howes AD, Dyer IA, Haller WA: Manganese and sparteine sulfate effects on mineral metabolism.
J Anlm Sci 37:455-8, Aug 73
ACTIVATION ANALYSIS/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/ BONE
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PREGNANCY/ RADIOISOTOPES/ RATS/
SODIUM ISOTOPES/ *SPARTEINE,
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1645. Howland BE, Skinner KR: Effect of starvation on gonadotropin secretion in intact and castrated male rats. Can J Physiol Pharmacol 51:759-62, Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CASTRATION/ FEEDBACK/ FSH, analysis/
FSH, blood/ *FSH, secretion/ LH, analysis/
LH, blood/ *LH, secretion/ MALE/ ORGAN
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PITUITARY GLAND, physiopathology/
PROSTATE, anatomy & histology/ RATS/
*STARVATION, physiopathology/ TESTIS,
anatomy & histology/ *TESTIS,
physiopathology/ TIME FACTORS
1646. Hoyer LW, De los Santos RP, Hoyer JR: Antihemophilic factor antigen. Localization in endothelial cells by immunofluorescent microscopy.
J Clin Invest 52:2737-44, Nov 73
*ANTIGENS, analysis/ AORTA, immunology/
*ENDOTHELIUM, immunology/ *FACTOR VIII/
FLUORESCENT ANTIBODY TECHNIC/ GEL
DIFFUSION TESTS/ GOATS, immunology/
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immunology/ RABBITS, immunology/ SKIN,
immunology/ SPLEEN, immunology/ THYROID
GLAND, immunology/ UMBILICUS,
immunology
1647. Hrlcko GM, Birtch AG, Bennett AH, et al: Factors responsible for urinary fistula in the renal transplant recipient. Ann Surg 178:609-15, Nov 73
AZATHIOPRINE, pharmacodynamics/
CADAVER/ COMPARATIVE STUDY/ GRAFT
REJECTION, drug effects/ HUMAN/ KIDNEY,
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FISTULA, etiology/ URINARY FISTULA,
occurrence
1648. Hrizu D, Gaspar A, Teodorescu M, et al: Effets cytostatiques in vivo et in vitro du sulfocyanate de potasium.
Arch Roum Pathol Exp Microbiol 32:155-8, Mar 73
(Fr)
ANIMAL EXPERIMENTS/
ANTIHYPERTENSIVE AGENTS,
pharmacodynamics/ CARCINOMA, EHRlich
TUMOR/ CELL LINE/ *CELLS, CULTURED,
drug effects/ CHEMISTRY/ MICE/
POTASSIUM/ *SPLEEN, cytology/
*THIOCYANATES, pharmacodynamics/
THIOCYANATES, toxicity/ TIME FACTORS
1649. Hrubesch M, Wagner H, Böckel K, et al: Hypophysen-Gonaden-Regulation bei Patienten mit

AUTHOR SECTION

- chronischer Niereninsuffizienz unter Dauerhämodialyse. Med Welt 24:683-4, 27 Apr 73 (Ger)
ADULT/ *GONADS, physiopathology/
*HEMODIALYSIS/ HUMAN/ KIDNEY
FAILURE, CHRONIC, blood/ *KIDNEY
FAILURE, CHRONIC, therapy/ LH, blood/
LONG TERM CARE/ MALE/ MIDDLE AGE/
*PITUITARY GLAND, physiopathology/
TESTOSTERONE, blood
1650. Hsueh AJ, Peck EJ Jr, Clark JH: Oestrogen receptors in the mammary gland of the lactating rat. J Endocrinol 58:503-11, Sep 73
ANIMAL EXPERIMENTS/ BINDING SITES/
CELL NUCLEUS/ CYTOPLASM/
DIETHYLSTILBESTROL, metabolism/ DNA, analysis/ ESTRADIOL, metabolism/
ESTROGENS, blood/ *ESTROGENS, metabolism/ FEMALE/ *LACTATION/
*MAMMAE, metabolism/ OVARY, physiology/
RATS/ *RECEPTORS, HORMONE/ TIME FACTORS/ TRITIUM
1651. Hsueh W, Rostorfer HH: Chemically induced renal hypertrophy in the rat. Lab Invest 29:547-55, Nov 73
ADRENALECTOMY/ ALANINE AMINOTRANSFERASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/
BLOOD UREA NITROGEN/ CARBON RADIOISOTOPES/ DNA, biosynthesis/ *FOLIC ACID, pharmacodynamics/ HYPERTROPHY/
KIDNEY, anatomy & histology/ KIDNEY, drug effects/ KIDNEY, enzymology/ *KIDNEY, growth & development/ KIDNEY, metabolism/
KIDNEY FUNCTION TESTS/ MALE/ MANNITOL, pharmacodynamics/ ORGAN WEIGHT/ PROTEINS, analysis/ RATS/
*SULFADIAZINE, pharmacodynamics/
TRITIUM/ URINARY CATHETERIZATION
1652. Huang AS, Bcsmer P, Chu L, et al: Growth of pseudotypes of vesicular stomatitis virus with N-tropic murine leukemia virus coats in cells resistant to N-tropic viruses. J Virol 12:659-62, Sep 73
ANTIGENS, VIRAL, analysis/ CELL LINE/
HAMSTERS/ MICE/ MOLONEY VIRUS, immunology/ NEUTRALIZATION TESTS/
OVARY/ PLAQUE ASSAY/ *VESICULAR STOMATITIS VIRUS, growth & development/
VESICULAR STOMATITIS VIRUS, immunology/ *VIRAL PROTEINS/ VIRUS REPLICATION
1653. Huettmann U, Schueren KP, Schaefer JH: New aspects of the effects of aldosterone antagonists on respiration and pulmonary circulation in chronic cor pulmonale. Bull Physiopathol Respir (Nancy) 9:702-8, May-Jun 73
AGED/ *ALDOSTERONE, antagonists & inhibitors/ AMINOPHYLLINE, therapeutic use/
BLOOD GAS ANALYSIS/ HUMAN/ MIDDLE AGE/ *PULMONARY CIRCULATION, drug effects/ PULMONARY HEART DISEASE, drug therapy/ *PULMONARY HEART DISEASE, physiopathology/ *RESPIRATION, drug effects/
SPIRONOLACTONE, therapeutic use
1654. Hughes DW: Aplastic anaemia in childhood: a reappraisal. II. Idiopathic and acquired aplastic anaemia. Med J Aust 2:361-6, 25 Aug 73
ADOLESCENCE/ *ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, blood/ ANEMIA, APLASTIC, diagnosis/ *ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, etiology/
ANEMIA, APLASTIC, mortality/ ANEMIA, APLASTIC, pathology/ BONE MARROW, pathology/ CHILD/ CHILD, PRESCHOOL/
ERYTHROCYTE COUNT/ FEMALE/ FETAL HEMOGLOBIN, analysis/ FOLLOW-UP STUDIES/ GLUCOCORTICOIDS, therapeutic use/
HUMAN/ INFANT/ LYMPHOCYTES/ MALE/ PROGNOSIS/ RECURRENCE/
REMISSION/ RETICULOCYTES/ SEX FACTORS
1655. Hughes WT, Kim HK, Price RA, et al: Attempts at prophylaxis for murine Pneumocystis carinii pneumonia. Curr Ther Res 15:581-7, Aug 73
AMIDINES, administration & dosage/
- AMIDINES, therapeutic use/ ANIMAL EXPERIMENTS/ CORTISONE/
IMMUNIZATION/ MALE/ PNEUMONIA, INTERSTITIAL PLASMA CELL, chemically induced/ PNEUMONIA, INTERSTITIAL PLASMA CELL, immunology/ PNEUMONIA, INTERSTITIAL PLASMA CELL, pathology/
*PNEUMONIA, INTERSTITIAL PLASMA CELL, prevention & control/
PYRIMETHAMINE, therapeutic use/ RATS/
SULFONAMIDES, therapeutic use/ TIME FACTORS
1656. Huguenin A, Ferrand B, Guerlin D, et al: Polymicroadénomatose de la cortico-surrénale dans le syndrome de cushing. Ann Endocrinol (Paris) 34:206-15, Mar-Apr 73 (Fre)
*ADENOMA, complications/ ADENOMA, pathology/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENALECTOMY/
ADULT/ CUSHING'S SYNDROME, blood/
*CUSHING'S SYNDROME, complications/
CUSHING'S SYNDROME, drug therapy/
CUSHING'S SYNDROME, pathology/
CUSHING'S SYNDROME, therapy/ CUSHING'S SYNDROME, urine/ FEMALE/ HUMAN/
HYDROCORTISONE, blood/
HYDROCORTISONE, therapeutic use/
17-HYDROXYCORTICOSTEROIDS, urine/
HYPERGLYCEMIA/ HYPERPLASIA, complications/ 17-KETOSTEROIDS, urine/
*NEOPLASMS, MULTIPLE PRIMARY, complications/ RESPIRATORY TRACT INFECTIONS, complications
1657. Huhn D, Heinze HG, Steidle C: Diagnose und Therapie bei Morbus Hodgkin. Munch Med Wochenschr 115:865-77, 11 May 73 (Ger)
ANTINEOPLASTIC AGENTS, therapeutic use/
BIOPSY/ ENGLISH ABSTRACT/ GERMANY, WEST/ *HODGKIN'S DISEASE, diagnosis/
HODGKIN'S DISEASE, drug therapy/
HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiography/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LAPAROTOMY/
LYMPHOGRAPHY/ PREDNISONE, therapeutic use/ RADIOGRAPHY/ HIGH ENERGY/
REMISSION/ SPLENECTOMY/ THORACIC RADIOGRAPHY/ UROGRAPHY
1658. Huidt G, Gard S, Olovson SG: Effect of Toxoplasma gondii on the thymus. Nature 244:301-3, 3 Aug 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ ANTIBODY PRODUCING CELLS, immunology/
ANTIGEN-ANTIBODY REACTIONS/ BODY WEIGHT/ ERYTHROCYTES, immunology/
HEMOLYTIC PLAQUE TECHNIC/ MICE/
MICE, INBRED C57BL/ MICE, INBRED CBA/
NEUTRALIZATION TESTS/ ORGAN WEIGHT/
POLIOVIRUS VACCINE/ SHEEP, immunology/
THYMUS GLAND, anatomy & histology/
*THYMUS GLAND, immunology/ THYMUS GLAND, pathology/ *TOXOPLASMOSIS, ANIMAL, immunology/ TOXOPLASMOSIS, ANIMAL, pathology
1659. Hull EM, Rosselli L, Langan CJ: Effects of isolation and grouping on guinea pigs. Behav Biol 9:493-7, Oct 73
ADRENAL GLANDS, anatomy & histology/
AGE FACTORS/ AGGRESSION/ ANIMAL EXPERIMENTS/ BODY WEIGHT/
CROWDING/ EXPLORATORY BEHAVIOR/
FEMALE/ *GUINEA PIGS, growth & development/ LOCOMOTION/ MALE/ ORGAN WEIGHT/ SEX BEHAVIOR, ANIMAL/ SEX FACTORS/ *SOCIAL BEHAVIOR/ *SOCIAL ISOLATION/ STRESS, PSYCHOLOGICAL/
TESTIS, anatomy & histology
1660. Hull MG, Campbell GR: The malignant Brenner tumor. Obstet Gynecol 42:527-34, Oct 73
AGED/ BONE NEOPLASMS, etiology/
BRENNER TUMOR, diagnosis/ *BRENNER TUMOR, pathology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FEMORAL NEOPLASMS, radiography/ HUMAN/ ILIUM/ ISCHIUM/ NEOPLASM METASTASIS/

AUTHOR SECTION

- OVARIAN NEOPLASMS, diagnosis/ *OVARIAN NEOPLASMS, pathology/ PELVIC NEOPLASMS, radiography
1661. Hunter AR: Advances in anaesthesia. Practitioner 211:476-82, Oct 73 (37 ref.)
AIR POLLUTION/ ANALGESICS AND ANTIPYRETICS, antagonists & inhibitors/ *ANESTHESIA/ ANESTHESIA, INHALATION, adverse effects/ ANESTHESIOLOGY, manpower/ ANESTHETICS, adverse effects/ ANESTHETICS, metabolism/ BIOTRANSFORMATION/ HUMAN/ HYPERKALEMIA, complications/ OPERATING ROOMS/ PENTAZOCINE, adverse effects/ PENTAZOCINE, pharmacodynamics/ PREGNANES/ REVIEW/ SUCCINYLCHOLINE, adverse effects/ WOUNDS AND INJURIES, complications
1662. Hunter DJ, Akande EO, Carr P, et al: The clinical and endocrinological effect of oestradiol implants at the time of hysterectomy and bilateral salpingo-oophorectomy. J Obstet Gynaecol Br Commonw 80:827-33, Sep 73
*CASTRATION/ *ESTRADIOL, administration & dosage/ ESTRADIOL, therapeutic use/ *ESTROGENS, blood/ FEMALE/ FSH, blood/ HUMAN/ *HYSTERECTOMY/ LH, blood/ *MENOPAUSE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, prevention & control/ RADIOIMMUNOASSAY/ VAGINAL SMEARS
1663. Hunter JD, Manning E: Autoradiographic detection of diamine inhibition of mammalian sperm maturation. J Reprod Fertil 35:363-7, Nov 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BODY WEIGHT, drug effects/ *DIAMINES, pharmacodynamics/ MALE/ MICE/ ORGAN WEIGHT/ *SPERMATOGENESIS, drug effects/ TESTIS/ TRITIUM
1664. Hussa RO, Pattillo RA, Delfs FE, et al: Actinomycin D stimulation of HCG production by human choriocarcinoma. Obstet Gynecol 42:651-7, Nov 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CATTLE/ CELL LINE/ CELLS, CULTURED/ CHORIOCARCINOMA, drug therapy/ *CHORIOCARCINOMA, metabolism/ CULTURE MEDIA/ *DACTINOMYCIN, pharmacodynamics/ DACTINOMYCIN, therapeutic use/ GLUCOSE, analysis/ *GONADOTROPINS, CHORIONIC, biosynthesis/ HAMSTERS/ HUMAN/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ PREGNENOLONE, toxicity/ PROTEINS, analysis/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ TIME FACTORS/ TRANSPLANTATION, HETEROLOGOUS/ TROPHOBLAST, metabolism
1665. Hussain RA, Gifford RW Jr, Stewart BH, et al: Differential renal venous renin activity in diagnosis of renovascular hypertension. Review of 29 cases. Am J Cardiol 32:707-15, Oct 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ HUMAN/ *HYPERTENSION, RENAL, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ PROGNOSIS/ RENAL ARTERY, radiography/ RENAL ARTERY OBSTRUCTION, surgery/ *RENAL VEINS, enzymology/ RENIN, blood/ *RENIN, metabolism/ TIME FACTORS/ UROGRAPHY
1666. Hussey HH: Editorial: Fulminant hepatic failure. JAMA 228:1227, 3 Dec 73
AGE FACTORS/ AGED/ ANESTHESIA, adverse effects/ CALCIUM, administration & dosage/ *EXCHANGE TRANSFUSION/ GLUCONATES, administration & dosage/ HALOTHANE, adverse effects/ HEPATIC COMA, mortality/ HEPATIC COMA, pathology/ *HEPATIC COMA, therapy/ HUMAN/ LIVER DISEASES, chemically induced/ LIVER DISEASES, pathology/ *LIVER DISEASES, therapy/ MIDDLE AGE/ NECROSIS/
- *PARABIOSIS/ PROGNOSIS/ TETANY, prevention & control
1667. Hutchinson F, Adams L, Steward WK, et al: Letter: Effect of inhibitor concentration on radioimmunoassay of plasma renin activity. J Nucl Med 14:872-3, Nov 73
*DIMERCAPROL/ HUMAN/ *RADIOIMMUNOASSAY/ *RENIN, blood
1668. Huttunen MO: General model for the molecular events in synapses during learning. Perspect Biol Med 17:103-8, Autumn 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE TRIPHOSPHATE, metabolism/ AROUSAL/ CALCIUM, physiology/ HUMAN/ *LEARNING/ MEMORY/ *MODELS, CHEMICAL/ *MODELS, NEUROLOGIC/ MOLECULAR BIOLOGY/ NERVE TISSUE PROTEINS, biosynthesis/ NEURONS, physiology/ POLYRIBOSOMES, physiology/ *SYNAPSES, physiology/ SYNAPTIC MEMBRANES, metabolism/ SYNAPTIC MEMBRANES, physiology/ SYNAPTIC RECEPTORS, physiology
1669. Hvas S, Thorn NA: Hexosamine and heparin in homogenate and subcellular fractions from bovine neurohypophyses. Acta Endocrinol (Kbh) 74:209-14, Oct 73
ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CEREBRAL CORTEX, analysis/ ELECTROPHORESIS/ *HEPARIN, analysis/ *HEXOSAMINES, analysis/ MICROSCOPY, ELECTRON/ MUCOPOLYSACCHARIDES, analysis/ *PITUITARY GLAND, POSTERIOR, analysis/ SUBCELLULAR FRACTIONS, analysis
- I
1670. Iacobelli S: Induced protein synthesis and oestradiol binding to the nuclei in the rat uterus. Nature [New Biol] 245:154-5, 3 Oct 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON RADIOISOTOPES/ CASTRATION/ CELL NUCLEUS, metabolism/ DNA, biosynthesis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTRADIOL, metabolism/ ESTRUS/ FEMALE/ KINETICS/ LEUCINE, metabolism/ ORGAN WEIGHT/ *PROTEINS, biosynthesis/ PROTEINS, isolation & purification/ RATS/ *RECEPTORS, HORMONE/ TRITIUM/ UTERUS, anatomy & histology/ *UTERUS, metabolism
1671. Ibayashi H, Motomatsu T: [Serum testosterone-interpretation of the test results] Jap J Clin Med 31:1539-57, 1973 (87 ref.) (Jap)
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, blood/ ADULT/ AGED/ AGING/ ANDROGENS, blood/ CASTRATION/ CHILD/ CIRCADIAN RHYTHM/ CUSHING'S SYNDROME, blood/ FEMALE/ HUMAN/ HYPOPITUITARISM, blood/ INFANT, NEWBORN/ KLINEFELTER'S SYNDROME, blood/ MALE/ MENSTRUATION/ MYOTONIA ATROPHICA, blood/ OVARIAN NEOPLASMS, blood/ PREGNANCY/ REVIEW/ SEX FACTORS/ TESTICULAR FEMINIZATION, blood/ *TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ TESTOSTERONE, urine/ TURNER'S SYNDROME, blood/ VIRILISM, blood
1672. Ichikawa T: Histological observations on the pituitary gland and the glomerular body of the larvae of the marine teleost, Hexagrammos otakii. Z Zellforsch Mikrosk Anat 141:493-503, 14 Aug 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CORTICOTROPIN/ ERYTHROCYTE COUNT/ ERYTHROCYTES/ FEMALE/ *FISHES, anatomy & histology/ FRESH WATER/ KARYOMETRY/ *KIDNEY GLOMERULUS, anatomy & histology/ MALE/ *PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, cytology/ PITUITARY GLAND, POSTERIOR, anatomy & histology/ PROLACTIN/ SEAWATER/ SOMATOTROPIN/

AUTHOR SECTION

- STAINS AND STAINING/
WATER-ELECTROLYTE BALANCE
1673. Ichikawa T, Kobayashi H, Zimmermann P, et al: Pituitary response to environmental osmotic changes in the larval guppy, *Lebistes reticulatus* (Peters). *Z Zellforsch Mikrosk Anat* 141:161-79, 31 Jul 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
BIOMETRY/ CELL NUCLEUS/
CORTICOTROPIN/ FEMALE/ FISHES,
embryology/ *FISHES, physiology/ FRESH
WATER/ LARVA, physiology/ MALE/
*PITUITARY GLAND, cytology/ *PITUITARY
GLAND, POSTERIOR, cytology/ PROLACTIN/
SEAWATER/ SOMATOTROPIN/ STAINS AND
STAINING/ *WATER-ELECTROLYTE
BALANCE
1674. Igarashi M, Tamura S: [Urinary
gonadotropin-interpretation of the test results]
Jap J Clin Med 31:1574-83, 1973 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ *GONADOTROPINS,
urine/ HUMAN/ INFANT/ MALE/ MIDDLE
AGE
1675. Ignarro LJ: Neutral protease release from human
leukocytes regulated by neurohormones and cyclic
nucleotides. *Nature (New Biol)* 245:151-4, 3 Oct 73
ACETYLCHOLINE, pharmacodynamics/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ATROPINE, pharmacodynamics/ CHOLINE,
pharmacodynamics/ DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ EPINEPHRINE,
pharmacodynamics/ GLUCURONIDASE,
antagonists & inhibitors/ *GLUCURONIDASE,
blood/ *GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
HUMAN/ *LEUKOCYTES, enzymology/
*NEUROHORMONS, pharmacodynamics/
NOREPINEPHRINE, pharmacodynamics/
PEPTIDE HYDROLASES, antagonists &
inhibitors/ *PEPTIDE HYDROLASES, blood/
PHENYLEPHRINE, pharmacodynamics/
PILOCARPINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/
STIMULATION, CHEMICAL/ THEOPHYLLINE,
pharmacodynamics
1676. Iino S: [Triosorb, tetrasorb and ETR--interpretation of
the test results]
Jap J Clin Med 31:1672-91, 1973 (92 ref.) (Jap)
BINDING, COMPETITIVE/ FEMALE/ HUMAN/
IODINE RADIOISOTOPES/ MALE/ METHODS/
*PROTEIN-BOUND IODINE TEST/
PROTEIN-BOUND IODINE TEST, standards/
RESINS/ REVIEW/ THYROID DISEASES,
diagnosis/ THYROID GLAND FUNCTION
TESTS/ THYROID HORMONES,
pharmacodynamics/ *THYROXINE, blood/
THYROXINE-BINDING PROTEIN/
TRIIODOTHYRONINE
1677. Illingworth DV, Challis JR: Concentrations of
oestrogens and progesterone in the plasma of
ovariectomized and ovariectomized
Norgestrel-treated pregnant guinea-pigs.
J Reprod Fertil 34:289-96, Aug 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CASTRATION/ *ESTROGENS, blood/
FEMALE/ GUINEA PIGS/ METABOLIC
CLEARANCE RATE/ *NORGESTREL,
pharmacodynamics/ *OVARY, physiology/
PREGNANCY/ *PREGNANCY, ANIMAL/
*PROGESTERONE, blood/
RADIOIMMUNOASSAY/ TIME FACTORS/
VIRILISM, chemically induced
1678. Illingworth DV, Perry JS, Ackland N, et al: The
maintenance of pregnancy, and parturition, in
guinea-pigs hypophysectomized within 4 days of
mating. *J Endocrinol* 59:163-9, Oct 73
ABORTION, etiology/ ADRENAL GLANDS,
anatomy & histology/ ANIMAL
EXPERIMENTS/ COITUS/ CORPUS LUTEUM,
anatomy & histology/ CORTISONE,
pharmacodynamics/ FEMALE/ FETUS/
GUINEA PIGS/ HYPOPHYSECTOMY/
LABOR/ ORGAN WEIGHT/ OVARY, anatomy
& histology/ OXYTOCIN, blood/ *PITUITARY
GLAND, physiology/ PREGNANCY/
*PREGNANCY, ANIMAL/ PROGESTERONE,
blood/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ REGENERATION/
TIME FACTORS
1679. Imura H, Matsukura S, Nakai Y:
[ACTH-interpretation of test results]
Jap J Clin Med 31:1584-90, 1973 (Jap)
*CORTICOTROPIN, blood/ HUMAN/
PITUITARY GLAND FUNCTION TESTS
1680. Inaba Y, Kurogi H, Takahashi E, et al: Isolation and
properties of bovine parvovirus type 1 from Japanese
calves. *Arch Gesamte Virusforsch* 42:54-66, 1973
ADENOVIRUS, isolation & purification/
ANIMAL EXPERIMENTS/ ANTIBODIES,
VIRAL, analysis/ CATTLE/ CATTLE
DISEASES, immunology/ *CATTLE DISEASES,
microbiology/ CYTOPATHOGENIC EFFECT,
VIRAL/ DISEASE OUTBREAKS, veterinary/
DRUG RESISTANCE, MICROBIAL/ FECES,
microbiology/ HEAT/ HEMAGGLUTINATION
TESTS/ IDOXURIDINE, pharmacodynamics/
JAPAN/ KIDNEY/ MALE/ NEUTRALIZATION
TESTS/ PARVOVIRUSES, drug effects/
PARVOVIRUSES, immunology/
*PARVOVIRUSES, isolation & purification/
TESTIS/ TISSUE CULTURE/ VIRUS
REPLICATION, drug effects
1681. Inada M: [Thyroxine binding protein, free thyroxine
and triiodothyronine-interpretation of the test
results] *Jap J Clin Med* 31:1692-9, 1973 (70 ref.) (Jap)
ADOLESCENCE/ ADULT/ AGED/
CARDIOVASCULAR DISEASES, blood/ CHILD/
DIABETES MELLITUS, blood/ FEMALE/
HUMAN/ INFECTION, blood/ LIVER
DISEASES, blood/ MALE/ METHODS/
MIDDLE AGE/ NEOPLASMS, blood/ REVIEW/
*THYROXINE, blood/ *THYROXINE-BINDING
PROTEIN, analysis/ *TRIIODOTHYRONINE,
blood
1682. Inoue S, Mekanik G, Mahallati M, et al: Dyskeratosis
congenita with pancytopenia. Another constitutional
anemia. *Am J Dis Child* 128:389-96, Sep 73
ADOLESCENCE/ *ANEMIA, APLASTIC,
complications/ ANEMIA, APLASTIC, drug
therapy/ BLOOD CELL COUNT/ BLOOD
TRANSFUSION/ BONE DISEASES, etiology/
BONE MARROW EXAMINATION/ CHILD/
CHROMOSOME ABNORMALITIES,
complications/ CHROMOSOMES, HUMAN,
16-18/ HEMOGLOBINOMETRY/ HEMOLYSIS/
HUMAN/ KARYOTYPING/ *KERATOSIS,
familial & genetic/ KERATOSIS, pathology/
*LEUKOPLAKIA, ORAL, familial & genetic/
LUNG DISEASES, etiology/ MALE/ MAST
CELLS/ *NAILS, MALFORMED, familial &
genetic/ NECROSIS, etiology/
*PIGMENTATION DISORDERS, familial &
genetic/ PLASMA CELLS/ PREDNISONE,
therapeutic use/ RETICULOCYTES/
SYNDROME
1683. Inzoli MR, Almici C: La terapia dell'artrite reumatoide
con agenti immunosoppressori.
Minerva Med 64:2987-91, 4 Aug 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ ANTI-INFLAMMATORY
AGENTS, therapeutic use/ *ARTHRITIS,
RHEUMATOID, drug therapy/ ARTHRITIS,
RHEUMATOID, immunology/ AZATHIOPRINE,
therapeutic use/ COMPARATIVE STUDY/
FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE
AGENTS, therapeutic use/ MALE/
MERCAPTOPYRINE, therapeutic use/ MIDDLE
AGE
1684. Ireland P, Fordtran JS: Effect of dietary calcium and
age on jejunal calcium absorption in humans studied
by intestinal perfusion.
J Clin Invest 52:2672-81, Nov 73
ADULT/ AGE FACTORS/ AGED/ ALKALINE
PHOSPHATASE, blood/ CALCIUM, blood/
CALCIUM, metabolism/ CALCIUM, urine/
CALCIUM, DIETARY,
administration & dosage/ *CALCIUM,

AUTHOR SECTION

- DIETARY, metabolism/ DIET/ FEMALE/
GLUCONATES, metabolism/ HUMAN/
HYDROGEN-ION CONCENTRATION/
*INTESTINAL ABSORPTION/ INTESTINAL
MUCOSA, physiology/ *JEJUNUM, metabolism/
JEJUNUM, physiology/ MALE/ MIDDLE AGE/
PERFUSION/ POTASSIUM, blood/ SEX
FACTORS/ SODIUM, blood/ WATER,
metabolism
885. Irey NS, Norris HJ: Intimal vascular lesions associated
with female reproductive steroids.
Arch Pathol 96:227-34, Oct 73
ADOLESCENCE/ ADULT/ *ARTERIES,
pathology/ ARTERIOSCLEROSIS, pathology/
CARDIOVASCULAR DISEASES, pathology/
CERVIX UTERI, blood supply/
*CONTRACEPTIVES, ORAL, adverse effects/
CORONARY VESSELS, pathology/ FEMALE/
HEPATIC VEINS, pathology/ HUMAN/
INGUINAL CANAL, blood supply/
LEIOMYOMA, pathology/ MESENTERIC
ARTERIES, pathology/ MESENTERIC VEINS,
pathology/ PREGNANCY/ PREGNANCY
COMPLICATIONS, CARDIOVASCULAR,
pathology/ *PROGESTATIONAL HORMONES/
PROGESTATIONAL HORMONES, adverse
effects/ PUERPERAL DISORDERS, pathology/
PUERPERIUM/ PULMONARY ARTERY,
pathology/ RENAL ARTERY, pathology/ TIME
FACTORS/ UTERINE NEOPLASMS, pathology/
VASCULAR DISEASES, chemically induced/
*VASCULAR DISEASES, etiology/ *VEINS,
pathology
886. Irtel von Brenndorff A, Hagge W: Die
Furosemidbehandlung des Diabetes insipidus renalis
bei eineligen Zwillingen.
Monatsschr Kinderheilkd 121:494-6, Jul 73 (Ger)
*DIABETES INSIPIDUS, drug therapy/
*DISEASES IN TWINS, drug therapy/
FUROSEMIDE, adverse effects/
FUROSEMIDE, therapeutic use/ HUMAN/
HYPERNATREMIA, drug therapy/ INFANT
887. Isaacs H, Barlow MB: Malignant hyperpyrexia
occurring in a second Johannesburg family.
Br J Anaesth 45:901-6, Aug 73
ACIDOSIS/ ADOLESCENCE/ BIOPSY/ BONE
AND BONES, abnormalities/ CREATINE
KINASE, blood/ ELECTROMYOGRAPHY/
HUMAN/ MALE/ *MALIGNANT
HYPERTHERMIA, familial & genetic/
MUSCLES, pathology/ PEDIGREE
888. Isaacs H, Frere G: Non-specific arthralgia and myalgia
with subclinical neuropathy. A histochemical and
histological study. S Afr Med J 47:1581-7, 8 Sep 73
ADENOSINE TRIPHOSPHATASE, analysis/
CYCLOPHOSPHAMIDE, therapeutic use/
FEMALE/ GLUCOSYLTRANSFERASES,
analysis/ HISTOCYTOCHEMISTRY/ HUMAN/
ISCHEMIA, complications/ LIPOAMIDE
DEHYDROGENASE, analysis/ MALE/ MIDDLE
AGE/ MITOCHONDRIA, MUSCLE, enzymology/
MUSCLES, blood supply/ MUSCLES,
enzymology/ *MUSCLES, pathology/
*NEUROMUSCULAR JUNCTION, pathology/
PERIPHERAL NERVE DISEASES,
complications/ POLYMYALGIA RHEUMATICA,
drug therapy/ POLYMYALGIA RHEUMATICA,
enzymology/ POLYMYALGIA RHEUMATICA,
etiology/ *POLYMYALGIA RHEUMATICA,
pathology/ PREDNISOLONE, therapeutic use
889. Isaković K, Janković BD: Neuro-endocrine correlates
of immune response. II. Changes in the lymphatic
organs of brain-lesioned rats.
Int Arch Allergy Appl Immunol 45:373-84, 1973
AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ *ANTIBODY FORMATION/
ANTIGENS/ ARTHUS PHENOMENON,
immunology/ BODY WEIGHT/ *BRAIN,
physiology/ CATTLE, immunology/ CAUDATE
NUCLEUS, physiology/ ELECTROLYSIS/
FEMALE/ HYPERSENSITIVITY, DELAYED,
immunology/ HYPOTHALAMUS, physiology/
LYMPH NODES, cytology/ *LYMPHATIC
SYSTEM, immunology/ LYMPHOCYTE
DEPLETION/ ORGAN WEIGHT/ PLASMA
- CELLS/ RATS/ RETICULAR FORMATION,
physiology/ SERUM ALBUMIN, BOVINE/
SPLEEN, cytology/ STAINS AND STAINING/
SUPERIOR COLLICULUS, physiology/
THALAMUS, physiology/ THYMUS GLAND,
cytology
1690. Isawa T, Okubo K, Konno K, et al: Cushing's syndrome
caused by recurrent malignant bronchial carc.nod.
Case report with 12 years' observation.
Am Rev Respir Dis 108:1200-4, Nov 73
*ADENOMA, complications/ ADENOMA,
pathology/ ADULT/ AUTOPSY/ BRONCHI,
pathology/ *BRONCHIAL NEOPLASMS,
complications/ BRONCHIAL NEOPLASMS,
pathology/ *CARCINOID TUMOR,
complications/ CARCINOID TUMOR, pathology/
CASE REPORT/ CORTICOTROPIN,
biosynthesis/ *CUSHING'S SYNDROME,
etiology/ FEMALE/ FOLLOW-UP STUDIES/
HUMAN/ NEOPLASM METASTASIS/
NEOPLASM RECURRENCE, LOCAL/
*NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ SEROTONIN, biosynthesis
1691. Ishchenko MM, Blinova NG: Glukikortikoidnala i
androgennaia funktsiia kory nadpochecbniko pri
polasnlcno-kresttsovom radikulite.
Zh Nevropatol Psikhiatr 73:324-7, 1973 (Rus)
*ADRENAL GLANDS, physiopathology/
ADULT/ ENGLISH ABSTRACT/ FEMALE/
GLUCOCORTICOIDS, therapeutic use/
*GLUCOCORTICOIDS, urine/ HUMAN/
*17-KETOSTEROIDS, urine/ LUMBOSACRAL
REGION/ MALE/ MIDDLE AGE/
*RADICULITIS/ RADICULITIS,
physiopathology/ RADICULITIS, urine
1692. Ishii Y: Measurement of myocardial blood flow by
means of external counting method using
86-rubidium. Jap Circ J 37:163-70, Feb 73
ADOLESCENCE/ ADULT/ CARDIAC OUTPUT/
*CORONARY CIRCULATION/ CORONARY
CIRCULATION, drug effects/ CORONARY
DISEASE, physiopathology/ FEMALE/
GLYCERYL TRINITRATE, pharmacodynamics/
HUMAN/ HYPERTHYROIDISM,
physiopathology/ MALE/ METHODS/ MIDDLE
AGE/ RADIOISOTOPES, diagnostic use/
RUBIDIUM, diagnostic use/ SCINTILLATION
COUNTERS
1693. Ishikawa H: Study on the existence of TRH in the
cerebrospinal fluid in humans.
Biochem Biophys Res Commun 54:1203-9, 1 Oct 73
ADULT/ FEMALE/ HUMAN/ IN VITRO/
IODINE RADIOISOTOPES/ MALE/
MOLECULAR WEIGHT/ PITUITARY GLAND,
drug effects/ RADIOIMMUNOASSAY/
*THYROTROPIN RELEASING HORMONE,
cerebrospinal fluid/ THYROTROPIN
RELEASING HORMONE, pharmacodynamics
1694. Isidori A, Dondero F: Aspetti della aggressione
immunitaria nel testicolo umano.
Minerva Med 64:2935-9, 28 Jul 73 (Ita)
AUTOANTIBODIES, analysis/ *AUTOIMMUNE
DISEASES/ BIOPSY/ FLUORESCENT
ANTIBODY TECHNIC/ HUMAN/
HYPOGONADISM, immunology/
HYPOGONADISM, pathology/ IMMUNE
SERUMS/ MALE/ ORCHITIS, immunology/
ORCHITIS, pathology/ STERILITY, MALE,
immunology/ STERILITY, MALE, pathology/
TESTIS, cytology/ *TESTIS, immunology
1695. Isler H: The fine structure of the ultimobranchial body
of the chick. Anat Rec 177:441-59, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
BASEMENT MEMBRANE, cytology/
CALCITONIN, analysis/ CELL MEMBRANE/
CELL NUCLEUS/ *CHICKENS, anatomy &
histology/ *CONNECTIVE TISSUE CELLS,
cytology/ CYTOPLASM/ EPITHELIAL CELLS,
analysis/ *EPITHELIAL CELLS, cytology/
FEMALE/ FLUORESCENT ANTIBODY
TECHNIC/ GOLGI APPARATUS/
HISTOCYTOCHEMISTRY/ MALE/
RIBOSOMES/ SCHWANN CELLS, cytology/
*ULTIMOBANCHIAL BODY, cytology

AUTHOR SECTION

1696. Ismail-Belgi F, Edelman IS: Effects of thyroid status on electrolyte distribution in rat tissues.
Am J Physiol 225:1172-7, Nov 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CHLORIDES, blood/ *CHLORIDES, metabolism/ DIAPHRAGM, metabolism/ *ERYTHROCYTES, metabolism/ MALE/ *MUSCLES, metabolism/ *MYOCARDIUM, metabolism/ POTASSIUM, blood/ *POTASSIUM, metabolism/ RATS/ SODIUM, blood/ *SODIUM, metabolism/ *THYROID GLAND, physiology/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics
1697. Ismail-Belgi F, Salibian A, Kirsten E, et al: Effects of thyroid hormone on adenine nucleotide content of rat liver. Proc Soc Exp Biol Med 144:471-4, Nov 73
*ADENINE NUCLEOTIDES, biosynthesis/ ADENOSINE DIPHOSPHATE, biosynthesis/ ADENOSINE MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ *LIVER, metabolism/ MALE/ RATS/ THYROIDECTOMY/ *TRIIODOTHYRONINE, pharmacodynamics
1698. Ismajovich B, Zemer D, Revach M, et al: The causes of sterility in females with familial Mediterranean fever. Fertil Steril 24:844-7, Nov 73
ADULT/ *ARTHRITIS, complications/ CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ INTESTINAL OBSTRUCTION, complications/ LAPAROSCOPY/ MENOTROPINS, therapeutic use/ OVARIAN DISEASES, complications/ OVULATION/ *PERIODIC DISEASE, complications/ *PERITONITIS, complications/ PHYSICAL EXAMINATION/ PREGNANCY/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, etiology/ TIME FACTORS/ UTERINE DISEASES, complications
1699. Israel HL, Goldstein RA: Hepatic granulomatosis and sarcoidosis. Ann Intern Med 79:669-78, Nov 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FEVER OF UNKNOWN ORIGIN, diagnosis/ *GRANULOMA, diagnosis/ GRANULOMA, drug therapy/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ LIVER, pathology/ *LIVER DISEASES, diagnosis/ LIVER DISEASES, drug therapy/ MALE/ MIDDLE AGE/ *SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy/ SPLEEN, pathology/ SPLENIC DISEASES, diagnosis
1700. Issroff SW, Cohen E: Systemic mastocytosis. S Afr Med J 47:1576-80, 8 Sep 73
BLOOD PLATELET DISORDERS, complications/ BONE MARROW, pathology/ BONE MARROW DISEASES, etiology/ DUODENAL ULCER, etiology/ DUODENAL ULCER, radiography/ FEMALE/ HEPATOMEGALY, etiology/ HUMAN/ LUNG DISEASES, etiology/ LUNG DISEASES, radiography/ MALE/ MAST CELLS/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ OSTEOSCLEROSIS, etiology/ OSTEOSCLEROSIS, radiography/ PLATELET ADHESIVENESS/ SKIN, pathology/ SPLENOMEGALY, etiology/ *URTICARIA PIGMENTOSA, complications/ URTICARIA PIGMENTOSA, pathology/ URTICARIA PIGMENTOSA, radiography
1701. Isurugi K, Wakabayashi K, Fukutani K, et al: Responses of serum luteinizing hormone and follicle-stimulating hormone levels to synthetic luteinizing hormone-releasing hormone (LH-RH) in various forms of testicular disorders. J Clin Endocrinol Metab 37:533-9, Oct 73
ADOLESCENCE/ ADULT/ AGED/ EUNUCHISM, blood/ *FSH, blood/ HUMAN/ IODINE RADIOISOTOPES/ KLINEFELTER'S SYNDROME, blood/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MIDDLE AGE/ PROSTATIC
- NEOPLASMS, blood/ RADIOIMMUNOASSAY/ SPERMATOZOA/ *TESTICULAR DISEASES, blood
1702. Ito S, Seo K: [Experimental studies on biosynthesis of thyroxine from diiodotyrosine] Folia Endocrinol Jap 49:1167-76, 20 Sep 73 (Jap)
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, PAPER/ *DIIODOTYROSINE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ IODINE RADIOISOTOPES/ IODOBENZENES, metabolism/ MANGANESE, metabolism/ MICROSOMES, metabolism/ PEROXIDASES, metabolism/ PYRIDOXAL, metabolism/ PYRIDOXINE DEFICIENCY, metabolism/ PYRUVATES, metabolism/ RATS/ THYROID GLAND, metabolism/ *THYROXINE, biosynthesis
1703. Iudaev NA, Krekhova MA, Chekhranova MK: O vliyanii AKTG na nekotorye storony obmena kholesterina i ego effrov v nadpochecnikakh kryz. Probl Endokrinol (Mosk) 19:67-72, Sep-Oct 73 (Rus)
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CHOLESTEROL, metabolism/ CORTICOTROPIN, antagonists & inhibitors/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTERS, metabolism/ HYDROLYSIS/ MALE/ RATS
1704. Ivanova MA: Rak sbchitovidnoi zbelezy. Kbirurglia (Mosk) 49:28-30, Mar 73 (Rus)
ADULT/ AGED/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, radiotherapy/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY
1705. Iversen LL: Catecholamine uptake processes. Br Med Bull 29:130-5, May 73 (65 ref.)
ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ DOPAMINE, metabolism/ MUSCLE, SMOOTH, metabolism/ MYOCARDIUM, metabolism/ NEURAL TRANSMISSION/ *NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ ORGANOIDS, metabolism/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ SYNAPTOSOMES, metabolism
1706. Ivey MC, Oebler DD, Claborn HV: Gas-liquid chromatographic determination of chlorfenvinphos in milk, eggs, and body tissues of cattle and chickens. J Agric Food Chem 21:822-4, Sep-Oct 73
ADIPOSE TISSUE, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHICKENS/ CHROMATOGRAPHY, GAS/ EGGS, analysis/ EVALUATION STUDIES/ FECES, analysis/ FEMALE/ *INSECTICIDES, ORGANOPHOSPHATE, analysis/ INSECTICIDES, ORGANOPHOSPHATE, metabolism/ KIDNEY, analysis/ LACTATION/ LIVER, analysis/ METHODS/ MILK, analysis/ MUSCLES, analysis/ MYOCARDIUM, analysis/ PESTICIDE RESIDUES, analysis/ PREGNANCY/ SKIN, analysis/ VINYL COMPOUNDS, analysis/ VINYL COMPOUNDS, metabolism
1707. Iwai K, Honda H: [Serum 17-OHCS, 17-KS (including urinary contents)-interpretation of the test results] Jap J Clin Med 31:1504-21, 1973 (Jap)
FEMALE/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ *17-KETOSTEROIDS, blood/ 17-KETOSTEROIDS, urine/ MALE
1708. Iwarsson K: Rapeseed meal as a protein supplement for dairy cows. I. The influence on certain blood and milk

AUTHOR SECTION

- parameters. *Acta Vet Scand* 14:570-94, 1973
 ANIMAL EXPERIMENTS/ *ANIMAL FEED/
 *BLOOD PROTEINS, metabolism/ *CATTLE/
 CHOLESTEROL, blood/ COMPARATIVE
 STUDY/ COTTONSEED/ ERYTHROCYTE
 COUNT/ FEMALE/ GRAIN/ HEMATOCRIT/
 HEMOGLOBIN, metabolism/ *HERBS/
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 *MILK, analysis/ PEANUTS/ PREGNANCY/
 PROTEIN-BOUND IODINE TEST/ PROTEINS/
 SOY BEANS/ THIOCYANATES, analysis
1709. Iwarsson K, Ekman L, Everitt BR, et al: The effect of feeding rapeseed meal on thyroid function and morphology in growing bulls.
Acta Vet Scand 14:610-29, 1973
 ADIPOSE TISSUE/ ANIMAL EXPERIMENTS/
 *ANIMAL FEED/ ANIMAL NUTRITION/
 BODY WEIGHT/ CATTLE/ CATTLE, growth
 & development/ *CATTLE DISEASES,
 etiology/ COMPARATIVE STUDY/
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 NUTRITIONAL REQUIREMENTS/ ORGAN
 WEIGHT/ PROTEIN-BOUND IODINE TEST/
 SOY BEANS/ THYROID GLAND, anatomy &
 histology/ *THYROID GLAND, metabolism/
 THYROID GLAND, pathology/
 TRIIODOTHYRONINE, metabolism
1710. Iwarsson K, Nilsson PO: Rapeseed meal as a protein supplement for dairy cows. II. Investigations in rats on the goitrogenic properties of milk from cows fed rapeseed meal. *Acta Vet Scand* 14:595-609, 1973
 *ANIMAL DISEASES, etiology/ ANIMAL
 EXPERIMENTS/ *ANIMAL FEED/ BODY
 WEIGHT/ CATTLE/ CELL DIVISION/
 CHOLESTEROL, blood/ COMPARATIVE
 STUDY/ ERYTHROCYTE COUNT/ FEMALE/
 *GOITER, etiology/ GOITER, pathology/
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 *HERBS/ *IODINE, metabolism/ IODINE
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 ORGAN WEIGHT/ PROTEIN-BOUND IODINE
 TEST/ RATS/ SOY BEANS/ THIOCYANATES,
 metabolism/ THYROID GLAND, anatomy &
 histology/ *THYROID GLAND, metabolism/
 THYROID GLAND, pathology
1711. Iwata H, Okamoto H: Effect of filthum on the blood and intestinal serotonin contents of rats.
Experientia 29:988-9, 15 Aug 73
 ANIMAL EXPERIMENTS/ DUODENUM,
 metabolism/ HYDROXYINDOLEACETIC ACID,
 blood/ INTESTINE, SMALL, drug effects/
 *INTESTINE, SMALL, metabolism/ JEJUNUM,
 metabolism/ *LITHIUM, pharmacodynamics/
 MALE/ RATS/ SEROTONIN, blood/
 *SEROTONIN, metabolism/ STOMACH, drug
 effects/ STOMACH, metabolism
1712. Iwatsuki S, Popovtzer MM, Corman JL, et al: Recovery from "hepatorenal syndrome" after orthotopic liver transplantation. *N Engl J Med* 289:1155-9, 29 Nov 73
 ADOLESCENCE/ ADULT/ BILIRUBIN, blood/
 BLOOD UREA NITROGEN/ CREATININE,
 blood/ HEPATITIS, INFECTION,
 complications/ HUMAN/ KIDNEY DISEASES,
 blood/ KIDNEY DISEASES, etiology/ KIDNEY
 DISEASES, urine/ *KIDNEY FAILURE,
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 TESTS/ *LIVER, transplantation/ LIVER
 CIRRHOSIS, complications/ LIVER DISEASES,
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 DISEASES, surgery/ LIVER FUNCTION
 TESTS/ MALE/ PROTHROMBIN TIME/
 RENIN, blood/ SODIUM, blood/ SODIUM,
 urine/ SYNDROME/ TIME FACTORS/
 TRANSPLANTATION, HOMOLOGOUS
1713. Izumi K, Donaldson J, Minnich J, et al: Ouabain-induced seizures in rats: modification by melatonin and melanocyte-stimulating hormone.
Can J Physiol Pharmacol 51:572-8, Aug 73
 ANIMAL EXPERIMENTS/ BRAIN, metabolism/
 CEREBRAL VENTRICLES/ *CONVULSIONS,
 chemically induced/ FEMALE/ HEART
 VENTRICLE/ INJECTIONS/ MELATONIN,
 administration & dosage/ *MELATONIN,
 pharmacodynamics/ *MSH, pharmacodynamics/
 *OUABAIN/ OUABAIN, antagonists &
 inhibitors/ RATS/ TIME FACTORS/ TRITIUM
- J
1714. Jackson BT, Rauschecker HF, Plasecki GJ: Quantitative relations of fetal and maternal pituitary-adrenal systems.
J Clin Invest 52:3154-60, Dec 73
 *ADRENAL CORTEX HORMONES, secretion/
 ANIMAL EXPERIMENTS/ BODY WEIGHT/
 CORTICOSTERONE, secretion/
 *CORTICOTROPIN, diagnostic use/ DOGS/
 FEMALE/ *FETUS, physiology/
 HYDROCORTISONE, secretion/
 HYPOPHYSECTOMY/ MATERNAL-FETAL
 EXCHANGE/ ORGAN WEIGHT/
 PITUITARY-ADRENAL FUNCTION TESTS/
 *PITUITARY-ADRENAL SYSTEM, growth &
 development/ *PITUITARY-ADRENAL
 SYSTEM, physiology/ PREGNANCY
1715. Jackson JP, Elson RA: Evaluation of the Walldius and other prostheses for knee arthroplasty.
Clin Orthop 94:104-14, Jul-Aug 73
 ARTHRITIS, RHEUMATOID, drug therapy/
 *ARTHRTIS, RHEUMATOID, surgery/
 *ARTHROPLASTY, standards/
 BIOMECHANICS/ BONE CEMENTS/
 ESCHERICHIA COLI, isolation & purification/
 EVALUATION STUDIES/ HUMAN/ *JOINT
 PROSTHESIS, standards/ KNEE, physiology/
 *KNEE, surgery/ METHODS/ NECROSIS/
 POSTOPERATIVE COMPLICATIONS/
 STEROIDS, adverse effects/ SURGICAL
 WOUND INFECTION
1716. Jacob D, Kaul DK: Oestrogenic and antifertility effects of chalcone derivatives.
Acta Endocrinol (Kbh) 74:371-8, Oct 73
 ANIMAL EXPERIMENTS/ BODY WEIGHT/
 CONTRACEPTIVES, POSTCOITAL,
 pharmacodynamics/ DEPRESSION, CHEMICAL/
 DOSE-RESPONSE RELATIONSHIP, DRUG/
 ESTRADIOL, pharmacodynamics/ FEMALE/
 *GENITALIA, FEMALE, drug effects/
 *GENITALIA, MALE, drug effects/ MALE/
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 *PROPIOPHENONES, pharmacodynamics/
 SEMINAL VESICLES, anatomy & histology/
 STIMULATION, CHEMICAL/ TESTIS, anatomy
 & histology/ UTERUS, anatomy & histology/
 UTERUS, drug effects/ UTERUS, pathology
1717. Jacobs AA, Selvardj RJ, Strauss RR, et al: The role of the phagocyte in host-parasite interactions. XXXIX. Stimulation of bactericidal activity of myeloperoxidase-containing leukocytic fractions by estrogens. *Am J Obstet Gynecol* 117:671-8, 1 Nov 73
 AMINO ACIDS, metabolism/ ASCITIC FLUID,
 cytology/ BLOOD BACTERICIDAL ACTIVITY/
 CARBON RADIOISOTOPES/
 DECARBOXYLATION/ DOSE-RESPONSE
 RELATIONSHIP, DRUG/ ESCHERICHIA COLI/
 ESTRADIOL, pharmacodynamics/ ESTRADIOL,
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 pharmacodynamics/ ESTRONE,
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 GUINEA PIGS/ HUMAN/ HYDROGEN-ION
 CONCENTRATION/ *LEUKOCYTES,
 enzymology/ OXIDATION-REDUCTION/
 *PEROXIDASES, metabolism/
 *PHAGOCYTOSIS, drug effects/ PREGNANCY/
 PROGESTERONE, pharmacodynamics/
 STIMULATION, CHEMICAL
1718. Jacobs RR, Wheeler EJ, Jelenko C 3d, et al: Fat embolism: a microscopic and ultrastructure evaluation of two animal models.
J Trauma 13:980-93, Nov 73
 ANIMAL EXPERIMENTS/ ANOXIA, pathology/
 BIOPSY/ BLOOD COAGULATION TESTS/
 BONE AND BONES, injuries/ COLLAGEN/
 COMPARATIVE STUDY/ *DISEASE MODELS,
 ANIMAL/ DISSEMINATED INTRAVASCULAR
 COAGULATION, pathology/ DOGS/
 *EMBOLISM, FAT, pathology/ EXUDATES
 AND TRANSUDATES/ FIBRIN/ FRACTURES,

AUTHOR SECTION

- complications/ HINDLIMB, injuries/
LEUKOCYTES/ LUNG, pathology/
MICROSCOPY/ MICROSCOPY, ELECTRON/
MUSCLES, injuries/ *MUSCULOSKELETAL
SYSTEM, injuries/ PULMONARY EDEMA,
pathology/ PULMONARY EMBOLISM,
pathology/ TRIOLEIN/ TRIOLEIN, toxicity
1719. Jacobsen P, Mikkelsen M, Rosleff F: A ring
chromosome, diagnosed by quinacrine fluorescence
as No. 9, in a mentally retarded girl.
Clin Genet. 4:434-41, 1973
ADULT/ AMINO ACIDS, urine/ BODY
HEIGHT/ CHROMOSOME ABERRATIONS/
*CHROMOSOME ABNORMALITIES/
*CHROMOSOMES, HUMAN, 6-12/
DERMATOGLYPHICS/ DIABETES MELLITUS,
complications/ FACE/ FEMALE/
FLUORESCENT DYES/ HUMAN/
KARYOTYPING/ MALE/ MENTAL
RETARDATION, complications/ *MENTAL
RETARDATION, familial & genetic/
MOSAICISM/ QUINACRINE, diagnostic use/
SEX CHROMATIN/ STAINS AND STAINING/
SYNDROME
1720. Jacobson GR, Schaffer MH, Stark GR, et al: Specific
chemical cleavage in high yield at the amino peptide
bonds of cysteine and cystine residues.
J Biol Chem 248:6583-91, 10 Oct 73
AMINO ACIDS, analysis/ ASPARTATE
CARBAMOYL- TRANSFERASE, analysis/
BENZOATES/ CARBON RADIOISOTOPES/
CARBOXYPEPTIDASES, analysis/
COLIPHAGES/ CYANIDES/ CYANOGEN
BROMIDE/ *CYSTEINE/ *CYSTINE/
DIALYSIS/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ ESCHERICHIA
COLI, enzymology/ EVALUATION STUDIES/
GEL FILTRATION/ INSULIN, analysis/
METHODS/ MOLECULAR WEIGHT/ NITRO
COMPOUNDS/ *PROTEINS, analysis/
THIOCYANATES/ TIME FACTORS/ VIRAL
PROTEINS, analysis
1721. Jacobs BL, Asher R, Dement WC: Electrophysiological
and behavioral effects of electrical stimulation of the
raphe nuclei in cats. Physiol Behav 11:489-95, Oct 73
ANIMAL EXPERIMENTS/ AROUSAL/
*BEHAVIOR, ANIMAL/ *BRAIN STEM,
physiology/ CATS/ ELECTRIC STIMULATION/
ELECTRODES, IMPLANTED/
*ELECTROENCEPHALOGRAPHY/
ELECTROMYOGRAPHY/
ELECTROOCULOGRAPHY/ FEEDING
BEHAVIOR/ FOOD DEPRIVATION/
GENICULATE BODIES, physiology/ NEURAL
INTERCONNECTIONS, physiology/ NEURONS,
physiology/ OCCIPITAL LOBE, physiology/
ORIENTATION/ PONS, physiology/
RETICULAR FORMATION, physiology/
SEROTONIN, physiology/ SLEEP, REM/
STEREOTAXIC TECHNIQUES
1722. Jaffe BM, Podos SM, Becker B: Indomethacin blocks
arachidonic acid-associated elevation of aqueous
humor prostaglandin E.
Invest Ophthalmol 12:621-2, Aug 73
ANIMAL EXPERIMENTS/ *AQUEOUS HUMOR,
analysis/ *ARACHIDONIC ACID,
pharmacodynamics/ *INDOMETHACIN,
pharmacodynamics/ INJECTIONS,
INTRAPERITONEAL/ INTRAOCULAR
PRESSURE, drug effects/ OPHTHALMIC
SOLUTIONS/ PROSTAGLANDINS, analysis/
*PROSTAGLANDINS, metabolism/ RABBITS/
RADIOIMMUNOASSAY
1723. Jaffe N: Pediatric oncology.
Am J Med Technol 39:345-53, Sep 73
ALKYLATING AGENTS, therapeutic use/
ANTIBIOTICS, ANTINEOPLASTIC, therapeutic
use/ ANTIMETABOLITES, therapeutic use/
ASPARAGINASE, therapeutic use/ CHILD/
CHILD, PRESCHOOL/ HUMAN/ INFANT/
*LEUKEMIA, drug therapy/ *NEOPLASMS,
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therapy/ NEPHROBLASTOMA, radiotherapy/
NEUROBLASTOMA, drug therapy/
PREDNISONE, therapeutic use/
- VINBLASTINE, therapeutic use/
VINCISTINE, therapeutic use
1724. Jaffe P, König P, Ijaluola O, et al: Relationship
between plasma cortisol and peak expiratory flow rate
in exercise-induced asthma and the effect of sodium
cromoglycate. Clin Sci Mol Med 45:533-41, Oct 73
ADOLESCENCE/ ADULT/ ASTHMA, drug
therapy/ *ASTHMA, pathophysiology/
BRONCHODILATOR AGENTS,
pharmacodynamics/ *DISODIUM
CROMOGLYCATATE, therapeutic use/
ELECTROCARDIOGRAPHY/ EXERCISE TEST/
FEMALE/ HUMAN/ *HYDROCORTISONE,
blood/ MALE/ MIDDLE AGE/ PREDNISONE,
therapeutic use/ *RESPIRATORY AIRFLOW/
SPIROMETRY
1725. Jaffe RB, Yuen BH, Keye WR Jr, et al: Physiologic and
pathologic profiles of circulating human prolactin.
Am J Obstet Gynecol 117:757-73, 15 Nov 73
ADENOMA, CHROMOPHOBE, metabolism/
ADULT/ AMENORRHEA, metabolism/ DOPA,
pharmacodynamics/ ETHINYL ESTRADIOL,
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secretion/ PUERPERIUM/
RADIOIMMUNOASSAY/ SYNDROME/
THYROTROPIN, blood/ THYROTROPIN
RELEASING HORMONE, pharmacodynamics
1726. Jagoe WS, Gallagher NG, Gearty GF, et al: Primary
argentaffinoma of the ovary.
Br J Surg 60:749-50, Sep 73
ADULT/ AMENORRHEA, etiology/
*CARCINOID TUMOR, complications/
CARCINOID TUMOR, surgery/ DIARRHEA,
etiology/ DYSPNEA, etiology/ FEMALE/
HUMAN/ *OVARIAN NEOPLASMS,
complications/ OVARIAN NEOPLASMS,
surgery
1727. Jahnecke J: Diabetogene Nebenwirkungen der
Pharmakotherapie.
Med Klin 68:1046-52, 10 Aug 73 (Ger)
ALLOXAN DIABETES/ CONTRACEPTIVES,
ORAL, adverse effects/ CONTRACEPTIVES,
ORAL, therapeutic use/ *DIABETES
MELLITUS, chemically induced/ DIURETICS,
adverse effects/ DIURETICS, therapeutic use/
*DRUG THERAPY, adverse effects/ FEMALE/
GLUCOCORTICOIDS, adverse effects/
GLUCOCORTICOIDS, therapeutic use/
HUMAN/ INDICATORS AND REAGENTS,
adverse effects/ INDICATORS AND
REAGENTS, diagnostic use/ QUINOLINES,
adverse effects/ QUINOLINES,
therapeutic use/ STREPTOZOTOCIN, adverse
effects/ STREPTOZOTOCIN, therapeutic use
1728. Jahoda E, Bartels PH, Bibbo M, et al: Computer
discrimination of cells in serous effusions. II.
Peritoneal fluid.
Acta Cytol (Baltimore) 17:533-7, Nov-Dec 73
AGED/ *ASCITIC FLUID, cytology/
*COMPUTERS, DIGITAL/ DIAGNOSIS,
COMPUTER ASSISTED/ *ESOPHAGEAL
NEOPLASMS, pathology/ EVALUATION
STUDIES/ FEMALE/ HUMAN/ *LIVER
CIRRHOSIS, pathology/ MALE/ MIDDLE AGE/
*OVARIAN NEOPLASMS, pathology
1729. Jain M, Gupta SN, Gupta ML: Liver function during
short-term administration of oral contraceptives in
premenopausal women.
Indian J Med Res 61:570-1, Apr 73
ADULT/ *CONTRACEPTIVES, ORAL,
pharmacodynamics/ DRUG COMBINATIONS/
ETHINODIOL DIACETATE,
pharmacodynamics/ FEMALE/ HUMAN/
*LIVER, drug effects/ LIVER FUNCTION
TESTS/ LYNESTRENOL, pharmacodynamics/
MESTRANOL, pharmacodynamics

AUTHOR SECTION

1730. Jaiswal DK, Chander J, Malik A, et al: Paper chromatography of 113m In-labelled radiopharmaceuticals: (113m In) DTPA. J Chromatogr 84:417-8, 26 Sep 73
BRAIN DISEASES, diagnosis/
CHROMATOGRAPHY, PAPER/ *DTPA, analysis/
*INDIUM, analysis/
ISOTOPE LABELING/
LIVER DISEASES, diagnosis/
METHODS/
PLACENTA DISORDERS, diagnosis/
RADIOISOTOPE SCANNING/
*RADIOISOTOPES, analysis/
SPLENIC DISEASES, diagnosis
1731. Jande SS, Bélanger LF: The life cycle of the osteocyte. Clin Orthop 94:281-305, Jul-Aug 73
ANIMAL EXPERIMENTS/
*BONE DEVELOPMENT/
BONE MATRIX, anatomy & histology/
*BONE RESORPTION/
CALCIUM METABOLISM DISORDERS, etiology/
CELL DIFFERENTIATION/
CHICKENS/ ENDOPLASMIC RETICULUM/
HYPERPARATHYROIDISM, etiology/
MUCOPOLYSACCHARIDES/
OSTEOBLASTS, growth & development/
OSTEOCLASTS/
*OSTEOCYTES, growth & development/
OSTEOCYTES, metabolism/
PARATHYROID HORMONE
1732. Janković BD, Isaković K: Neuro-endocrine correlates of immune response. I. Effects of brain lesions on antibody production, Arthus reactivity and delayed hypersensitivity in the rat. Int Arch Allergy Appl Immunol 45:360-72, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/
AMYGDALOID BODY, physiology/
ANIMAL EXPERIMENTS/
ANTIBODIES, analysis/
*ANTIBODY FORMATION/
ANTIGENS/
*ARTHUS PHENOMENON/
*BRAIN, physiology/
CATTLE, immunology/
CAUDATE NUCLEUS, physiology/
ELECTROLYSIS/
FEMALE/
FREUND'S ADJUVANT/
HEMAGGLUTINATION TESTS/
*HYPERSENSITIVITY, DELAYED, immunology/
HYPOTHALAMUS, physiology/
LYMPHOCYTES, immunology/
NOREPINEPHRINE, pharmacodynamics/
RATS/
RETICULAR FORMATION, physiology/
SERUM ALBUMIN, BOVINE/
SKIN TESTS/
SOMATOTROPIN, pharmacodynamics/
SUPERIOR COLLICULUS, physiology/
THALAMUS, physiology/
THYROID HORMONES, pharmacodynamics
1733. Janossy G, Greaves MF, Doenhoff MJ, et al: Lymphocyte activation. V. Quantitation of the proliferative responses to mitogens using defined T and B cell populations. Clin Exp Immunol 14:581-96, Aug 73
ANIMAL EXPERIMENTS/
CELL MEMBRANE, immunology/
CELL SURVIVAL/
CELLS, CULTURED/
CHROMOSOMES/
CONCANAVALLIN A, pharmacodynamics/
ESCHERICHIA COLI/
HYDROCORTISONE, pharmacodynamics/
IMMUNOGLOBULINS/
LIPOPOLYSACCHARIDES, pharmacodynamics/
*LYMPHOCYTE TRANSFORMATION/
MICE/
MICE, INBRED CBA/
*MITOGENS, pharmacodynamics/
PHYTOMITOGENS, pharmacodynamics/
SPLEEN, cytology/
STIMULATION, CHEMICAL/
THYMIDINE, metabolism/
THYMUS GLAND, cytology/
TRITIUM
1734. Janzik HH: Benigne intrakranielle Hypertension während oraler Kontrazeption. Dtsch Med Wochenschr 98:2028-9, Oct 73 (Ger)
ADULT/
*CONTRACEPTIVES, ORAL, adverse effects/
ENGLISH ABSTRACT/
FEMALE/
FOLLOW-UP STUDIES/
HUMAN/
*INTRACRANIAL PRESSURE, drug effects/
PAPILLEDEMA, chemically induced/
*PSEUDOTUMOR CEREBRI, chemically induced/
VISION DISORDERS, chemically induced/
VISUAL FIELDS
1735. Jaquet P, Kolaszynski Y, Oliver C, et al: Dosage radio-immunologique de TSH, STH, ACTH, LH en pathologie hypophysaire. Ann Endocrinol (Paris) 34:283-5, May-Jun 73 (Fre)
ADENOMA, CHROMOPHOBE, blood/
ADENOMA, EOSINOPHILIC, blood/
*CORTICOTROPIN, blood/
ENGLISH ABSTRACT/
HUMAN/
HYPOPHYSECTOMY, blood/
*LH, blood/
*PITUITARY DISEASES, blood/
PITUITARY NEOPLASMS, blood/
*SOMATOTROPIN, blood/
*THYROTROPIN, blood
1736. Jara-Almonie M, White JM: Genetic relationships among milk yield, growth, feed intake and efficiency in laboratory mice. J Anim Sci 37:410-6, Aug 73
ANIMAL EXPERIMENTS/
ANIMAL FEED/
ANIMALS, LABORATORY/
BODY WEIGHT/
CROSSES, GENETIC/
FEMALE/
*GENETICS, POPULATION/
GENOTYPE/
LACTATION/
MICE, growth & development/
MICE, metabolism/
*MICE, physiology/
PHENOTYPE/
PREGNANCY/
STATISTICS
1737. Jash DK: Oat cell carcinoma of the trachea. J Laryngol Otol 87:681-4, Jul 73
*CARCINOMA, BRONCHOGENIC, radiotherapy/
CARCINOMA, OAT CELL, diagnosis/
CARCINOMA, OAT CELL, radiotherapy/
FEMALE/
HUMAN/
MIDDLE AGE/
PROGNOSIS/
TRACHEAL NEOPLASMS, diagnosis/
*TRACHEAL NEOPLASMS, radiotherapy
1738. Jaskunas SR, Stork EJ, Richardson B: Effects of a hyperoxic environment on erythropoietin production. Aerosp Med 44:1112-6, Oct 73
ANEMIA, blood/
ATMOSPHERIC PRESSURE/
BLOODLETTERING/
DEPRESSION, CHEMICAL/
ERYTHROPOIESIS, drug effects/
*ERYTHROPOIETIN, biosynthesis/
FEMALE/
HEMATOCRIT/
HEMOGLOBINOMETRY/
IRON RADIOISOTOPES/
MALE/
MICE/
*OXYGEN, pharmacodynamics/
PHENYLHYDRAZINE, pharmacodynamics/
RABBITS/
RATS/
TESTOSTERONE, pharmacodynamics
1739. Javitt NB: Editorial: Chronic active hepatitis. Am J Med 55:733-5, Dec 73
ADOLESCENCE/
ADULT/
AGE FACTORS/
AZATHIOPRINE, metabolism/
AZATHIOPRINE, therapeutic use/
*CHRONIC DISEASE/
DRUG THERAPY, COMBINATION/
FEMALE/
HEPATITIS, drug therapy/
*HEPATITIS, etiology/
HEPATITIS, immunology/
HUMAN/
LIVER CIRRHOSIS, drug therapy/
*LIVER CIRRHOSIS, etiology/
MALE/
MIDDLE AGE/
PREDNISONE, therapeutic use/
PROGNOSIS/
SEX FACTORS/
TIME FACTORS
1740. Javitt NB, Rifkind A, Kappan A: Porphyrin-heme pathway: regulation by intermediates in bile acid synthesis. Science 182:841-2, 23 Nov 73
*AMINOLEVULINIC ACID SYNTHETASE, metabolism/
BILE ACIDS AND SALTS, biosynthesis/
BILE ACIDS AND SALTS, pharmacodynamics/
CELLS, CULTURED/
CHICK EMBRYO/
CHOLESTANES, antagonists & inhibitors/
*CHOLESTANES, pharmacodynamics/
CHOLESTEROL, metabolism/
ENZYME INDUCTION, drug effects/
HEME, pharmacodynamics/
HYDROXYSTERIODS, antagonists & inhibitors/
HYDROXYSTERIODS, pharmacodynamics/
*LIVER, enzymology/
*PORPHYRINS, biosynthesis
1741. Jaworska H, Avanzi S, Lima-de-Faria A: Amplification of ribosomal DNA in Acheta. 8. Binding of H3-actinomycin to DNA in the nucleus and cytoplasm. Hereditas 74:205-10, 1973
ANIMAL EXPERIMENTS/
BINDING SITES/
CELL NUCLEUS, metabolism/
COMPARATIVE STUDY/
CYTOSOL, metabolism/
*DACTINOMYCIN, metabolism/
*DNA, metabolism/
*INSECTS, metabolism/
OVARY, cytology/
*OVARY, metabolism/
*RIBOSOMES, metabolism/
TRITIUM
1742. Jaworska H, Lima-de-Faria A: Amplification of ribosomal DNA in Acheta. VII. Transfer of DNA-RNA assemblies from the nucleus to the cytoplasm. Hereditas 74:187-203, 1973
ANIMAL EXPERIMENTS/
CELL DIVISION/
CELL NUCLEUS, metabolism/
CYTOSOL,

AUTHOR SECTION

- metabolism/ *DNA, metabolism/ FEMALE/
*INSECTS, metabolism/ OVARY, cytology/
*OVARY, metabolism/ *RIBOSOMES,
metabolism/ *RNA, metabolism/
TRANSCRIPTION, GENETIC
1743. Jaworski S: Uber den Einfluß des Oestradiol auf die mechanische Reißfestigkeit experimenteller Wunden and der Harnblase. Zentralbl Gynaekol 95:1192-8, 24 Aug 73 (Ger)
ANIMAL EXPERIMENTS/ BIOMETRY/
BLADDER, drug effects/ *BLADDER, injuries/
CASTRATION/ CONNECTIVE TISSUE, drug effects/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ INJECTIONS, INTRAMUSCULAR/ TIME FACTORS/ *WOUND HEALING, drug effects
1744. Jaworwka H, Lima-de-Faria A: Amplification of ribosomal DNA in Acheta. VI. Ultrastructure of two types of nucleolar components associated with ribosomal DNA. Hereditas 74:169-86, 1973
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS, analysis/ CHROMOSOMES, analysis/ *DNA, analysis/ FEMALE/ *INSECTS, analysis/ MICROSCOPY, ELECTRON/ *OVARY, analysis/ OVARY, cytology/ *RIBOSOMES, analysis
1745. Jeffcoate SL, Fraser HM, Gunn A, et al: Radioimmunoassay of thyrotrophin releasing hormone. J Endocrinol 59:191-2, Oct 73
ANIMAL EXPERIMENTS/ HYPOTHALAMUS, analysis/ IODINE RADIOISOTOPES/ METHODS/ PROTEIN BINDING/ RABBITS/ RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ *THYROTROPIN RELEASING HORMONE, analysis
1746. Jeffcoate SL, Holland DT, Fraser HM, et al: Identification by radioimmunoassay of the luteinizing hormone-releasing hormone in human urine. Nature 244:161-2, 20 Jul 73
AMENORRHEA, urine/ CHROMATOGRAPHY, THIN LAYER/ CLOMIPHENE, pharmacodynamics/ FEMALE/ GEL FILTRATION/ HUMAN/ *LH-FSH RELEASING HORMONE, urine/ MALE/ METHODS/ *RADIOIMMUNOASSAY
1747. Jekeli W, Szava I, Tuka P, et al: Discutii pe marginea unui caz de neoplasm suprarenal hormonal activ. Pediatria (Bucur) 22:55-62, Jan-Feb 73 (Rum)
*ADRENAL GLAND NEOPLASMS/
*ANDROGENS, secretion/ CARCINOMA/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, secretion/ HUMAN/ *MINERALOCORTICOIDS, secretion
1748. Jellinger K: Primary intracranial germ cell tumours. Acta Neuropathol (Berl) 25:291-306, 1973
ADOLESCENCE/ ADULT/ *BRAIN NEOPLASMS, pathology/ CHILD/ CHILD, PRESCHOOL/ DISGERMINOMA, pathology/ DISGERMINOMA, radiotherapy/ FEMALE/ HUMAN/ HYPOTHALAMUS/ MALE/ *NEOPLASMS, EMBRYONAL AND MIXED, pathology/ PINEAL BODY/ TERATOID TUMOR, pathology
1749. Jenkins MG: Letter: Binding of vitamin D. Lancet 2:1336, 8 Dec 73
BINDING SITES/
DIHYDROXYCHOLECALCIFEROLS, metabolism/ HUMAN/ *VITAMIN D, metabolism
1750. Jennings GH: Letter: Amyloidosis in rheumatoid disease. Br Med J 4:173, 20 Oct 73
ADRENAL CORTEX HORMONES, therapeutic use/ *AMYLOIDOSIS, complications/ *ARTHRITIS, RHEUMATOID, complications/ HUMAN/ VASCULAR DISEASES, complications/ VASCULAR DISEASES, drug therapy
1751. Jennings GH, Levi AJ, Reeve J: A case of chronic granulocytopenia associated with vasculitis and amyloidosis. J Clin Pathol 26:592-5, Aug 73
ADOLESCENCE/ ADULT/
*AGRANULOCYTOSIS, complications/
*AMYLOIDOSIS, complications/ FEMALE/
GANGRENE, complications/ HUMAN/
LEUKOCYTE COUNT/ *NEUTROPHILS/
PULMONARY EMBOLISM, complications/
SPLENECTOMY/ STEROIDS, therapeutic use/
STRESS, PSYCHOLOGICAL/ *VASCULAR DISEASES, complications
1752. Jensen AD, Naidoff MA: Bilateral meningococcal endophthalmitis. Arch Ophthalmol 90:396-8, Nov 73
ATROPINE, therapeutic use/ BORATES, therapeutic use/ CHILD/
CHLORAMPHENICOL, therapeutic use/
CONJUNCTIVA, pathology/ CORNEA, pathology/ EXUDATES AND TRANSUDATES/ FEMALE/ GLAUCOMA, drug therapy/ GLAUCOMA, etiology/ *GLAUCOMA, microbiology/ HEMORRHAGE, etiology/ HUMAN/ *MENINGOCOCCAL INFECTIONS/ MENINGOCOCCAL INFECTIONS, complications/ MENINGOCOCCAL INFECTIONS, diagnosis/ MENINGOCOCCAL INFECTIONS, drug therapy/ *NEISSERIA MENINGITIDIS/ OPHTHALMIA, diagnosis/ OPHTHALMIA, drug therapy/ *OPHTHALMIA, microbiology/ OPHTHALMOSCOPY/ PENICILLIN G, therapeutic use/ PREDNISONE, therapeutic use/ SEPTICEMIA, drug therapy
1753. Jensen G, Sigurd B: Systemic lupus erythematosus and acute myocardial infarction. Chest 64:853-4, Nov 73
ACUTE DISEASE/ ADULT/ FEMALE/
HUMAN/ HYDROCORTISONE, therapeutic use/
*LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MIDDLE AGE/ *MYOCARDIAL INFARCT, complications/ MYOCARDIAL INFARCT, drug therapy/ MYOCARDIAL INFARCT, pathology/ PRACTOLOL, therapeutic use/ PREDNISONE, therapeutic use
1754. Jesipowicz M, Karski J, Hendzel T: Wszczepienie świńskich gruczołów przytarczycznych w ciężkiej postaci tężyczki po operacji wola. Wlad Lek 26:1543-5, 15 Aug 73 ~ (Pol)
ADOLESCENCE/ ANIMAL EXPERIMENTS/
FEMALE/ GOITER, EXOPHTHALMIC, surgery/ HUMAN/ *PARATHYROID GLANDS, transplantation/ *POSTOPERATIVE COMPLICATIONS/ SWINE/ TETANY, etiology/ *TETANY, therapy/ *TRANSPLANTATION, HETEROLOGOUS
1755. Jewett DA, Dukelow WR: Follicular observation and laparoscopic aspiration techniques in Macaca fascicularis. J Med Primatol 2:108-13, 1973
ANIMAL EXPERIMENTS/ FEMALE/
*GRAAFIAN FOLLICLE, physiology/
GRAAFIAN FOLLICLE, secretion/
LAPAROSCOPY, instrumentation/
*LAPAROSCOPY, veterinary/ *MACACA, physiology/ METHODS/ MONKEYS/ OVUM/ PUNCTURES
1756. Jobe PC, Picchioni AL, Chin L: Role of brain 5-hydroxytryptamine in audiogenic seizure in the rat. Life Sci 13:1-13, 1 Jul 73
ACOUSTIC STIMULATION/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/
*BRAIN, metabolism/ COLD/ COMPARATIVE STUDY/ CONVULSIONS, etiology/
*CONVULSIONS, metabolism/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/
HYDROXYTRYPTOPHAN, pharmacodynamics/
IPRONIAZID, pharmacodynamics/
METHYLTYROSINES, pharmacodynamics/
NOREPINEPHRINE, metabolism/
QUINOLIZINES, pharmacodynamics/ RATS/
*SEROTONIN, metabolism/ SPECTROMETRY, FLUORESCENCE/ STRESS, metabolism/ TIME FACTORS
1757. Joffe J, Joffe M: Seasonal changes in the testicular blood flow of seasonally breeding mammals: dromouse, Glis glis, ferret, Mustella furo, and fox,

AUTHOR SECTION

- Vulpes vulpes. J Reprod Fertill 34:227-33, Aug 73
ANIMAL EXPERIMENTS/ BLOOD FLOW
VELOCITY/ BREEDING/ CAPILLARIES/
*CARNIVORA, physiology/ *FOXES,
physiology/ MALE/ RADIOISOTOPES/
*RODENTS, physiology/ *SEASONS/ TESTIS,
anatomy & histology/ *TESTIS, blood supply/
XENON
1758. Jofre de Breyer IJ: Influence of ethanol on the effects
of D,L-p-chlorphenylalanine in vitro.
Arzneim Forsch 23:954-6, Jul 73
*ALCOHOL, ETHYL, pharmacodynamics/
ALCOHOLISM, metabolism/ ANIMAL
EXPERIMENTS/ BINDING, COMPETITIVE/
BINDING SITES/ HYDROXYTRYPTOPHAN,
metabolism/ LIVER, enzymology/ LIVER,
metabolism/ MALE/ RATS/ RECEPTORS,
DRUG/ SEROTONIN, metabolism/
TRYPTOPHAN HYDROXYLASE, metabolism
1759. Joh TH, Geghman C, Reis D: Immunochemical
demonstration of increased accumulation of tyrosine
hydroxylase protein in sympathetic ganglia and
adrenal medulla elicited by reserpine.
Proc Natl Acad Sci USA 70:2767-71, Oct 73
*ADRENAL MEDULLA, enzymology/ ANIMAL
EXPERIMENTS/ ANTIBODY SPECIFICITY/
ANTIGEN-ANTIBODY REACTIONS/ CATTLE/
DENERVATION/ ENZYME ACTIVATION, drug
effects/ *GANGLIA, AUTONOMIC,
enzymology/ *IMMUNOASSAY/
IMMUNOELECTROPHORESIS/ RABBITS,
immunology/ RATS/ *RESERPINE,
pharmacodynamics/ *TYROSINE
HYDROXYLASE, analysis/ VAGOTOMY
1760. Johansen AG: A case of Letterer-Siwe's disease.
Successful result with long-term steroid treatment.
Dermatologica 146:297-302, 1973
DIAGNOSIS, DIFFERENTIAL/
ERYTHROMYCIN, therapeutic use/
HAND-SCHUELLER-CHRISTIAN SYNDROME,
diagnosis/ HUMAN/ INFANT/
LETTERER-SIWE DISEASE, diagnosis/
*LETTERER-SIWE DISEASE, drug therapy/
MALE/ PREDNISOLONE, administration &
dosage/ *PREDNISOLONE, therapeutic use/
SEBORRHEA, diagnosis
1761. John TM, George JC: Effect of prolonged exercise on
levels of plasma glucose, free fatty acids and
corticosterone and muscle free fatty acids in the
pigeon. Arch Int Physiol Biochim 81:421-5, Sep 73
ANIMAL EXPERIMENTS/ AUTOANALYSIS/
*BLOOD SUGAR, metabolism/
*CORTICOSTERONE, blood/
CORTICOSTERONE, metabolism/ DOGS/
*EXERTION/ FATTY ACIDS,
NONESTERIFIED, blood/ *FATTY ACIDS,
NONESTERIFIED, metabolism/ *MUSCLES,
metabolism/ PIGEONS/ PROTEIN BINDING/
TIME FACTORS/ TRANCORTIN/ TRITIUM
1762. Johns EJ, Singer B: Effect of propranolol and
theophylline on renin release caused by furosemide in
the cat. Eur J Pharmacol 23:67-73, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ANIMAL EXPERIMENTS/ BLOOD
PRESSURE, drug effects/ CARBON
ISOTOPES/ CATS/ *FUROSEMIDE,
pharmacodynamics/ HEART RATE, drug
effects/ KIDNEY, enzymology/ MALE/
PHOSPHODIESTERASES, metabolism/
POTASSIUM, urine/ *PROPRANOLOL,
pharmacodynamics/ RENIN, blood/ *RENIN,
metabolism/ SODIUM, urine/
*THEOPHYLLINE, pharmacodynamics/ TIME
FACTORS
1763. Johnson BL, Horowitz IR, Charles CR, et al:
Dermatomyositis and lichen myxedematosus. A
clinical, histopathological and electron microscopic
study. Dermatologica 147:109-22, Aug 73
ADULT/ BIOPSY/ *DERMATOMYOSITIS,
complications/ DERMATOMYOSITIS, diagnosis/
DERMATOMYOSITIS, pathology/ DIAGNOSIS,
DIFFERENTIAL/ FIBROBLASTS/
HISTOCYTOCHEMISTRY/ HUMAN/ LICHEN
PLANUS, diagnosis/ MALE/ MICROSCOPY,
ELECTRON/ MUCIN, analysis/ MUSCLES,
pathology/ *MYXEDEMA, complications/
MYXEDEMA, pathology/ *SKIN DISEASES,
complications/ SKIN DISEASES, pathology
1764. Johnson DE, Fuerst DE, Gallager HS: Mesothelioma of
the tunica vaginalis. South Med J 66:1295-7, Nov 73
ADULT/ HUMAN/ MALE/ *MESOTHELIOMA,
pathology/ MESOTHELIOMA, surgery/
NEOPLASM METASTASIS/ NEOPLASM
RECURRENCE, LOCAL/ *TESTICULAR
NEOPLASMS, pathology/ TESTICULAR
NEOPLASMS, surgery
1765. Johnson J, Casper AG, Carpenter CC: Effect of
desoxycorticosterone on potassium concentration in
enterotoxin-stimulated small intestinal secretions.
Johns Hopkins Med J 133:201-6, Oct 73
ANIMAL EXPERIMENTS/ CARBON DIOXIDE,
analysis/ CHLORIDES, analysis/
DESOXYCORTICOSTERONE, administration &
dosage/ *DESOXYCORTICOSTERONE,
pharmacodynamics/ DOGS/ DUODENUM, drug
effects/ *ENTEROTOXINS, pharmacodynamics/
ILEUM, drug effects/ INJECTIONS,
INTRAMUSCULAR/ INTESTINAL
SECRETIONS, analysis/ *INTESTINAL
SECRETIONS, drug effects/ POTASSIUM,
analysis/ SODIUM, analysis/ VIBRIO,
metabolism
1766. Johnston GA, Balcar VJ: High affinity uptake of cyclic
AMP in rat brain slices. Brain Res 59:451-53, 14 Sep 73
ADENINE, pharmacodynamics/ ADENOSINE,
pharmacodynamics/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BRAIN, drug effects/ *BRAIN, metabolism/
CEREBELLUM, metabolism/ CEREBRAL
CORTEX, metabolism/ CORPUS STRIATUM,
metabolism/ DEOXYADENOSINE,
pharmacodynamics/ HYPOTHALAMUS,
metabolism/ IN VITRO/ MEDULLA
OBLONGATA, metabolism/ MESENCEPHALON,
metabolism/ RATS
1767. Jones AW: Altered ion transport in vascular smooth
muscle from spontaneously hypertensive rats.
Influences of aldosterone, norepinephrine, and
angiotensin. Circ Res 33:563-72, Nov 73
ADRENALECTOMY/ ALDOSTERONE,
administration & dosage/ *ALDOSTERONE,
pharmacodynamics/ *ANGIOTENSIN,
pharmacodynamics/ ANIMAL EXPERIMENTS/
AORTA, analysis/ *AORTA, THORACIC, drug
effects/ AORTA, THORACIC, metabolism/
BLOOD PRESSURE/ CHLORIDES, metabolism/
CHLORINE/ COBALT RADIOISOTOPES/
CORTICOSTERONE, administration & dosage/
*ELECTROLYTES, metabolism/
*HYPERTENSION, metabolism/ IN VITRO/
MALE/ MUSCLE, SMOOTH, drug effects/
MUSCLE, SMOOTH, metabolism/
*NOREPINEPHRINE, pharmacodynamics/
POTASSIUM, metabolism/ POTASSIUM
ISOTOPES/ RADIOISOTOPES/ RATS/
SODIUM, metabolism
1768. Jones B, Thompson H: Tripbalangeal thumbs associated
with hypoplastic anemia. Pediatrics 52:609-12, Oct 73
ADULT/ *ANEMIA, APLASTIC, complications/
ANEMIA, APLASTIC, drug therapy/ HUMAN/
MALE/ PREDNISONE, therapeutic use/
SYNDROME/ *THUMB, abnormalities/ THUMB,
radiography
1769. Jones GB: Total knee replacement-the Walldius hinge.
Clin Orthop 94:50-7, Jul-Aug 73
AGE FACTORS/ ARTHRITIS, RHEUMATOID,
surgery/ *ARTHROPLASTY/ BIOMECHANICS/
CHROMIUM-COBALT ALLOYS/ FOREIGN
BODY REACTION/ HUMAN/ *JOINT
PROSTHESIS/ KNEE, physiology/ *KNEE,
surgery/ LIGAMENTS, ARTICULAR,
physiology/ MIDDLE AGE/ MOVEMENT/
OSTEOPOROSIS, prevention & control/
POSTOPERATIVE CARE/ POSTOPERATIVE
COMPLICATIONS/ PROSTHESIS DESIGN/

AUTHOR SECTION

- STRESS, MECHANICAL/ SURGICAL WOUND
INFECTION
1770. Jones GE, Boyns AR, Cameron EH, et al: Plasma oestradiol, luteinizing hormone and progesterone during pregnancy in the Beagle bitch. *J Reprod Fertil* 35:187-9, Oct 73
*DOGS, physiology/ *ESTRADIOL, blood/ FEMALE/ *LH, blood/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS
1771. Jones GH, Murthy DV, Tegg D, et al: Analogs of adenosine 3',5'-cyclic phosphate. II. Synthesis and enzymatic activity of derivatives of 1,N6-ethenoadenosine 3',5'-cyclic phosphate. *Biochem Biophys Res Commun* 53:1338-43, 21 Aug 73
ACETALDEHYDE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, chem synthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATS/ CHLORINE/ ENZYME ACTIVATION, drug effects/ IMIDAZOLES, chem synthesis/ IMIDAZOLES, pharmacodynamics/ MUSCLES, enzymology/ PROTEIN KINASE, metabolism/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP
1772. Jones JB, Baskevitch N: Steroids and steroidases XX (1). Aggregation in aqueous solution of steroids with stigmastane type C-17 side chains and its influence on their enzymic transformations. *Steroids* 22:525-38, Oct 73
ALCOHOL, METHYL/ CHEMISTRY/ ETHERS, CYCLIC/ ISOMERASES, metabolism/ ISOMERISM/ KETONES/ KETOSTEROIDS/ KINETICS/ OXIDATION-REDUCTION/ PERCHLORIC ACIDS/ *PHYTOSTEROOLS/ PSEUDOMONAS, enzymology/ SITOSTEROOLS/ SOLVENTS/ STRUCTURE-ACTIVITY RELATIONSHIP
1773. Jones R, Glover TD: The effects of castration on the composition of rabbit epididymal plasma. *J Reprod Fertil* 34:405-14, Sep 73
ANIMAL EXPERIMENTS/ BODY FLUIDS, analysis/ *CASTRATION/ *EPIDIDYMIS/ EPIDIDYMIS, cytology/ EPIDIDYMIS, drug effects/ GLYCERYLPHOSPHORYLCHOLINE, analysis/ HYDROGEN-ION CONCENTRATION/ LACTATE DEHYDROGENASE, analysis/ MALE/ PROTEINS, analysis/ RABBITS/ *SEMEN, analysis/ SODIUM, analysis/ SPERMATOZOA, cytology/ TESTOSTERONE, pharmacodynamics
1774. Jones RB, Nowell NW: The coagulating glands as a source of aversive and aggression-inhibiting pheromone(s) in the male albino mouse. *Physiol Behav* 11:455-62, Oct 73
*AGGRESSION/ ANIMAL EXPERIMENTS/ CASTRATION/ CROWDING/ EXPLORATORY BEHAVIOR, drug effects/ MALE/ MICE/ ODORS/ PENIS, physiology/ PHENYLPROPIONATES/ *PHEROMONES, urine/ SEBACEOUS GLANDS, physiology/ *SEBACEOUS GLANDS, secretion/ *SEMINAL VESICLES, secretion/ *SMELL/ SOCIAL ISOLATION/ TERRITORIALITY/ TESTOSTERONE, pharmacodynamics
1775. Jones RB, Wise JL, Klesow LA: Failure of methylprednisolone to protect lead-sensitized rats against endotoxin. *Infect Immun* 8:683-4, Oct 73
ACETATES/ ANIMAL EXPERIMENTS/ *ENDOTOXINS, pharmacodynamics/ IMMUNIZATION/ *LEAD, pharmacodynamics/ LETHAL DOSE 50/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ RATS/ SERRATIA MARCESCENS, immunology/ *SHOCK, ENDOTOXIC, prevention & control
1776. Jonsson K, Ingemansson S, Ling L: Lymphography in patients with testicular tumours. *Br J Urol* 45:548-54, Oct 73
ADULT/ HUMAN/ *LYMPHOGRAPHY/ MALE/ METHODS/ NEOPLASM METASTASIS/
- *TERATOID TUMOR, radiography/
*TESTICULAR NEOPLASMS, radiography
1777. Jordan E, Green L, Echols H: Establishment of repression by bacteriophage lambda: lack of a direct regulatory effect of cyclic AMP. *Virology* 55:521-3, Oct 73
ADENINE NUCLEOTIDES/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *COLIPHAGES, drug effects/ COLIPHAGES, enzymology/ COLIPHAGES, growth & development/ COLIPHAGES, metabolism/ ENZYME INDUCTION/ ENZYMES, biosynthesis/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, metabolism/ GALACTOSIDASE, biosynthesis/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ GLYCERIN, metabolism/ LYSOGENY, drug effects/ MUTATION/ VIRAL PROTEINS, biosynthesis/ VIRUS REPLICATION
1778. Jordan F: The electronic structure of and conformational energy barrier to rotation around the C-N glycosidic linkage in adenosine-3',5'-cyclicmonophosphate (cyclic AMP) and its phosphonate analog. *J Theor Biol* 41:23-40, 14 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE/ ENERGY TRANSFER/ *MOLECULAR CONFORMATION/ PHOSPHONIC ACIDS/ QUANTUM THEORY
1779. Jorgensen FS, Transbol I, Binder C: The effect of bendroflumethiazide on total, ultrafiltrable and ionized calcium in serum in normocalcaemic renal stone formers and in hyperparathyroidism. *Acta Med Scand* 194:323-6, Oct 73
ABSORPTION/ ADMINISTRATION, ORAL/ ADULT/ AGED/ BENDROFLUMETHIAZIDE, administration & dosage/ *BENDROFLUMETHIAZIDE, diagnostic use/ BLOOD PROTEINS/ CALCIUM, blood/ CALCIUM, urine/ CREATININE, blood/ CREATININE, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, metabolism/ HYPERTENSION, metabolism/ *KIDNEY CALCULI, metabolism/ MALE/ MIDDLE AGE/ PHOSPHATES, blood/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ STIMULATION, CHEMICAL/ ULTRAFILTRATION
1780. Jorgensen FS, Transbol I: The effect of bendroflumethiazide on the renal handling of calcium, magnesium and phosphate in normocalcaemic renal stone formers and in hyperparathyroidism. *Acta Med Scand* 194:327-34, Oct 73
ABSORPTION/ ADULT/ AGED/ *BENDROFLUMETHIAZIDE, diagnostic use/ BLOOD PROTEINS/ CALCIUM, blood/ *CALCIUM, urine/ CARBON DIOXIDE, blood/ CHLORIDES, blood/ COMPARATIVE STUDY/ CREATININE, urine/ FEMALE/ HUMAN/ HYPERCALCEMIA, metabolism/ *HYPERPARATHYROIDISM, metabolism/ KIDNEY, drug effects/ *KIDNEY CALCULI, metabolism/ MAGNESIUM, blood/ *MAGNESIUM, urine/ MALE/ MIDDLE AGE/ PHOSPHATES, blood/ *PHOSPHATES, urine/ POTASSIUM, metabolism/ SODIUM, urine
1781. Jorgensen PE: The nature and biological activity of IPN virus neutralizing antibodies in normal and immunized rainbow trout (*Salmo gairdneri*). *Arch Gesamte Virusforsch* 42:9-20, 1973
ALKYLATION/ ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL, analysis/ *ANTIBODIES, VIRAL, isolation & purification/ CELL LINE/ ELECTROPHORESIS, PAPER/ *FISH DISEASES, microbiology/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GONADS/ IMMUNE SERUMS/ IMMUNIZATION/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS/ NEUTRALIZATION TESTS/ OXIDATION-REDUCTION/

AUTHOR SECTION

- PICORNAVIRUS, growth & development/
*PICORNAVIRUS, immunology/ RABBITS,
immunology/ SALMONIDAE/ *SALMONIDAE,
immunology
1782. Jorgenson RJ, Warson RW: Dental abnormalities in the tricho-dento-osseous syndrome.
Oral Surg 36:693-700, Nov 73
*ABNORMALITIES, MULTIPLE/
ADOLESCENCE/ ADULT/ AMELOGENESIS
IMPERFECTA/ AUTOSOME ABNORMALITIES/
BONE AND BONES, abnormalities/ CHILD/
CHILD, PRESCHOOL/ HAIR, abnormalities/
HUMAN/ RADIOGRAPHY, PANORAMIC/
SYNDROME/ *TOOTH ABNORMALITIES/
TOOTH, IMPACTED
1783. Joseph SA, Scott DE, Vaala SS, et al: Localization and content of thyrotrophin releasing factor (TRE) in median eminence of the hypothalamus.
Acta Endocrinol (Kbh) 74:215-25, Oct 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *HYPOTHALAMUS,
analysis/ MALE/ MICROSCOPY, ELECTRON/
MINK/ PLASMA/ RADIOIMMUNOASSAY/
RATS/ *THYROTROPIN RELEASING
HORMONE, analysis/ TRITIUM
1784. Joshi HS, Watson DJ, Labhsetwar AP: Ovarian secretion of oestradiol, oestrone, 20-dihydroprogesterone and progesterone during the oestrous cycle of the guinea-pig.
J Reprod Fertil 35:177-81, Oct 73
ALGESTONE ACETOPHENIDE, secretion/
*ALGESTONE ACETOPHENIDE, secretion/
ANIMAL EXPERIMENTS/ *ESTRADIOL,
secretion/ *ESTRONE, secretion/ ESTRUS/
FEMALE/ GUINEA PIGS/ OVARY, blood
supply/ *OVARY, secretion/
PROGESTERONE, secretion/
RADIOIMMUNOASSAY
1785. Joshi KR, Agarwal VP, Sachdev KN: Connective tissue changes in testes following vasectomy. An experimental study. Indian J Med Sci 27:536-9, Jul 73
ANIMAL EXPERIMENTS/ *CONNECTIVE
TISSUE, anatomy & histology/ DOGS/
ELASTIC TISSUE, anatomy & histology/
MALE/ RETICULIN/ *TESTIS, anatomy &
histology/ TESTIS, pathology/ *VASECTOMY
1786. Jost A, Viglier B, Prépín J, et al: Studies on sex differentiation in mammals.
Recent Prog Horm Res 29:1-41, 1973 (65 ref.)
ANIMAL EXPERIMENTS/ CASTRATION/
CATTLE/ *CELL DIFFERENTIATION, drug
effects/ FEMALE/ FETUS/ FREEMARTINISM,
embryology/ GESTATIONAL AGE/ MALE/
METHYLTESTOSTERONE, pharmacodynamics/
OVARY, anatomy & histology/ OVARY,
embryology/ OVARY, metabolism/
PREGNANCY/ RABBITS/ RATS/ REVIEW/
*SEX DETERMINATION/ TESTIS, anatomy &
histology/ TESTIS, embryology/ TESTIS,
metabolism/ TESTIS, physiology/
TESTOSTERONE, pharmacodynamics/ TIME
FACTORS
1787. Jourdan GW, Distler JJ: Formation in vitro of uridine-5'-(oligosaccharide)-1-pyrophosphates.
J Biol Chem 248:6781-7, 10 Oct 73
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CATTLE/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
COLOSTRUM, enzymology/ DISACCHARIDES/
ELECTROPHORESIS, PAPER/ FEMALE/
GALACTOSE/ *GALACTOSIDASE, metabolism/
GEL FILTRATION/ GLUCOSAMINE/ GOATS/
MALE/ METHODS/ NEURAMINIC ACIDS/
OLIGOSACCHARIDES/ PREGNANCY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*TESTIS, enzymology/ TRANSFERASES/
TRITIUM/ *URIDINE DIPHOSPHATE SUGARS,
biosynthesis/ URIDINE DIPHOSPHATE
SUGARS, isolation & purification
1788. Jover Sanz E, Velasco Alonso R: Acción de los progestágenos sintéticos sobre los lípidos del plasma.
Rev Clin Esp 130:269-74, 15 Aug 73 (Spa)
ADMINISTRATION, ORAL/ ADULT/ AGE
FACTORS/ AGED/ ENGLISH ABSTRACT/
HUMAN/ *LIPIDS, blood/ MALE/ MIDDLE
AGE/ *NORETHINDRONE, pharmacodynamics/
*NORGESTREL, pharmacodynamics
1789. Jowsey J, Holley KE: Influence of diphosphonates on progress of experimentally induced osteoporosis.
J Lab Clin Med 82:567-75, Oct 73
ALKALINE PHOSPHATASE, blood/ ANIMAL
EXPERIMENTS/ BONE RESORPTION, drug
effects/ CALCIUM, blood/ CALCIUM, urine/
CALCIUM, DIETARY, adverse effects/ CATS/
COMPARATIVE STUDY/ CREATININE, blood/
FASTING/ FOOD/ MEAT/ OSTEOPOROSIS,
etiology/ *OSTEOPOROSIS, prevention &
control/ PARATHYROID GLANDS, surgery/
PARATHYROID HORMONE,
pharmacodynamics/ *PHOSPHONIC ACIDS,
pharmacodynamics/ PHOSPHONIC ACIDS,
therapeutic use/ PHOSPHORUS, blood/
PHOSPHORUS, urine/ RATS/
THYROIDECTOMY
1790. Joyeux O, Bochu M, Buffard P: Neuroradiographie et tumeurs de la région pinéale.
Rev Otoneuroophthalmol 45:23-30, Jan-Feb 73 (Fre)
ADULT/ CEREBRAL ANGIOGRAPHY/ CHILD/
*DYSEMBRYOMA, radiography/ FEMALE/
*GLIOMA, radiography/ HUMAN/ MALE/
*MELANOMA, radiography/ *MENINGIOMA,
radiography/ MIDDLE AGE/ *PINEALOMA,
radiography/ PNEUMOENCEPHALOGRAPHY/
TOMOGRAPHY, RADIOGRAPHIC/
VENTRICULOGRAPHY
1791. Joyner WL, Kokas E: Effect of various gastrointestinal hormones and vasoactive substances on villous motility.
Comp Biochem Physiol [A] 46:171-81, 1 Sep 73
ANIMAL EXPERIMENTS/ BRADYKININ,
pharmacodynamics/ CAERULEIN,
pharmacodynamics/ CHOLECYSTOKININ,
pharmacodynamics/ COMPARATIVE STUDY/
DOGS/ ELEDOSIN, pharmacodynamics/
GASTRIN, pharmacodynamics/
*GASTROINTESTINAL HORMONES,
pharmacodynamics/ *GASTROINTESTINAL
MOTILITY, drug effects/ HISTAMINE,
pharmacodynamics/ HUMAN/ INTESTINAL
MUCOSA, drug effects/ INTESTINAL
MUCOSA, physiology/ JEJUNUM, drug effects/
*JEJUNUM, physiology/ KALLIDIN,
pharmacodynamics/ PANCREOZYMIN,
pharmacodynamics/ PENTAGASTRIN,
pharmacodynamics/ PEPTIDES,
pharmacodynamics/ SECRETIN,
pharmacodynamics/ SEROTONIN,
pharmacodynamics/ TIME FACTORS
1792. Juchau MR: Placental metabolism in relation to toxicology.
CRC Crit Rev Toxicol 2:125-58, Sep 73 (163 ref.)
ANIMAL EXPERIMENTS/ AZO COMPOUNDS,
metabolism/ BIOLOGICAL TRANSPORT,
ACTIVE/ BIOTRANSFORMATION/
DIFFUSION/ DRUGS, metabolism/ ENZYME
INDUCTION/ ESTROGENS, biosynthesis/
FEMALE/ HORMONES, metabolism/ HUMAN/
HYDROLYSIS/ HYDROXYLASES, metabolism/
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NITRO COMPOUNDS, metabolism/
OXIDATION-REDUCTION/ PEPTIDES,
metabolism/ PINOCYTOSIS/ PLACENTA,
enzymology/ *PLACENTA, metabolism/
PREGNANCY/ PROGESTERONE, metabolism/
RATS/ REVIEW/ TOXICOLOGY
1793. Juchau MR, Smuckler EA: Subcellular localization of human placental aryl hydrocarbon hydroxylase.
Toxicol Appl Pharmacol 26:163-79, Oct 73
ACID PHOSPHATASE, analysis/ ALKALINE
PHOSPHATASE, analysis/ BENZOPYRENES/
CELL FRACTIONATION/ CELL NUCLEUS,
enzymology/ CYTOCHROME C, analysis/
CYTOCHROME OXIDASE, analysis/
ENDOPLASMIC RETICULUM, enzymology/
FEMALE/ GLUCOSEPHOSPHATE

AUTHOR SECTION

- DEHYDROGENASE, analysis/ HUMAN/
*HYDROXYLASES, analysis/ IN VITRO/
LYSOSOMES, analysis/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA, enzymology/
NUCLEOTIDASES, analysis/ PLACENTA,
cytology/ *PLACENTA, enzymology/
PREGNANCY/ SULFATASES, analysis
1794. Juli JW, McClellan D, Coupey S: Steroid metabolism by an oestrogen-dependent interstitial-cell tumour of a rat testis. *J Endocrinol* 59:7-16, Oct 73
ANDROSTENEDIONE, metabolism/
ANDROSTENES, biosynthesis/
ANDROSTERONE, biosynthesis/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHOLESTEROL, metabolism/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
DEHYDROEPIANDROSTERONE, biosynthesis/
ETIOCHOLANOLONE, metabolism/ IN VITRO/
*LEYDIG CELL TUMOR, metabolism/ MALE/
PREGNENOLONE, metabolism/ RATS/
*STEROIDS, biosynthesis/ *TESTICULAR
NEOPLASMS, metabolism/ TESTOSTERONE,
metabolism
1795. Jung A, Bisaz S, Bartholdi P, et al: Influence of pyrophosphate on the exchange of calcium and phosphate ions on hydroxyapatite. *Calcif Tissue Res* 13:27-40, 1973
*APATITES, metabolism/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
CHEMISTRY, PHYSICAL/
CRYSTALLIZATION/ KINETICS/
MATHEMATICS/ *PHOSPHATES, metabolism/
PHOSPHORUS RADIOISOTOPES/
*PYROPHOSPHATES, pharmacodynamics/
SOLUTIONS
1796. Jung EG: Bedeutung und Heterogenität des Syndroms Xeroderma pigmentosum. *Hautarzt* 24:175-9, May 73 (61 ref.) (Ger)
AUTOSOME ABNORMALITIES, complications/
AUTOSOME ABNORMALITIES, familial &
genetic/ DWARFISM, familial & genetic/
HUMAN/ HYPOGONADISM,
familial & genetic/ LIGHT, adverse effects/
MENTAL RETARDATION, familial & genetic/
MICROCEPHALY, familial & genetic/
REVIEW/ SYNDROME/ ULTRAVIOLET RAYS/
*XERODERMA PIGMENTOSUM/ XERODERMA
PIGMENTOSUM, etiology/ XERODERMA
PIGMENTOSUM, familial & genetic
1797. Jung G, König WA, Voelter W:
1,4-Androstadiene-3,17-dione found in the urine of a boy. *Steroids* 22:293-306, Aug 73
ADOLESCENCE/ ANDROSTENES, isolation &
purification/ *ANDROSTENES, urine/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
CIRCULAR DICHROISM/ *CONVULSIONS,
urine/ *EPILEPSY, urine/ GLUCURONIDASE/
HUMAN/ 17-KETOSTEROIDS, urine/
KETOSTEROIDS, urine/ MALE/ MOLLUSCA,
enzymology/ NUCLEAR MAGNETIC
RESONANCE/ SPECTROPHOTOMETRY,
INFRARED/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ SPECTRUM ANALYSIS,
MASS
1798. Jurković I, Frič I, Böer A: Placenta pri neuroblastome. *Cesk Pediatr* 28:433-5, Aug 73 (Slo)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
INFANT, NEWBORN/ *MEDIASINAL
NEOPLASMS, pathology/ NEOPLASM
METASTASIS/ *NEUROBLASTOMA, pathology/
*PLACENTA DISORDERS, pathology/
PREGNANCY
- K
1799. Kabakian HA, Massabni SR: The value of the postevacuation view of the colon in the detection of pelvic pathology. A report of 9 illustrative cases. *Am J Roentgenol Radium Ther Nucl Med* 119:393-403, Oct 73
ABDOMINAL NEOPLASMS, radiography/
ABDOMINAL NEOPLASMS, surgery/
ADENOCARCINOMA, radiography/
- ADENOCARCINOMA, surgery/ ADNEXA
UTERI/ ADOLESCENCE/ ADULT/ *COLON,
radiography/ DEFECATION/ FEMALE/
HUMAN/ LEIOMYOMA, radiography/
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OVARIAN NEOPLASMS, radiography/
OVARIAN NEOPLASMS, surgery/ *PELVIC
NEOPLASMS, radiography/ SIGMOID,
radiography/ UTERINE NEOPLASMS,
radiography/ UTERINE NEOPLASMS, surgery
1800. Kádás I, Jobst K: Liver damage induced by lanthanum trichloride. *Acta Morphol Acad Sci Hung* 21:27-37, 1973
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ BONE MARROW
EXAMINATION/ FATTY LIVER, chemically
induced/ GASTROINTESTINAL SYSTEM,
pathology/ HEPARIN, pharmacodynamics/
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LANTHANUM, administration & dosage/
*LIVER, drug effects/ LIVER, pathology/
LIVER GLYCOGEN, analysis/ LUNG,
pathology/ MALE/ MYOCARDIUM, pathology/
PANCREAS, pathology/ RABBITS/ RATS/
SPLEEN, pathology/ TESTIS, pathology/
VITAMIN K, pharmacodynamics
1801. Kadohama N, Turkington RW: Changes in acidic chromatin proteins during mammary cell differentiation. *Can J Biochem* 51:1167-76, Aug 73
AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ CATTLE/ CELL
DIFFERENTIATION/ CELL NUCLEUS,
metabolism/ CENTRIFUGATION, DENSITY
GRADIENT/ CHROMATIN, analysis/
CHROMATIN, drug effects/ *CHROMATIN,
metabolism/ DNA, biosynthesis/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ FEMALE/ HYDROCORTISONE,
pharmacodynamics/ INSULIN,
pharmacodynamics/ LACTATION/ MAMMAE,
cytology/ *MAMMAE, metabolism/ MICE/
MOLECULAR WEIGHT/ NUCLEOPROTEINS,
biosynthesis/ *NUCLEOPROTEINS, metabolism/
ORGAN CULTURE/ PREGNANCY/
PROLACTIN, pharmacodynamics/ TIME
FACTORS/ TRITIUM
1802. Kaeser HE: La terapia delle polineuriti. *Minerva Med* 64:3046-8, 18 Aug 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic
use/ ANALGESICS AND ANTIPYRETICS,
therapeutic use/ CORTICOTROPIN, therapeutic
use/ HUMAN/ *POLYNEURITIS,
drug therapy/ TRANQUILIZING AGENTS,
therapeutic use/ VITAMINS, therapeutic use
1803. Kågedal B, Laurell S, Rerup C, et al: Effect of nicotinic-acid-induced variation of plasma free fatty acids on some hormones in starving subjects. *Scand J Clin Lab Invest* 31:331-6, May 73
ADOLESCENCE/ ADULT/ BLOOD SUGAR,
metabolism/ BLOOD UREA NITROGEN,
metabolism/ DEPRESSION, CHEMICAL/
EPIDIDYMI/ *FATTY ACIDS,
NONESTERIFIED, blood/ FEMALE/
GLYCERIN, blood/ HUMAN/
HYDROCORTISONE, blood/ *INSULIN, blood/
LIPIDS, metabolism/ MALE/ METHODS/
*NICOTINIC ACID, pharmacodynamics/
NITROGEN, blood/ RATS/ *SOMATOTROPIN,
blood/ *STARVATION, blood/ STIMULATION,
CHEMICAL/ *THYROXINE, blood/ TIME
FACTORS
1804. Kahn LB: Letter: Virus-like particles in Hashimoto's disease and a variety of other tissues. *Lah Invest* 29:350-1, Sep 73
ADENOMA, pathology/ ANIMAL
EXPERIMENTS/ HUMAN/ *INCLUSION
BODIES, VIRAL/ LIVER, pathology/
MELANOMA, pathology/ MICE/ MICROSCOPY,
ELECTRON/ NEUROFIBROMA, pathology/
PANCREAS, pathology/ PARATHYROID
NEOPLASMS, pathology/ PAROTID
NEOPLASMS, pathology/ PORPHYRIA,
pathology/ THYROID GLAND, pathology/

AUTHOR SECTION

- *THYROIDITIS, LYMPHOMATOUS, microbiology/ THYROIDITIS, LYMPHOMATOUS, pathology
1805. Kahn RA, Meryman HT: Effects of various solutes on platelets exposed to hypertonic stress. Am J Physiol 225:770-5, Oct 73
*BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ BLOOD PRESERVATION/ COLD/ GLYCOLS, pharmacodynamics/ HUMAN/ *HYPERTONIC SOLUTIONS, pharmacodynamics/ *OSMOLAR CONCENTRATION/ PLATELET ADHESIVENESS/ SEROTONIN, metabolism/ SODIUM CHLORIDE, pharmacodynamics
1806. Kahrs RF, Hillman RB, Todd JD: Observations on the intranasal vaccination of pregnant cattle against infectious bovine rhinotracheitis and parainfluenza-3 virus infection. J Am Vet Med Assoc 163:437-41, 1 Sep 73
ABORTION, VETERINARY, etiology/ ADMINISTRATION, INTRANASAL/ ANIMAL EXPERIMENTS/ CATTLE/ CATTLE DISEASES, immunology/ *CATTLE DISEASES, prevention & control/ INFECTIOUS BOVINE RHINOTRACHEITIS, immunology/ INFECTIOUS BOVINE RHINOTRACHEITIS, prevention & control/ LACTATION/ NEUTRALIZATION TESTS/ PARA-INFLUENZA, immunology/ PARA-INFLUENZA, prevention & control/ *PARA-INFLUENZA, veterinary/ PARA-INFLUENZA VIRUSES, immunology/ PREGNANCY/ *PREGNANCY, ANIMAL/ *VACCINATION, veterinary/ *VIRAL VACCINES, administration & dosage/ VIRAL VACCINES, adverse effects
1807. Kaiser H: Glucocorticoides bei Virushepatitis. Dtsch Med Wochenschr 98:1684, 7 Sep 73 (Ger)
*GLUCOCORTICOIDES, administration & dosage/ *HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ LONG TERM CARE/ PREDNISONE, administration & dosage
1808. Kajli T, Oama K, Niihawa N, et al: Banding analysis of abnormal karyotypes in spontaneous abortion. Am J Hum Genet 25:539-47, Sept 73
*ABORTION, familial & genetic/ ANEUPLOIDY/ AUTOSOME ABNORMALITIES, familial & genetic/ *CHROMOSOME ABNORMALITIES, familial & genetic/ CHROMOSOMES, HUMAN, 1-3/ CHROMOSOMES, HUMAN, 4-5/ CHROMOSOMES, HUMAN, 6-12/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ CHROMOSOMES, HUMAN, 21-22/ FEMALE/ GESTATIONAL AGE/ HUMAN/ KARYOTYPING/ POLYPOIDY/ PREGNANCY/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ TRISOMY/ TRYPSIN
1809. Kalala LR, Goris J, Merlevede W: Phosphorylase phosphatase: molecular configuration and activity. FEBS Lett 32:284-8, 1 Jun 73
ADENOSINE TRIPHOSPHATE/ *ADRENAL GLANDS, enzymology/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ ENZYME ACTIVATION/ GEL FILTRATION/ GLYCOGEN PHOSPHORYLASE/ KINETICS/ *LIVER, enzymology/ MAGNESIUM/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ *PHOSPHATASES, analysis/ PROTEIN CONFORMATION/ TIME FACTORS
1810. Kalantaevskaia KA, Borovskii AV: Sostoianie simpatoadrenalovoi sistemy u bol'nykh sifilisom do i posle lechenia penitsillinom. Vrach Delo 7:111-4, Jul 73 (Rus)
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ ADULT/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ INSULIN, pharmacodynamics/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ *PENICILLIN, therapeutic use/
- *SYMPATHETIC NERVOUS SYSTEM, drug effects/ *SYPHILIS, drug therapy
1811. Kalderon AE, Bogaars HA, Diamond I: Ultrastructural alterations of the follicular basement membrane in Hashimoto's thyroiditis. Report of eight cases with basement deposits. Am J Med 55:485-91, Oct 73
BASEMENT MEMBRANE, cytology/ BASEMENT MEMBRANE, pathology/ CHRONIC DISEASE/ COMPARATIVE STUDY/ DENSITOMETRY/ FLUORESCENT ANTIBODY TECHNIC/ GOITER, EXOPHTHALMIC, pathology/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ MICROSCOPY, ELECTRON/ THYROID GLAND, cytology/ THYROID GLAND, immunology/ *THYROID GLAND, pathology/ THYROIDITIS, LYMPHOMATOUS, immunology/ *THYROIDITIS, LYMPHOMATOUS, pathology
1812. Kaliner M, Austen KF: A sequence of biochemical events in the antigen-induced release of chemical mediators from sensitized human lung tissue. J Exp Med 138:1077-94, 1 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ANTIGEN-ANTIBODY REACTIONS/ CALCIUM, metabolism/ EDTA, pharmacodynamics/ ESTERASES, antagonists & inhibitors/ ESTERASES, metabolism/ *HISTAMINE LIBERATION/ HUMAN/ IGE/ IMMUNOCHEMISTRY/ ISOFLUOROPHATE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ LUNG, enzymology/ *LUNG, immunology/ LUNG, metabolism/ *SRS-A, secretion/ TIME FACTORS
1813. Kalinin AP, Ermulovich IaV, Strizhevskii AN: Geneticheskie aspekty proiskhozhdeniia nekotorykh zabolovaniy shchitovidnoi zhelezy. Sov Med 35:35-41, Jun 72 (129 ref.) (Rus)
CRETINISM, familial & genetic/ DISEASES IN TWINS/ GOITER, ENDEMIC, familial & genetic/ GOITER, EXOPHTHALMIC, familial & genetic/ HUMAN/ MYXEDEMA, familial & genetic/ REVIEW/ THYROID DISEASES, etiology/ *THYROID DISEASES, familial & genetic/ THYROID NEOPLASMS, familial & genetic/ THYROIDITIS, LYMPHOMATOUS, familial & genetic
1814. Kalinin AP, Ermulovich IaV, Fiks AF: Metastazy opukolei v shchitovidnuiu zhelezu. Khirurgiya (Mosk) 49:30-3, Mar 73 (Rus)
AGE FACTORS/ AUTOPSY/ BRONCHIAL NEOPLASMS, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASM METASTASIS, diagnosis/ SEX FACTORS/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, pathology
1815. Kallfelz FA, Erall RP: Thyroid function tests in domesticated animals: free thyroxine index. Am J Vet Res 34:1449-51, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, DOMESTIC, physiology/ CATS, physiology/ CATTLE, physiology/ COMPARATIVE STUDY/ DOGS, physiology/ GOATS, physiology/ HORSES, physiology/ PROTEIN BINDING/ SHEEP, physiology/ SWINE, physiology/ *THYROID GLAND FUNCTION TESTS, veterinary/ *THYROXINE, blood/ TRIIODOTHYRONINE, blood
1816. Kallio H: Cytogenetic and clinical study on 100 cases of primary amenorrhoea. Acta Obstet Gynecol Scand [Suppl] 1-78, 1973
ADOLESCENCE/ ADULT/ AMENORRHEA, etiology/ *AMENORRHEA, familial & genetic/ AMENORRHEA, urine/ *CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES/ ESTROGENS, urine/ FEMALE/ FINLAND/ GLUCOCORTICOIDES, urine/ GONADOTROPINS, urine/ HUMAN/ KARYOTYPING/ MIDDLE AGE/ MULLERIAN DUCTS, abnormalities/ OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ OVARY, pathology/ PROGESTATIONAL HORMONES, urine/ *SEX CHROMATIN/ *SEX CHROMOSOMES/

AUTHOR SECTION

- TESTICULAR FEMINIZATION, familial & genetic/ *TURNER'S SYNDROME, familial & genetic/ VAGINAL SMEARS
1817. Kalliomäki JL, Siitavuori L, Virtama P: Stature and aging. *J Am Geriatr Soc* 21:504-6, Nov 73
AGE DETERMINATION BY SKELETON/
AGED/ *AGING/ *BODY HEIGHT/ *BODY WEIGHT/ BONE RESORPTION/ FEMALE/ HUMAN/ INTERVERTEBRAL DISK/ MALE/ MENOPAUSE/ MIDDLE AGE/ *OSTEOPOROSIS, diagnosis/ SEX FACTORS
1818. Kallman KD, Schreibleman MP: A sex-linked gene controlling gonadotrop differentiation and its significance in determining the age of sexual maturation and size of the platyfish, *Xiphophorus maculatus*. *Gen Comp Endocrinol* 21:287-304, Oct 73
AGE FACTORS/ ANDROGENS, secretion/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ *FISHES, growth & development/ *GENES/ HETEROZYGOTE/ HOMOZYGOTE/ MALE/ *PITUITARY GLAND, growth & development/ *TESTIS, growth & development/ TESTIS, secretion
1819. Kamallan N, Dudley AW Jr, Beroukhi F: Wolman disease with jaundice and subarachnoid hemorrhage. *Am J Dis Child* 126:871-5, Nov 73
ADRENAL GLANDS, pathology/ BRAIN, pathology/ DIET THERAPY/ DIETARY FATS/ FEMALE/ HEPATOMEGALY, complications/ HEPATOMEGALY, pathology/ HUMAN/ INFANT/ *JAUNDICE, etiology/ *LIPOIDOSIS, familial & genetic/ LIPOIDOSIS, pathology/ LIVER, pathology/ LYMPH NODES, pathology/ SPLEEN, pathology/ *SUBARACHNOID HEMORRHAGE, complications/ SUBARACHNOID HEMORRHAGE, pathology/ SYNDROME/ *XANTHOMATOSIS, familial & genetic/ XANTHOMATOSIS, pathology
1820. Kamback MC: The hippocampus and motivation: a re-examination. *J Gen Psychol* 89:313-24, Oct 73
ANIMAL EXPERIMENTS/ ATTENTION/ BEHAVIOR, ANIMAL/ ENVIRONMENT/ HABITUATION (PSYCHOPHYSIOLOGY)/ *HIPPOCAMPUS, physiology/ HOMEOSTASIS/ HYPOTHALAMUS, physiology/ LEARNING/ MODELS, NEUROLOGIC/ *MOTIVATION/ NEURAL INHIBITION/ NEURAL INTERCONNECTIONS, physiology/ RATS/ RETICULAR FORMATION, physiology
1821. Kamińska M, Księżopolska A, Juraniec J, et al: Prawdopodobna samolstna remisja u 20-miesięcznego dziecka z chorobą Abt-Letterer-Siwe. *Pediatr Pol* 48:1015-8, Aug 73 (Pol)
FEMALE/ HUMAN/ INFANT/ *LETTERER-SIWE DISEASE/ LETTERER-SIWE DISEASE, drug therapy/ LETTERER-SIWE DISEASE, pathology/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION
1822. Kampschulte S, Marcy J, Safar P: Simplified physiologic management of status asthmaticus in children. *Crit Care Med* 1:69-74, Mar-Apr 73
AMINOPHYLLINE, therapeutic use/ ANTIBIOTICS, therapeutic use/ ASTHMA, blood/ ASTHMA, drug therapy/ *ASTHMA, therapy/ BICARBONATES, adverse effects/ BICARBONATES, therapeutic use/ BRONCHODILATOR AGENTS, therapeutic use/ CARBON DIOXIDE, blood/ CHILD/ CHILD, PRESCHOOL/ EPINEPHRINE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYDROGEN-ION CONCENTRATION/ HYPERNATREMIA, chemically induced/ HYPOKALEMIA, chemically induced/ INFUSIONS, PARENTERAL/ INTUBATION, INTRATRACHEAL/ OXYGEN, blood/ OXYGEN INHALATION THERAPY/ POSITIVE-PRESSURE RESPIRATION/ SODIUM, adverse effects/ SODIUM, therapeutic use
1823. Kanagawa H, Hafez ES, Mori J, et al: Cyclic changes in cervical mucus and LH levels in the bonnet macaque (*Macaca radiata*). *Folia Primatol (Basel)* 19:208-17, 1973
- ANIMAL EXPERIMENTS/ *CERVIX MUCUS/ ELECTROPHORESIS, DISC/ FEMALE/ *LH, blood/ *MACACA, physiology/ MENSTRUATION/ MONKEYS/ OVULATION/ PROTEINS, analysis/ VAGINA, cytology/ VAGINAL SMEARS
1824. Kanda N: A new differential technique for staining the heteropycnotic X-chromosome in female mice. *Exp Cell Res* 80:463-7, Aug 73
ANIMAL EXPERIMENTS/ BONE MARROW CELLS, cytology/ MICE/ POTASSIUM CHLORIDE/ QUINACRINE/ *SEX CHROMOSOMES/ *STAINS AND STAINING/ TEMPERATURE
1825. Kaneyuki T, Yuge S: Zur Prophylaxe postoperativer peritonealer Adhäsionen. *Med Welt* 24:1220-2, 10 Aug 73 (Ger)
*ADHESIONS, prevention & control/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ CHONDROITIN, therapeutic use/ COMPARATIVE STUDY/ DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ INTESTINE, SMALL/ KALLIKREIN-TRYPSIN INACTIVATOR, administration & dosage/ LAPAROTOMY, adverse effects/ MALE/ MESENTERY/ MIDDLE AGE/ OMENTUM/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ RATS
1826. Kann G, Denamur R: Changes in plasma levels of prolactin and LH induced by luteolytic or luteotrophic treatment in intact cycling sheep after section of the pituitary stalk. *Acta Endocrinol (Kbh)* 73:325-34, Aug 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ *LH, blood/ *PITUITARY GLAND, physiology/ *PROLACTIN, blood/ SHEEP/ STIMULATION, CHEMICAL/ TIME FACTORS
1827. Kannan V, Sinha MK, Devi PK, et al: Plasma thyrotropin and its response to thyrotropin releasing hormone in normal pregnancy. *Obstet Gynecol* 42:547-9, Oct 73
FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, diagnostic use/ GUINEA PIGS, immunology/ HUMAN/ IMMUNE SERUMS/ INJECTIONS, INTRAVENOUS/ IODINE RADIOISOTOPES/ PITUITARY GLAND, physiology/ *PREGNANCY/ PUERPERIUM/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, blood/ THYROTROPIN RELEASING HORMONE, secretion/ TIME FACTORS
1828. Kant JA, Steck TL: Adenosine 3',5' monophosphate binds only to the inner surface of human erythrocyte membranes. *Biochem Biophys Res Commun* 54:116-22, 5 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ BINDING SITES/ CELL FRACTIONATION/ *CELL MEMBRANE, metabolism/ ERYTHROCYTES, cytology/ *ERYTHROCYTES, metabolism/ GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE, metabolism/ HEMOLYSIS/ HUMAN/ KINETICS/ PROTEIN BINDING/ TRITIUM
1829. Kanter SF: Polymyalgia rheumatica: a review of recent literature. *Ohio State Med J* 69:669-71, Sep 73
ADULT/ AGE FACTORS/ AGED/ BIOPSY/ CORTISONE, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ POLYMYALGIA RHEUMATICA, blood/ POLYMYALGIA RHEUMATICA, complications/ POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ *POLYMYALGIA RHEUMATICA, occurrence/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROGNOSIS/ SEX FACTORS/ SYNOVITIS, complications/ TEMPORAL ARTERITIS, complications

AUTHOR SECTION

30. Kaplan AV, Pozhariskii VF: Travmaticheski shok i krovopoteria pri tiazhelykh skeletnykh travmakh. Prohl Gematol Pereliv Krovi 17:28-30, Dec 73 (Rus)
ACUTE DISEASE/ BLOOD VOLUME DETERMINATION/ *BONE AND BONES, injuries/ ENGLISH ABSTRACT/ FRACTURES, complications/ HEMATOCRIT/ *HEMORRHAGE, complications/ HUMAN/ *SHOCK, TRAUMATIC, etiology
31. Kaplan HS, Rosenberg SA: International Symposium on Hodgkin's Disease. Session 5. Treatment. Current status of clinical trials: Stanford experience, 1962-72. Natl Cancer Inst Monogr 36:363-71, May 73
BIOPSY/ CLINICAL RESEARCH/ DRUG THERAPY, COMBINATION/ FOLLOW-UP STUDIES/ GOLD COLLOID, RADIOACTIVE, therapeutic use/ HODGKIN'S DISEASE, classification/ HODGKIN'S DISEASE, mortality/ HODGKIN'S DISEASE, pathology/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ LIVER NEOPLASMS, therapy/ MECHLORETHAMINE, administration & dosage/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ PROCARBAZINE, therapeutic use/ RADIO THERAPY DOSAGE/ RECURRENCE/ SPLENIC NEOPLASMS, therapy/ TIME FACTORS/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use
32. Kaplan SR, Calabresi P: Drug therapy. Immunosuppressive agents. I. N Engl J Med 289:952-5, 1 Nov 73 (11 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *ALKYLATING AGENTS, therapeutic use/ ANTIMETABOLITES, therapeutic use/ ARTHRITIS, RHEUMATOID, drug therapy/ AUTOIMMUNE DISEASES, drug therapy/ CHILD/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ HEMATOLOGIC DISEASES, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY DISEASES, drug therapy/ NEPHROTIC SYNDROME, drug therapy/ REVIEW/ TIME FACTORS/ WEGENER'S GRANULOMATOSIS, drug therapy
33. Kaplanski J, Smelik PG: Analysis of the inhibition of the ACTH release by hypothalamic implants of atropine. Acta Endocrinol (Khh) 73:651-9, Aug 73
ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ CORTICOSTERONE, blood/ *CORTICOTROPIN, secretion/ DEPRESSION, CHEMICAL/ FEMALE/ HYPOPHYSECTOMY/ *HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ PHYSICAL STIMULATION/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, physiology/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS
34. Kapoor K, Levine RA: Effect of adrenergic receptor blockade on the response to prostaglandin E1 in canine ileum. Arch Int Pharmacodyn Ther 203:243-50, Jun 73
*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOGS/ EPINEPHRINE, pharmacodynamics/ GASTROINTESTINAL MOTILITY, drug effects/ *ILEUM, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLE TONUS, drug effects/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL
1835. Kappus H, Bolt HM, Remmer H: Irreversible protein binding of metabolites of ethynylestradiol in vivo and in vitro. Steroids 22:203-25, Aug 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON MONOXIDE, pharmacodynamics/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, ION EXCHANGE/ ENDOPLASMIC RETICULUM, metabolism/ ESTRADIOL, metabolism/ *ETHINYL ESTRADIOL, metabolism/ FEMALE/ GEL FILTRATION/ HYDROXYLATION/ MALE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ NADP, metabolism/ PEPTIDE FRAGMENTS, analysis/ PHENOBARBITAL, pharmacodynamics/ PROADIFEN, pharmacodynamics/ PROTEIN BINDING/ *PROTEINS, metabolism/ RATS/ SERUM ALBUMIN, BOVINE, metabolism/ TIME FACTORS/ TRITIUM/ TRYPSIN
1836. Karapetian RG, Novikov PL: Dinamika nekotorykh élektrolitov (kal'ia, natriia i kal'tsia) v krovi hol'nykh s meningokokkovoi infektsiei. Zh Nevropatol Psikhiatr 73:175-7, 1973 (Rus)
ADOLESCENCE/ ADULT/ *CALCIUM, blood/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ ERYTHROCYTES, analysis/ FEMALE/ HUMAN/ MALE/ *MENINGITIS, MENINGOCOCCIC, blood/ MENINGITIS, MENINGOCOCCIC, complications/ *MENINGOCOCCAL INFECTIONS, blood/ MENINGOCOCCAL INFECTIONS, complications/ *POTASSIUM, blood/ *SODIUM, blood/ *WATERHOUSE-FRIDERICHSEN SYNDROME, blood
1837. Karim SM: Letter: Intrauterine prostaglandins for outpatient termination of very early pregnancy. Lancet 2:794, 6 Oct 73
*ABORTION, INDUCED/ FEMALE/ HUMAN/ MENSTRUATION/ METHODS/ PREGNANCY/ PREGNANCY TESTS/ *PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ UTERUS/ VOMITING, chemically induced
1838. Karlberg BE: Thyroid nodule autonomy: its demonstration by the thyrotrophin releasing hormone (TRH) stimulation test. Acta Endocrinol (Khh) 73:689-99, Aug 73
*ADENOMA, diagnosis/ ADENOMA, metabolism/ ADULT/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES/ IODINE RADIOISOTOPES/ METHODS/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ THYROID GLAND, metabolism/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, metabolism/ *THYROTROPIN, metabolism/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood/ *THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism
1839. Karolczyk-Kostuch S, Zubek M: Znaczenie rozerwania wiązań dwusłarczkowych w procesie inaktywacji enzymów i hormonów pod wpływem promieniowania ultrafioletowego. Postepy Biochem 19:471-82, 1973 (Pol)
CYSTINE, radiation effects/ ELECTRON SPIN RESONANCE/ ENZYME ACTIVATION/ *ENZYMES/ FREE RADICALS/ *HORMONES/ HYDROGEN-ION CONCENTRATION/ MODELS, CHEMICAL/ PHOTIC STIMULATION/ SULFHYDRYL COMPOUNDS, metabolism/ *ULTRAVIOLET RAYS
1840. Karppanen HO, Westermann E: Increased production of cyclic AMP in gastric tissue by stimulation of histamine2 (H2)-receptors. Naunyn Schmiedebergs Arch Pharmacol 279:83-7, 24 Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, hlosynthesis/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CLONIDINE, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/

AUTHOR SECTION

- DOSE-RESPONSE RELATIONSHIP, DRUG/
*GASTRIC MUCOSA, drug effects/ GASTRIC
MUCOSA, secretion/ GUINEA PIGS/
*HISTAMINE, pharmacodynamics/
IMIDAZOLES, pharmacodynamics/ IN VITRO/
MALE/ RATS/ *RECEPTORS, DRUG, drug
effects/ THEOPHYLLINE, pharmacodynamics/
THIOUREA, pharmacodynamics
1841. Kartun P, Bardet A, Duprey J, et al: Etude des
intervalles systoliques chez les hyperthyroïdiens sans
complications cardiaques.
Arch Mal Coeur '88:877-89, Jul 73 (Fre)
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ ENGLISH ABSTRACT/ FEMALE/
*HEART, physiology/ HEART FUNCTION
TESTS/ HEART RATE/ HUMAN/
HYPERTHYROIDISM, complications/
*HYPERTHYROIDISM, physiology/
HYPERTHYROIDISM, therapy/ MALE/
MIDDLE AGE/ PHONOCARDIOGRAPHY/
PROGNOSIS/ SEX FACTORS/ TACHYCARDIA,
etiology
1842. Kasal M, Miyamoto H: Depolarization induced calcium
release from sarcoplasmic reticulum membrane
fragments by changing ionic environment.
FEBS Lett 34:299-301, 15 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ CHLORIDES,
pharmacodynamics/ CHOLINE,
pharmacodynamics/ COMPARATIVE STUDY/
KINETICS/ MEMBRANES, drug effects/
MEMBRANES, metabolism/
METHANESULFONATES, pharmacodynamics/
POTASSIUM, pharmacodynamics/ POTASSIUM
CHLORIDE, pharmacodynamics/ RABBITS/
SARCOPLASMIC RETICULUM, drug effects/
*SARCOPLASMIC RETICULUM, metabolism/
SODIUM CHLORIDE, pharmacodynamics/
SUCROSE, pharmacodynamics/ SULFATES,
pharmacodynamics/ TIME FACTORS/ WATER
1843. Kasavina BS, Vinetskaya MI, Filina AA, et al:
Kompleksnoe biokhimicheskoe issledovanie
obmennyykh protsessov u bol'nykh glaukomoj.
Vestn Oftalmol 5:15-9, 1972 (Rus)
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ ENGLISH ABSTRACT/ *GLAUCOMA,
metabolism/ *GLUCOCORTICOIDS, metabolism/
HUMAN/ MIDDLE AGE/
*MUCOPOLYSACCHARIDES, metabolism/
*THYROID HORMONES, metabolism
1844. Kase N: Induction of ovulation with clomiphene
citrate. Clin Obstet Gynecol 16:192-200, Sep 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ CLOMIPHENE, administration
& dosage/ CLOMIPHENE, adverse effects/
*CLOMIPHENE, pharmacodynamics/
CLOMIPHENE, therapeutic use/ CORPUS
LUTEUM, physiology/ ESTRADIOL, blood/
FEMALE/ FSH, blood/ GONADOTROPINS,
CHORIONIC, therapeutic use/ HUMAN/
HYPOTHALAMUS, drug effects/ LH, blood/
MEDROXYPROGESTERONE, diagnostic use/
MENOTROPINS, therapeutic use/
MENSTRUATION DISORDERS, drug therapy/
OVARY, physiology/ OVARY, surgery/
*OVULATION, drug effects/ PITUITARY
GLAND, physiology/ PITUITARY HORMONE
RELEASING HORMONES, physiology/
PREGNANCY/ PREGNANCY, MULTIPLE/
STERILITY, FEMALE, drug therapy
1845. Kassirer JP: Editorial: Hyperphosphatemia,
hyperparathyroidism and bighead.
N Engl J Med 289:1367-8, 20 Dec 73
ANIMAL EXPERIMENTS/ BONE DISEASES,
etiology/ BONE RESORPTION, etiology/
CALCIUM, metabolism/ CAT DISEASES/
CATS/ DIET/ GLOMERULAR FILTRATION
RATE/ HORSE DISEASES/ HORSES/ HUMAN/
HYPERPARATHYROIDISM, therapy/
*HYPERPARATHYROIDISM, SECONDARY,
etiology/ HYPERPARATHYROIDISM,
SECONDARY, veterinary/ *HYPOCALCEMIA,
etiology/ HYPOCALCEMIA, therapy/ KIDNEY
FAILURE, CHRONIC, complications/ KIDNEY
- FAILURE, CHRONIC, physiology/
LEUKEMIA, complications/ *PHOSPHATES,
blood/ PHOSPHATES, metabolism/ TETANY,
therapy
1846. Katag'ozuv I, Shchurkalev I: Estriolovo lechenie pri
naruchten vlatishchen biokhimizm.
Akush Ginekol (Sofia) 12:243-9, 1973 (Bul)
COLPOSCOPY/ ENGLISH ABSTRACT/
*ESTRIOL, therapeutic use/ FEMALE/
HUMAN/ HYDROGEN-ION CONCENTRATION/
MONILIASIS, VULVOVAGINAL, diagnosis/
TRICHOMONAS VAGINITIS, diagnosis/
*TRICHOMONAS VAGINITIS, drug therapy/
*VAGINA, microbiology/ VAGINA, physiology/
VAGINAL SMEARS
1847. Kato J: [Interaction of hormone with its receptors
(author's transl)]
Protein Nucleic Acid Enzyme (Tokyo) 18:618-30, Jun
73 (153 ref.) (Jap)
ANDROGENS, metabolism/ ANIMAL
EXPERIMENTS/ BRAIN, metabolism/ CELL
NUCLEUS, analysis/ CHROMATIN, metabolism/
ESTRADIOL, metabolism/ *ESTROGENS,
metabolism/ FEEDBACK/ FEMALE/ GENES/
GENETICS, BIOCHEMICAL/ HUMAN/ IN
VITRO/ MODELS, BIOLOGICAL/ ORGAN
SPECIFICITY/ PROGESTERONE, metabolism/
RATS/ *RECEPTORS, HORMONE/ REVIEW/
SOLUBILITY/ SPECIES SPECIFICITY/
TRITIUM/ UTERUS, analysis
1848. Kato Y, Ogo S, Chihara K, et al: [Effects of synthetic
TRH on human prolactin (HPr) secretion]
Folia Endocrinol Jap 49:1215-22, 20 Sep 73 (Jap)
ACROMEGALY, blood/ ADENOMA,
CHROMOPHOBE, blood/ ANOREXIA
NERVOSA, blood/ DIABETES INSIPIDUS,
blood/ ENGLISH ABSTRACT/ FEMALE/
GOATS, immunology/ HUMAN/ IMMUNE
SERUMS/ INJECTIONS, INTRAVENOUS/
IODINE RADIOISOTOPES/ PINEALOMA,
blood/ PITUITARY NEOPLASMS, blood/
PROLACTIN, blood/ *PROLACTIN, secretion/
RABBITS, immunology/
RADIOIMMUNOASSAY/ SHEEHAN'S
SYNDROME, blood/ THYROTROPIN
RELEASING HORMONE, administration &
dosage/ *THYROTROPIN RELEASING
HORMONE, pharmacodynamics
1849. Katzenellenbogen JA, Johnson HJ Jr, Carlson KE
Studies on the uterine, cytoplasmic estrogen binding
protein. Thermal stability and ligand dissociation
rate. An assay of empty and filled sites by exchange
Biochemistry 12:4092-9, 9 Oct 73
ANIMAL EXPERIMENTS/ ANISOLES,
metabolism/ BINDING SITES/ CARBON
RADIOISOTOPES/ CENTRIFUGATION,
DENSITY GRADIENT/ CYTOPLASM,
metabolism/ CYTOSOL, metabolism/
DIETHYLSTILBESTROL, metabolism/ DRUG
STABILITY/ ESTRADIOL, antagonists &
inhibitors/ *ESTRADIOL, metabolism/
FEMALE/ HEXESTROL, metabolism/
LIGANDS/ NAFOXIDINE, metabolism/
*PROTEIN BINDING/ PROTEINS, metabolism/
PYRROLIDINES, metabolism/ RATS/
STYRENES, metabolism/ TEMPERATURE/
*UTERUS, metabolism
1850. Katzenellenbogen JA, Johnson HJ Jr, Myers HD
Photoaffinity labels for estrogen binding proteins in
rat uterus. Biochemistry 12:4085-92, 9 Oct 73
ANIMAL EXPERIMENTS/ AZIDES/ AZO
COMPOUNDS/ BINDING, COMPETITIVE/
DRUG STABILITY/ ESTRADIOL, metabolism/
*ESTROGENS, metabolism/ ESTRONE,
metabolism/ FEMALE/ HEXESTROL,
metabolism/ LIGANDS/ PHOTOCHEMISTRY/
*PROTEIN BINDING/ RATS/
STRUCTURE-ACTIVITY RELATIONSHIP/
TRITIUM/ *UTERUS, metabolism
1851. Katzung BG, Reuter H, Porzig H: Lanthanum inhibits
Ca inward current but not Na-Ca exchange in cardiac
muscle. Experientia 29:1073-5, 15 Sep 73
*ACTION POTENTIALS, drug effects/
ANIMAL EXPERIMENTS/ BIOLOGICAL

AUTHOR SECTION

- TRANSPORT, ACTIVE, drug effects/
*CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ GUINEA PIGS/ KINETICS/
*LANTHANUM, pharmacodynamics/
*MYOCARDIUM, metabolism/ SHEEP/
*SODIUM, metabolism/ SWINE
2. Kaufman M, Pinsky L: Letter: Skin biopsy site and biology of fibroblast strains.
Lancet 2:1202-3, 24 Nov 73
*BIOPSY/ CELL ADHESION/ CELLS,
CULTURED/ CYTOLOGICAL TECHNIQS/
*FIBROBLASTS/ HUMAN/ METHODS/ SEX
FACTORS/ *SKIN, cytology/ TESTOSTERONE,
metabolism
3. Kaufman MH: Analysis of the first cleavage division to determine the sex-ratio and incidence of chromosome anomalies at conception in the mouse.
J Reprod Fertil 35:67-72, Oct 73
ANEUPLOIDY/ ANIMAL EXPERIMENTS/
*CHROMOSOME ABERRATIONS/ DIPLOIDY/
FEMALE/ *FERTILIZATION/
GONADOTROPINS, EQUINE,
pharmacodynamics/ KARYOTYPING/ MALE/
MICE/ MITOSIS/ OVULATION/ *OVUM,
cytology/ SEX CHROMOSOMES/ *SEX RATIO/
TIME FACTORS
4. Kay S, Hume DM: Carcinoma of the parathyroid gland. How reliable are the clinical and histologic features?
Arch Pathol 96:316-9, Nov 73
*ADENOMA, diagnosis/ ADENOMA, pathology/
ADENOMA, surgery/ ADULT/ DIAGNOSIS,
DIFFERENTIAL/ FEMALE/ HUMAN/
*HYPERPARATHYROIDISM, diagnosis/
HYPERPLASIA/ MALE/ MIDDLE AGE/
PARATHYROID GLANDS, pathology/
*PARATHYROID NEOPLASMS, diagnosis/
PARATHYROID NEOPLASMS, pathology/
PARATHYROID NEOPLASMS, surgery/
THYROID GLAND, pathology
5. Kavanja FI, Blankenship LH: The ovary of the giraffe, Giraffa camelopardalis.
J Reprod Fertil 34:305-13, Aug 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
*ARTIODACTYLA, anatomy & histology/
BIOMETRY/ BODY WEIGHT/ CELL
NUCLEUS/ CORPUS LUTEUM/
ENDOPLASMIC RETICULUM/ FEMALE/
GRAAFIAN FOLLICLE, growth &
development/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ ORGAN WEIGHT/ *OVARY,
anatomy & histology/ OVARY, cytology/
OVARY, embryology/ OVUM/ PREGNANCY/
PUBERTY
6. Kazeev KN, Kertsman GI, Siavina LS, et al: Izmenenie EKG pri provedenii diagnosticheskoi proby s gistaminom u bol'nykh gipertoniei i feokhromotsitomoi.
Probl Endokrinol (Mosk) 19:28-30, Sep-Oct 73 (Rus)
ADULT/ *ELECTROCARDIOGRAPHY/
ENGLISH ABSTRACT/ FEMALE/
*HISTAMINE, diagnostic use/ HUMAN/
*HYPERTENSION, diagnosis/ HYPERTENSION,
physiopathology/ MALE/
*PHEOCHROMOCYTOMA, diagnosis/
PHEOCHROMOCYTOMA, physiopathology
7. Keating JP, Weissbluth M, Ratzan SK, et al: Familial sarcoidosis. Am J Dis Child 128:644-7, Nov 73
ADULT/ BIOPSY/ CHILD/ FEMALE/
HEPATOMEGALY, complications/ HUMAN/
ISONIAZID, therapeutic use/ LIVER,
pathology/ LYMPH NODES, pathology/ MALE/
PREDNISONE, therapeutic use/ SARCOIDOSIS,
diagnosis/ SARCOIDOSIS, drug therapy/
*SARCOIDOSIS, familial & genetic/
SARCOIDOSIS, pathology/ SPLENOMEGALY,
complications
8. Kędracki A, Słowińska R, Słowiński S: Podostre nieropne zapalenie gruczołu tarczowego (choroba de Quervaina. Przegl Lek 30:690-2, 1973 (Pol)
ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ FEMALE/ HUMAN/
RECOVERY/ SEX FACTORS
- *THYROIDITIS, diagnosis/ THYROIDITIS, drug
therapy
1859. Keeler C: Mosaic cell lines, or leucocyte culturing anomalies? J Hered 64:167-8, May-Jun 73
ADOLESCENCE/ ADULT/ CHROMOSOME
ABNORMALITIES, diagnosis/ CHROMOSOMES,
HUMAN, 21-22/ FEMALE/ HUMAN/
*KARYOTYPING/ *LEUKOCYTES, cytology/
*MOAICISM/ SEX CHROMOSOMES/
TURNER'S SYNDROME, diagnosis
1860. Keenan BS, Beltins IZ, Lee PA, et al: Estimation of ACTH reserve on normal and hypopituitary subjects: comparison of oral and intravenous metyrapone with insulin hypoglycemia.
J Clin Endocrinol Metab 37:540-9, Oct 73
ADOLESCENCE/ CHILD/ CORTICOTROPIN,
metabolism/ FSH, blood/ HUMAN/
*HYDROCORTISONE, blood/
17-HYDROXYCORTICOSTEROIDS, urine/
*HYPOPITUITARISM, blood/ INSULIN,
diagnostic use/ LH, blood/ *METYRAPONE,
administration & dosage/ METYRAPONE,
diagnostic use/ PITUITARY-ADRENAL
SYSTEM/ SOMATOTROPIN, blood/
THYROXINE, blood/ TIME FACTORS/
TRITIUM
1861. Kehayoglou K, Hadziyannis S, Kostamls P, et al: The effect of medium-chain triglyceride on 47 calcium absorption in patients with primary biliary cirrhosis.
Gut 14:853-6, Aug 73
ALKALINE PHOSPHATASE, blood/
BILIRUBIN/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ FEMALE/
HUMAN/ *INTESTINAL ABSORPTION/
*LIVER CIRRHOSIS, OBSTRUCTIVE,
metabolism/ LIVER CIRRHOSIS,
OBSTRUCTIVE, therapy/ MIDDLE AGE/
PHOSPHATES, blood/ *TRIGLYCERIDES,
therapeutic use
1862. Kelghtley DD, Okey AB: Effects of dimethylbenz(a)anthracene and dihydrotestosterone on estradiol-17 beta binding in rat mammary cytosol fraction. Cancer Res 33:2637-42, Nov 73
*BENZANTHRACENES, pharmacodynamics/
BINDING, COMPETITIVE/ BINDING SITES/
*BREAST, metabolism/ *CYTOSOL,
metabolism/ *ESTRADIOL, metabolism/
FEMALE/ IN VITRO/ LACTATION/ RATS/
*RECEPTORS, HORMONE/ *STANOLONE,
pharmacodynamics/ TRITIUM
1863. Kelrns JJ, Carritt B, Freeman J, et al: Adenosine 3',5' cyclic monophosphate in Euglena gracilis.
Life Sci 13:287-302, 16 Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENYL CYCLASE,
metabolism/ ALLOXAN, pharmacodynamics/
AMINOBUTYRIC ACID, pharmacodynamics/
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CHLOROPLASTS,
metabolism/ COMPARATIVE STUDY/
DOPAMINE, pharmacodynamics/
EPINEPHRINE, pharmacodynamics/ EUGLENA
GRACILIS, drug effects/ EUGLENA
GRACILIS, enzymology/ *EUGLENA
GRACILIS, metabolism/ FLUORIDES,
pharmacodynamics/ HYDROGEN-ION
CONCENTRATION/ NOREPINEPHRINE,
pharmacodynamics/ PHOSPHODIESTERASES,
metabolism/ PHOSPHORUS RADIOISOTOPES/
PROSTAGLANDINS, pharmacodynamics/
PROTEIN KINASE, metabolism/ RNA,
biosynthesis/ SEROTONIN, pharmacodynamics/
TRITIUM
1864. Kelrse MJ, Turnbull AC: E prostaglandins in amniotic fluid during late pregnancy and labour.
J Obstet Gynaecol Br Commonw 80:970-3, Nov 73
*AMNIOTIC FLUID, analysis/
ANENCEPHALUS/ CERVIX UTERI/
CHROMATOGRAPHY, GAS/ FEMALE/
HUMAN/ INFANT, NEWBORN/ *LABOR/
OXYTOCIN/ PREGNANCY/ *PREGNANCY/
*PROSTAGLANDINS, analysis

AUTHOR SECTION

1865. Kelalis PP, Malek RS, Segura JW: Observations on renal ectopia and fusion in children.
J Urol 110:588-92, Nov 73
ABNORMALITIES, MULTIPLE/
ADOLESCENCE/ ANUS, IMPERFORATE,
complications/ BONE AND BONES,
abnormalities/ CHILD/ CHILD, PRESCHOOL/
DIAPHRAGMATIC HERNIA, congenital/
FEMALE/ HEART DEFECTS, CONGENITAL,
complications/ HUMAN/ INFANT/ *KIDNEY,
abnormalities/ KIDNEY, radiography/ MALE/
URINARY TRACT INFECTIONS, etiology/
UROGRAPHY/ VESICO-URETERAL REFLUX,
congenital/ VESICO-URETERAL REFLUX,
radiography
1866. Keller HH, Bartholini G, Pletscher A: Increase of 3-methoxy-4-hydroxyphenylethylene glycol in rat brain by neuroleptic drugs.
Eur J Pharmacol 23:183-6, Aug 73
ANIMAL EXPERIMENTS/ *BRAIN
CHEMISTRY, drug effects/
CHLORPROMAZINE, pharmacodynamics/
COMPARATIVE STUDY/ DIBENZAZEPINES,
pharmacodynamics/ DIBENZOTHIOPINS,
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metabolism/ PIMOZIDE, pharmacodynamics/
PIPERAZINES, pharmacodynamics/ RATS/
SULFIDES, pharmacodynamics/
THIORIDAZINE, pharmacodynamics/
*TRANQUILIZING AGENTS, pharmacodynamics
1867. Kellermann G, Shaw CR, Luyten-Kellerman M: Aryl hydrocarbon hydroxylase inducibility and bronchogenic carcinoma.
N Engl J Med 289:934-7, 1 Nov 73
ADENOCARCINOMA, enzymology/ ADULT/
AGED/ BENZANTHRACENES, metabolism/
*CARCINOMA, BRONCHOGENIC, chemically
induced/ CARCINOMA, BRONCHOGENIC,
enzymology/ CARCINOMA, BRONCHOGENIC,
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HUMAN/ *HYDROXYLASES, biosynthesis/
HYDROXYLASES, blood/ HYDROXYLASES,
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*LUNG NEOPLASMS, chemically induced/
LUNG NEOPLASMS, enzymology/ LUNG
NEOPLASMS, etiology/ LUNG NEOPLASMS,
familial & genetic/ MALE/
METHYLCHOLANTHRENE, metabolism/
MIDDLE AGE/ PHENOTYPE/ POLYCYCLIC
COMPOUNDS/ SMOKING, complications/
VARIATION (GENETICS)
1868. Kelley JM, Adamson RH: A comparison of common interatomic distances in serotonin and some hallucinogenic drugs. Pharmacology 10:28-31, 1973
BINDING SITES/ *HALLUCINOGENS/
MODELS, STRUCTURAL/ MOLECULAR
CONFORMATION/ QUANTUM THEORY/
RECEPTORS, DRUG/ *SEROTONIN
1869. Kello D, Kostlal K: The effect of milk diet on lead metabolism in rats. Environ Res 6:355-60, Sep 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ BODY WEIGHT/ CALCIUM,
DIETARY/ DIETARY CARBOHYDRATES/
DIETARY FATS/ DIETARY PROTEINS/
FEMALE/ HUMAN/ INJECTIONS,
INTRAPERITONEAL/ INTESTINAL
ABSORPTION, drug effects/ IRON/ LEAD,
administration & dosage/ *LEAD, metabolism/
LEAD POISONING, prevention & control/
*MILK, metabolism/ PHOSPHORUS/
RADIOISOTOPES, administration & dosage/
RATS/ STIMULATION, CHEMICAL/ VITAMIN
D
1870. Kelly LA, Butcher RW: The effects of delta 1-tetrahydrocannabinol on cyclic AMP levels in WI-38 fibroblasts. Biochim Biophys Acta 320:540-4, 14 Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ *CANNABIS,
pharmacodynamics/ CELL LINE/
CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/ DIPLOIDY/
EPINEPHRINE, antagonists & inhibitors/
EPINEPHRINE, pharmacodynamics/
FIBROBLASTS, drug effects/ FIBROBLASTS,
metabolism/ HUMAN/ LUNG, drug effects/
LUNG, metabolism/ PROSTAGLANDINS,
antagonists & inhibitors/ PROSTAGLANDINS,
pharmacodynamics/
TETRAHYDROCANNABINOL,
pharmacodynamics/ TIME FACTORS/ TRITIUM
1871. Kelly WG, Rosner W: Inability of the testosterone-estrogen-binding globulin to catalyze the oxidation or reduction of steroids in the presence of pyridine nucleotides.
J Clin Endocrinol Metab 37:981-3, Dec 73
ANDROSTENEDIONE, metabolism/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY/
*ESTRADIOL, metabolism/ HYDROXYSTEROID
DEHYDROGENASES, analysis/
OXIDATION-REDUCTION/
OXIDOREDUCTASES, analysis/ *SERUM
GLOBULINS, metabolism/ *TESTOSTERONE,
metabolism/ TRITIUM
1872. Kelman L, Saunders SJ, Wicht S, et al: The effects of perfusion, amino acids and hormones on the free and endoplasmic reticulum-bound ribosomes of rat liver.
S Afr Med J 47:1751-3, 29 Sep 73
ALBUMINS, biosynthesis/ *AMINO ACIDS,
pharmacodynamics/ ANIMAL EXPERIMENTS/
CENTRIFUGATION, DENSITY GRADIENT/
CORTISONE, pharmacodynamics/
*ENDOPLASMIC RETICULUM/ FASTING/
GASTRIN, pharmacodynamics/ GLUCAGON,
pharmacodynamics/ GLUCOSE,
pharmacodynamics/ *HORMONES,
pharmacodynamics/ INSULIN,
pharmacodynamics/ *LIVER, cytology/ LIVER,
drug effects/ LIVER, metabolism/ MALE/
PANCREOZYMIN, pharmacodynamics/
*PERFUSION/ RATS/ *RIBOSOMES, drug
effects/ SECRETIN, pharmacodynamics/
SOMATOTROPIN, pharmacodynamics/
SUCROSE/ TESTOSTERONE,
pharmacodynamics
1873. Kelsey JH: Ocular complications in rheumatic disorders.
Rheumatol Phys Med 12:22-31, Feb 73 (52 ref)
ARTHRITIS, RHEUMATOID, complications/
CATARACT, chemically induced/
CHLOROQUINE, adverse effects/
CONJUNCTIVITIS, etiology/ *EYE DISEASES,
etiology/ GLAUCOMA, chemically induced/
HUMAN/ IRITIS, complications/
KERATOCONJUNCTIVITIS, etiology/ RETINA
DISEASES, chemically induced/ REVIEW/
*RHEUMATISM, complications/ SCLERA/
STERIODS, adverse effects
1874. Kember NF: Aspects of the maturation process growth cartilage in the rat tibia.
Clin Orthop 95:288-94, Sep 73
AGE FACTORS/ *AGING/ ANIMAL
EXPERIMENTS/ CALCIFICATION/
PHYSIOLOGIC/ CARTILAGE, blood supply/
*CARTILAGE, growth & development/
EPIPHYSES, blood supply/ EPIPHYSES,
cytology/ KINETICS/ MALE/ RATS/ *TIBIA,
growth & development
1875. Kemble ED: Wood-gnawing in rats following cortical olfactory bulb or limbic lesions.
Physiol Behav 11:735-8, Nov 73
AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BODY
WEIGHT/ *CEREBRAL CORTEX, physiology/
EATING/ FRONTAL LOBE, physiology/
*LIMBIC SYSTEM, physiology/ MALE/
*OLFACTORY BULB, physiology/ RATS/
STEREOTAXIC TECHNIQUES/ WOOD
1876. Kemlinger K: Iatrogenic Strumen.
Verh Dtsch Ges Kreislaufforsch 56:373-6, 1972 (Ge
ADOLESCENCE/ ADULT/ ENGLISH

AUTHOR SECTION

- ABSTRACT/ FEMALE/ *GOITER, chemically induced/ HUMAN/ IATROGENIC DISEASE/ MALE/ *THYROID ANTAGONISTS, adverse effects/ THYROID ANTAGONISTS, metabolism/ THYROID GLAND, metabolism
877. Kemp RG, Huang YC, Duquesnoy RJ: Decreased epinephrine response of adenylate cyclase activity of lymphoid cells from immunodeficient pituitary dwarf mice. *J Immunol* 111:1855-61, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *DWARFISM, PITUITARY, metabolism/ *EPINEPHRINE, pharmacodynamics/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ LIVER, cytology/ *LYMPHOCYTES, enzymology/ MICE/ PHOSPHORUS RADIOISOTOPES/ SPLEEN, cytology/ THYMUS GLAND, cytology
878. Kendall AG, Ojwang PJ, Schroeder WA, et al: Hemoglobin Kenya, the product of a gamma-beta fusion gene: studies of the family. *Am J Hum Genet* 25:548-63, Sept 73
ADULT/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CROSSING OVER (GENETICS)/ ELECTROPHORESIS, STARCH GEL/ FANCONI SYNDROME, blood/ FEMALE/ FETAL HEMOGLOBIN, analysis/ GENES/ GENETICS, HUMAN/ HEMOGLOBIN S, analysis/ *HEMOGLOBINS, ABNORMAL, analysis/ HETEROZYGOSE/ HUMAN/ INFANT/ KENYA/ MALE/ PEDIGREE
879. Kendle KE, Lazarus A, Rowe FP, et al: Sterilization of rodent and other pests using a synthetic oestrogen. *Nature* 244:105-8, 13 Jul 73
ANIMAL EXPERIMENTS/ APPETITE, drug effects/ BODY WEIGHT/ *CHEMOSTERILANTS, pharmacodynamics/ COMPARATIVE STUDY/ CYCLOPENTANE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRANES, pharmacodynamics/ ETHERS, pharmacodynamics/ FEEDING BEHAVIOR, drug effects/ FEMALE/ FERTILITY, drug effects/ LIFE EXPECTANCY/ MALE/ *PEST CONTROL, BIOLOGICAL/ *PIGEONS/ POPULATION/ PREGNANCY/ *RATS/ *RODENT CONTROL/ *STERILIZATION, SEXUAL
880. Kendysh IN: Villanle gidrokortizona na vkluchenie metkl iz glitana-1-C 14 v glikogen pecheni i vydykhaemulu uglekislota. *Probl Endokrinol (Mosk)* 19:79-82, Sep-Oct 73 (Rus)
ANIMAL EXPERIMENTS/ *CARBON DIOXIDE, metabolism/ CARBON RADIOISOTOPES/ ENGLISH ABSTRACT/ GLUCONEOGENESIS/ *GLYCINE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ *LIVER GLYCOGEN, metabolism/ MALE/ RATS
881. Kennedy GL Jr, Frawley JP, Calandra JC: Multigeneration reproductive effects of three pesticides in rats. *Toxicol Appl Pharmacol* 25:589-96, Aug 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ CHOLESTEROL, blood/ FEMALE/ FERTILITY, drug effects/ *HERBICIDES, pharmacodynamics/ *INSECTICIDES, ORGANOCHLORINE, pharmacodynamics/ *INSECTICIDES, ORGANTHIOPHOSPHATE, pharmacodynamics/ LACTATION, drug effects/ LIVER, drug effects/ MALE/ ORGAN WEIGHT/ PREGNANCY, ANIMAL, drug effects/ RATS/ *REPRODUCTION, drug effects/ SEX FACTORS/ TOXAPHENE, pharmacodynamics
882. Kennedy JF, Gray CJ, Ramanvongse S, et al: Chemico-biological relationships of follicle stimulating hormone-releasing hormone and luteinizing hormone-releasing hormone. *Life Sci* 12:533-44, 15 Jun 73
ACETYLATION/ ANHYDRIDES/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ ETHERS/ FORMIC ACIDS/ HISTIDINE/ HYPOTHALAMUS/ IN VITRO/ LH-FSH RELEASING HORMONE, analysis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ *LH-FSH RELEASING HORMONE, physiology/ MALEATES/ METHYLENE BLUE/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ PHOTOCHEMISTRY/ PITUITARY GLAND, drug effects/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE/ TRYPTOPHAN
1883. Kennedy JF, Tun HC: Use of cellulose carbonate for the preparation of immunosorbents: the radioimmunoassay of follicle-stimulating hormone. *Carbohydr Res* 30:11-9, Sep 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CARBONATES/ CATTLE/ *CELLULOSE/ CHEMISTRY/ FSH/ *FSH, analysis/ FSH, blood/ HUMAN/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ KINETICS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN/ SOLUBILITY/ SPECIES SPECIFICITY
1884. Kennedy MC, Posner E: Treatment of asthma with beclomethasone dipropionate aerosol (preliminary observations). *Bull Physiother Resplr (Nancy)* 9:816-9, May-Jun 73
ADOLESCENCE/ ADULT/ AEROSOLS/ AGED/ *ASTHMA, drug therapy/ BECLOMETHASONE, therapeutic use/ CLINICAL RESEARCH/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE
1885. Kenny FM, Angsusingha K, Stinson D, et al: Unconjugated estrogens in the perinatal period. *Pediatr Res* 7:826-31, Oct 73
ADRENAL GLANDS, abnormalities/ AGE FACTORS/ ANENCEPHALUS, blood/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ MALE/ *MATERNAL-FETAL EXCHANGE/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ UMBILICAL ARTERIES/ UMBILICAL VEINS/ VEINS
1886. Kent J: Some effects of steroids on the immature mouse ovary in vitro. *J Reprod Fertil* 34:297-303, Aug 73
ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, growth & development/ HYDROXYPREGNENOLONE, pharmacodynamics/ HYDROXYPROGESTERONE, pharmacodynamics/ MICE/ MITOSIS, drug effects/ *OVARY, drug effects/ OVARY, metabolism/ PREGNENOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ *STEROIDS, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TISSUE CULTURE/ TRITIUM
1887. Kerby IJ: Letter: An antibacterial gel for use with vaginal radium applicators. *Lancet* 2:1340, 8 Dec 73
ALCOHOL, METHYL, administration & dosage/ *ANTI-INFECTIVE AGENTS, LOCAL, administration & dosage/ GELS, administration & dosage/ *RADIUM, administration & dosage/ *THIOUREA, administration & dosage/ *VAGINA
1888. Kerkhoven P, Briner J, Blumberg A: Nephrotisches Syndrom als Erstmanifestation maligner Lymphome. *Schweiz Med Wochenschr* 103:1704-9, 1 Dec 73 (Ger)

AUTHOR SECTION

- ADULT/ AGED/ BLOOD PROTEINS, analysis/
CYCLOPHOSPHAMIDE, therapeutic use/
DIAGNOSIS, DIFFERENTIAL/ ENGLISH
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NEOPLASMS, diagnosis/ *LEUKEMIA,
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SYNDROME, drug therapy/ PREDNISOLONE,
therapeutic use/ PROTEINURIA/ RENAL
VEINS/ THROMBOPHLEBITIS, diagnosis/
TIME FACTORS/ VINCRISTINE, therapeutic
use
1889. Kerkof PR, Boschwitz D, Gorbman A: The response of
hagfish thyroid tissue to thyroid inhibitors and to
mammalian thyroid-stimulating hormone.
Gen Comp Endocrinol 21:231-40, Oct 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, PAPER/
*CYCLOSTOMES/ DIIODOTYROSINE,
metabolism/ FEMALE/ IODINE
RADIOISOTOPES/ IODOTYROSINE,
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ANTAGONISTS, pharmacodynamics/ *THYROID
GLAND, drug effects/ THYROID GLAND,
metabolism/ *THYROTROPIN,
pharmacodynamics/ THYROXINE, metabolism/
TIME FACTORS
1890. Kerr JF, Searle J: Deletion of cells by apoptosis during
castration-induced involution of the rat prostate.
Virchows Arch [Zellpathol] 13:87-102, 25 Jun 73
ANIMAL EXPERIMENTS/ ATROPHY/
*CASTRATION/ *EPITHELIAL CELLS/
ESTRADIOL, pharmacodynamics/
MACROPHAGES/ MALE/ MICROSCOPY,
ELECTRON/ NECROSIS/ ORGAN WEIGHT/
PROSTATE, anatomy & histology/ PROSTATE,
drug effects/ *PROSTATE, pathology/ RATS
1891. Kesäniemi YA: Effect of ethanol on the rate of
elimination of galactose in women during the
puerperium. Ann Clin Res 5:101-3, Apr 73
ADMINISTRATION, ORAL/ ADULT/
*ALCOHOL, ETHYL, pharmacodynamics/
DEPRESSION, CHEMICAL/ FEMALE/
GALACTOSE, administration & dosage/
GALACTOSE, diagnostic use/ *GALACTOSE,
metabolism/ GALACTOSEMIA/ HUMAN/
LACTATION/ PREGNANCY/ *PUERPERIUM/
TIME FACTORS
1892. Kessar SV, Parkash N, Joshi GS: Azasteroids. X.
Synthesis of
3,4-dihydro-8-methoxybenzo(c)-phenanthridin-
1(2H)-one. J Chem Soc [Perkin I] 11:1158-60, 1973
*AZA COMPOUNDS, chem synthesis/
HYDROXYLATION/ METHODS/
*PHENANTHRIDINES, chem synthesis/
*STERIODS, chem synthesis
1893. Keynes M, Hockaday TD: Letter: Ectopic production of
calcitonin. Lancet 2:1090, 10 Nov 73
ADRENAL GLANDS, metabolism/ ADRENAL
GLANDS, surgery/ BONE NEOPLASMS,
etiology/ BRONCHIAL NEOPLASMS, blood/
BRONCHIAL NEOPLASMS, complications/
BRONCHIAL NEOPLASMS, metabolism/
*CALCITONIN, biosynthesis/ CALCITONIN,
blood/ CALCIUM, blood/ CALCIUM,
metabolism/ *HORMONES, ECTOPIC/ HUMAN/
HYPOCALCEMIA, etiology/ NEOPLASM
METASTASIS
1894. Khalid BA, Cauchi MN: Letter: Immunoglobulin
deposits on thyroid-cell surface in Graves' disease.
Lancet 2:1090, 10 Nov 73
ANTIBODIES, analysis/ *CELL MEMBRANE,
immunology/ FLUORESCENT ANTIBODY
TECHNIC/ GOITER, EXOPHTHALMIC,
diagnosis/ *GOITER, EXOPHTHALMIC,
immunology/ HUMAN/ *IGG, analysis/
IMMUNE SERUMS/ THYROID GLAND,
cytology/ *THYROID GLAND, immunology
1895. Khalifa MC, Badrawy R, Fahmy SA, et al: Osteomata of
the frontal bone. J Laryngol Otol 87:965-77, Oct 73
ADULT/ EXOPHTHALMOS, etiology/
FEMALE/ *FRONTAL BONE, pathology/
HEADACHE, etiology/ HUMAN/ MALE/
MIDDLE AGE/ OSTEOMA, complications/
*OSTEOMA, pathology/ OSTEOMA, radiography
1896. Khaw JH, Datuk Omar bin Din: Localised gigantism of
the extremities. Med J Malaysia 27:292-8, Jun 73
ADOLESCENCE/ AGED/ CHILD/
*EXTREMITIES/ FEMALE/ *GIGANTISM,
radiography/ HUMAN/ MALE
1897. Khlystov VA, Mazov FA: O soderzhanii mineral'nykh
veshchestv v kostnoi tkani pri siringomieli
(rentgenofotometricheskoe issledovanie)
Zh Nevropatol Psikhiatr 73:838-40, 1973 (Rus)
ADULT/ AGED/ *BONE AND BONES,
analysis/ *CALCIUM, analysis/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
MIDDLE AGE/ *PHOSPHORUS, analysis/
PHOTOMETRY/ *SYRINGOMYELIA,
metabolism/ SYRINGOMYELIA, radiography
1898. Khmelko AG: Soderzhanie nukleinovyykh kislot v
serdechnoi i skeletnoi myshtsakh pri izmenennoy
funktsii nadpocheknikov.
Vrach Delo 6:47-9, Jun 73 (Rus)
ADRENAL GLANDS, metabolism/ *ADRENAL
GLANDS, physiology/ ADRENALECTOMY/
ANIMAL EXPERIMENTS/ *DNA, metabolism/
ENGLISH ABSTRACT/ *MUSCLES,
metabolism/ *MYOCARDIUM, metabolism/
RABBITS/ *RNA, metabolism
1899. Khomitskaya LF: Glukokortikoidnaya funktsiya
nadpocheknikov vo vremia udalenia opukholei
bol'shikh poolusharii golovnogo mozga.
Vopr Nefrokhir 36:27-32, Sep-Oct 72 (Rus)
*ADRENAL GLANDS, physiology/
ADULT/ ASTROCYTOMA, physiology/
*ASTROCYTOMA, surgery/ BRAIN
NEOPLASMS, blood/ BRAIN NEOPLASMS,
physiology/ *BRAIN NEOPLASMS,
surgery/ CORTICOTROPIN, diagnostic use/
ENGLISH ABSTRACT/ FEMALE/
GLIOBLASTOMA MULTIFORME,
physiology/ *GLIOBLASTOMA
MULTIFORME, surgery/ HUMAN/
*17-HYDROXYCORTICOSTEROIDS, blood/
MALE/ MENINGIOMA, physiology/
*MENINGIOMA, surgery/ MIDDLE AGE/
OLIGODENDROGLIOMA, physiology/
*OLIGODENDROGLIOMA, surgery/ SARCOMA,
physiology/ *SARCOMA, surgery
1900. Khoo SK, Mackay EV: Carcinoembryonic antigen in
cancer of the female reproductive system: its
detection in serum by a microradiolimmunoassay.
Aust NZ J Obstet Gynaecol 13:107-13, May 73
ADENOCARCINOMA, immunology/
ADOLESCENCE/ ADULT/ *ANTIGENS,
NEOPLASM/ *BREAST NEOPLASMS,
immunology/ CARCINOEMBRYONIC ANTIGEN/
CARCINOMA, EPIDERMAL, immunology/
CARCINOMA IN SITU, immunology/
NEOPLASMS, immunology/ FEMALE/
GASTROINTESTINAL NEOPLASMS,
immunology/ GOATS, immunology/
GYNECOLOGIC DISEASES, immunology/
*GYNECOLOGIC NEOPLASMS, immunology/
HUMAN/ IODINE ISOTOPES/ NEOPLASM
METASTASIS/ OVARIAN NEOPLASMS,
immunology/ RADIOIMMUNOASSAY/
UTERINE NEOPLASMS, immunology/
VULVAR NEOPLASMS, immunology
1901. Khosla MC, Hall MM, Smeby RR, et al: Solid-phase
synthesis of
(3-proline,8-isoleucine)-(1-sarcosine,3-proline,8-
isoleucine)-, and
(4-phenylalanine,8-isoleucine)angiotensin II as the
antagonists of the parent hormone.
J Med Chem 16:1184-5, Oct 73
ANGIOTENSIN II, antagonists & inhibitors/
*ANGIOTENSIN II, chem synthesis/
ANGIOTENSIN II, pharmacodynamics/
ANIMAL EXPERIMENTS/ AORTA, drug
effects/ CHROMATOGRAPHY, THIN LAYER/

AUTHOR SECTION

- IN VITRO/ MUSCLE CONTRACTION, drug effects/ PEPTIDES, chem synthesis/ PEPTIDES, pharmacodynamics/ PROTEIN BINDING, drug effects/ PROTEIN CONFORMATION/ RABBITS/ RECEPTORS, HORMONE, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP
1902. Khudr G, Benirschke K, Judd HL, et al: Y to X translocation in a woman with reproductive failure. A new rearrangement. JAMA 226:544-9, 29 Oct 73
*ABORTION, HABITUAL, familial & genetic/ ADULT/ BIOPSY/ BODY HEIGHT/ *CHROMOSOME ABERRATIONS/ DERMATOGlyphics/ FEMALE/ HUMAN/ KARYOTYPING/ MICROSCOPY, FLUORESCENCE/ OVARY, pathology/ PEDIGREE/ PHENOTYPE/ PREGNANCY/ PROLACTIN, blood/ *SEX CHROMOSOMES/ STAINS AND STAINING/ THYROTROPIN, blood
1903. Kiddy CA, Rollins RM: Infertility in female guinea pigs injected with testis. Biol Reprod 8:545-9, Jun 73
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ EMBRYO, immunology/ ESTRUS/ FEMALE/ FERTILIZATION/ *FETAL DEATH/ GERM CELLS/ GESTATIONAL AGE/ GUINEA PIGS/ INJECTIONS, INTRADERMAL/ OVULATION/ *STERILITY, FEMALE, immunology/ *TESTIS, transplantation/ UTERUS, immunology
1904. Kienzie F, Holland GW, Jernow JL, et al: Letter: A versatile prostaglandin synthesis. Use of a carboxy-inversion reaction. J Org Chem 38:3440-2, 21 Sep 73
CYCLIZATION/ *PROSTAGLANDINS, chem synthesis
1905. Kier LB: Chlorpromazine and serotonin: conformational similarities correlating with activities. J Theor Biol 40:211-7, 15 Aug 73
*CHLORPROMAZINE/ DOPAMINE/ HALOPERIDOL/ MODELS, CHEMICAL/ *MOLECULAR CONFORMATION/ *SEROTONIN
1906. Kierniesky NC, Gerall AA: Effects of testosterone propionate implants in the brain on the sexual behavior and peripheral tissue of the male rat. Physiol Behav 11:633-40, Nov 73
ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ CASTRATION/ CAUDATE NUCLEUS, drug effects/ COITUS/ CORPUS STRIATUM, drug effects/ EJACULATION, drug effects/ EPITHELIUM, drug effects/ FEMALE/ HYPOTHALAMUS, drug effects/ INFANT/ MALE/ ORGAN WEIGHT/ PENIS, anatomy & histology/ *PENIS, drug effects/ RATS/ RETICULAR FORMATION, drug effects/ SEMINAL VESICLES, anatomy & histology/ *SEMINAL VESICLES, drug effects/ *SEX BEHAVIOR, ANIMAL, drug effects/ SUBSTANTIA NIGRA, drug effects/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics
1907. Kieseewetter WB, Kalayoglu M, Sachs B: The effect of abnormal position, scrotal repositioning, and human gonadotropic hormone on the developing puppy testis. J Pediatr Surg 8:739-46, Oct 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOPSY/ CRYPTORCHISM, surgery/ DOGS/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ ORGAN WEIGHT/ *SCROTUM/ TESTIS, drug effects/ *TESTIS, growth & development/ TESTIS, pathology/ TESTIS, surgery
1908. Kikuchi H: [Hypophysectomy in acromegaly, with special reference to cases associated with severe diabetes] Jap J Clin Med 31:2271-5, Jul 73 (Jap)
ACROMEGALY, complications/ ACROMEGALY, therapy/ ADULT/ *DIABETES MELLITUS, complications/ HUMAN/ *HYPOPHYSECTOMY/ MALE/ MIDDLE AGE
1909. Kim YS: Density effect in dE-dx of fast charged particles traversing various biological materials. Radiat Res 56:21-7, Oct 73
ADIPOSE TISSUE, radiation effects/ ANIMAL EXPERIMENTS/ BONE AND BONES, radiation effects/ CATS/ CATTLE/ ELECTRONS/ HUMAN/ LENS, CRYSTALLINE, radiation effects/ LIVER, radiation effects/ MUSCLES, radiation effects/ *RADIATION EFFECTS/ *RADIOMETRY/ RATS
1910. Kimble JE, Mollgård K: Evidence for basal secretion in the subcommissural organ of the adult rabbit. Z Zellforsch Mikrosk Anat 142:223-39, 1973
ANIMAL EXPERIMENTS/ AXONS/ CAPILLARIES/ CELLULAR INCLUSIONS/ CILIA/ CRYSTALLIZATION/ CYTOPLASMIC GRANULES/ DENDRITES/ ENDOPLASMIC RETICULUM/ ENDOTHELIUM, cytology/ EXTRACELLULAR SPACE/ GOLGI APPARATUS/ LIPIDS/ MALE/ MESENCEPHALON, cytology/ *MESENCEPHALON, secretion/ MICROSCOPY, ELECTRON/ MUSCLE, SMOOTH, cytology/ PINEAL BODY/ PINOCYTOSIS/ *RABBITS, physiology/ RIBOSOMES/ SYNAPSES, cytology
1911. Kimbrough RD, Gaines TB: The chronic toxicity of hexamethylphosphoramide in rats. Bull Environ Contam Toxicol 10:225-6, Oct 73
ANIMAL EXPERIMENTS/ ARTERITIS, chemically induced/ *CHEMOSTERILANTS, toxicity/ DIMETHYLAMINES, toxicity/ KIDNEY DISEASES, chemically induced/ LUNG DISEASES, chemically induced/ MALE/ NEOPLASMS, chemically induced/ *ORGANOPHOSPHORUS COMPOUNDS, toxicity/ RATS/ RATS, INBRED STRAINS/ REPRODUCTION, drug effects/ TESTIS, drug effects/ TIME FACTORS
1912. King GJ, Macpherson JW: Fertility of beef cows treated during estrus with human chorionic gonadotrophin. Can Vet J 14:221-2, Sep 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ ESTRUS/ FEMALE/ *FERTILITY, drug effects/ *GONADOTROPINS, CHORIONIC, pharmacodynamics
1913. Kingsley TR, Bogdanove EM: Direct feedback of androgens: localized effects of intrapituitary implants of androgens on gonadotrophic cells and hormone stores. Endocrinology 93:1398-409, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL DIFFERENTIATION, drug effects/ CHOLESTEROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ FSH, blood/ *FSH, metabolism/ LH, blood/ *LH, metabolism/ MALE/ *NORMETHANDROLONE, pharmacodynamics/ ORGAN WEIGHT/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, metabolism/ PROGESTERONE, pharmacodynamics/ PROSTATE, anatomy & histology/ RADIOIMMUNOASSAY/ RATS/ SEMINAL VESICLES, anatomy & histology/ *STANOLONE, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics/ VAGINA, drug effects
1914. Kinser J, Rösler H: Die Radiojodtherapie des Toxischen Adenoms der Schilddrüse. Ther Umsch 30:726-33, Oct 73 (Ger)
ADENOMA, complications/ *ADENOMA, radiotherapy/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, etiology/ *IODINE RADIOISOTOPES, therapeutic use/ RADIOTHERAPY DOSAGE/ SWITZERLAND/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, radiotherapy
1915. Kinsman RA, O'Banion K, Resnikoff P, et al: Subjective symptoms of acute asthma within a heterogeneous sample of asthmatics. J Allergy Clin Immunol 52:284-96, Nov 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *AIRWAY OBSTRUCTION, etiology/ *ANGER/ *ASTHMA, complications/ ASTHMA, drug therapy/ CARBON DIOXIDE, blood/ *FATIGUE, MENTAL/ *FEAR/ FEMALE/ GLUCOCORTICIDS, therapeutic use/

AUTHOR SECTION

- HUMAN/ *HYPERVENTILATION, etiology/
MALE/ MIDDLE AGE/ SELF CONCEPT/ SEX
FACTORS
1916. Kinson GA, MacDonald NE, Liu CC: The effects of melatonin and serotonin on blood flow fraction and testosterone metabolism in selected organs of the male rat. *Can J Physiol Pharmacol* 51:313-8, May 73
ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, metabolism/ ANDROSTENEDIONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARDIAC OUTPUT, drug effects/ CORTICOSTERONE, blood/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ KIDNEY, blood supply/ KIDNEY, enzymology/ KIDNEY, metabolism/ LIVER, blood supply/ LIVER, enzymology/ LIVER, metabolism/ MALE/ *MELATONIN, pharmacodynamics/ MYOCARDIUM, metabolism/ RADIOISOTOPES/ RATS/ *REGIONAL BLOOD FLOW, drug effects/ RUBIDIUM, metabolism/ *SEROTONIN, pharmacodynamics/ TESTIS, blood supply/ TESTIS, metabolism/ *TESTOSTERONE, metabolism
1917. Kinzie JL, Ferrendelli JA, Alpers DH: Adenosine cyclic 3':5'-monophosphate-mediated transport of neutral and dibasic amino acids in jejunal mucosa. *J Biol Chem* 248:7018-24, 25 Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
*AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CARBON RADIOISOTOPES/ CHOLERA/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FEMALE/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ ILEUM, drug effects/ ILEUM, metabolism/ INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, metabolism/ JEJUNUM, drug effects/ *JEJUNUM, metabolism/ LEUCINE, antagonists & inhibitors/ LEUCINE, metabolism/ LYSINE, antagonists & inhibitors/ LYSINE, metabolism/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ THEOPHYLLINE, pharmacodynamics/ TOXINS, pharmacodynamics/ TRITIUM
1918. Kloes C: Reflections on the Lugol treatment of Graves' disease. *Bull Soc Sci Med Grand Duche Luxemb* 110:33-42, Jun 73
*GOITER, EXOPHTHALMIC, drug therapy/
HUMAN/ *IODINE, therapeutic use
1919. Kirchner M, Holsen H, Norpoth K: Fluoreszenzspektroskopische Bestimmung ovulationsbestimmender Steroide aus Wasser und Abwässern auf der DC-Platte. *Zentralbl Bakteriol [Orig B]* 157:44-52, Apr 73 (Ger)
CHROMATOGRAPHY, THIN LAYER/
*CONTRACEPTIVES, ORAL, analysis/
ENGLISH ABSTRACT/ FLUOROMETRY/
MEGESTROL, analysis/ METHODS/ *SEWAGE, analysis/ SOLUBILITY/ SOLUTIONS/
*SPECTROPHOTOMETRY/ *WATER, analysis
1920. Kirkby RJ, Petchkovsky L: Chronic administration of cocaine: effects on defaecation and adrenal hypertrophy in the rat. *Neuropharmacology* 12:1001-3, Oct 73
ADRENAL GLAND HYPERFUNCTION, chemically induced/ *ADRENAL GLAND HYPERFUNCTION, metabolism/ ADRENAL GLAND HYPERFUNCTION, pathology/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ COCAINE/ *COCAINE, pharmacodynamics/ *DEFECATION, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPERTROPHY, chemically induced/ MALE/ RATS
1921. Kirkegaard C, Lauridsen UB, Nerup J: Letter: Lithium and the thyroid. *Lancet* 2:1210, 24 Nov 73
CARBONATES, pharmacodynamics/ HUMAN/ LITHIUM, administration & dosage/ LITHIUM, blood/ *LITHIUM, pharmacodynamics/
RADIOIMMUNOASSAY/ *THYROID GLAND, drug effects/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROTROPIN, secretion/ THYROTROPIN RELEASING HORMONE, pharmacodynamics
1922. Kirpatovskii ID, Smirnova ED: Transplantatsiya organov na melkikh laboratornykh zhivotnykh. *Vestn Akad Med Nauk SSSR* 28:89-93, 1973 (44 ref.) (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HEART, transplantation/
*KIDNEY, transplantation/ *LIVER, transplantation/ *LUNG, transplantation/
MALE/ MONKEYS/ RABBITS/ RATS/
REVIEW/ *SPLEEN, transplantation/ *TESTIS, transplantation/ TRANSPLANTATION, HOMOLOGOUS
1923. Kirsch W, Berberich R, Glöbel B, et al: Intrathyreoidaler Jodumsatz und biologische Halbwertszeit von T4 bei Kindern. *Monatsschr Kinderheilkd* 121:408-9, Jul 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ HALF-LIFE/ HUMAN/ INFANT/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ *THYROID GLAND, metabolism/ *THYROXINE, metabolism
1924. Kirsner AB, Hess EV, Fowler NO: Immunologic findings in idiopathic cardiomyopathy: a prospective serial study. *Am Heart J* 86:625-30, Nov 73
ADULT/ AGGLUTINATION TESTS/
ALCOHOLISM, complications/
ANTI-ANTIBODIES, analysis/ ANTIBODIES, analysis/ ANTINUCLEAR FACTORS, analysis/ ANTISTREPTOLYSIN, analysis/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD PROTEIN ELECTROPHORESIS/ COMPLEMENT, analysis/ CREATINE KINASE, blood/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ IMMUNOGLOBULINS, analysis/ LACTATE DEHYDROGENASE, blood/ LATEX FIXATION TESTS/ MALE/ MICROSOMES, immunology/ *MYOCARDIAL DISEASES, PRIMARY, immunology/ MYOCARDIUM, immunology/ PROSPECTIVE STUDIES/ RHEUMATOID FACTOR, analysis/ THYROID GLAND, immunology
1925. Kishimoto T, Maekawa M, Abe Y, et al: Intrarenal distribution of blood flow and renin release during renal venous pressure elevation. *Kidney Int* 4:259-66, Oct 73
ANIMAL EXPERIMENTS/ AORTA, physiology/
BIOLOGICAL ASSAY/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE/
CATHETERIZATION/ DOGS/ GLOMERULAR FILTRATION RATE/ *HEMODYNAMICS/
IODINE RADIOISOTOPES/ IOTHALAMIC ACID, diagnostic use/ *KIDNEY, blood supply/ RADIOIMMUNOASSAY/
REGIONAL BLOOD FLOW/ *RENAL VEINS, physiology/ *RENIN, secretion/ SECRETORY RATE/ *VENOUS PRESSURE/ XENON, diagnostic use
1926. Kissel P, André JM, André M: Coexistence dans la même famille d'un syndrome de Sjögren-Larsson et d'un syndrome de Rud. *J Genet Hum* 21:15-22, Mar 73 (Fre)
ADULT/ *AUTOSOME ABNORMALITIES, complications/ BRAIN, radiography/
ELECTROENCEPHALOGRAPHY/
ELECTROMYOGRAPHY/ *EPILEPSY, familial & genetic/ FEMALE/ HUMAN/ *ICHTHYOSIS, congenital/ INFANT, NEWBORN/
*INFANTILISM, familial & genetic/ MALE/ *MENTAL RETARDATION, familial & genetic/
*PARALYSIS, SPASTIC, complications/
PEDIGREE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PREGNANCY, MULTIPLE/ RETINITIS PIGMENTOSA, complications/
SYNDROME/ TWINS
1927. Kistner RW: The use of clomiphene citrate in the treatment of anovulation. *Semin Drug Treat* 3:159-76, Autumn 73 (25 ref.)

AUTHOR SECTION

- AMENORRHEA, drug therapy/ CARBON RADIOISOTOPES/ CLOMIPHENE, adverse effects/ CLOMIPHENE, pharmacodynamics/ *CLOMIPHENE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, pharmacodynamics/ FEMALE/ GONADOTROPINS, pharmacodynamics/ HUMAN/ HYPERPLASIA, chemically induced/ KIDNEY FUNCTION TESTS/ LIVER FUNCTION TESTS/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ REVIEW/ SHEEHAN'S SYNDROME, drug therapy/ STEIN-LEVENTHAL SYNDROME, drug therapy/ *STERILITY, FEMALE, drug therapy/ STEROIDS, pharmacodynamics/ TIME FACTORS
28. Kistner W: The infertile woman. Am J Nurs 73:1937-43, Nov 73
CERVIX INCOMPETENCE, therapy/ CLOMIPHENE, pharmacodynamics/ ENDOMETRIOSIS, therapy/ FALLOPIAN TUBES, surgery/ FEMALE/ GYNECOLOGIC DISEASES, complications/ HUMAN/ MENOTROPINS, pharmacodynamics/ OVARIAN DISEASES, therapy/ OVULATION, drug effects/ STERILITY, FEMALE, etiology/ *STERILITY, FEMALE, therapy/ UTERINE NEOPLASMS, surgery
29. Kittok RJ, Britt JH, Convey EM: Endocrine response after GnRH in luteal phase cows and cows with ovarian follicular cysts. J Anim Sci 37:985-9, Oct 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CATTLE DISEASES, drug therapy/ *CATTLE DISEASES, physiopathology/ *CORPUS LUTEUM, physiology/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *LH, blood/ OVARIAN CYSTS, drug therapy/ OVARIAN CYSTS, physiopathology/ *OVARIAN CYSTS, veterinary/ PITUITARY HORMONE RELEASING HORMONES, administration & dosage/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ PITUITARY HORMONE RELEASING HORMONES, therapeutic use/ PROGESTERONE, blood
30. Kluchukov MT, Kolosova OA: O psikbo-vegetativnykh vzaimootnosheniyakh pri patologii nekotorykh zven'ev limbiko-retikularnogo kompleksa. Zb Nevropatol Psikhiatr 73:252-6, 1973 (Rus)
ADOLESCENCE/ ADULT/ *AUTONOMIC NERVOUS SYSTEM, physiopathology/ *BRAIN DISEASES, physiopathology/ ENGLISH ABSTRACT/ EPINEPHRINE, diagnostic use/ FEMALE/ GALVANIC SKIN RESPONSE/ HUMAN/ *HYPOTHALAMUS/ *LIMBIC SYSTEM, physiopathology/ MALE/ MIDDLE AGE/ MMPI/ *NEURASTHENIA, physiopathology/ PERSONALITY/ RORSCHACH TEST/ *TEMPORAL LOBE
31. Klutukchlev B, Vlasova D: Rezerpinov efekt vurkhu kruconosnito sudove na matka na kastriran plukh, tretiran s 17-betaestradiol. Akush Ginekoi (Sofia) 12:187-91, 1973 (Bul)
ANIMAL EXPERIMENTS/ CASTRATION/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ FEMALE/ RATS/ RECEPTORS, NEURAL, drug effects/ *RESERPINE, pharmacodynamics/ *UTERUS, blood supply/ VASOCONSTRICTOR AGENTS, pharmacodynamics/ *VASOMOTOR SYSTEM, drug effects
32. Klapp F, Baldauf G, Braun JS, et al: Nachweis von Trimethoprim in gesundem und entzündetem Knochengewebe. Med Welt 24:944-5, 1 Jun 73 (Ger)
*BONE AND BONES, analysis/ CHRONIC DISEASE/ HUMAN/ OSTEOMYELITIS, metabolism/ *TRIMETHOPRIM, analysis/ TRIMETHOPRIM, blood
33. Klavins JV, Wessely Z: Patterns of incorporation of thymidine in the female genital and other organs of mice, treated with 20-methylcholanthrene, estradiol and ovariectomy. Oncology 27:502-19, 1973
AMYLOIDOSIS, chemically induced/ ANIMAL EXPERIMENTS/ *CARCINOMA, EPIDERMAL, chemically induced/ *CARCINOMA, EPIDERMAL, metabolism/ *CASTRATION/ CELL NUCLEUS, metabolism/ *ESTRADIOL/ FEMALE/ *GYNECOLOGIC NEOPLASMS, chemically induced/ GYNECOLOGIC NEOPLASMS, metabolism/ HYPERPLASIA, chemically induced/ HYPERPLASIA, metabolism/ LIVER, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ *METHYLCHOLANTHRENE/ MICE/ MICE, INBRED C3H/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, metabolism/ OVARY/ *THYMIDINE, metabolism/ TRITIUM
34. Klawans HL Jr, Goetz C, Weiner WJ: 5-Hydroxytryptophan-induced myoclonus in guinea pigs and the possible role of serotonin in infantile myoclonus. Neurology (Minneapolis) 23:1234-40, Nov 73
ANIMAL EXPERIMENTS/ CHLORPROMAZINE, pharmacodynamics/ GUINEA PIGS/ *HYDROXYTRYPTOPHAN/ HYDROXYTRYPTOPHAN, administration & dosage/ HYDROXYTRYPTOPHAN, antagonists & inhibitors/ INJECTIONS, SUBCUTANEOUS/ MALE/ METHYLERGIDE, pharmacodynamics/ *MYOCLONUS, chemically induced/ MYOCLONUS, etiology/ MYOCLONUS, metabolism/ NEURAL TRANSMISSION/ NEUROHUMORS, metabolism/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SCOPOLAMINE, pharmacodynamics/ *SEROTONIN
35. Klein G, Fellner S: Klinische Erfahrungen mit Realin (Oxyphenbutazon und Prednisolon) bei progredient chronischer Polyarthrit. Z Rheumaforsch 32:302-5, Jul-Aug 73 (Ger)
ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, drug therapy/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OXYPHENBUTAZONE, administration & dosage/ OXYPHENBUTAZONE, adverse effects/ *OXYPHENBUTAZONE, therapeutic use/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, adverse effects/ *PREDNISOLONE, therapeutic use/ TIME FACTORS
36. Kleinert HE, Serafin D, Kutz JE, et al: Reimplantation of amputated digits and hands. Orthop Clin North Am 4:957-67, Oct 73
*AMPUTATION, TRAUMATIC, surgery/ BONE AND BONES, surgery/ *FINGER INJURIES, surgery/ FINGERS, blood supply/ FINGERS, surgery/ HAND, surgery/ *HAND INJURIES, surgery/ HUMAN/ METHODS/ MICROSURGERY/ *REIMPLANTATION/ TENDONS, surgery
37. Klemencic J, Kraus R, Kratz R, et al: Die Rachitislunge. Experimentelle Untersuchungen an Rattenlungen. Radiologe 13:220-3, May 73 (Ger)
ANIMAL EXPERIMENTS/ HINDLIMB, radiography/ LUNG, pathology/ LUNG, radiography/ *LUNG DISEASES, etiology/ RATS/ *RICKETS, complications/ RICKETS, pathology/ RICKETS, radiography/ STERNUM, radiography
38. Klenarová V, Hynle S: Cyklický AMP a některá onemocnění. Cas Lek Cesk 112:1057-62, 31 Jul 73 (Cze)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ASTHMA, metabolism/ CHOLERA, metabolism/ DIABETES MELLITUS, metabolism/ ENGLISH ABSTRACT/ FROGS/ HEART FAILURE, CONGESTIVE, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ NEOPLASMS, metabolism/ PSEUDOHYPOPARATHYROIDISM, metabolism
39. Klimaszewski J, Reklewska B, Kacuba-Uściłko H: A

AUTHOR SECTION

- modification of radiocompetitive binding technique for serial measurements of total blood thyroxine level. *Acta Physiol Pol* 24:877-84, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/
ION EXCHANGE RESINS/ METHODS/
PROTEIN BINDING/ SEASONS/ SHEEP/
*THYROXINE, blood
1940. Klotz HP, Raymond JP, Beaufrs F, et al: Adipsie et syndrome de Korsakoff après intervention hypothalamohypophysaire pour cranioharyngiome. Obésité et ostéonécrose fémorale post-opératoire. *Ann Endocrinol (Paris)* 34:158-63, Mar-Apr 73 (Fre)
ADULT/ AMNESIA, etiology/ ANOREXIA
NERVOSA, diagnosis/ *BRAIN NEOPLASMS, surgery/ CHLORPROPAMIDE, therapeutic use/
CRANIOPHARYNGIOMA, diagnosis/
*CRANIOPHARYNGIOMA, surgery/ DIABETES INSIPIDUS, drug therapy/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *FEMUR HEAD NECROSIS, etiology/ HUMAN/ HYDROCORTISONE, therapeutic use/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, surgery/ HYPOTHYROIDISM, complications/
*KORSAKOFF'S SYNDROME, etiology/
*OBESITY, etiology/ PITUITARY HORMONES, POSTERIOR, therapeutic use/
POSTOPERATIVE COMPLICATIONS/ *THIRST
1941. Klumpp F, Klaus D, Rössler R, et al: Reninaktivität im Nierenvenenblut und ihre Stimulierbarkeit durch Hydralazin und Theophyllin. *Klin Wochenschr* 51:875-82, 1 Sep 73 (Ger)
BLOOD PRESSURE/ CHEMORECEPTORS, physiopathology/ ENGLISH ABSTRACT/
HUMAN/ *HYDRALAZINE, pharmacodynamics/
*HYPERTENSION, blood/ HYPERTENSION, RENAL, blood/ JUXTAGLOMERULAR APPARATUS, drug effects/
PRESSORECEPTORS, physiopathology/ RENAL VEINS/ *RENIN, blood/ SODIUM, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics
1942. Knightly JJ, Swaminathan AP, Rush BJ Jr: Management of penetrating wounds of the neck. *Am J Surg* 126:575-80, Oct 73
ADOLESCENCE/ ADULT/ AGED/ ARTERIES, injuries/ CHILD/ FEMALE/ HUMAN/ HYOID BONE, injuries/ LARYNX, injuries/ LUNG, injuries/ MALE/ MIDDLE AGE/ NECK, blood supply/ *NECK, injuries/ NECK, innervation/
PAROTID GLAND, injuries/ PERIPHERAL NERVES, injuries/ PHARYNX, injuries/
SUBMANDIBULAR GLAND, injuries/
THYROID GLAND, injuries/ TRACHEA, injuries/ VEINS, injuries/ WOUNDS AND INJURIES, surgery/ *WOUNDS, GUNSHOT/
WOUNDS, GUNSHOT, surgery
1943. Knopp J, Fáberová A: Separation of some pituitary proteohormones by disc-electrophoresis. *Endocrinol Exp (Bratisl)* 7:203-6, Sep 73
ANIMAL EXPERIMENTS/ CATTLE/
*CORTICOTROPIN, isolation & purification/
*ELECTROPHORESIS, DISC/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FSH, isolation & purification/ IODINE RADIOISOTOPES/ LH, isolation & purification/ MALE/ METHODS/
PITUITARY GLAND, analysis/ *PITUITARY HORMONES, ANTERIOR, isolation & purification/ RATS/ SOMATOTROPIN, isolation & purification/ THYROTROPIN, isolation & purification
1944. Knorrng J von: Polymyalgia rheumatica and malignant lymphoma. *Scand J Rheumatol* 1:117-20, 1972
AGED/ CASE REPORT/ CELL TRANSFORMATION, NEOPLASTIC/ FEMALE/
HODGKIN'S DISEASE, diagnosis/ HUMAN/
*LYMPHOMA, etiology/ LYMPHOMA, pathology/ *POLYMYALGIA RHEUMATICA, complications/ POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ POLYMYALGIA RHEUMATICA, immunology/ PREDNISOLONE, therapeutic use/ SALICYLATES, therapeutic use/ SYNOVITIS, drug therapy
1945. Knubmann R: Unterschiede zwischen Mutter-Kind- und Vater-Kind-Korrelationen im Hautleistsystem des Menschen. *Humangenetik* 19:145-54, 20 Jul 73 (Ger)
*DERMATOGLYPHICS/ ENGLISH ABSTRACT/
*EXTRACHROMOSOMAL INHERITANCE/
FEMALE/ GERM CELLS/ HUMAN/
ILLEGITIMACY/ MALE/ PATERNITY/ SEX CHROMOSOMES
1946. Kobayashi M, Wakamatsu Y, Yui A, et al: [Influence of adrenalectomy on emotional behavior and brain methamphetamine concentration in rats--effect of chronic administrations of ACTH] *Folia Pharmacol Jap* 69:403-8, May 73 (Jap)
*ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT/ *BRAIN, metabolism/
CORTICOTROPIN, pharmacodynamics/
*EMOTIONS, drug effects/ ENGLISH ABSTRACT/ MALE/ *METHAMPHETAMINE, metabolism/ RATS
1947. Kobayashi R, Hirs CH: The amino acid sequence of ovine pancreatic ribonuclease A. *J Biol Chem* 248:7833-7, 25 Nov 73
ALKYLATION/ AMINO ACID SEQUENCE/
AMINO ACIDS, analysis/
CARBOXYPEPTIDASES/ CATTLE/
CYTOCHROME C/ DISULFIDES/ EVOLUTION/
HORSES/ OXIDATION-REDUCTION/
*PANCREAS, enzymology/ PEPTIDE FRAGMENTS, analysis/ PEPTIDE FRAGMENTS, isolation & purification/ RATS/
*RIBONUCLEASE, analysis/ *SHEEP, metabolism/ SPECIES SPECIFICITY/ SWINE/
THIOCYANATES/ TRYPSIN
1948. Köbberling J, Mühlen A von zur A, Hesch RD: Die diagnostische Bedeutung der freien Harnkorkolide bei Adipositas und bei Störungen der Nebennierenrindenfunktion. *Schweiz Med Wochenschr* 103:1347-54, 29 Sep 73 (Ger)
*ADRENAL GLAND DISEASES, diagnosis/
AMBULATORY CARE/ BODY WEIGHT/
CIRCADIAN RHYTHM/ EVALUATION STUDIES/ FEMALE/ HOSPITALIZATION/
HUMAN/ HYDROCORTISONE, analysis/
HYDROCORTISONE, secretion/
*HYDROCORTISONE, urine/
17-HYDROXYCORTICOSTEROIDS, analysis/
*17-HYDROXYCORTICOSTEROIDS, urine/
KIDNEY FAILURE, CHRONIC, urine/ MALE/
*OBESITY, diagnosis/ PREGNANCY/ PROTEIN BINDING
1949. Koçak N: Die Nierenfunktion beim idiopathischen Diabetes insipidus. *Munch Med Wochenschr* 115:1344-8, 3 Aug 73 (Ger)
ADOLESCENCE/ ADULT/ CHLORIDES, metabolism/ *DIABETES INSIPIDUS, physiopathology/ ENGLISH ABSTRACT/
FEMALE/ GLOMERULAR FILTRATION RATE/ GLUCOSE, metabolism/ HUMAN/
*KIDNEY, physiopathology/ KIDNEY FUNCTION TESTS/ KIDNEY TUBULES, metabolism/ MALE/ MIDDLE AGE/
POTASSIUM, metabolism/ SODIUM, metabolism/ UREA
1950. Koch Y, Zor U, Pomerantz S, et al: Intrinsic stimulator action of follicle-stimulating hormone on ovarian adenylate cyclase. *J Endocrinol* 58:677-8, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENYL CYCLASE, analysis/
ANIMAL EXPERIMENTS/ ANTIBODIES/
ENZYME INDUCTION/ FEMALE/ *FSH, pharmacodynamics/ IN VITRO/ LH, pharmacodynamics/ MALE/ OVARY, drug effects/ *OVARY, enzymology/ SHEEP/
STIMULATION, CHEMICAL/ TESTIS, drug effects/ THYROTROPIN, pharmacodynamics
1951. Koering MJ, Kirton KT: The effects of prostaglandin F alpha on the structure and function of the rabbit ovary. *Biol Reprod* 9:226-45, Oct 73
ANIMAL EXPERIMENTS/ CELLULAR INCLUSIONS/ CORPUS LUTEUM, cytology/
CORPUS LUTEUM, drug effects/

AUTHOR SECTION

- CYTOPLASM/ FEMALE/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, drug effects/ HYDROXYPROGESTERONE, blood/ MICROSCOPY, ELECTRON/ OVARY, anatomy & histology/ OVARY, cytology/ *OVARY, drug effects/ OVARY, physiology/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ TIME FACTORS/ UTERUS, cytology/ UTERUS, drug effects
952. Koering MJ, Wolf EC, Meyer RK: Morphological changes in the corpus luteum correlated with progesterin levels in the rhesus monkey during early pregnancy. *Biol Reprod* 9:254-71, Oct 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE/ CELLULAR INCLUSIONS/ *CORPUS LUTEUM, cytology/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ FEMALE/ HYDROXYPROGESTERONE, blood/ MACACA/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ MONKEYS/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ RIBOSOMES/ TIME FACTORS
953. Kofoed JA: Effects of hypophysectomy on gingival glycosaminoglycans.
J Comp Neurol 52:423-5, May-Jun 73
ANIMAL EXPERIMENTS/ CHONDROITIN, analysis/ *GINGIVA, analysis/ *GLYCOPROTEINS, analysis/ HEPARIN, analysis/ *HYPOPHYSECTOMY/ *MUCOPOLYSACCHARIDES, analysis/ RATS/ SULFATES, analysis/ URONIC ACIDS, analysis
964. Kofránek V, Pařízek O, Machek J, et al: Distribution of 226Ra in the bones of mice.
Acta Radiol [Ther] (Stockh) 12:353-67, Aug 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BONE AND BONES, metabolism/ EPIPHYSES, metabolism/ FEMALE/ FEMUR, metabolism/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ LUMBAR VERTEBRAE, metabolism/ MICE/ RADIUM, administration & dosage/ *RADIUM, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS/ WHOLE BODY COUNTERS
955. Kogut MD: Growth and development in adolescence. *Pediatr Clin North Am* 20:789-806, Nov 73 (111 ref.)
ADOLESCENCE/ *ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ ANDROGENS, therapeutic use/ ANIMAL EXPERIMENTS/ ANOREXIA NERVOSA/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ ENDOCRINE GLANDS, physiology/ FEMALE/ *GROWTH/ GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, etiology/ GROWTH DISORDERS, familial & genetic/ *HORMONES, physiology/ HUMAN/ HYPOPHYSECTOMY, etiology/ HYPOPHYSECTOMY, familial & genetic/ INFANT/ MALE/ PUBERTY/ REVIEW/ SOMATOTROPIN, metabolism
956. Kohler H, Riek M, Studer H: Die Beurteilung der Schilddrüsenfunktion anhand der Konzentration und der Transportverhältnisse der Hormone im Serum. *Ther Umsch* 30:701-7, Oct 73 (Ger)
ENGLISH ABSTRACT/ HUMAN/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, blood/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, biosynthesis/ *THYROID HORMONES, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
957. Kohlhardt M, Haastert HP, Krause H: Evidence of non-specificity of the Ca channel in mammalian myocardial fibre membranes. Substitution of Ca by Sr, Ba or Mg as charge carriers. *Pfluegers Arch* 342:125-36, 17 Aug 73
ANIMAL EXPERIMENTS/ BARIUM, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CATS/ CELL MEMBRANE, drug effects/ HEART VENTRICLE/ IPROVERATRIL, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ *MYOCARDIUM, metabolism/ STRONTIUM, pharmacodynamics
1958. Kolanowski J, Lammerant J: Rate of uptake of endogenous cortisol by the left ventricle of the anaesthetized dog during ventilation with ambient air and during hypoxia.
J Physiol (Lond) 233:519-27, Sep 73
AIR/ ANIMAL EXPERIMENTS/ *ANOXIA, metabolism/ CORONARY CIRCULATION/ CORONARY VESSELS/ DOGS/ HEART VENTRICLE, metabolism/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ MUSCLES, blood supply/ MUSCLES, metabolism/ *MYOCARDIUM, metabolism/ OXYGEN, blood
1959. Kolarov P, Milanov S, Panalotov D, et al: Antigonadotropini i gonadotropini pri nialkol endokinni narusenilia v polovata sfera pri muzha. *Vutr Boles* 12:6-10, 1973 (Bul)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *ANTIBODIES, analysis/ CIRCADIAN RHYTHM/ CRYPTORCHISM, urine/ DIABETES MELLITUS, urine/ ENGLISH ABSTRACT/ *GENITAL DISEASES, MALE, immunology/ GENITAL DISEASES, MALE, urine/ *GONADOTROPINS, urine/ HUMAN/ HYPOGONADISM, urine/ KLINEFELTER'S SYNDROME, urine/ MALE/ MIDDLE AGE
1960. Kolebinov N, Popov NG, Razsolkov M: Lechenie na malignenila ekzoftalm s beta-1-24 kortikotropin. *Vutr Boles* 12:80-5, 1973 (Bul)
ADOLESCENCE/ ADULT/ *CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ MALE/ MIDDLE AGE
1961. Kolesnikova TN: Vilianie fenola na polovoï tsikli zhivotnykh pri khronicheskoi ingallatsionnoi zatravke. *Gig Sanit* 37:105-6, Oct 72 (Rus)
ANIMAL EXPERIMENTS/ ENVIRONMENTAL EXPOSURE/ *ESTRUS, drug effects/ FEMALE/ KIDNEY, drug effects/ LIVER, drug effects/ OVARY, drug effects/ *PHENOLS, pharmacodynamics/ RATS/ TIME FACTORS
1962. Komárková A, Bilyk I: Organic acids and minerals in the bones of lower vertebrates. *Comp Biochem Physiol [B]* 46:37-41, 15 Sep 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ CALCIUM, analysis/ CITRATES, analysis/ COMPARATIVE STUDY/ CYPRINIDAE/ FISHES/ FRESH WATER/ FROGS/ HIBERNATION/ LACTATES, analysis/ LIZARDS/ ORGAN SPECIFICITY/ PHOSPHORUS, analysis/ PYRUVATES, analysis/ RANA TEMPORARIA/ SPECIES SPECIFICITY
1963. Komissarenko IV, Rybakov SI: Nekotorye voprosy khirurgicheskogo lechenia gormonal'noaktivnykh opukholei kory nadpocheknikov. *Klin Khir* 1:41-5, Jan 73 (Rus)
ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLAND HYPERFUNCTION, etiology/ ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, physiopathology/ *ADRENAL GLAND NEOPLASMS, surgery/ ADRENAL GLANDS, physiopathology/ ADULT/ HUMAN/ MIDDLE AGE
1964. Komissarenko VP, Chelnakov IS: Izuchenie sekretsiï al'dosterona u sohak, poluchavshikh o,p'-dikhlordifenildikhloretan (o,p'-DDD. *Probl Endokrinol (Mosk)* 19:72-6, Sep-Oct 73 (Rus)
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ *ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ DDD, administration & dosage/ *DDD, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ SECRETORY RATE, drug effects
1965. Kones KJ: The molecular and ionic basis of altered myocardial contractility. *Res Commun Chem Pathol Pharmacol* 5:1-84, Jan 73

AUTHOR SECTION

- (796 ref.)
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CATECHOLAMINES, physiology/ CHEMISTRY/ DIGITALIS GLYCOSIDES, pharmacodynamics/ ENERGY METABOLISM/ GLUCAGON, physiology/ *HEART, physiology/ HEART FAILURE, CONGESTIVE, enzymology/ HEART VENTRICLE, physiology/ MALE/ MODELS, BIOLOGICAL/ MYOCARDIUM, cytology/ MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ POTASSIUM, metabolism/ RECEPTORS, ADRENERGIC/ REVIEW/ SARCOPLASMIC RETICULUM, metabolism/ SODIUM, metabolism/ THYROID HORMONES, physiology
1966. König MP: Aktuelle Probleme des endemischen Kretinismus.
 Ther Umsch 30:708-11, Oct 73 (Ger)
 CRETINISM, etiology/ *CRETINISM, occurrence/ DISEASE RESERVOIRS/ ECUADOR/ ENGLISH ABSTRACT/ HUMAN/ NEPAL/ NEW GUINEA/ ZAIRE
1967. Konijn TM: The chemotactic effect of cyclic nucleotides with substitutions in the base ring.
 FEBS Lett 34:283-8, 15 Aug 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BENZOATES/ BENZYL COMPOUNDS/ BROMINE/ *CHEMOTAXIS, drug effects/ COMPARATIVE STUDY/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ IMIDAZOLES/ INOSINE NUCLEOTIDES, pharmacodynamics/ MYXOMYCETES, drug effects/ *NUCLEOTIDES, CYCLIC, pharmacodynamics/ PIPERIDINES/ STRUCTURE-ACTIVITY RELATIONSHIP
1968. Kono T: [Serum renin activity and serum angiotensin II-interpretation of the test results]
 Jap J Clin Med 31:1532-8, 1973 (62 ref.) (Jap)
 *ANGIOTENSIN II, blood/ BLOOD VOLUME/ CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ POSTURE/ PREGNANCY/ *RENIN, blood/ REVIEW
1969. Konopka H: Prüfung von Ultralan Kristallsuspension in der orthopädischen Fachpraxis.
 Z Allgemeinmed 49:1008-10, 31 Jul 73 (Ger)
 ADULT/ ARTHRITIS, RHEUMATOID, drug therapy/ CLINICAL RESEARCH/ DRUG EVALUATION/ HUMAN/ JOINT DISEASES, drug therapy/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, therapeutic use/ MIDDLE AGE/ PREGNADIENEDIOLS, administration & dosage/ *PREGNADIENEDIOLS, therapeutic use/ STEROIDS, FLUORINATED, administration & dosage/ STEROIDS, FLUORINATED, therapeutic use/ SUSPENSIONS
1970. Kool KA, Yamada T, Marshall RE: Field studies of monocularly evoked cerebral potentials in bitemporal hemianopsia. Neurology (Minneapolis) 23:1217-25, Nov 73
 *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, physiopathology/ *CEREBRAL CORTEX, physiopathology/ *CRANIOPHARYNGIOMA, diagnosis/ CRANIOPHARYNGIOMA, physiopathology/ DIAGNOSIS, COMPUTER ASSISTED/ ELECTROENCEPHALOGRAPHY/ ELECTRORETINOGRAPHY/ *EVOKED POTENTIALS/ EYE MANIFESTATIONS/ *HEMIANOPSIA, physiopathology/ HUMAN/ MALE/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ PHOTIC STIMULATION/ REACTION TIME/ VISUAL FIELDS
1971. Koopmans-van Dorp B, Goedhart-van Dijk B, Neering H, et al: Treatment of vitiligo by local application of betamethasone 17-valerate in a dimethyl sulfoxide cream base. Dermatologica 146:310-4, 1973
 ADOLESCENCE/ ADULT/ *BETAMETHASONE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DIMETHYL SULFOXIDE/ FEMALE/ HUMAN/ INFANT/ MALE/
- MIDDLE AGE/ OINTMENTS/ *VITILIGO, drug therapy/ VITILIGO, familial & genetic
1972. Koper R: Studies on blood serotonin levels in women after parturition and in newborns.
 Acta Physiol Pol 24:859-65, 1973
 AMINES, analysis/ BLOOD/ FEMALE/ HUMAN/ INDOLES, analysis/ *INFANT, NEWBORN/ MALE/ MATERNAL-FETAL EXCHANGE/ MUSCLE CONTRACTION, drug effects/ PREGNANCY/ *PUERPERIUM/ SEROTONIN, analysis/ *SEROTONIN, blood/ SEROTONIN, pharmacodynamics/ SEROTONIN, physiology/ UMBILICAL CORD
1973. Kopple JD, Coburn JW: Metabolic studies of low protein diets in uremia. II. Calcium, phosphorus and magnesium. Medicine (Baltimore) 52:597-607, Nov 73
 CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY, administration & dosage/ DIET THERAPY/ DIETARY PROTEINS, administration & dosage/ FECES, analysis/ HUMAN/ MAGNESIUM, administration & dosage/ MAGNESIUM, analysis/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ PHOSPHORUS, administration & dosage/ PHOSPHORUS, analysis/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PHOSPHORUS, urine/ *UREMIA, metabolism/ UREMIA, therapy
1974. Korant BD: Cleavage of poliovirus-specific polypeptide aggregates. J Virol 12:556-63, Sep 73
 ACETAMIDES, pharmacodynamics/ CELL-FREE SYSTEM/ CENTRIFUGATION, DENSITY GRADIENT/ DEOXYCHOLIC ACID, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEAT/ HELA CELLS/ HUMAN/ IODINE, pharmacodynamics/ MOLECULAR WEIGHT/ PEPTIDES, analysis/ *PEPTIDES, biosynthesis/ POLIOVIRUS, analysis/ POLIOVIRUS, growth & development/ *POLIOVIRUS, metabolism/ RIBONUCLEASE, pharmacodynamics/ VIRAL PROTEINS, analysis/ *VIRAL PROTEINS, biosynthesis
1975. Korenman SG, Loh PM, Becero J, et al: Long-term culture of differentiated granulosa cells from individual bovine follicles.
 Endocrinology 93:1423-7, Dec 73
 ANIMAL EXPERIMENTS/ CATTLE/ CELL DIFFERENTIATION/ CELLS, CULTURED/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, secretion/ ESTRONE, secretion/ FEMALE/ *OVARY, cytology/ OVARY, secretion/ PROGESTERONE, secretion/ TIME FACTORS
1976. Korevaar WC, Geyer MA, Knapp S, et al: Regional distribution of 5-methyltetrahydrofolic acid in brain.
 Nature [New Biol] 245:244-5, 24 Oct 73
 ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CEREBELLUM, analysis/ CEREBRAL VENTRICLES, analysis/ CORPORA QUADRIGEMINA, analysis/ CORPUS CALLOSUM, analysis/ CORPUS STRIATUM, analysis/ FRONTAL LOBE, analysis/ HIPPOCAMPUS, analysis/ HYPOTHALAMUS, analysis/ MALE/ MESENCEPHALON, analysis/ OCCIPITAL LOBE, analysis/ OLFACTORY BULB, analysis/ PONS, analysis/ RATS/ SEPTAL NUCLEI, analysis/ SPINAL CORD, analysis/ SUBSTANTIA NIGRA, analysis/ *TETRAHYDROFOLATES, analysis
1977. Korinek J, Moses HL: Theophylline suppression of delta-aminolevulinic acid synthetase induction in chick embryo and rat livers.
 Biochem Biophys Res Commun 53:1246-52, 21 Aug 73
 ALLYLISOPROPYLACETAMIDE, pharmacodynamics/ *AMINOLEVULINIC ACID SYNTHETASE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CHICK EMBRYO/ DRUG INTERACTIONS/ ENZYME INDUCTION, drug effects/

AUTHOR SECTION

- ETIOCHOLANOLONE/ HYDROXYSTEROIDS, pharmacodynamics/ IN VITRO/ LIVER, embryology/ LIVER, enzymology/ MALE/ PHENOBARBITAL, pharmacodynamics/ PREGNANEDIONES, pharmacodynamics/ RATS/ *THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ XANTHINES, pharmacodynamics
78. Korkala O, Eränkõ O, Partanen S, et al: Histochemically demonstrable increase in the catecholamine content of the carotid body in adult rats treated with methylprednisolone or hydrocortisone. *Histochem J* 5:479-85, Sep 73
ANIMAL EXPERIMENTS/ CAROTID BODY, cytology/ CAROTID BODY, drug effects/ *CAROTID BODY, metabolism/ *CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ FORMALDEHYDE/ HISTOCYTOCHEMISTRY/ *HYDROCORTISONE, pharmacodynamics/ *METHYLPREDNISOLONE, pharmacodynamics/ MICROSCOPY, FLUORESCENCE/ RATS/ STAINS AND STAINING/ TOLONIUM CHLORIDE
79. Kornegay ET, Meacham TN: Evaluation of supplemental choline for reproducing sows housed in total confinement on concrete or in dirt lots. *J Anim Sci* 37:506-9, Aug 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ ANIMALS, NEWBORN/ BIRTH WEIGHT/ *CHOLINE, metabolism/ CORN/ FEMALE/ FERTILIZATION/ *HOUSING, ANIMAL/ LACTATION/ NUTRITIONAL REQUIREMENTS/ PREGNANCY/ *REPRODUCTION/ SOIL/ SOY BEANS/ *SWINE, metabolism/ WEANING
80. Kornegay ET, Thomas HR, Meacham TN: Evaluation of dietary calcium and phosphorus for reproducing sows housed in total confinement on concrete or in dirt lots. *J Anim Sci* 37:493-500, Aug 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ BODY WEIGHT/ CALCIUM, analysis/ CALCIUM, blood/ *CALCIUM, DIETARY, metabolism/ COMPARATIVE STUDY/ DIET/ FEMALE/ FEMUR, analysis/ FERTILIZATION/ *HOUSING, ANIMAL/ KIDNEY, analysis/ LACTATION/ PHOSPHORUS, analysis/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PREGNANCY/ *REPRODUCTION/ RIBS, analysis/ SOIL/ *SWINE, physiology/ TIBIA, analysis/ WEANING
81. Kornreich H, Koster K, Hanson V: The rheumatic diseases in adolescence. *Pediatr Clin North Am* 20:911-31, Nov 73 (67 ref.)
ADOLESCENCE/ ADOLESCENT PSYCHOLOGY/ ADULT/ ANTIMALARIALS, therapeutic use/ ARTHRITIS, RHEUMATOID, complications/ *ARTHRITIS, RHEUMATOID, diagnosis/ CHILD/ CHILD, PRESCHOOL/ *DERMATOMYOSITIS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ IRIDOCYCLITIS, complications/ KIDNEY DISEASES, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MALE/ PREDNISOLONE, therapeutic use/ REVIEW/ RHEUMATOID FACTOR, analysis/ *SCLERODERMA, SYSTEMIC
82. Korochkina LS, Kiknadze II, Muradov SV: Effect of hormones on puffing in *Chironomus thummi thummi* Kleffer. *Sov J Dev Biol* 3:139-46, Mar-Apr 72
ANIMAL EXPERIMENTS/ *CHROMOSOMES, drug effects/ CHROMOSOMES, metabolism/ *DIPTERA, growth & development/ *ECDYSONE, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ LARVA/ METAMORPHOSIS, BIOLOGICAL/ PUPA/ RNA, biosynthesis/ SALIVARY GLANDS, cytology/ TRITIUM/ URIDINE, metabolism
83. Korte W: Indikation und Praxis intravaginaler Östrogen-Therapie mid Dienoestrol
Ortho-Vaginalcreme.
Fortschr Med 91:Suppl:921-8, 16 Aug 73 (Ger)
ADULT/ AGED/ ALKADIENES, administration & dosage/ CLIMACTERIC/ EPITHELIAL CELLS/ *ESTROGENS, administration & dosage/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ OINTMENTS/ *PHENOLS, administration & dosage/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, drug therapy/ *VAGINAL DISEASES, drug therapy/ VAGINAL DISEASES, pathology/ VAGINAL SMEARS/ VULVOVAGINITIS, drug therapy
1984. Kortling GW: Therapie und Prognose des Lichen ruher mucosae oris. *Hautarzt* 24:367, Aug 73 (Ger)
AGED/ BETAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ *LICHEN PLANUS, drug therapy/ MALE/ NICOTINAMIDE, therapeutic use/ *ORAL MANIFESTATIONS/ PRECANCEROUS CONDITIONS/ PROGNOSIS/ VITAMIN A, therapeutic use
1985. Kosenow W, Heege-Dohr R: Cockayne-Syndrom. Kachektischer Zwergwuchs mit Schwerhörigkeit, Schwachsichtigkeit und Oligophrenie. *Fortschr Med* 91:1257-63, 15 Nov 73 (Ger)
*ABNORMALITIES, MULTIPLE, diagnosis/ CACHEXIA, complications/ CHILD/ CHILD, PRESCHOOL/ *CHROMOSOMES, HUMAN, 6-12/ *DWARFISM, diagnosis/ FEMALE/ FOLLOW-UP STUDIES/ HAND, radiography/ HEARING DISORDERS, complications/ HUMAN/ INFANT/ LEG, radiography/ MENTAL RETARDATION, complications/ PELVIS, radiography/ PHYSICAL EXAMINATION/ SKULL, radiography/ SYNDROME/ *TRISOMY
1986. Koskimies AI, Korman M: The proteins in fluids from the seminiferous tubules and rete testis of the rat. *J Reprod Fertil* 34:433-4, Sep 73
ACID PHOSPHATASE, analysis/ DENSITOMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTERASES, analysis/ MOLECULAR WEIGHT/ *PROTEINS, analysis/ *SEMEN, analysis/ SEMEN, enzymology/ SERUM ALBUMIN, analysis/ SERUM GLOBULINS, analysis/ *TESTIS, analysis
1987. Koslow SH, Green AR: Analysis of pineal and brain indole alkylamines by gas chromatography-mass spectrometry. *Adv Biochem Psychopharmacol* 7:33-43, 1973
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CHROMATOGRAPHY, GAS/ HYPOTHALAMUS, analysis/ *INDOLES, analysis/ MELATONIN, analysis/ *NEUROHUMORS, analysis/ *PINEAL BODY, analysis/ RATS/ SEROTONIN, analysis/ *SPECTRUM ANALYSIS, MASS/ TRYPTAMINES, analysis
1988. Kostial K, Kello D, Harrison GH: Comparative metabolism of lead and calcium in young and adult rats. *Int Arch Arbeitsmed* 31:159-61, 23 May 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ COMPARATIVE STUDY/ FEMALE/ INTESTINAL ABSORPTION/ LEAD, metabolism/ RADIOISOTOPES/ RATS
1989. Kotler MN, Michaelides KM, Bouchard RJ, et al: Myocardial infarction associated with thyrotoxicosis. *Arch Intern Med* 132:723-8, Nov 73
ADULT/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART CATHETERIZATION/ HEART VENTRICLE, physiopathology/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ METHIMAZOLE, therapeutic use/ MITRAL VALVE INSUFFICIENCY, complications/ MYOCARDIAL INFARCT, complications/ *MYOCARDIAL INFARCT, etiology/ MYOCARDIAL INFARCT, physiopathology/ MYOCARDIAL INFARCT, radiography/ PHONOCARDIOGRAPHY
1990. Koullischer L, Schoysman R: Chromosomes et stérilité

AUTHOR SECTION

- masculine.
Schweiz Med Wochenschr 103:1269-77, 15 Sep 73 (Fre)
*CHROMOSOME ABERRATIONS/ ENGLISH
ABSTRACT/ HUMAN/ MALE/ MEIOSIS/
MOSAICISM/ SEX CHROMATIN, analysis/
SEX CHROMOSOME ABNORMALITIES,
diagnosis/ STERILITY, MALE, diagnosis/
*STERILITY, MALE, familial & genetic
1991. Kourides IA, Weintraub BD, Ridgway EC, et al:
Increase in the beta subunit of human TSH in
hypothyroid serum after thyrotropin releasing
hormone. J Clin Endocrinol Metab 37:836-40, Nov 73
CHROMATOGRAPHY, DEAE-CELLULOSE/
GEL FILTRATION/ HUMAN/
*HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ RABBITS, immunology/
*THYROTROPIN, blood/ THYROTROPIN,
diagnostic use/ TIME FACTORS
1992. Koutras DA, Mantzos J, Sfountouris J, et al: A
comparison of the diagnostic value of several tests of
thyroid function.
Nucl Med (Stuttg) 12:107-19, 31 Aug 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/
COMPARATIVE STUDY/ HUMAN/
HYPERTHYROIDISM, diagnosis/
HYPOTHYROIDISM, blood/ IODINE
RADIOISOTOPES/ MIDDLE AGE/
PROTEIN-BOUND IODINE TEST/ *THYROID
GLAND FUNCTION TESTS/ THYROXINE,
blood
1993. Kouwenhoven B, Horst CJ van der: Histological
observations with respect to the immune mechanism
in Elmeria acervulina infection in the domestic fowl.
Z Parasitenkd 42:11-21, 3 Aug 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/
CHICKENS/ COCCIDIOSIS, immunology/
COCCIDIOSIS, pathology/ *COCCIDIOSIS,
veterinary/ CORTISONE/ *EIMERIA/
EPITHELIAL CELLS/ EPITHELIUM/
GLUCOSE/ HYDROGEN-ION
CONCENTRATION/ IMMUNITY, ACTIVE/
INTESTINES/ LACTATES/ MUSCLES/
*POULTRY DISEASES, immunology
1994. Kovacs K: Metastatic cancer of the pituitary gland.
Oncology 27:533-42, 1973
ADENOCARCINOMA, pathology/ AGED/
AUTOPSY/ BREAST NEOPLASMS, pathology/
CARCINOMA, OAT CELL, pathology/
FEMALE/ HUMAN/ LUNG NEOPLASMS,
pathology/ MALE/ MIDDLE AGE/ NEOPLASM
METASTASIS/ ORGAN WEIGHT/
*PITUITARY GLAND, pathology/ PITUITARY
GLAND, POSTERIOR, pathology/ *PITUITARY
NEOPLASMS, pathology
1995. Kövesi G, Bánóczy J: Follow-up studies in oral lichen
planus. Int J Oral Surg 2:13-9, 1973
ADULT/ AGE FACTORS/ AGED/
ELECTROGALVANISM, INTRAORAL/
FEMALE/ FOCAL INFECTION, DENTAL,
complications/ FOCAL INFECTION, DENTAL,
therapy/ FOLLOW-UP STUDIES/ HUMAN/
*LICHEN PLANUS, diagnosis/ LICHEN
PLANUS, etiology/ LICHEN PLANUS,
therapy/ MALE/ MIDDLE AGE/ *MOUTH
DISEASES, diagnosis/ MOUTH DISEASES,
etiology/ SEX FACTORS/ SMOKING,
complications/ STEROIDS, therapeutic use/
STRESS, PSYCHOLOGICAL/ VITAMIN A,
therapeutic use/ VITAMIN B COMPLEX,
therapeutic use
1996. Kowalewski K, Kolodziej A: Effect of L-thyroxine on
secretory response to histamine in ex vivo canine
stomach perfused with homologous blood of
thyroidectomized dog. Am J Dig Dis 18:873-80, Oct 73
ANIMAL EXPERIMENTS/ CHOLESTEROL,
blood/ DOGS/ *GASTRIC JUICE, drug effects/
*HISTAMINE, pharmacodynamics/ HYDROGEN,
analysis/ ORGAN WEIGHT/ OXYGEN
CONSUMPTION, drug effects/ PERFUSION/
PERFUSION, instrumentation/ STIMULATION,
CHEMICAL/ *STOMACH, drug effects/
*THYROID GLAND, physiology/
THYROIDECTOMY/ *THYROXINE,
pharmacodynamics/ TIME FACTORS
1997. Kowarski S, Schachter D: Vitamin D and adenosine
triphosphatase dependent on divalent cations in rat
intestinal mucosa. J Clin Invest 52:2765-73, Nov 73
ADENOSINE TRIPHOSPHATASE, isolation &
purification/ *ADENOSINE TRIPHOSPHATASE,
metabolism/ ANIMAL EXPERIMENTS/
CALCIUM, pharmacodynamics/ CATIONS,
DIVALENT/ DUODENUM, analysis/
DUODENUM, enzymology/ EDTA,
pharmacodynamics/ GLUCOSIDASE, isolation &
purification/ GLUCOSIDASE, metabolism/
INJECTIONS, SUBCUTANEOUS/ INTESTINAL
MUCOSA, analysis/ INTESTINAL MUCOSA,
drug effects/ *INTESTINAL MUCOSA,
enzymology/ MAGNESIUM, pharmacodynamics/
MALE/ PROTEINS, isolation & purification/
RATS/ STARVATION, enzymology/
STIMULATION, CHEMICAL/ SUCRASE,
isolation & purification/ SUCRASE,
metabolism/ VITAMIN D, administration &
dosage/ *VITAMIN D, pharmacodynamics/
VITAMIN D DEFICIENCY, enzymology
1998. Kozhechkin SN, Shmidt I: Mikrolonoforeticheskoe
izuchenie vlianiia serotonin na vyzvannulu
elektricheskuiu aktivnost' neironov zritel'noi kory
krolikov.
Dokl Akad Nauk SSSR 212:258-61, 1 Sep 73 (Rus)
ANIMAL EXPERIMENTS/ EVOKED
POTENTIALS, drug effects/ IONTOPHORESIS/
NEURONS, drug effects/ PHOTIC
STIMULATION/ RABBITS/ *SEROTONIN,
administration & dosage/ *VISUAL CORTEX,
drug effects
1999. Kozlov IuP, Ritov VB, Kagan VE: Transport Ca²⁺ i
svobodnoradikal'noe okslenie lipidov membran
sarkoplazmaticheskogo retikuluma.
Dokl Akad Nauk SSSR 212:1239-42, 11 Oct 73 (Rus)
ADENOSINE TRIPHOSPHATE, metabolism/
ANIMAL EXPERIMENTS/ ASCORBIC ACID,
pharmacodynamics/ BIOLOGICAL
TRANSPORT/ BIOLOGICAL TRANSPORT,
drug effects/ *CALCIUM, metabolism/ FREE
RADICALS/ IN VITRO/ IRON,
pharmacodynamics/ LINOLENIC ACID,
pharmacodynamics/ *LIPIDS, metabolism/
MEMBRANES, metabolism/
OXIDATION-REDUCTION/ PEROXIDES/
RABBITS/ *SARCOPLASMIC RETICULUM,
metabolism
2000. Kozlov NN, Dzhalalov AP: Vlianie mikroelementov na
organizm korov. Veterinariia 9:80-1, Sep 72 (Rus)
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE,
metabolism/ FEMALE/ *LACTATION/
PREGNANCY/ *TRACE ELEMENTS,
metabolism
2001. Kozłowski S, Soltysiak J, Brzezińska Z, et al: Blood
catecholamines and thyroxine in men exposed to high
environmental temperatures.
Acta Physiol Pol 24:517-24, Jul-Aug 73
ADULT/ BODY TEMPERATURE/ BODY
WEIGHT/ ENVIRONMENTAL EXPOSURE/
*EPINEPHRINE, blood/ HEART RATE/
HUMAN/ MUSCLE TONUS/
*NOREPINEPHRINE, blood/ OXYGEN
CONSUMPTION/ SYMPATHETIC NERVOUS
SYSTEM, physiology/ *TEMPERATURE/
*THYROXINE, blood/ TIME FACTORS
2002. Kracht J, Bayer JM: Pathologische Aspekte der
Adrenalektomie bei hypothalamisch-hypophysärem
Cushing-Syndrom.
Verh Dtsch Ges Kreislaufforsch 56:376-81, 1972 (Ger)
ADOLESCENCE/ *ADRENALACTOMY/
ADULT/ CORTICOTROPIN, metabolism/
*CUSHING'S SYNDROME, surgery/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
metabolism/ MALE/ RECURRENCE
2003. Krakoff LR, De Gula D, Vlachakis N, et al: Effect of
sodium balance on arterial blood pressure and renal
responses to prostaglandin A1 in man.
Circ Res 33:539-46, Nov 73
*BLOOD PRESSURE/ CREATININE, urine/
DIET/ FUROSEMIDE,
administration & dosage/ FUROSEMIDE,

AUTHOR SECTION

- pharmacodynamics/ GLOMERULAR
FILTRATION RATE/ HUMAN/
HYPERTENSION, metabolism/
HYPERTENSION, physiopathology/
INJECTIONS, INTRAVENOUS/ KIDNEY, blood
supply/ *KIDNEY, drug effects/ POTASSIUM,
administration & dosage/ POTASSIUM, urine/
PROSTAGLANDINS, administration & dosage/
*PROSTAGLANDINS, pharmacodynamics/
REGIONAL BLOOD FLOW/ RENIN, blood/
SODIUM, administration & dosage/ *SODIUM,
metabolism/ SODIUM, urine
004. Krakow JS, Pastan I: Cyclic adenosine monophosphate
receptor: loss of cAMP-dependent DNA binding
activity after proteolysis in the presence of cyclic
adenosine monophosphate.
Proc Natl Acad Sci USA 70:2529-33, Sep 73
ADENINE NUCLEOTIDES, metabolism/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ CHROMATOGRAPHY,
AFFINITY/ CHYMOTRYPSIN,
pharmacodynamics/ CYTOSINE NUCLEOTIDES,
metabolism/ DNA/ *DNA, metabolism/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ ESCHERICHIA COLI, metabolism/
HYDROGEN-ION CONCENTRATION/ INOSINE
NUCLEOTIDES, metabolism/ MOLECULAR
WEIGHT/ *PEPTIDE PEPTIDOHYDROLASES,
pharmacodynamics/ *RECEPTORS, DRUG, drug
effects/ SUBTILISINS, pharmacodynamics/
THYMINE NUCLEOTIDES, metabolism/
TRITIUM/ TRYPSIN, pharmacodynamics
005. Kramers PG, Knaap AG: Mutagenicity tests with
captan and folpet in *Drosophila melanogaster*.
Mutat Res 21:149-54, Jun 73
ANIMAL EXPERIMENTS/ CAPTAN,
pharmacodynamics/ CHROMOSOME
ABERRATIONS/ FUNGICIDES, INDUSTRIAL,
pharmacodynamics/ GENES, LETHAL, drug
effects/ GENES, RECESSIVE, drug effects/
HYDROCARBONS, CHLORINATED,
pharmacodynamics/ INDOLES,
pharmacodynamics/ LARVA, drug effects/
MALE/ MOSAICISM, drug effects/
*MUTAGENS/ MUTATION, drug effects/ SEX
CHROMOSOMES, drug effects/ SULFIDES,
pharmacodynamics
006. Krause W: Zur teratogenen Wirkung von Busulfan auf
die Hodenzellen der fetalen Ratte.
Arzneim Forsch 23:924-6, Jul 73 (Ger)
*ABNORMALITIES, DRUG-INDUCED, etiology/
ANALYSIS OF VARIANCE/ ANIMAL
EXPERIMENTS/ *BUSULFAN, toxicity/
ENGLISH ABSTRACT/ FEMALE/ FETUS,
drug effects/ GERM CELLS, drug effects/
GESTATIONAL AGE/ LEYDIG CELLS, drug
effects/ MATERNAL-FETAL EXCHANGE/
MITOSIS, drug effects/ PREGNANCY/ RATS/
*TESTIS, drug effects/ TESTIS, pathology
007. Krauss J: Therapie der Herzinsuffizienz mit
Aldosteronantagonisten.
Z Allgemeinmed 49:989-91, 31 Jul 73 (Ger)
*ALDOSTERONE, antagonists & inhibitors/
*HEART FAILURE, CONGESTIVE, drug
therapy/ HUMAN/ SPIRONOLACTONE,
pharmacodynamics/ *SPIRONOLACTONE,
therapeutic use/ WATER-ELECTROLYTE
BALANCE, drug effects
008. Kravchenko VI: Vliianie o,p'-DDD na obrazovanie
kortikosteroidov nadpochechnikovoi tkan'iu in vitro.
Probl Endokrinol (Mosk) 19:76-9, Sep-Oct 73 (Rus)
*ADRENAL CORTEX HORMONES,
biosynthesis/ *ADRENAL GLANDS, drug
effects/ ADRENAL GLANDS, metabolism/
ANIMAL EXPERIMENTS/ CHICKENS/ *DDD,
pharmacodynamics/ DOGS/ ENGLISH
ABSTRACT
009. Krawitt LN: Giant prostatic cancer with acromegaly.
J Urol 110:441-2, Oct 73
*ACROMEGALY, complications/ AGED/
AUTOPSY/ ESTROGENS, therapeutic use/
HUMAN/ MALE/ *PROSTATIC NEOPLASMS,
complications/ PROSTATIC NEOPLASMS,
diagnosis/ PROSTATIC NEOPLASMS, drug
therapy/ PROSTATIC NEOPLASMS, pathology/
PROSTATIC NEOPLASMS, surgery/
RECURRENCE/ URETERAL OBSTRUCTION,
etiology/ URINARY CATHETERIZATION
2010. Krémers P: Inhibition in vitro de la 17
alpha-hydroxylase des stéroïdes dans la
corticosurrénale de boeuf.
Arch Int Physiol Biochim 81:379, May 73 (Fre)
*ADRENAL GLANDS, enzymology/ ANIMAL
EXPERIMENTS/ CATTLE/
CHLOROMERCURIBENZOATES,
pharmacodynamics/ IODOBENZOATES,
pharmacodynamics/ KINETICS/ MERCURY,
pharmacodynamics/ PREGNENOLONE,
metabolism/ PROGESTERONE, metabolism/
STEROID HYDROXYLASES, antagonists &
inhibitors/ *STEROID HYDROXYLASES,
metabolism
2011. Krémers P: Etude biochimique de la
17-alpha-hydroxylase corticosurrénale.
Arch Int Physiol Biochim 81:377-8, May 73 (Fre)
*ADRENAL GLANDS, enzymology/ ANIMAL
EXPERIMENTS/ CATTLE/ ENDOPLASMIC
RETICULUM, enzymology/ IN VITRO/ IONS,
metabolism/ KINETICS/ NADP/
PREGNENOLONE, metabolism/
PROGESTERONE, metabolism/ *STEROID
HYDROXYLASES, metabolism/
SURFACE-ACTIVE AGENTS/ TRITIUM
2012. Krémers P: Mesure de la 17-alpha-hydroxylase
corticosurrénale au moyen de substrats marqués
au 14. Arch Int Physiol Biochim 81:376-7, May 73 (Fre)
ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ CARBON ISOTOPES/
CATTLE/ CHROMATOGRAPHY/ CULTURE
MEDIA/ HYDROXYLATION/ IN VITRO/
PREGNENOLONE, metabolism/
PROGESTERONE, metabolism/ *STEROID
HYDROXYLASES, metabolism
2013. Krempien B, Ritz E, Heuck F: Osteopathie bei
Langzeit-hämodialyse. Histomorphometrische und
mikroradiographische Untersuchungen.
Verh Dtsch Ges Kreislaufforsch 56:439-42, 1972 (Ger)
ADULT/ ENGLISH ABSTRACT/
*HEMODIALYSIS, adverse effects/ HUMAN/
ILIUM, pathology/ LONG TERM CARE/
MALE/ MICRORADIOGRAPHY/ *RENAL
OSTEODYSTROPHY, etiology/ RENAL
OSTEODYSTROPHY, pathology
2014. Kreps EM, Kreps SM, Kreps SI: Treatment of
hyperthyroidism with sodium I 131. Carcinoma of the
thyroid after 20 years. JAMA 226:774-5, 12 Nov 73
ADMINISTRATION, ORAL/ ADOLESCENCE/
ADULT/ *CARCINOMA, PAPILLARY, etiology/
CARCINOMA, PAPILLARY, pathology/
FEMALE/ FOLLOW-UP STUDIES/ HUMAN/
*HYPERTHYROIDISM, radiotherapy/ IODIDES,
administration & dosage/ IODIDES,
therapeutic use/ *IODINE RADIOISOTOPES,
adverse effects/ IODINE RADIOISOTOPES,
therapeutic use/ *NEOPLASMS,
RADIATION-INDUCED/ SODIUM,
administration & dosage/ SODIUM, therapeutic
use/ THYROID GLAND, pathology/ *THYROID
NEOPLASMS, etiology/ THYROID
NEOPLASMS, pathology/ TIME FACTORS
2015. Kressner A: Zur Latero-Vertikalverlagerung gelähmter
Stimmbänder.
Z Laryngol Rhinol Otol 52:646-55, Sep 73 (Ger)
AGE FACTORS/ ENDOSCOPY/ ENGLISH
ABSTRACT/ HUMAN/ METHODS/
RESPIRATION/ THYROID GLAND, surgery/
THYROIDECTOMY/ *VOCAL CORD
PARALYSIS, surgery/ VOICE
2016. Kretova NE, Pavlova SS: Anestezologicheskoe posobie
v rodakh pri pozdnem toksikoze beremennykh.
Vopr Okhr Materin Det 18:65-70, Mar 73 (Rus)
*ANESTHESIA, OBSTETRICAL/ DRUG
THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ FEMALE/ HALOTHANE/
HUMAN/ HYDROXYDIONE/ *LABOR

AUTHOR SECTION

- COMPLICATIONS, drug therapy/
PREANESTHETIC MEDICATION/
PREGNANCY/ *PREGNANCY TOXEMIAS,
drug therapy
2017. Krikier DM: Therapy of lipid disorders.
J Clin Pathol [Suppl] 5:Suppl 5:72-7, 1973 (24 ref.)
CHOLESTEROL, blood/ CHOLESTYRAMINE,
therapeutic use/ CLOFIBRATE, therapeutic
use/ CORONARY DISEASE, etiology/
CORONARY DISEASE, prevention & control/
DEXTHROTHYROXINE, therapeutic use/ DIET
THERAPY/ DRUG THERAPY, COMBINATION/
FEMALE/ HOSPITALS, PSYCHIATRIC/
HUMAN/ HYPERLIPIDEMIA, complications/
HYPERLIPIDEMIA, drug therapy/
*HYPERLIPIDEMIA, therapy/ MALE/ MIDDLE
AGE/ NEOMYCIN, therapeutic use/
NICOTINIC ACID, therapeutic use/ REVIEW/
SEX FACTORS
2018. Krishnamachari KA, Krishnaswamy K: Genu valgum
and osteoporosis in an area of endemic fluorosis.
Lancet 2:877-9, 20 Oct 73
ADOLESCENCE/ ADULT/ CHILD/ *FLUORIDE
POISONING, complications/ FLUORIDES,
analysis/ HUMAN/ INDIA/ *JOINT DISEASES,
chemically induced/ KNEE, radiography/
*KNEE JOINT/ MALE/ MOTTLED ENAMEL,
chemically induced/ NUTRITION DISORDERS,
complications/ OSTEOPOROSIS/
OSTEOSCLEROSIS, chemically induced/
OSTEOSCLEROSIS, diagnosis/
OSTEOSCLEROSIS, radiography/ SEX
FACTORS/ SPINAL DISEASES, radiography/
SYNDROME/ WATER SUPPLY, analysis
2019. Krishnamurthy GT, Shoop L, Walsh CF, et al:
Comparison of 99m technetium pertechnetate and
radiolodine (I-131) as thyroid scanning agents.
Nucl Med (Stuttg) 12:97-106, 31 Aug 73
COMPARATIVE STUDY/ FEMALE/ GOITER,
NODULAR, diagnosis/ HUMAN/
HYPERTHYROIDISM, diagnosis/ IODINE
ISOTOPES, DIAGNOSTIC/ *IODINE
RADIOISOTOPES/ MALE/ *RADIOISOTOPE
SCANNING/ *TECHNETIUM/ THYROID
DISEASES, diagnosis
2020. Kroes JF, Hegsted DM, Hayes KC: Inositol deficiency in
gerbils: dietary effects on the intestinal
lipodystrophy. J Nutr 103:1448-53, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
CHOLESTEROL, metabolism/ CHOLESTEROL,
pharmacodynamics/ CHOLESTEROL, DIETARY/
COCONUT/ DEFICIENCY DISEASES,
complications/ DEFICIENCY DISEASES,
metabolism/ *DIETARY FATS, metabolism/
FATTY ACIDS, UNSATURATED, metabolism/
FEMALE/ *GERBILS, metabolism/ *INOSITOL,
biosynthesis/ INTESTINES, metabolism/
*LIPODYSTROPHY, INTESTINAL, etiology/
MALE/ OILS/ SACCHAROMYCES
CEREVISIAE/ SEX FACTORS/
STRUCTURE-ACTIVITY RELATIONSHIP/
TESTIS, metabolism/ TRIGLYCERIDES/
TRIGLYCERIDES, metabolism
2021. Krohn HP, Brodehl J, Offner G, et al: Über die
Veränderung der Nierenfunktion bei der Vitamin
D-Mangel-Rachitis.
Monatsschr Kinderheilkd 121:327-8, Jul 73 (Ger)
AMINOHIPURIC ACID/ GLOMERULAR
FILTRATION RATE/ HUMAN/ INFANT/
*KIDNEY, physiology/ PHOSPHATES,
urine/ RICKETS, etiology/ *RICKETS,
physiopathology/ *VITAMIN D DEFICIENCY,
complications
2022. Kron B: Fibro-thécome de l'ovaire avec épanchement
pleural et ascite.
Sem Hop Paris 49:1318-9, 14 Apr 73 (Fre)
AGED/ *ASCITES, etiology/ FEMALE/
HUMAN/ *OVARIAN NEOPLASMS,
complications/ *PLEURAL EFFUSION,
etiology/ *THECA CELL TUMOR,
complications
2023. Kroner T: Alpha 1-Antitrypsin-Mangel mit
Hepatopathie und Eisenüberladung.
- Schweiz Med Wochenschr 103:1192-5, 25 Aug 73 (Ger)
ADDISON'S DISEASE, complications/ *ALPHA
1 ANTITRYPSIN/ AURICULAR
FIBRILLATION, complications/ BLOOD
PROTEIN DISORDERS, complications/ BLOOD
PROTEIN DISORDERS, familial & genetic/
ENGLISH ABSTRACT/ ERYTHROCYTES,
metabolism/ HEMOCHROMATOSIS,
complications/ HEMOCHROMATOSIS, etiology/
HUMAN/ *IRON, blood/ *LIVER DISEASES,
complications/ MALE/ MIDDLE AGE/
PULMONARY EMPHYSEMA, complications
2024. Krueger GR, O'Connor GT, Sussman E, et al:
Ultrastructural and tissue culture studies of a thymic
lymphoma induced by persistent antigenic
stimulation and immunosuppression.
Z Krebsforsch 79:272-6, 19 Jun 73
ANIMAL EXPERIMENTS/ ANTIGENS,
NEOPLASM/ AZATHIOPRINE/ CELLS,
CULTURED/ CROSS REACTIONS/
IMMUNOSUPPRESSION/ LYMPHOSARCOMA,
immunology/ *LYMPHOSARCOMA, pathology/
MICE/ MICE, INBRED BALB C/ NEOPLASMS,
EXPERIMENTAL, immunology/ NEOPLASMS,
EXPERIMENTAL, pathology/ PHAGOCYTOSIS/
THYMUS NEOPLASMS, immunology/
*THYMUS NEOPLASMS, pathology
2025. Kruse HP, Kuhlencordt F: Osteopetrosis
Albers-Achönberg mit gesteigertem Knochenumbau.
Klin Wochenschr 51:762-6, 1 Aug 73 (Ger)
ADULT/ BIOPSY/ *BONE AND BONES,
metabolism/ *BONE REGENERATION/ BONE
RESORPTION/ *CALCIUM, metabolism/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MALE/ MICORADIOGRAPHY/
OSTEOPETROSIS, etiology/ OSTEOPETROSIS,
familial & genetic/ *OSTEOPETROSIS,
metabolism/ OSTEOPETROSIS,
physiopathology/ RIBS, radiography
2026. Krzymowski T: Neuro-humoralna regulacja
erytropoezy.
Acta Physiol Pol [Suppl] 24:891-9, 1973 (Pol)
ANGIOTENSIN, physiology/ AUTONOMIC
NERVOUS SYSTEM, physiology/ CHALONES,
physiology/ *ERYTHROPOIESIS/
ERYTHROPOIETIN, biosynthesis/ FEEDBACK/
HUMAN/ HYPOTHALAMUS, physiology/
KIDNEY, blood supply/ KIDNEY, physiology/
LYMPHATIC SYSTEM, physiology/ NEURAL
INTERCONNECTIONS, physiology/
*NEUROHUMORS, physiology/ PITUITARY
GLAND, physiology/ SEROTONIN, physiology
2027. Kubo S: [Hepatic fibrosis--the site of fibrogenesis and
attempts to repress the process of fibrosis]
Jap J Gastroenterol 70:917-33, Sep 73 (Jap)
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ COLLAGEN, biosynthesis/
CORTISONE, pharmacodynamics/ ENGLISH
ABSTRACT/ HYDROXYPROLINE, biosynthesis/
IN VITRO/ *LIVER CIRRHOSIS, metabolism/
LIVER CIRRHOSIS, prevention & control/
MALE/ MERCAPTOPYRINE,
pharmacodynamics/ NITRILES,
pharmacodynamics/ PEPTIDES, biosynthesis/
PROLINE, metabolism/ RATS
2028. Kuboki Y, Shimokawa H, Ono T, et al: Detection of
collagen degradation products in bone.
Calcif Tissue Res 12:303-12, 1973
AMINO ACID SEQUENCE/ ANIMAL
EXPERIMENTS/ *BONE AND BONES,
analysis/ CATTLE/ *COLLAGEN, metabolism/
EDTA/ FEMUR/ HYDROXYPROLINE, analysis/
MICROSCOPY, ELECTRON
2029. Kucera H, Kupka S: Zur Behandlung des infektiösen
Fluors durch Dequaliniumchlorid und seiner
Kombination mit verschiedenen
Ostriolkomponenten.
Wien Med Wochenschr 123:683-5, 17 Nov 73 (Ger)
ADULT/ CHLORIDES, therapeutic use/ DRUG
COMBINATIONS/ *ESTRIOL, therapeutic use/
FEMALE/ HUMAN/ *LEUKORRHEA, drug
therapy/ LEUKORRHEA, etiology/
MENOPAUSE/ MIDDLE AGE/ PRURITUS
VULVAE, drug therapy/ *QUINOLINES,

AUTHOR SECTION

- therapeutic use/ TRICHOMONAS VAGINITIS, complications/ TRICHOMONAS VAGINITIS, drug therapy/ VAGINITIS, complications/ VAGINITIS, drug therapy
30. Kuch J: Autoantibodies directed against heart antigens and endocrine reactivity in patients with recent myocardial infarction. *Cardiovasc Res* 7:849-54, Sep 73
ADULT/ AGED/ ANTIBODY FORMATION/
*AUTOANTIBODIES/ BLOOD PROTEINS/
*CATECHOLAMINES, blood/ EPINEPHRINE, blood/ EPINEPHRINE, urine/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/
*17-HYDROXYCORTICOSTEROIDS, urine/ IODINE, blood/ MALE/ MIDDLE AGE/
*MYOCARDIAL INFARCT, immunology/
*MYOCARDIUM, immunology/
NOREPINEPHRINE, blood/
NOREPINEPHRINE, urine/ PROTEIN BINDING/ TIME FACTORS
31. Kudrjavtseva NN: Izmeneniia soderzhaniiia serotoninia v perednem mozge vo vremia zimnei splichki. *Fiziol Zh SSSR* 59:531-4, Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ ENGLISH ABSTRACT/
HAMSTERS/ *HIBERNATION/ HIPPOCAMPUS, metabolism/ RODENTS, physiology/ RUSSIAN FEDERATION (ASIA)/ SEASONS/
*SEROTONIN, metabolism/ TEMPERATURE
32. Kudrin ID, Akimov GA, Sudzilovskii FV, et al: Reaktsiia tsentral'noi nervnoi sistemy na mekhanicheskie vozdeistviia. *Kosm Biol Med* 7:13-7, May-Jun 73 (Rus)
*ACCELERATION, adverse effects/ ANIMAL EXPERIMENTS/ BRAIN, blood supply/ BRAIN, pathology/ *CENTRAL NERVOUS SYSTEM, psychopathology/ CEREBRAL CORTEX, pathology/ ENGLISH ABSTRACT/ GANGLIA, SPINAL, pathology/ HYPOTHALAMUS, pathology/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, analysis/ RABBITS/ SHOCK, psychopathology/ SPINAL CORD, pathology/ TIME FACTORS
33. Kuhar MJ, Pert CB, Snyder SH: Regional distribution of opiate receptor binding in monkey and human brain. *Nature* 245:447-50, 26 Oct 73
ACETYLCHOLINE, metabolism/
ACETYLTRANSFERASES, analysis/
AMINOBUTYRIC ACID, analysis/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ BRAIN STEM, metabolism/ CEREBELLUM, metabolism/ CHOLINE/ COMPARATIVE STUDY/ DENERVATION/
*DIHYDROMORPHINONE, metabolism/
HUMAN/ HYPOTHALAMUS, metabolism/
MACACA/ MESENCEPHALON, metabolism/
MONKEYS/ NOREPINEPHRINE, metabolism/
*RECEPTORS, DRUG/ SEROTONIN, metabolism/ SPINAL CORD, metabolism/
TELENCEPHALON, metabolism/ THALAMUS, metabolism/ TRITIUM/ TYROSINE HYDROXYLASE, analysis
34. Kuhns LR, Poznanski AK, Harper HA, et al: Ivory epiphyses of the bands. *Radiology* 109:643-8, Dec 73
ADOLESCENCE/ BONE DEVELOPMENT/
BONE DISEASES, DEVELOPMENTAL, occurrence/ *BONE DISEASES, DEVELOPMENTAL, radiography/ CHILD/ CHILD, PRESCHOOL/ *EPIPHYSES, radiography/ FEMALE/ FINGERS, radiography/
*HAND, radiography/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HUMAN/ HYPOTHYROIDISM, radiography/ INCOME/ MALE/ NUTRITION SURVEYS/ UNITED STATES
35. Kukovetz WR, Pösch G, Wurm A: Effect of catecholamines, histamine and oxyfedrine on isotonic contraction and cyclic AMP in the guinea-pig heart. *Naunyn Schmiedeberg's Arch Pharmacol* 278:403-24, 26 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ DRUG ANTAGONISM/ DRUG SYNERGISM/ GUINEA PIGS/ HEART, drug effects/ *HEART, physiology/ *HISTAMINE, pharmacodynamics/
IMIDAZOLES, pharmacodynamics/ IN VITRO/
*ISOPROTERENOL, pharmacodynamics/
MYOCARDIUM, analysis/ *NOREPINEPHRINE, pharmacodynamics/ PERFUSION/
*PROPIOPHENONES, pharmacodynamics/
THEOPHYLLINE, pharmacodynamics
2036. Kulik NN, Rymarchuk GV: Funktsional'noe sostoiianie zbeludka i podzhehudochnoi zbelezy u zdorovykh detei puheratnogo vozrasta. *Pediatrilia* 51:75-8, May 73 (Rus)
ADOLESCENCE/ CHILD/ GASTRIC ACIDITY DETERMINATION/ GASTRIC JUICE, secretion/ HUMAN/ *PANCREAS, physiology/
PANCREATIC JUICE, secretion/ *PUBERTY/ *STOMACH, physiology
2037. Kulka RG, Cohen H: Regulation of glutamine synthetase activity of hepatoma tissue culture cells by glutamine and dexamethasone. *J Biol Chem* 248:8738-43, 10 Oct 73
CARBON RADIOISOTOPES/ CELLS, CULTURED/ CLONE CELLS, drug effects/
CLONE CELLS, enzymology/ COMPARATIVE STUDY/ CYCLOHEXIMIDE, pharmacodynamics/
DACTINOMYCIN, pharmacodynamics/
*DEXAMETHASONE, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ENZYME INDUCTION/ FLUORIDES, pharmacodynamics/ *GLUTAMINE, pharmacodynamics/ *GLUTAMINE SYNTHETASE, biosynthesis/ GLUTAMINE SYNTHETASE, metabolism/ *HEPATOMA, enzymology/ KINETICS/ TIME FACTORS/
TYROSINE AMINOTRANSFERASE, biosynthesis
2038. Kumagai M, Kikuchi Y, Oishi H, et al: A case with short arm deletion of chromosome 18 (18p-syndrome). *Jap J Hum Genet* 18:24-38, Jun 73
CASE REPORT/ CHILD, PRESCHOOL/
*CHROMOSOME ABNORMALITIES/
*CHROMOSOMES, HUMAN, 16-18/
DERMATOGLYPHICS/ DWARFISM, familial & genetic/ EAR, abnormalities/ HUMAN/
KARYOTYPING/ MALE/ MENTAL RETARDATION, familial & genetic
2039. Kumar D, Das Gupta P, Bhattacharya S: In vitro demonstration of peroxidase activity in the fish kidney soluble supernatant and its physiological importance. *Experientia* 29:1076-8, 15 Sep 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ CELL FRACTIONATION/
CYANIDES, pharmacodynamics/ *FISHES/
GLUTATHIONE, pharmacodynamics/
HYDROGEN-ION CONCENTRATION/ IN VITRO/ IODIDES, metabolism/ KIDNEY, cytology/ *KIDNEY, enzymology/
MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ PEROXIDASES, antagonists & inhibitors/ *PEROXIDASES, metabolism/
PEROXIDES, pharmacodynamics/ THIOURACIL, pharmacodynamics/ THIOUREA, pharmacodynamics
2040. Kumar K, Kumar R: Epidermolysis bullosa dystrophica et albo-papuloides pasini in an Indian. A case report. *Dermatologica* 147:137-43, Aug 73
ADULT/ ARSENICALS, therapeutic use/
COLLAGEN/ CONNECTIVE TISSUE, pathology/ *EPIDERMOLYSIS BULLOSA, diagnosis/ EPIDERMOLYSIS BULLOSA, drug therapy/ FEMALE/ HUMAN/ HYPERPLASIA/
PREDNISOLONE, therapeutic use/ THYROID HORMONES, therapeutic use
2041. Kumar R, Tao M, Plotrowski R, et al: Multiple forms of adenosine 3',5'-cyclic monophosphate-dependent protein kinase from monkey skin. *Biochim Biophys Acta* 315:66-72, 5 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ BINDING SITES/
CHROMATOGRAPHY, DEAE-CELLULOSE/
*ISOENZYMES, isolation & purification/
KINETICS/ MACACA/ MONKEYS/
PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ *PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/

AUTHOR SECTION

- *SKIN, enzymology/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TRITIUM/
ULTRAFILTRATION
2042. Kumbar M, Sankar DV: Quantum chemical studies on drug actions. 3. Correlation of hallucinogenic and anti-serotonin activity of lysergic acid derivatives with quantum chemical data.
Res Commun Chem Pathol Pharmacol 6:85-100, Jul 73
*HALLUCINOGENS, pharmacodynamics/
*LYSERGIC ACID DIETHYLAMIDE,
pharmacodynamics/ QUANTUM THEORY/
*SEROTONIN, antagonists & inhibitors/
STRUCTURE-ACTIVITY RELATIONSHIP
2043. Kunc Z: Problémy chirurgie chromofobních adenomů hypofýzy.
Cesk Neurol 36:349-56, Nov 73 (Cze)
*ADENOMA, CHROMOPHOBE, surgery/
ADULT/ AGED/ ENGLISH ABSTRACT/
HUMAN/ METHODS/ MIDDLE AGE/
*PITUITARY NEOPLASMS, surgery
2044. Kundu N: Radioimmunoassay of contraceptive steroids. I. Synthesis of 6-oxomestranol 6-(O-carboxymethyl) oxime.
Steroids 22:327-36, Sep 73
ANTIGENS/ CATTLE/ ESTRADIOL/
INDICATORS AND REAGENTS/
KETOSTEROIDS, chem synthesis/
MESTRANOL/ METHODS/ METHYLATION/
*NORPREGNANES, chem synthesis/
OXIDATION-REDUCTION/ OXIMES, chem
synthesis/ *PREGNATRIENES, chem synthesis/
SERUM ALBUMIN, BOVINE
2045. Kung TT, Munroe JS: Effect of progesteroids on the cellular response to inflammation in the monkey.
J Reticuloendothel Soc 14:59-67, Jul 73
ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS/
BETAMETHASONE, administration & dosage/
BETAMETHASONE, pharmacodynamics/
FEMALE/ IMMUNITY, CELLULAR/
INFLAMMATION, etiology/ *INFLAMMATION,
immunology/ INJECTIONS, INTRAMUSCULAR/
INJECTIONS, SUBCUTANEOUS/
*LEUKOCYTES, drug effects/ MACACA/
MALE/ MEDROXYPROGESTERONE,
administration & dosage/
MEDROXYPROGESTERONE,
pharmacodynamics/ MONKEYS/ POLYVINYLS/
PROGESTATIONAL HORMONES,
pharmacodynamics/ PROGESTERONE,
administration & dosage/ PROGESTERONE,
pharmacodynamics/ SKIN WINDOW TECHNIC/
TIME FACTORS
2046. Kuni CC: Extra-adrenal pheochromocytoma with metastasis in Down's syndrome.
J Pediatr 83:835-6, Nov 73
ADOLESCENCE/ AUTOPSY/ FEMALE/
FEMORAL NEOPLASMS, complications/
HUMAN/ LIVER NEOPLASMS, complications/
LYMPH NODES, pathology/ LYMPHATIC
SYSTEM/ *MONGOLISM, complications/
NEOPLASM METASTASIS/
*PHEOCHROMOCYTOMA, complications/
PHEOCHROMOCYTOMA, pathology
2047. Kuo TH, Tchen TT: Comparison of the effects of adrenocorticotrophic hormone on the steroidogenic activity and ultrastructure of adrenal cortex.
J Biol Chem 248:8679-83, 10 Oct 73
*ADRENAL CORTEX HORMONES,
biosynthesis/ ADRENAL GLANDS, cytology/
ADRENAL GLANDS, drug effects/ *ADRENAL
GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ CELLS, CULTURED/
*CORTICOTROPIN, pharmacodynamics/
CYCLOHEXIMIDE, pharmacodynamics/
ENDOPLASMIC RETICULUM, analysis/
HYPOPHYSECTOMY/ MALE/ MICROSCOPY,
ELECTRON/ PITUITARY GLAND, physiology/
RATS/ RNA, MESSENGER, metabolism/ TIME
FACTORS/ TRANSLATION, GENETIC
2048. Kurath P, Thomas AM:
N-Carbobenzoxyl-L-pyroglyutamyl-L-histidyl peptides.
Helv Chim Acta 56:1856-61, 1973
- *DIPEPTIDES, chem synthesis/ GLUTAMATES,
chem synthesis/ HISTIDINE, chem synthesis/
NUCLEAR MAGNETIC RESONANCE/
*OLIGOPEPTIDES, chem synthesis/ PROLINE,
chem synthesis/ SPECTROPHOTOMETRY,
INFRARED/ THYROTROPIN RELEASING
HORMONE, chem synthesis
2049. Kurbangaleev SM, Protasov AA:
Vnenadpochechnikoval feokhromotsitoma,
vyzvavshala vazorenal'nyu gipertonliu.
Klin Khir 1:67-8, Jan 73 (Rus)
ADOLESCENCE/ ARTERIAL OCCLUSIVE
DISEASES, complications/ FEMALE/ HEPATIC
ARTERY, radiography/ HUMAN/
*HYPERTENSION, RENAL, etiology/
*PHEOCHROMOCYTOMA, complications
2050. Kurnick JE, Hartman CR, Floyd GD, et al: Wenckebach phenomenon in thyrotoxicosis with hypercalcemia.
Rocky Mt Med J 70:46-7, Oct 73
ADULT/ ARRHYTHMIA, etiology/
ELECTROCARDIOGRAPHY/ *HEART BLOCK,
etiology/ HEART CONDUCTION SYSTEM,
physiopathology/ HUMAN/ *HYPERCALCEMIA,
etiology/ *HYPERTHYROIDISM, complications/
HYPERTHYROIDISM, drug therapy/ MALE/
PROPYLTHIOURACIL, therapeutic use
2051. Kuroda Y, McIlwain H: Subcellular localization of (14C)adenine derivatives newly-formed in cerebral tissues and the effects of electrical excitation.
J Neurochem 21:889-900, Oct 73
*ADENINE, metabolism/ *ADENINE
NUCLEOTIDES, biosynthesis/ ADENINE
NUCLEOTIDES, metabolism/ ADENOSINE,
metabolism/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, biosynthesis/
*ADENOSINE TRIPHOSPHATE, biosynthesis/
ANIMAL EXPERIMENTS/ BRAIN, cytology/
*BRAIN, metabolism/ BRAIN, physiology/
CARBON RADIOISOTOPES/ CELL NUCLEUS,
metabolism/ CENTRIFUGATION, DENSITY
GRADIENT/ CYTOSOL, metabolism/
*ELECTRIC STIMULATION/ GUINEA PIGS/
HYPOXANTHINES, biosynthesis/ IN VITRO/
INOSINE, biosynthesis/ MICROSOMES,
metabolism/ MITOCHONDRIA, metabolism/
NEURAL TRANSMISSION/ SYNAPTOSOMES,
metabolism/ TRITIUM
2052. Kuroedova IA, Razmadze TG, Franchenko ND:
Opređenje testosterona v plazme krvi metodom
konkurentnogo svlasyvaniia belkami (KSB).
Probl Endokrinol (Mosk) 19:30-6, Sep-Oct '73 (Rus)
BINDING, COMPETITIVE/ ENDOCRINE
DISEASES, blood/ ENGLISH ABSTRACT/
ESTRADIOL, blood/ FEMALE/ HUMAN/
MALE/ PREGNANCY/ *PROTEIN BINDING/
SERUM GLOBULINS, analysis/
*TESTOSTERONE, blood
2053. Kurokawa K, Massry SG: Interaction between catecholamines and vasopressin on renal medullary cyclic AMP of rat. Am J Physiol 225:825-9, Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ DOGS/ IN VITRO/
*ISOPROTERENOL, pharmacodynamics/
KIDNEY, drug effects/ *KIDNEY, metabolism/
KIDNEY CORTEX, metabolism/ KIDNEY
MEDULLA, metabolism/ MALE/ NADH,
NADPH OXIDOREDUCTASES, blood/
NOREPINEPHRINE, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/ RATS/
SPECIES SPECIFICITY/ VASOPRESSIN,
metabolism/ *VASOPRESSIN,
pharmacodynamics
2054. Kurokawa K, Ohno T, Rasmussen H: Ionic control of renal gluconeogenesis. II. The effects of Ca²⁺ and H⁺ upon the response to parathyroid hormone and cyclic AMP. Biochim Biophys Acta 313:32-41, 20 Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ *CALCIUM,
pharmacodynamics/ CHELATING AGENTS,
pharmacodynamics/ COMPARATIVE STUDY/
DOSE-RESPONSE RELATIONSHIP, DRUG/

AUTHOR SECTION

- *GLUCONEOGENESIS, drug effects/
GLUTAMINE, metabolism/ HYDROGEN-ION
CONCENTRATION/ KETOGLUTARIC ACID,
metabolism/ KIDNEY TUBULES, drug effects/
*KIDNEY TUBULES, metabolism/ LACTATES,
metabolism/ MALATES, metabolism/
PARATHYROID HORMONE, metabolism/
*PARATHYROID HORMONE,
pharmacodynamics/ RATS/ SUCCINATES,
metabolism
055. Kurokawa K, Rasmussen H: Ionic control of renal
gluconeogenesis. IV. Effect of extracellular
phosphate concentration.
Biochim Biophys Acta 313:59-71, 20 Jun 73
ADENINE NUCLEOTIDES, metabolism/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CALCIUM,
pharmacodynamics/ CARBON DIOXIDE,
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*GLUCONEOGENESIS, drug effects/
GLYCERIN, metabolism/ IN VITRO/
KETOGLUTARIC ACID, metabolism/ KIDNEY
CORTEX, cytology/ KIDNEY CORTEX,
metabolism/ KIDNEY TUBULES, drug effects/
*KIDNEY TUBULES, metabolism/ KREBS
CYCLE, drug effects/ MALATES, metabolism/
MITOCHONDRIA, drug effects/
*MITOCHONDRIA, metabolism/
PARATHYROID HORMONE,
pharmacodynamics/ *PHOSPHATES,
pharmacodynamics/ PYRUVATES, metabolism/
RATS
056. Kuzin MI, Uspenskiĭ LV, Volkov BP: Opukhott
vilochnikov zhelezy (obzor literatury).
Khirurgiya (Mosk) 49:120-5, Mar 73 (Rus)
HUMAN/ MYASTHENIA GRAVIS,
complications/ MYASTHENIA GRAVIS,
surgery/ ORGAN WEIGHT/
PNEUMOMEDIASTINUM, DIAGNOSTIC/
PREOPERATIVE CARE/ THYMECTOMY/
THYMOMA, complications/ THYMOMA,
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NEOPLASMS/ THYMUS NEOPLASMS,
classification/ THYMUS NEOPLASMS,
complications/ THYMUS NEOPLASMS,
mortality/ THYMUS NEOPLASMS, occurrence/
THYMUS NEOPLASMS, pathology/ THYMUS
NEOPLASMS, radiotherapy/ THYMUS
NEOPLASMS, surgery
057. Kwart AM, Coffey DS: Sperm granulomas: an adverse
effect of vasectomy. J Urol 110:416-22, Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CELL COUNT/ DNA, biosynthesis/
EPIDIDYMIS/ *GRANULOMA, etiology/
GRANULOMA, pathology/ INFLAMMATION/
LIGATION/ MALE/ ORGAN WEIGHT/ RATS/
RNA, biosynthesis/ *SPERMATOZOA/
SPERMATOZOA, cytology/ *TESTICULAR
DISEASES, etiology/ TESTICULAR DISEASES,
pathology/ TESTIS, metabolism/
TESTOSTERONE, biosynthesis/ TRITIUM/ VAS
DEFERENS/ *VASECTOMY, adverse effects
058. Kyriakou SY, Kuhn NJ: Lactogenesis in the diabetic
rat. J Endocrinol 59:199-200, Oct 73
*ALLOXAN DIABETES, physiopathology/
ANIMAL EXPERIMENTS/ BLOOD SUGAR/
FEMALE/ GLYCOSURIA/ INSULIN, blood/
*LACTATION/ LACTOSE, analysis/ MAMMAE,
analysis/ OVARY, physiology/ PREGNANCY/
PREGNANCY IN DIABETES, physiopathology/
RATS
- L
059. Laake H, Solem JH: Glukokortikosteroider og
infeksjonssykdommer.
Tidsskr Nor Laegeforen 93:942-3, 10 May 73 (Nor)
CLINICAL RESEARCH/ *GLUCOCORTICOIDS,
therapeutic use/ HUMAN/ *INFECTION, drug
therapy
060. Laatikainen T, Hokkanen T, Haahti E: Determination of
amniotic fluid lecithin with a gas phase thin-layer
chromatographic detector.
Scand J Clin Lab Invest 31:347-51, May 73
ACETATES, analysis/ AMNIOCENTESIS/
*AMNIOTIC FLUID, analysis/ AMNIOTIC
FLUID, metabolism/ CARBON DIOXIDE,
analysis/ CHROMATOGRAPHY, THIN LAYER/
FEMALE/ GESTATIONAL AGE/ HUMAN/
HYDROCORTISONE, analysis/ INFANT,
NEWBORN/ LABOR/ *LECITHINS, analysis/
LECITHINS, metabolism/ METHANE, analysis/
METHODS/ NITROGEN/
OXIDATION-REDUCTION/ PHOSPHOLIPIDS,
isolation & purification/ PREGNANCY/
PRENATAL DIAGNOSIS/ *RESPIRATORY
DISTRESS SYNDROME, diagnosis/
RESPIRATORY TRACT DISEASES,
metabolism/ SPHINGOMYELINS, analysis/
TIME FACTORS
2061. Laborit G, Baron C, Laborit H: Aspirine,
catécholamines et lactacidémie.
Agressologie 14:25-30, 1973 (Fre)
ANIMAL EXPERIMENTS/ *ASPIRIN,
pharmacodynamics/ ENGLISH ABSTRACT/
*EPINEPHRINE, pharmacodynamics/
HYDROGEN-ION CONCENTRATION/
*LACTATES, blood/ PLATELET
ADHESIVENESS, drug effects/
PROSTAGLANDINS, biosynthesis/
*PYRUVATES, blood/ RABBITS
2062. Laborit H, Calvino B, Valette N: Action du
chloramphénicol, du bromure d'éthidium et de la
N-formyl-méthionine sur l'acquisition et la rétention
d'un réflexe conditionné d'évitement chez le rat.
Agressologie 14:17-24, 1973 (Fre)
ANIMAL EXPERIMENTS/ *AVOIDANCE
LEARNING, drug effects/ BRAIN, metabolism/
BROMIDES, pharmacodynamics/ CALCIUM,
metabolism/ *CHLORAMPHENICOL,
pharmacodynamics/ *CONDITIONING,
CLASSICAL, drug effects/ DNA, metabolism/
ENGLISH ABSTRACT/ *ETHIDIUM,
pharmacodynamics/ GLYCOPROTEINS,
metabolism/ MEMORY, drug effects/
MITOCHONDRIA, metabolism/ RATS/ RNA,
metabolism
2063. Lachenmayer L, Groth HP: Degeneration and
regeneration of the adrenergic nerves in the rat iris
induced by dihydroxytryptamines.
Virchows Arch [Zellpathol] 13:197-213, 22 Jul 73
ANIMAL EXPERIMENTS/ ANTERIOR
CHAMBER/ DESIPRAMINE,
pharmacodynamics/ FEMALE/
FLUORESCENCE/ HYDROXYDOPAMINE,
pharmacodynamics/ *IRIS, innervation/ MALE/
*NERVE DEGENERATION/ *NERVE
REGENERATION/ RATS/ SEROTONIN/
*SYMPATHETIC NERVOUS SYSTEM,
pathology/ TIME FACTORS/ TRYPTAMINES
2064. Lachowicz L, Oszczygł A, Jędrzejczak M: Poziom
estriolu w moczu ciężarnych a przebieg porodu.
Ginekol Pol 44:869-74, Aug 73 (Pol)
ENGLISH ABSTRACT/ *ESTRIOL, urine/
FEMALE/ HUMAN/ INFANT, NEWBORN/
*LABOR/ PREGNANCY/ SEX FACTORS
2065. Lacour J, Vignalou J, Perez R, et al: Epithelioma
papillaire du corps thyroïde. A propos de deux cas
familliaux.
Nouv Presse Med 2:2249-52, 29 Sep 73 (Fre)
ADULT/ *CARCINOMA, PAPILLARY, familial
& genetic/ CARCINOMA, PAPILLARY,
pathology/ CHILD/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ MALE/ THYROID
GLAND, pathology/ *THYROID NEOPLASMS,
familial & genetic/ THYROID NEOPLASMS,
pathology/ THYROIDECTOMY
2066. Lacy PE, Malaisse WJ: Microtubules and beta cell
secretion.
Recent Prog Horm Res 29:199-228, 1973 (95 ref.)
ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CALCIUM, pharmacodynamics/
CYTOCHALASIN B, pharmacodynamics/
DEUTERIUM/ GLUCOSE, pharmacodynamics/
INSULIN, secretion/ ISLANDS OF

AUTHOR SECTION

- LANGERHANS, cytology/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ MICROSCOPY, ELECTRON/ MICROTUBULES, drug effects/ MICROTUBULES, enzymology/ *MICROTUBULES, metabolism/ MODELS, BIOLOGICAL/ ORGANOIDS, metabolism/ RATS/ REVIEW/ TIME FACTORS/ TOLBUTAMIDE, pharmacodynamics
2067. Ladds PW, Dennett DP, Glazebrook JS: A survey of the genitalia of bulls in Northern Australia. Aust Vet J 49:335-40, Jul 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANTIBODIES, BACTERIAL/ ANTIBODIES, VIRAL/ AUSTRALIA/ BRUCELLA ABORTUS, immunology/ CATTLE/ *CATTLE DISEASES, occurrence/ CATTLE DISEASES, pathology/ EPIDIDYMI, pathology/ GENITAL DISEASES, MALE, occurrence/ GENITAL DISEASES, MALE, pathology/ *GENITAL DISEASES, MALE, veterinary/ HEMAGGLUTINATION TESTS/ INFECTIOUS BOVINE RHINOTRACHEITIS, immunology/ INFECTIOUS BOVINE RHINOTRACHEITIS, isolation & purification/ LEPTOSPIRA, immunology/ MALE/ PENIS, microbiology/ TESTIS, pathology/ TRICHOMONAS, isolation & purification/ VIBRIO FETUS, isolation & purification
2068. Laffargue P, Boyer JF: Cancer chimlo-Induit du col utérin chez la ratte. Ultrastructure des stades précoces. Rôle de la castration. Bull Cancer (Paris) 59:315-30, Apr-Jun 72 (Fre)
*ADENOCARCINOMA, chemically induced/ ADENOCARCINOMA, pathology/ ANIMAL EXPERIMENTS/ *CASTRATION/ *CERVIX NEOPLASMS, chemically induced/ CERVIX NEOPLASMS, pathology/ *CERVIX UTERI, pathology/ ENGLISH ABSTRACT/ EPITHELIAL CELLS/ EPITHELIAL CELLS, drug effects/ *ESTRADIOL/ FEMALE/ *METHYLCHOLANTHRENE/ METHYLCHOLANTHRENE, pharmacodynamics/ MICROSCOPY, ELECTRON/ RATS/ TIME FACTORS
2069. LaFlamme LF, Trenkle A, Topel DG: Effect of castration or breed type on growth of the longissimus muscle in male cattle. Growth 37:249-56, Sep 73
ANIMAL EXPERIMENTS/ *BREEDING/ *CASTRATION, veterinary/ *CATTLE, growth & development/ COLLAGEN, hiosynthesis/ DIET/ DNA, hiosynthesis/ MALE/ MUSCLE PROTEINS, hiosynthesis/ *MUSCLES, growth & development/ MUSCLES, metabolism
2070. LaForce FM, Mullane JF, Boehme RF, et al: The effect of pulmonary edema on antibacterial defenses of the lung. J Lah Clin Med 82:634-48, Oct 73
ANIMAL EXPERIMENTS/ ANOXIA, immunology/ AORTA, ABDOMINAL, surgery/ *BACTERIAL INFECTIONS, immunology/ CONSTRICTION/ *LUNG, immunology/ LUNG, pathology/ *MACROPHAGES, immunology/ MALE/ MICE/ *PHAGOCYTOSIS/ PHOSPHORUS RADIOISOTOPES/ *PNEUMONIA, immunology/ PULMONARY ALVEOLI, immunology/ PULMONARY EDEMA, chemically induced/ PULMONARY EDEMA, etiology/ *PULMONARY EDEMA, immunology/ PULMONARY EDEMA, pathology/ RATS/ STAPHYLOCOCCAL INFECTIONS, immunology/ THIOUREA
2071. Lagler R, Forestier J: Femoral head alive 16 years after a non-consolidated intracapsular fracture of the femoral neck. An anatomical and radiological study. Ann Rheum Dis 32:460-5, Sep 73
AGED/ CARTILAGE, ARTICULAR, pathology/ CELL DIFFERENTIATION/ FEMALE/ FEMORAL NECK FRACTURES, pathology/ *FEMORAL NECK FRACTURES, radiography/ FEMORAL NECK FRACTURES, surgery/ FEMUR NECK, blood supply/ FEMUR NECK, pathology/ HUMAN/ HYALIN SUBSTANCE/ OSTEOPOROSIS, complications/ TIME FACTORS
2072. Laidlaw JC: Editorial: New knowledge of benign essential hypertension. Can Med Assoc J 109:453 passim, 15 Sep 73
AGE FACTORS/ ALDOSTERONE, urine/ ANGIOTENSIN/ ANTIHYPERTENSIVE AGENTS/ BLOOD PRESSURE, drug effects/ HUMAN/ HYPERTENSION/ HYPERTENSION, drug therapy/ PROPRANOLOL, therapeutic use/ RENIN, blood/ SPIRONOLACTONE, therapeutic use
2073. Lajos L, Szabó T, Vereczky G, et al: Az indukált humán chorlongonadotropin (HCG) szintézis hólógiál vonatkozásai. Orv Hetil 114:2526-7, 21 Oct 73 (Hun)
ANIMAL EXPERIMENTS/ CULTURE MEDIA/ FEMALE/ FROGS/ *GONADOTROPINS, CHORIONIC, biosynthesis/ GONADOTROPINS, CHORIONIC, isolation & purification/ HUMAN/ IN VITRO/ RANA ESCULENTA/ TROPHOBLAST, metabolism
2074. Lajtha LG: Review of leukocytes. Natl Cancer Inst Monogr 38:111-5, Jul 73
BONE AND BONES, radiation effects/ CELL DIFFERENTIATION/ CELL DIVISION/ CHALONES, metabolism/ COMPARATIVE STUDY/ ERYTHROCYTES, metabolism/ ERYTHROPOIESIS/ FEEDBACK/ HUMAN/ *LEUKOCYTES, metabolism/ MICE/ MITOSIS/ RADIATION EFFECTS/ SPECIES SPECIFICITY/ TIME FACTORS
2075. Lakowicz JR, Weber G: Quenching of fluorescence by oxygen. A probe for structural fluctuations in macromolecules. Biochemistry 12:4161-70, 9 Oct 73
ANILINO NAPHTHALENESULFONATES/ ANTHRACENES/ CATTLE/ CHEMISTRY/ DIFFUSION/ DNA/ ETHIDIUM/ FLUORESCENCE/ *FLUORESCENT DYES/ IODIDES/ MATHEMATICS/ NAPHTHALENESULFONATES/ *OXYGEN/ PEPTIDES/ RIBOFLAVIN/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ SPECTROMETRY, FLUORESCENCE/ SPECTROMETRY, FLUORESCENCE, instrumentation/ TIME FACTORS/ TRYPTOPHAN
2076. Lal S, De la Vega CE, Sourkes TL, et al: Effect of apomorphine on growth hormone, prolactin, luteinizing hormone and follicle-stimulating hormone levels in human serum. J Clin Endocrinol Metab 37:719-24, Nov 73
ADULT/ APOMORPHINE, administration & dosage/ APOMORPHINE, antagonists & inhibitors/ *APOMORPHINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ *SOMATOTROPIN, blood/ TIME FACTORS
2077. Łańcucki J, Wysocki C, Ratka P, et al: Leczenie oparzeń II degrees okyskortem w aerozolu i maścią synalar w opatrunkach szczelnych (zamkniętych-okluzyjnych). Przegl Dermatol 60:537-42, Jul-Aug 73 (Pol)
ADMINISTRATION, TOPICAL/ ADULT/ AEROSOLS/ BURNS, classification/ *BURNS, drug therapy/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ *FLUOCINOLONE ACETONIDE, administration & dosage/ *FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ OCCLUSIVE DRESSINGS/ OINTMENTS/ *OXYTETRACYCLINE, therapeutic use
2078. Lane JM, Steinberg ME: The role of diphosphonates in osteoporosis of disuse. J Trauma 13:63-9, Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BONE AND BONES, drug effects/ CALCITONIN, therapeutic use/ CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ FEMUR, metabolism/ FLUORIDES, therapeutic use/ HYDROCARBONS, CHLORINATED, therapeutic use/ MALE/ METHANE, therapeutic use/ *ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ *OSTEOPOROSIS, prevention & control/

AUTHOR SECTION

- *PHOSPHONIC ACIDS, therapeutic use/
RATS/ SODIUM ETIDRONATE, therapeutic
use/ TIBIA, metabolism
2079. Lane JT, Ling NR: Rat thymocytes. The allogeneic response and syngeneic effects in mixed cultures with tissue cells from various organs.
Transplantation 16:602-9, Dec 73
ANIMAL EXPERIMENTS/ BRAIN, cytology/
CELLS, CULTURED/ EPITHELIUM, cytology/
KIDNEY, cytology/ LEUKOCYTE CULTURE
TEST, MIXED/ *LYMPHOCYTES, immunology/
MALE/ MITOMYCIN/ RATS/ SKIN, cytology/
THYMIDINE, metabolism/ THYMUS GLAND,
cytology/ *THYMUS GLAND, immunology/
THYROID GLAND, cytology/ TRITIUM
2080. Lane LK, Copenhagen JH Jr, Lindenmayer GE, et al: Purification and characterization of and (3H)ouabain binding to the transport adenosine triphosphatase from outer medulla of canine kidney.
J Biol Chem 248:7197-200, 25 Oct 73
*ADENOSINE TRIPHOSPHATASE, isolation & purification/ ADENOSINE TRIPHOSPHATASE, metabolism/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CHOLIC ACID, pharmacodynamics/ DEOXYCHOLIC ACID, pharmacodynamics/ DOGS/ GLYCERIN/ IODIDES, pharmacodynamics/ *KIDNEY, enzymology/ KIDNEY MEDULLA, cytology/ KIDNEY MEDULLA, enzymology/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ *OUABAIN, metabolism/ PHOSPHORUS RADIOISOTOPES/ POTASSIUM/ PROTEIN BINDING/ SODIUM/ SODIUM, pharmacodynamics/ SOLUBILITY/ TRITIUM
2081. Lanfranchi JM, Fauchier JP: Hypertroïdisme et troubles de la conduction auriculo ventriculaire. A propos d'une observation avec enregistrement du faisceau de His.
Coeur Med Interne 12:371-7, Jul-Sep 73 (Fre)
ADULT/ ELECTROCARDIOGRAPHY/
ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ *HEART BLOCK, etiology/ HUMAN
2082. Lang U, Karlaganis G, Seelig S, et al: Hormone: receptor interactions. Biological activities of (phenylalanine, norvaline)-adrenocorticotropin-(1-24)-tetraoxapeptide and its 4,5-dehydro-4,5-dinitro-norvaline analogue in isolated rat lipocytes and adrenal cortex cells: lipolysis, corticosterone and cyclic adenosine-3',5'-monophosphate production.
Helv Chim Acta 56:1069-72, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADIPOSE TISSUE, metabolism/ *ADRENAL GLANDS, metabolism/ *CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, metabolism/ LIPID MOBILIZATION/ LIPIDS, metabolism/ PEPTIDES, metabolism/ PHENYLALANINE, metabolism/ *RECEPTORS, HORMONE/ TRITIUM/ VALINE, metabolism
2083. Lange CF: Production of hemorrhagic necrosis in guinea pigs with anti-streptococcal antisera.
Res Commun Chem Pathol Pharmacol 6:263-71, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BACTERIAL PROTEINS, analysis/ CELL MEMBRANE, analysis/ CELL MEMBRANE, immunology/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ GUINEA PIGS/ *HEMORRHAGE, chemically induced/ *IMMUNE SERUMS/ *NECROSIS, chemically induced/ POLIOMYELITIS, immunology/ PRECIPITIN TESTS/ RABBITS, immunology/ SKIN TESTS/ STREPTOCOCCUS, cytology/ *STREPTOCOCCUS, immunology
2084. Langellier P, Roberge AG, Boucher R, et al: Effects of chronically administered L-dopa in normal and lesioned cats. J Pharmacol Exp Ther 187:15-26, Oct 73
ANIMAL EXPERIMENTS/ *BRAIN, physiology/
CATS/ CAUDATE NUCLEUS, metabolism/
CORPUS STRIATUM, metabolism/ DOPA, metabolism/ *DOPA, pharmacodynamics/
DOPAMINE, metabolism/
HISTOCYTOCHEMISTRY/ HOMOVANILLIC ACID, metabolism/ HYPOTHALAMUS, metabolism/ NEURAL INTERCONNECTIONS/
NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ SUBSTANTIA NIGRA, metabolism/ THALAMUS, metabolism/ TIME FACTORS
2085. Langlands JP, Sutherland HA: Sulphur as a nutrient for Merino sheep. 1. Storage of sulphur in tissues and wool, and its secretion in milk.
Br J Nutr 30:529-35, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
BODY COMPOSITION/ BODY WEIGHT/
FEMALE/ FETAL MEMBRANES, analysis/
FETUS, analysis/ LACTATION/ MALE/
MILK, metabolism/ OXYTOCIN, pharmacodynamics/ PREGNANCY/
REGRESSION ANALYSIS/ *SHEEP, metabolism/ *SULFUR, metabolism/ UTERUS, analysis/ *WOOL, metabolism
2086. Lanthier A, Sandor T: The effect of 18-hydroxycorticosterone on the salt-secreting gland of the duck (Anas platyrhynchos).
Can J Physiol Pharmacol 51:776-8, Oct 73
ANIMAL EXPERIMENTS/ CHLORIDES, blood/
CHLORIDES, secretion/ *DUCKS, physiology/
*HYDROCORTISONE, pharmacodynamics/
OSMOLAR CONCENTRATION/ POTASSIUM, blood/ POTASSIUM, secretion/ SALT GLAND, drug effects/ *SALT GLAND, secretion/
SODIUM, blood/ SODIUM, secretion/
STIMULATION, CHEMICAL
2087. Lanzola EE, Allegrini ME, Taylor DM: The binding of polonium-210 to rat tissues.
Radiat Res 56:370-84, Nov 73
ANIMAL EXPERIMENTS/ CITRATES/
CYTOSOL, metabolism/ GEL FILTRATION/
KIDNEY, metabolism/ LIVER, metabolism/
LYSOSOMES, metabolism/ MALE/
MICROSOMES, metabolism/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ NITRATES/ POLONIUM, blood/
*POLONIUM, metabolism/ PROTEIN BINDING/
RATS/ SULFATASES, metabolism/ TESTIS, metabolism/ TIME FACTORS
2088. Lapatsanis P: Proceedings: Calcium, phosphorus, and magnesium balance studies in homozygous thalassaemia. Arch Dis Child 48:829, Oct 73
ALKALINE PHOSPHATASE, blood/ BODY HEIGHT/ BODY WEIGHT/ *CALCIUM, metabolism/ CHILD/ HUMAN/ *MAGNESIUM, metabolism/ *PHOSPHORUS, metabolism/
*THALASSEMIA, metabolism
2089. Laragh JH: Vasoconstriction-volume analysis for understanding and treating hypertension: the use of renin and aldosterone profiles.
Am J Med 55:261-74, Sep 73
*ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ *ARTERIES, physiology/ BLOOD PRESSURE/ DIURETICS, therapeutic use/
HUMAN/ HYPERALDOSTERONISM, complications/ HYPERTENSION, blood/
HYPERTENSION, drug therapy/
HYPERTENSION, enzymology/
HYPERTENSION, etiology/ *HYPERTENSION, physiology/ HYPERTENSION, MALIGNANT, etiology/ HYPERTENSION, RENAL, etiology/ PROGNOSIS/
PROPRANOLOL, therapeutic use/ *RENIN, blood
2090. Laragh JH: The renin axis in causation, prognosis and treatment of hypertensive disease.
Trans Stud Coll Physicians Phila 41:131-40, Oct 73
ALDOSTERONE, metabolism/ ANGIOTENSIN, metabolism/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, enzymology/
HYPERTENSION, etiology/ PROGNOSIS/
*RENIN, metabolism

AUTHOR SECTION

2091. Laroche C, Caquet R, Remy JM: Résultats obtenus avec un nouveau bêta-bloquant, le pindolol, chez 40 malades atteints d'affections thyroïdiennes. Ann Endocrinol (Paris) 34:236-8, Mar-Apr 73 (Fre)
ADULT/ AGED/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ *GOITER, drug therapy/ HEART DISEASES, drug therapy/ HEART DISEASES, etiology/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPOTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ PINDOLOL, administration & dosage/ PINDOLOL, adverse effects/ *PINDOLOL, therapeutic use/ THYROID HORMONES, therapeutic use
2092. Laskey JW, Parrish JL, Cahill DF: Some effects of lifetime parental exposure to low levels of tritium on the F2 generation. Radiat Res 56:171-9, Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, radiation effects/ BRAIN, metabolism/ BRAIN, radiation effects/ FEMALE/ MALE/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RADIATION DOSAGE/ RADIATION EFFECTS/ *RADIATION INJURIES, EXPERIMENTAL/ RATS/ REPRODUCTION, radiation effects/ TESTIS, metabolism/ TESTIS, radiation effects/ *TRITIUM/ TRITIUM, metabolism/ WATER
2093. Lasser AE, Stein AF: Steroid treatment of hemangiomas in children. Arch Dermatol 108:565-7, Oct 73
ARM/ BUTTOCKS/ EAR NEOPLASMS, drug therapy/ FACIAL NEOPLASMS, congenital/ FACIAL NEOPLASMS, drug therapy/ FEMALE/ HEMANGIOMA, congenital/ *HEMANGIOMA, drug therapy/ HEMANGIOMA, CAVERNOUS, congenital/ *HEMANGIOMA, CAVERNOUS, drug therapy/ HUMAN/ INFANT/ LEG/ NEOPLASMS, MULTIPLE PRIMARY, congenital/ *NEOPLASMS, MULTIPLE PRIMARY, drug therapy/ PERINEUM/ PHARYNGEAL NEOPLASMS, drug therapy/ *PREDNISONE, therapeutic use/ TONGUE NEOPLASMS, congenital/ TONGUE NEOPLASMS, drug therapy
2094. Lastra M de la, Forcelledo ML, Stewart JM: Influence of the tripeptide, PRO-ARG-GLY-(NH₂), on ovulation induced with LH or synthetic LH-FSH releasing hormone in chlorpromazine-treated pro-oestrous rats. J Reprod Fertil 34:531-4, Sep 73
ANIMAL EXPERIMENTS/ ARGinine/ *CHLORPROMAZINE, pharmacodynamics/ DRUG SYNERGISM/ ESTRUS/ FEMALE/ GLYCINE/ *LH, pharmacodynamics/ ORGAN WEIGHT/ OVARY, drug effects/ *OVULATION, drug effects/ *PEPTIDES, pharmacodynamics/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ PROLINE/ RATS
2095. Lastra M de la, Forcelledo ML: Stimulatory effect of L-vasopressin on PMSG-induced ovulation in immature rats. J Reprod Fertil 35:1-6, Oct 73
ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ DARKNESS/ DRUG SYNERGISM/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ *OVULATION, drug effects/ RATS/ TIME FACTORS/ *VASOPRESSIN, pharmacodynamics
2096. Latos DL, Burns WM: Diagnostic pneumomediastinography. South Med J 66:1073-4, Sep 73
AGED/ HUMAN/ MALE/ METHODS/ *MYASTHENIA GRAVIS, complications/ *PNEUMOMEDIASTINUM, DIAGNOSTIC/ THYMOMA, complications/ *THYMOMA, radiography/ THYMUS NEOPLASMS, complications
2097. Latronica RJ, Shukes R: Septic emboli and pulmonary abscess secondary to odontogenic infection. J Oral Surg 31:844-7, Nov 73
ARTHRITIS, RHEUMATOID, drug therapy/ CASE REPORT/ EMBOLISM, complications/ EMBOLISM, etiology/ *FOCAL INFECTION, DENTAL, complications/ HUMAN/ *LUNG ABSCESS, etiology/ LUNG ABSCESS, radiography/ MALE/ MIDDLE AGE/ PERIAPICAL ABSCESS, complications/ PERIODONTITIS, complications/ STEROIDS, therapeutic use
2098. Ludański T, Garczarek B: Zawartość 3-alfa, 20-alfa pregnanolu w moczu kobiet ciężarnych. Pol Tyg Lek 28:1223-5, 6 Aug 73 (Pol)
AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PREGNANCY/ *PREGNANEDIOL, urine/ TIME FACTORS
2099. Laurence EB: The epidermal chalone and keratinizing epithelia. Natl Cancer Inst Monogr 38:61-8, Jul 73
ANIMAL EXPERIMENTS/ CELL DIVISION/ *CHALONES, metabolism/ CHALONES, pharmacodynamics/ COMPARATIVE STUDY/ DEMECOLCINE, pharmacodynamics/ EAR/ EPINEPHRINE, pharmacodynamics/ EPITHELIUM, drug effects/ EPITHELIUM, metabolism/ HYDROCORTISONE, pharmacodynamics/ *KERATIN, biosynthesis/ MALE/ MICE/ MICE, INBRED C57BL/ MITOSIS, drug effects/ ORGAN SPECIFICITY/ SKIN, cytology/ SKIN, drug effects/ *SKIN, metabolism/ SWINE/ TIME FACTORS/ TONGUE
2100. LaVerne AA, DiMalo DJ, Fernandez AJ: Occupational, accidental, explorational carbon dioxide inhalation poisonings, and prevention. Behav Neuropsychiatry 4:33-48, Feb-Sep 73
*ACCIDENTS, INDUSTRIAL/ ACIDOSIS, RESPIRATORY, etiology/ ADULT/ ASPHYXIA, etiology/ AUTOPSY/ CARBON DIOXIDE, adverse effects/ *CARBON DIOXIDE, poisoning/ CARBON DIOXIDE, therapeutic use/ DEXAMETHASONE, administration & dosage/ DRUG ADDICTION, therapy/ HUMAN/ INHALATION THERAPY/ MALE/ MIDDLE AGE/ *OCCUPATIONAL DISEASES, etiology/ PREMEDICATION/ *SEALED CABIN ECOLOGY/ SPACE FLIGHT/ *SUBMARINE MEDICINE/ VITAMINS, administration & dosage
2101. Lavik NJ: Psykologiske reaksjoner på forsinket seksuell modning, respektive forsert modning. Tidsskr Nor Lægeforen 93:1021-4, 20 May 73 (24 ref.) (Nor)
*ADOLESCENT PSYCHOLOGY/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HAMSTERS/ HUMAN/ INTERPERSONAL RELATIONS/ MALE/ MIDDLE AGE/ *PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ REVIEW/ SEX BEHAVIOR/ SEX FACTORS/ SOCIAL CONDITIONS/ SOCIAL CONFORMITY
2102. LaVole VA, Moody EL: Estrogen pre-treatment of corticoid induced parturition in cattle. J Anim Sci 37:770-5, Sep 73
ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ *CATTLE, physiology/ CATTLE DISEASES, prevention & control/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ ESTRADIOL, administration & dosage/ *ESTROGENS, administration & dosage/ ESTROGENS, pharmacodynamics/ ESTRONE, administration & dosage/ FEMALE/ GESTATIONAL AGE/ INJECTIONS, INTRAMUSCULAR/ *LABOR, INDUCED, veterinary/ PLACENTA/ PREGNANCY/ PUERPERAL DISORDERS, prevention & control/ PUERPERAL DISORDERS, veterinary
2103. Lawler SD: HL-A antigens and malignant disease. Br J Cancer 243-9, Aug 73
CHORIOCARCINOMA, immunology/ FEMALE/ GENOTYPE/ *HISTOCOMPATIBILITY ANTIGENS/ HODGKIN'S DISEASE, immunology/ HUMAN/ LEUKEMIA, LYMPHOBLASTIC, immunology/ LEUKEMIA, LYMPHOCYTIC, immunology/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTES, immunology/ MALE/ MARRIAGE/ *NEOPLASMS, immunology/ PHENOTYPE/ POLYMORPHISM (GENETICS)/ PREGNANCY/

AUTHOR SECTION

- PROGNOSIS/ TROPHOBLASTIC TUMOR, immunology
104. Lea OA: On the steroid specificity of the pregnant guinea pig progesterone-binding globulin. *Biochim Biophys Acta* 322:88-74, 21 Sep 73
 BINDING, COMPETITIVE/ CORTICOSTERONE, metabolism/ DESOXYCORTICOSTERONE, metabolism/ DIALYSIS/ ESTROGENS, metabolism/ FEMALE/ *GLOBULINS, metabolism/ GUINEA PIGS/ HUMAN/ HYDROCORTISONE, metabolism/ MATHEMATICS/ *PREGNANCY, ANIMAL/ PREGNANEDIOL, metabolism/ PREGNANEDIONES, metabolism/ PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ STANOLONE, metabolism/ STEROIDS, metabolism/ TESTOSTERONE, metabolism/ TRITIUM
105. Lebedev KA, Ganina VY: Peculiarities of the differentiation of antibody-synthesizing cells during the immunization of animals with several antigens or the injection of phytohemagglutinin. *Sov J Dev Biol* 3:124-32, Mar-Apr 72
 ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *ANTIBODY PRODUCING CELLS, cytology/ ANTIBODY PRODUCING CELLS, immunology/ *ANTIGENS/ CELL DIFFERENTIATION/ CORTISONE, pharmacodynamics/ DIPHTHERIA TOXOID, administration & dosage/ GUINEA PIGS/ *IMMUNIZATION/ IMMUNOLOGIC MEMORY/ IMMUNOSUPPRESSION/ LYMPH NODES, cytology/ LYMPHOCYTE TRANSFORMATION/ MICE/ PLANT AGGLUTININS, antagonists & inhibitors/ *PLANT AGGLUTININS, pharmacodynamics/ SERUM ALBUMIN, BOVINE, administration & dosage/ SPLEEN, cytology
106. Lebkova NP: Ul'trastrukturnye izmeneniia plazmaticheskoi membrany kletok v patologicheskikh usloviakh. *Arkh Patol* 35:25-32, 1973 (Rus)
 ALLOXAN DIABETES, pathology/ ANIMAL EXPERIMENTS/ *CELL MEMBRANE/ DIABETES MELLITUS, pathology/ EAR, MIDDLE, pathology/ EAR NEOPLASMS, pathology/ ENGLISH ABSTRACT/ HEART, radiation effects/ HEPATITIS, INFECTIOUS, pathology/ HUMAN/ ISLET CELL TUMOR, pathology/ LIVER, pathology/ NEPHRITIS, pathology/ PARANGLIOMA, pathology/ RABBITS/ RADIATION EFFECTS/ RATS/ SARCOLEMA, radiation effects/ STRESS, pathology/ THYROID GLAND, radiation effects
107. LeBlanc AD, Bell RL, Johnson PC: Measurement of 127I concentration in thyroid tissue by x-ray fluorescence. *J Nucl Med* 14:816-9, Nov 73
 ADENOCARCINOMA, metabolism/ AUTOPSY/ COMPARATIVE STUDY/ FLUORESCENCE/ GOITER, NODULAR, metabolism/ HUMAN/ *IODINE, metabolism/ *IODINE ISOTOPES/ *RADIOISOTOPE SCANNING/ *THYROID DISEASES, metabolism/ *THYROID GLAND, metabolism/ *THYROID NEOPLASMS, metabolism/ THYROIDECTOMY/ THYROIDITIS, metabolism
108. Lecornu M, Rocaboy JC, Lesaunier P, et al: Variations de l'insuline et de la somathormone plasmatiques lors du test à l'arginine chez l'enfant. *Ann Endocrinol (Paris)* 34:226-7, Mar-Apr 73 (Fre)
 *ARGININE, diagnostic use/ CHILD/ ENGLISH ABSTRACT/ *GROWTH DISORDERS, blood/ HUMAN/ HYPOGLYCEMIA/ *HYPOPITUITARISM, blood/ *INSULIN, blood/ *SOMATOTROPIN, blood/ TIME FACTORS
109. Lederer J, Delhay M, Pottier-Arnould AM, et al: Influence de la testostérone et de ses antagonistes, acétate de cyprotérone et oestradiol sur l'action lipidogène du saccharose chez le rat. *Ann Endocrinol (Paris)* 34:336-40, May-Jun 73 (Fre)
 ANIMAL EXPERIMENTS/ CASTRATION/ CHOLESTEROL, blood/ *CYPROTERONE, pharmacodynamics/ DIETARY FATS/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ *ESTRONE, pharmacodynamics/ FEMALE/ HYPERLIPEMIA, blood/ HYPERLIPEMIA, chemically induced/ *LIPIDS, blood/ MALE/ OILS/ RATS/ SUCROSE, metabolism/ *SUCROSE, pharmacodynamics/ TESTOSTERONE, antagonists & inhibitors/ *TESTOSTERONE, pharmacodynamics
2110. Lednicher D, Emmert DE, Lahti R, et al: Partly reduced biphenyls as central nervous system agents. 3. Cis- and trans-4-aryl-4-methoxycyclohexylamines. *J Med Chem* 16:1251-6, Nov 73
 ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BIPHENYL COMPOUNDS, chem synthesis/ BIPHENYL COMPOUNDS, pharmacodynamics/ BIPHENYL COMPOUNDS, toxicity/ CARBON RADIOISOTOPES/ *CENTRAL NERVOUS SYSTEM, drug effects/ CONVULSIONS, prevention & control/ *CYCLOHEXYLAMINE, chem synthesis/ CYCLOHEXYLAMINE, pharmacodynamics/ CYCLOHEXYLAMINE, toxicity/ LETHAL DOSE 50/ MALE/ METHYL ETHERS, chem synthesis/ METHYL ETHERS, pharmacodynamics/ METHYL ETHERS, toxicity/ MICE/ MICE, INBRED STRAINS/ MOTOR ACTIVITY, drug effects/ MYOCARDIUM, metabolism/ NICOTINE, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ SPLEEN, metabolism/ STEREOISOMERS/ TRITIUM
2111. Lee DB, Goldman R, Gonick HC: Letter: Hypercalcemia after kidney transplant. *N Engl J Med* 289:1256-7, 6 Dec 73
 HUMAN/ *HYPERCALCEMIA, etiology/ *KIDNEY, transplantation/ *POSTOPERATIVE COMPLICATIONS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS
2112. Lee JC, Perrin J, Blomberg D: Letter: Mosaic Turner syndrome in a newborn. *JAMA* 228:1122, 26 Nov 73
 FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ *MOSAICISM/ *TURNER'S SYNDROME, familial & genetic
2113. Lee P, Jasani MK, Dick WC, et al: Evaluation of a functional index in rheumatoid arthritis. *Scand J Rheumatol* 2:71-7, 1973
 *ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, physiotherapy/ ARTHRITIS, RHEUMATOID, surgery/ ARTHROPLASTY/ ASPIRIN, therapeutic use/ CLINICAL RESEARCH/ *DISABILITY EVALUATION/ DRUG EVALUATION/ FOLLOW-UP STUDIES/ HUMAN/ PLACEBOS/ PREDNISOLONE, therapeutic use/ QUESTIONNAIRES/ SELF CONCEPT
2114. Lee P, Webb J, Anderson J, et al: Method for assessing therapeutic potential of anti-inflammatory antirheumatic drugs in rheumatoid arthritis. *Br Med J* 2:685-8, 23 Jun 73
 *ANTI-INFLAMMATORY AGENTS, therapeutic use/ *ARTHRITIS, RHEUMATOID, drug therapy/ ASPIRIN, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ METHODS/ PAIN/ PLACEBOS/ PREDNISONE, therapeutic use/ SELF CONCEPT
2115. Lee TY, Jamieson AM, Schafer IA: Changes in the composition and structure of glycosaminoglycans in the human placenta during development. *Pediatr Res* 7:965-77, Dec 73
 CHONDROITIN, analysis/ CHONDROITIN, metabolism/ CHROMATOGRAPHY/ ELECTROPHORESIS/ FEMALE/ GESTATIONAL AGE/ HEPARIN, analysis/ HUMAN/ HYALURONIC ACID, analysis/ HYALURONIDASE, metabolism/ LYASES, metabolism/ MOLECULAR CONFORMATION/ MOLECULAR WEIGHT/ *MUCOPOLYSACCHARIDES, metabolism

AUTHOR SECTION

- *PLACENTA, metabolism/ PREGNANCY/
STRUCTURE-ACTIVITY RELATIONSHIP
2116. Leeton J: The relationship of oral contraception to depressive symptoms.
Aust NZ J Obstet Gynaecol 13:115-20, May 73
ADULT/ CLINICAL RESEARCH/
*CONTRACEPTIVES, ORAL, adverse effects/
*DEPRESSION, chemically induced/
DEPRESSION, REACTIVE, etiology/
ESTROGENS, physiology/ ETHYNODIOL
DIACETATE, adverse effects/ FEMALE/
HUMAN/ NAUSEA, chemically induced/
PLACEBOS/ PROGESTERONE, physiology/
PSYCHIATRIC STATUS RATING SCALES/
VAGINAL SMEARS/ VOMITING, chemically induced
2117. Leeton J, Eyles M: A study of 2,245 women attending a hospital family planning clinic in Melbourne and the effect of the clinic on the hospital birth rate.
Med J Aust 2:67-70, 14 Jul 73
ATTITUDE TO HEALTH/ AUSTRALIA/
*BIRTH RATE/ CONTRACEPTION/
CONTRACEPTIVES, ORAL/ ETHNIC GROUPS/
*FAMILY PLANNING/ FEMALE/ *HOSPITAL
OUTPATIENT CLINICS/ HUMAN/
INTRAUTERINE DEVICES/ OVULATION/
RELIGION/ STERILIZATION, SEXUAL
2118. Leevy CM, Zetterman R: Editorial: Alcoholic hepatitis and corticosteroids. Ann Intern Med 79:739-40, Nov 73
*ADRENAL CORTEX HORMONES, therapeutic use/ *ALCOHOLISM, complications/
BILIRUBIN, blood/ DNA, biosynthesis/
HEPATITIS, TOXIC, blood/ *HEPATITIS,
TOXIC, drug therapy/ HEPATITIS, TOXIC,
mortality/ HUMAN/ LIVER CIRRHOSIS,
complications/ LYMPHOCYTES/ PREDNISONE,
therapeutic use
2119. LeFevre ME: Effects of aldosterone on the isolated substrate-depleted turtle bladder.
Am J Physiol 225:1252-6, Nov 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT/
*BLADDER, drug effects/ BLADDER,
metabolism/ GLUCOSE, metabolism/ OXYGEN
CONSUMPTION, drug effects/ PYRUVATES,
metabolism/ SODIUM, metabolism/
STIMULATION, CHEMICAL/ TIME FACTORS/
TURTLES
2120. Legrand JC, Guillemant S: Données récentes concernant les hormones corticostéroïdes.
Acquis Med Recent 21-32, 1972 (Fre)
*ADRENAL CORTEX HORMONES/ ADRENAL
CORTEX HORMONES, biosynthesis/ ADRENAL
CORTEX HORMONES, pharmacodynamics/
ADRENAL CORTEX HORMONES, physiology/
ADRENAL GLAND DISEASES, enzymology/
CIRCADIAN RHYTHM/ CORTICOTROPIN,
pharmacodynamics/
DESOXYCORTICOSTERONE, physiology/
HUMAN/ HYDROCORTISONE, secretion/
HYDROXYLASES, metabolism/ HYPERPLASIA,
enzymology
2121. Lehmann J: Tryptophan malabsorption in levodopa-treated parkinsonian patients. Effect of tryptophan on mental disturbances.
Acta Med Scand 194:181-9, 1973
AGED/ BRAIN, metabolism/ DEPRESSION,
CHEMICAL/ *DOPA, adverse effects/ DOPA,
pharmacodynamics/ DOPA, therapeutic use/
FEMALE/ HUMAN/ HYDROXYINDOLEACETIC
ACID, biosynthesis/ HYDROXYINDOLEACETIC
ACID, urine/ *INTESTINAL ABSORPTION,
drug effects/ MALE/ MENTAL DISORDERS,
blood/ *MENTAL DISORDERS, etiology/
MENTAL DISORDERS, metabolism/ MIDDLE
AGE/ PARKINSONISM, blood/
*PARKINSONISM, drug therapy/
PARKINSONISM, metabolism/ PSYCHOSES,
SENILE, blood/ SEROTONIN, blood/
*TRYPTOPHAN, blood/ TRYPTOPHAN,
metabolism/ TRYPTOPHAN, urine
2122. Lehmann WD, Lauritzen C, Schumann R: In vitro conversion of (4-14C) dehydroepiandrosterone and androstenedione to oestrogens by the microsomes of placentas from normal, toxemic, diabetic and postmature pregnancies.
Acta Endocrinol (Kbh) 73:771-89, Aug 73
ADULT/ *ANDROSTENEDIONE, metabolism/
CARBON RADIOISOTOPES/ COMPARATIVE
STUDY/ *DEHYDROEPIANDROSTERONE,
metabolism/ *ESTRADIOL, biosynthesis/
*ESTRONE, biosynthesis/ FEMALE/
GESTATIONAL AGE/ HUMAN/ IN VITRO/
*MICROSOMES, metabolism/ PLACENTA,
analysis/ PLACENTA, cytology/ *PLACENTA,
metabolism/ PLACENTA, pathology/
PREGNANCY/ *PREGNANCY
COMPLICATIONS, metabolism/ PREGNANCY
IN DIABETES, metabolism/ PREGNANCY IN
DIABETES, pathology/ PREGNANCY,
PROLONGED/ PREGNANCY TOXEMIAS,
pathology/ PROTEINS, analysis/ TIME
FACTORS
2123. Lehr D, Goldman HW, Casner P: Renin-angiotensin role in thirst: paradoxical enhancement of drinking by angiotensin converting enzyme inhibitor.
Science 182:1031-4, 7 Dec 73
*ANGIOTENSIN, physiology/ ANIMAL
EXPERIMENTS/ CEREBRAL VENTRICLES/
INJECTIONS/ INJECTIONS, SUBCUTANEOUS/
ISOPROTERENOL, pharmacodynamics/
KIDNEY, physiology/ *KININASE II,
antagonists & inhibitors/ LIGATION/ MALE/
NEPHRECTOMY/ *OLIGOPEPTIDES,
pharmacodynamics/ POLYETHYLENE
GLYCOLS, pharmacodynamics/ RATS/ *RENIN,
physiology/ *THIRST, drug effects/ VENA
CAVA, INFERIOR/ WATER DEPRIVATION
2124. Lehr D, Goldman W: Continued pharmacologic analysis of consummatory behavior in the albino rat.
Eur J Pharmacol 23:197-210, Aug 73
ADRENERGIC ALPHA RECEPTOR AGONISTS,
pharmacodynamics/ ADRENERGIC BETA
RECEPTOR AGONISTS, pharmacodynamics/
ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/
ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ ATROPINE,
pharmacodynamics/ CHLORPROMAZINE,
pharmacodynamics/ DEXTRO AMPHETAMINE,
pharmacodynamics/ *DRINKING BEHAVIOR,
drug effects/ *EATING, drug effects/
EPINEPHRINE, pharmacodynamics/ FEEDING
BEHAVIOR, drug effects/ ISOPROTERENOL,
pharmacodynamics/ MALE/ METHYLSERGIDE,
pharmacodynamics/ PROPRANOLOL,
pharmacodynamics/ RATS/ SEROTONIN,
pharmacodynamics/ STEREOTAXIC TECHNIQS/
STIMULATION, CHEMICAL/ TIME FACTORS/
TOLAZOLINE, pharmacodynamics
2125. Leibenguth F: Esterase-2 in Ephestia kuehniella. II. Tissue-specific patterns.
Biochem Genet 10:231-42, Nov 73
ADIPOSE TISSUE, enzymology/ ANIMAL
EXPERIMENTS/ COMPARATIVE STUDY/
ELECTROPHORESIS, STARCH GEL/
*ESTERASES, analysis/ FEMALE/
GASTROINTESTINAL SYSTEM, enzymology/
HEMOLYMPH, enzymology/ HETEROZYGOTE/
HOMOZYGOTE/ *INSECTS, enzymology/
LARVA/ MALE/ ORGAN SPECIFICITY/
PHENOTYPE/ *POLYMORPHISM (GENETICS)/
PUPA/ RECOMBINATION, GENETIC/ TESTIS,
enzymology
2126. Leithe J: Beitrag zur operativen Beseltigung des Hodenhochstands.
Med Klin 68:1195-8, 14 Sep 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ CHILD/
CHILD, PRESCHOOL/ COMPARATIVE
STUDY/ CRYPTORCHISM, drug therapy/
*CRYPTORCHISM, surgery/ ENGLISH
ABSTRACT/ GONADOTROPINS, CHORIONIC,
therapeutic use/ HUMAN/ MALE/ METHODS/
SUTURE TECHNIQS
2127. LeJohn HB, Cameron LE: Cytokinins regulate calcium binding to a glycoprotein from fungal cells.
Biochem Biophys Res Commun 54:1053-60, 1 Oct 73
*ADENINE, pharmacodynamics/ BARIUM,

AUTHOR SECTION

- pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ CELL MEMBRANE, metabolism/ COLORIMETRY/ CYTOLOGICAL TECHNIQUES/ FUNGAL PROTEINS, metabolism/ *GLYCOPROTEINS, metabolism/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ MOLECULAR WEIGHT/ MURAMIDASE, pharmacodynamics/ PHYCOMYCETES, cytology/ *PHYCOMYCETES, metabolism/ *PLANT GROWTH REGULATORS, pharmacodynamics/ POTASSIUM, pharmacodynamics/ PRONASE, pharmacodynamics/ PROTEIN BINDING, drug effects/ SODIUM, pharmacodynamics/ SPORES, FUNGAL, metabolism/ STRONTIUM, pharmacodynamics/ TRYPSIN, pharmacodynamics
128. LeJohn HB, Stevenson RM: Cytokins and magnesium ions may control the flow of metabolites and calcium ions through fungal cell membranes. *Biochem Biophys Res Commun* 54:1061-6, 1 Oct 73
ADENINE, pharmacodynamics/ *ADENINE, pharmacodynamics/ ALLOSTERIC REGULATION/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ *CELL MEMBRANE, metabolism/ HYDROGEN-ION CONCENTRATION/ *MAGNESIUM, physiology/ MERCURY, pharmacodynamics/ *PHYCOMYCETES, metabolism/ *PLANT GROWTH REGULATORS, pharmacodynamics/ TEMPERATURE
129. Lekkerkerker JF, Doorenbos H: The influence of thyroid hormone on calcium absorption from the gut in relation to urinary calcium excretion. *Acta Endocrinol (Khh)* 73:672-80, Aug 73
CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ CREATININE, metabolism/ DEPRESSION, CHEMICAL/ DIHYDROTACHYSTEROL, pharmacodynamics/ DIHYDROTACHYSTEROL, therapeutic use/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPOPARATHYROIDISM, drug therapy/ *HYPOPARATHYROIDISM, metabolism/ *HYPOTHYROIDISM, metabolism/ INTESTINAL ABSORPTION, drug effects/ MYXEDEMA, metabolism/ PHOSPHATES, metabolism/ PHOSPHORUS, blood/ THYROIDECTOMY/ *TRIIODOTHYRONINE, pharmacodynamics
130. Lemaire V, Menkes CJ, Braun S: Polyarthrite lupique avec gangrène des doigts par thrombose artérielle. Un cas avec étude artériographique et anatomique. *Sem Hop Paris* 49:1375-8, 20 Apr 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ AMPUTATION/ ANGIOGRAPHY/ ARTHRITIS, drug therapy/ *ARTHRITIS, etiology/ ARTHRITIS, therapy/ AUTOPSY/ FEMALE/ FINGERS/ *GANGRENE, etiology/ GANGRENE, surgery/ HUMAN/ *LUPUS ERYTHEMATOSUS, DISCOID, complications/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ SEPTICEMIA/ *THROMBOSIS, complications/ THROMBOSIS, pathology/ TUBERCULOSIS, PULMONARY, complications
31. Lemarchand-Béraud T: Importance de la détermination de la TSH plasmatique et du test au TRH en pathologie thyroïdienne. *Ther Umsch* 30:692-7, Oct 73 (Fre)
ENGLISH ABSTRACT/ HUMAN/ METHODS/ *THYROID DISEASES, blood/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use
32. Leme CE, Liberman B, Wajchenberg BL: Effect of norepinephrine, propranolol and phentolamine on the phosphatase action of bovine parathyroid extract in man. *Nephron* 11:365-72, 1973
ADOLESCENCE/ ADULT/ CALCIUM, metabolism/ CATTLE/ CREATININE, metabolism/ HUMAN/ *KIDNEY, drug effects/ MALE/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ PARATHYROID HORMONE, administration & dosage/ PARATHYROID HORMONE, pharmacodynamics/ *PARATHYROID HORMONE, pharmacodynamics/ PHENTOLAMINE, administration & dosage/ *PHENTOLAMINE, pharmacodynamics/ *PHOSPHATES, urine/ PHOSPHORUS, metabolism/ PROPRANOLOL, administration & dosage/ *PROPRANOLOL, pharmacodynamics/ ULTRAFILTRATION
2133. Leme JG, Hamamura L, Migliorini RH, et al: Influence of diabetes upon the inflammatory response of the rat. A pharmacological analysis. *Eur J Pharmacol* 23:74-81, Jul 73
*ALLOXAN DIABETES, complications/ ANIMAL EXPERIMENTS/ BRADYKININ, metabolism/ CARRAGEENAN/ CELLULOSE/ DEXTRAN/ EDEMA, chemically induced/ HISTAMINE LIBERATION/ HYPOGLYCEMIA, chemically induced/ INFLAMMATION, chemically induced/ *INFLAMMATION, complications/ INSULIN, pharmacodynamics/ MALE/ PANCREAS, physiology/ PANCREATICTOMY/ PERMEABILITY/ RATS/ SEROTONIN, metabolism/ TIME FACTORS
2134. Lemež L: Dislocations and malformations of the thyroid glands experimentally produced in 4-day-old chick embryos. *Folia Morphol (Praha)* 21:121-4, 1973
ANIMAL EXPERIMENTS/ CHICK EMBRYO/ ESOPHAGUS, abnormalities/ SITES INVERSUS, complications/ *THYROID GLAND, abnormalities
2135. Lemperg R, Lundgren E: Amino acid naphthylamidases in the synovial fluid of patients with rheumatoid arthritis. The effect of intra-articular corticosteroid treatment. *Scand J Rheumatol* 2:17-20, 1973
ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, enzymology/ *BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRA-ARTICULAR/ ISOENZYMES, blood/ ISOENZYMES, metabolism/ JOINT DISEASES, enzymology/ LEUKOCYTE COUNT/ OSTEOARTHRITIS, enzymology/ PEPTIDE HYDROLASES, blood/ *PEPTIDE HYDROLASES, metabolism/ SPECTROPHOTOMETRY/ *SYNOVIAL FLUID, enzymology/ SYNOVITIS, enzymology/ TIME FACTORS
2136. Lenard HG, Bell EF: Clinical note. Bioelectric brain development in hypothyroidism. A quantitative analysis with EEG power spectra. *Electroencephalogr Clin Neurophysiol* 35:545-9, Nov 73
BRAIN, growth & development/ *CEREBRAL CORTEX, physiology/ CHILD/ CHILD, PRESCHOOL/ COMPUTERS/ *ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ HYPOTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, physiology/ INFANT/ MALE/ PROGNOSIS/ PROTEIN-BOUND IODINE TEST/ *SLEEP/ SLEEP, REM/ THYROID HORMONES, therapeutic use/ THYROXINE, blood
2137. Leonard BE: Some effects of the hallucinogenic drug 2, 5-dimethoxy-4-methyl amphetamine on the metabolism of biogenic amines in the rat brain. *Psychopharmacologia* 32:33-49, 22 Aug 73
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *BIOGENIC AMINES, metabolism/ BRAIN CHEMISTRY/ DOM, pharmacodynamics/ DOPAMINE, metabolism/ MALE/ NOREPINEPHRINE, metabolism/ Piloerection/ RATS/ SEROTONIN, metabolism/ TRYPTOPHAN, metabolism/ TYROSINE, metabolism
2138. Leonard BE, Rigter H: Changes in brain monoamine

AUTHOR SECTION

- metabolism associated with CO₂-induced amnesia in rats. *Br J Pharmacol* 48:351P-352P, Jun 73
 AMINO BUTYRIC ACID, analysis/ *AMNESIA, chemically induced/ AMNESIA, metabolism/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BIOGENIC AMINES, metabolism/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ *CARBON DIOXIDE/ CARBON DIOXIDE, pharmacodynamics/ DOPAMINE, analysis/ ELECTROSHOCK/ HOMOVANILLIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ *NOREPINEPHRINE, analysis/ NORMETANEPHRINE, analysis/ RATS/ SEROTONIN, analysis/ TRYPTOPHAN, analysis/ TYROSINE, analysis
2139. Leonhardt A: Therapie von Mammakarzinom-Kranken. Erfahrungen an einer gynäkologisch-onkologischen Nachbehandlungsklinik. *Munch Med Wochenschr* 115:899-903, 11 May 73 (Ger)
 ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, mortality/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ CASTRATION/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ POSTOPERATIVE CARE/ PROGNOSIS
2140. Leonhardt A, Beaufort F von: Mammakarzinom und gynäkologischer Zweitumor. *Munch Med Wochenschr* 115:1554-60, 14 Sep 73 (Ger)
 ADULT/ AGED/ *BREAST NEOPLASMS, complications/ CARCINOMA IN SITU, complications/ CERVIX NEOPLASMS, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, complications/ UTERINE NEOPLASMS, complications
2141. Leonidas JC, Brill FW, Waldman N: Antiepileptic therapy and rickets in children. *Radiology* 109:409-12, Nov 73
 ADOLESCENCE/ *ANTICONSULSANTS, adverse effects/ ANTICONSULSANTS, therapeutic use/ BARBITURATES, adverse effects/ BARBITURATES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DIAZEPAM, adverse effects/ DIAZEPAM, therapeutic use/ DIPHENYLHYDANTOIN, adverse effects/ DIPHENYLHYDANTOIN, therapeutic use/ EPILEPSY, drug therapy/ EPILEPSY, GRAND MAL, drug therapy/ FEMALE/ HUMAN/ INFANT/ MALE/ MEPHOBARBITAL, adverse effects/ MEPHOBARBITAL, therapeutic use/ PHENOBARBITAL, adverse effects/ PHENOBARBITAL, therapeutic use/ PRIMIDONE, adverse effects/ PRIMIDONE, therapeutic use/ *RICKETS, chemically induced
2142. Lepoutre L, Dhont M, Vandekerckhove D: LH and progesterone in the menstrual cycle: further observations on the relationship with the length of the luteal phase. *Ann Endocrinol (Paris)* 34:327-31, May-Jun 73
 *CORPUS LUTEUM, physiology/ FEMALE/ HUMAN/ *LH, blood/ LH, physiology/ *MENSTRUATION/ METHODS/ PERIODICITY/ *PROGESTERONE, blood/ PROGESTERONE, physiology/ RADIOIMMUNOASSAY/ TIME FACTORS
2143. Leppäluoto J, Männistö PT, Virkkunen P: On the mechanism of goitre formation during lithium treatment in the rat. *Acta Endocrinol (Kbh)* 74:296-306, Oct 73
 ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CARBIMAZOLE, pharmacodynamics/ CHOLESTEROL, blood/ CORTICOSTERONE, blood/ *GOITER, chemically induced/ IODIDES, metabolism/ IODINE RADIOISOTOPES/ *LITHIUM/ LITHIUM, blood/ MALE/ ORGAN WEIGHT/ PERCHLORIC ACIDS/ PITUITARY GLAND, drug effects/ POTASSIUM IODIDE, pharmacodynamics/ PROTEIN-BOUND IODINE TEST/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROTROPIN, blood/ THYROXINE, biosynthesis/ TIME FACTORS/ TRIIODOTHYRONINE, biosynthesis
2144. Leshchinskaya NP: O primeneni solnechnykh vann v kompleksnom kurortno-klimaticheskom lecheni i hol'nykh s posledstviyami zakrytoi travmy cherepa. *Vopr Kurortol Fizioter Lech Fiz Kult* 38:214-7, May-Jun 73 (Rus)
 *HEAD INJURIES, therapy/ HEALTH RESORTS/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ SKIN TEMPERATURE/ SKULL, injuries/ *SUNLIGHT/ USSR
2145. Leshner AI, Collier G: The effects of gonadectomy on the sex differences in dietary self-selection patterns and carcass compositions of rats. *Physiol Behav* 11:671-6, Nov 73
 ADIPOSE TISSUE, analysis/ ANDROGENS, physiology/ ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ *BODY COMPOSITION/ BODY WATER, analysis/ BODY WEIGHT/ *CASTRATION/ *DIET/ DIETARY CARBOHYDRATES/ DIETARY PROTEINS/ DRINKING/ *EATING/ ESTROGENS, physiology/ FEMALE/ MALE/ OVARY, physiology/ PROTEINS, analysis/ RATS/ SEX FACTORS/ TESTIS, physiology
2146. Leshner AI, Walker WA, Johnson AE, et al: Pituitary-adrenocortical activity and intermale aggressiveness in isolated mice. *Physiol Behav* 11:705-11, Nov 73
 *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *AGGRESSION/ AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ CASTRATION/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ MALE/ MICE/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY-ADRENAL SYSTEM, drug effects/ *PITUITARY GLAND, physiology/ SOCIAL ISOLATION/ TESTOSTERONE, pharmacodynamics
2147. Letnansky K: Histone phosphorylation in the regenerating rat liver independent of diurnal rhythmicity. *FEBS Lett* 32:270-2, 1 Jun 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEPATECTOMY/ *HISTONES, metabolism/ LIVER, drug effects/ *LIVER, metabolism/ LIVER, physiology/ *LIVER REGENERATION/ MALE/ PHOSPHOPROTEINS, biosynthesis/ PHOSPHORUS ISOTOPES/ PHOSPHOTRANSFERASES, metabolism/ RATS/ TIME FACTORS
2148. Leusden HA van, Thomas C, Telegdy G, et al: Lack of squalene and lanosterol synthesis by the perfused human placenta at term. *J Steroid Biochem* 4:349-54, Jul 73
 ACETIC ACIDS, metabolism/ CARBON RADIOISOTOPES/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ FEMALE/ HUMAN/ *LANOSTEROL, biosynthesis/ PERFUSION/ *PLACENTA, metabolism/ PREGNANCY/ PREGNENOLONE, analysis/ PROGESTERONE, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *SQUALENE, biosynthesis/ TRITIUM
2149. Lever M, Powell JC, Peace SM: Improved estradiol determination in a continuous flow system. *Biochem Med* 8:188-98, Oct 73
 AUTOANALYSIS, instrumentation/ CATTLE/ CHROMATOGRAPHY, GAS/ COLORIMETRY/ COMPARATIVE STUDY/ *ESTRIOL, urine/ FEMALE/ FLUOROMETRY/ GLUCOSE/ HUMAN/ INDICATORS AND REAGENTS/ IRON/ KINETICS/ MATHEMATICS/ METHODS/ PREGNANCY/ SERUM ALBUMIN,

AUTHOR SECTION

- BOVINE/ SPECTROMETRY, FLUORESCENCE/
STEROIDS/ SULFATES/ SULFURIC ACIDS
150. Levey GS: The role of phospholipids in hormone activation of adenylate cyclase.
Recent Prog Horm Res 29:361-86, 1973 (50 ref.)
*ADENYL CYCLASE, metabolism/ BINDING
SITES/ CATS/ CELL FRACTIONATION/
CELL MEMBRANE, enzymology/ CEPHALINS,
pharmacodynamics/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ DETERGENTS/ GEL
FILTRATION/ GLUCAGON, pharmacodynamics/
HISTAMINE, pharmacodynamics/
ISOPROTERENOL, pharmacodynamics/
MODELS, BIOLOGICAL/ MYOCARDIUM,
cytology/ MYOCARDIUM, enzymology/
NOREPINEPHRINE, pharmacodynamics/
PHOSPHOINOSITIDES, pharmacodynamics/
*PHOSPHOLIPIDS, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/
RECEPTORS, DRUG/ REVIEW/ SOLUBILITY/
ULTRACENTRIFUGATION
151. Levey GS, Klein I: Solubilized myocardial adenylate cyclase: activation by prostaglandins.
Life Sci 13:41-6, 1 Jul 73
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CATS/ COMPARATIVE
STUDY/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ ENZYME ACTIVATION/ FATTY
ACIDS, UNSATURATED, pharmacodynamics/
GUINEA PIGS/ *HEART, drug effects/
*MYOCARDIUM, enzymology/ PHOSPHORUS
RADIOISOTOPES/ PROSTAGLANDINS,
antagonists & inhibitors/ *PROSTAGLANDINS,
pharmacodynamics/ SOLUBILITY
152. Levine LS, Sonenberg M, New MI: Metabolic effects in children of a 37 amino acid fragment of hovine growth hormone. J Clin Endocrinol Metab 37:607-15, Oct 73
ADENOMA, CHROMOPHOBE, metabolism/
ADOLESCENCE/ ALKALINE PHOSPHATASE,
blood/ *AMINO ACIDS, pharmacodynamics/
BLOOD UREA NITROGEN/ CALCIUM, urine/
CHILD/ CHILD, PRESCHOOL/
CRANIOPHARYNGIOMA, metabolism/
CREATINE, urine/ DWARFISM, metabolism/
FEMALE/ FIBRINOGEN, metabolism/
*GROWTH DISORDERS, metabolism/ HUMAN/
HYPOPHYSITIS, metabolism/ INSULIN
RESISTANCE, drug effects/ MALE/
*SOMATOTROPIN, pharmacodynamics/ URIC
ACID, blood
153. Levine M, Danovitch SH: Metastatic carcinoma to the pancreas. Another cause for acute pancreatitis.
Am J Gastroenterol 60:290-4, Sep 73
ACUTE DISEASE/ AMYLASE, blood/
AMYLASE, urine/ CALCIUM, blood/
CARCINOMA, BRONCHOGENIC, complications/
*CARCINOMA, BRONCHOGENIC, pathology/
CARCINOMA, OAT CELL, complications/
*CARCINOMA, OAT CELL, pathology/
DUODENUM/ HUMAN/ INTESTINAL
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*LUNG NEOPLASMS, pathology/ MALE/
MIDDLE AGE/ NECROSIS, pathology/
NEOPLASM METASTASIS/ *PANCREATIC
NEOPLASMS, complications/ PANCREATIC
NEOPLASMS, pathology/ PANCREATITIS,
diagnosis/ *PANCREATITIS, etiology
154. Levine RS: A nanogram method for hydroxyproline.
Mikrochim Acta 5:797-800, 1973
BONE AND BONES, analysis/ COLORIMETRY/
DENTIN, analysis/ *HYDROXYPROLINE,
analysis/ MICROCHEMISTRY
155. Levine S, Sowinski R: Hyperacute allergic encephalomyelitis. A localized form produced by passive transfer and pertussis vaccine.
Am J Pathol 73:247-60, Oct 73
ACUTE DISEASE/ ADRENAL GLANDS,
physiopathology/ ADRENALECTOMY/ ANIMAL
EXPERIMENTS/ BRAIN INJURIES, ACUTE,
pathology/ BURNS, pathology/ DEPRESSION,
CHEMICAL/ ENCEPHALOMYELITIS,
ALLERGIC, etiology/ *ENCEPHALOMYELITIS,
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ENCEPHALOMYELITIS, ALLERGIC, pathology/
ENCEPHALOMYELITIS, ALLERGIC,
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ESCHERICHIA COLI, immunology/ FEMALE/
GUINEA PIGS/ IMMUNITY, CELLULAR/
MALE/ *PASSIVE TRANSFER/ *PERTUSSIS
VACCINE/ RATS/ TIME FACTORS/
WHOOPING COUGH, immunology
2156. Levy JV: Studies on the contractile effects of prostaglandins on aortic strip preparations from spontaneously hypertensive rats.
Res Commun Chem Pathol Pharmacol 6:365-81, Sep 73
ANIMAL EXPERIMENTS/ *AORTA,
THORACIC, drug effects/ BLOOD PRESSURE/
*HYPERTENSION, physiopathology/ IN
VITRO/ *MUSCLE CONTRACTION, drug
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NOREPINEPHRINE, pharmacodynamics/
POTASSIUM CHLORIDE, pharmacodynamics/
*PROSTAGLANDINS, pharmacodynamics/
RATS/ RATS, INBRED STRAINS/ TIME
FACTORS
2157. Levy RI: Hyperlipoproteinemia. Some basic concepts on diagnosis and management.
JAMA 226:648-9, 5 Nov 73
ADULT/ AGE FACTORS/ AGED/
AMINOSALICYLIC ACID, therapeutic use/
*BLOOD PROTEIN DISORDERS/ BLOOD
PROTEIN DISORDERS, classification/ BLOOD
PROTEIN DISORDERS, diagnosis/ BLOOD
PROTEIN DISORDERS, drug therapy/ BLOOD
PROTEIN DISORDERS, enzymology/ BODY
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*LIPOPROTEINS, blood/ LIPOPROTEINS,
HDL, blood/ LIPOPROTEINS, LDL, blood/
LIPOPROTEINS, VLDL, blood/ MIDDLE AGE/
NEOMYCIN, therapeutic use/ NICOTINIC
ACID, therapeutic use/ SODIUM, therapeutic
use/ TRIGLYCERIDES, blood
2158. Lewin T, Jonsson B: Some somatometric data on Swedish females aged 15-70 years. I. Skeletal measurements. A population study with special reference to secular and age changes.
Acta Morphol Neerl Scand 11:175-86, Oct 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ *ANTHROPOMETRY/ *BODY
CONSTITUTION/ BODY HEIGHT/ BODY
WEIGHT/ *BONE AND BONES, anatomy &
histology/ BONE DEVELOPMENT/ FEMALE/
FEMUR, anatomy & histology/ HUMAN/
MIDDLE AGE/ RADIUS, anatomy & histology/
SEX FACTORS/ SWEDEN
2159. Lewis RB, Schulman JD: Influence of acetylsalicylic acid, an inhibitor of prostaglandin synthesis, on the duration of human gestation and labour.
Lancet 2:1159-61, 24 Nov 73
ADULT/ ASPIRIN, administration & dosage/
ASPIRIN, adverse effects/ *ASPIRIN,
pharmacodynamics/ BIRTH WEIGHT/
FEMALE/ HEMORRHAGE, POSTPARTUM,
chemically induced/ HUMAN/ INFANT,
NEWBORN/ *LABOR, drug effects/
*PREGNANCY, drug effects/
*PROSTAGLANDINS, antagonists & inhibitors/
PROSTAGLANDINS, synthesis/
RETROSPECTIVE STUDIES
2160. Lewkonla RM, Buxton PH: Myositis in father and daughter.
J Neurol Neurosurg Psychiatry 36:820-5, Oct 73
ADULT/ ALANINE AMINOTRANSFERASE,
blood/ AZATHIOPRINE, therapeutic use/
CHILD/ CREATINE KINASE, blood/
DERMATOMYOSITIS, familial & genetic/
DERMATOMYOSITIS, immunology/
DERMATOMYOSITIS, pathology/ FEMALE/
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& genetic/ MYOSITIS, immunology/
MYOSITIS, pathology/ PREDNISOLONE,

AUTHOR SECTION

- therapeutic use/ PULMONARY ARTERY, pathology
2161. Li FP, Fraumeni JF Jr, Dalager N: Ovarian cancers in the young. Epidemiologic observations. Cancer 32:969-72, Oct 73
*ADENOCARCINOMA, mortality/ ADOLESCENCE/ ADULT/ AGE FACTORS/ *CARCINOMA, mortality/ CHILD/ CHILD, PRESCHOOL/ *DISGERMINOMA, mortality/ FEMALE/ *GRANULOSA CELL TUMOR, mortality/ HUMAN/ INFANT/ *OVARIAN NEOPLASMS, mortality/ *TERATOID TUMOR, mortality/ UNITED STATES
2162. Liao SK, Suehiro GT, McNamara JJ: Prevention of postoperative intestinal adhesions in primates. Surg Gynecol Obstet 137:816-8, Nov 73
ADHESIONS, pathology/ ADHESIONS, prevention & control/ ANIMAL EXPERIMENTS/ DRUG THERAPY, COMBINATION/ ILEUM, pathology/ *INTESTINAL DISEASES, prevention & control/ LAPAROTOMY, adverse effects/ MACACA/ METHYLPREDNISOLONE, therapeutic use/ MONKEYS/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ PROMETHAZINE, therapeutic use/ RECURRENCE
2163. Liappis N: Geschlechtsspezifische Unterschiede der freien Aminosäuren im Urin von Erwachsenen. Z Klin Chem Klin Biochem 11:279-85, Jul 73 (Ger)
ADOLESCENCE/ ADULT/ *AMINO ACIDS, urine/ ARGinine, urine/ AUTOANALYSIS/ BODY WEIGHT/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL/ ENGLISH ABSTRACT/ ETHANOLAMINES, urine/ FEMALE/ GLYCINE, urine/ HISTIDINE, urine/ HUMAN/ MALE/ MIDDLE AGE/ ORGANOPHOSPHORUS COMPOUNDS, urine/ ORNITHINE, urine/ SEX FACTORS/ TIME FACTORS/ VALINE, urine
2164. Librus H, Pietrokowski J, Ulmanski M, et al: The effect of fluoride on molar socket healing in the rat. Arch Oral Biol 18:1283-9, Oct 73
ADMINISTRATION, ORAL/ ALVEOLAR PROCESS, analysis/ ALVEOLAR PROCESS, anatomy & histology/ ANIMAL EXPERIMENTS/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM, analysis/ *DRY SOCKET, drug therapy/ FEMALE/ FLUORIDATION/ FLUORIDES, administration & dosage/ FLUORIDES, analysis/ *FLUORIDES, therapeutic use/ MANDIBLE, anatomy & histology/ MOLAR/ PHOSPHORUS, analysis/ RATS/ TOOTH EXTRACTION/ *TOOTH EXTRACTION/ *WOUND HEALING, drug effects
2165. Lichtenstein LM, Gillespie E: Inhibition of histamine release by histamine controlled by H2 receptor. Nature 244:287-8, 3 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ANTI-HISTAMINICS, pharmacodynamics/ BASOPHILS, metabolism/ *DIPHENHYDRAMINE, pharmacodynamics/ FEEDBACK/ HISTAMINE, metabolism/ *HISTAMINE, pharmacodynamics/ *HISTAMINE LIBERATION, drug effects/ HUMAN/ HYPERSENSITIVITY, immunology/ IMIDAZOLES, pharmacodynamics/ LEUKOCYTES, immunology/ LEUKOCYTES, metabolism/ *RECEPTORS, DRUG, drug effects/ *THIOUREA, pharmacodynamics
2166. Lidgren L: Orthopaedic infections in patients with rheumatoid arthritis. Scand J Rheumatol 2:92-6, 1973
ADULT/ AGED/ *ARTHRITIS, INFECTIOUS, etiology/ ARTHRITIS, INFECTIOUS, microbiology/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, surgery/ C-REACTIVE PROTEIN, analysis/ CROSS INFECTION/ FEMALE/ FRACTURES, complications/ HEMOLYSINS, analysis/ HUMAN/ MALE/ MIDDLE AGE/ PENICILLIN, pharmacodynamics/ PENICILLIN
- RESISTANCE/ *POSTOPERATIVE COMPLICATIONS/ *STAPHYLOCOCCAL INFECTIONS/ STAPHYLOCOCCUS, analysis/ STAPHYLOCOCCUS, drug effects/ STAPHYLOCOCCUS, isolation & purification/ STEROIDS, therapeutic use/ SYNOVIAL FLUID, microbiology
2167. Lie TS, Nagel K: Nebennieren-Transplantation-gestern und heute. Med Welt 24:937-9, 1 Jun 73 (Ger)
ADDISON'S DISEASE, surgery/ *ADRENAL GLANDS, transplantation/ ANIMAL EXPERIMENTS/ CUSHING'S SYNDROME, surgery/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ RABBITS/ RATS/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS, history
2168. Lie TS, Ottersky G: Effekt der sogenannten Zellstabilisatoren auf die Konservierung der Schweineleber. Bruns Beitr Klin Chir 220:546-58, Aug 73 (Ger)
ALANINE AMINOTRANSFERASE/ ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE/ *CHLORPROMAZINE, pharmacodynamics/ ENGLISH ABSTRACT/ GLUCOSE/ HYPOTHERMIA/ LACTATES/ *LIVER/ LIVER, cytology/ LIVER, drug effects/ *MAGNESIUM, pharmacodynamics/ PERFUSION/ POTASSIUM/ *PREDNISOLONE, pharmacodynamics/ SWINE/ TIME FACTORS/ *TISSUE PRESERVATION
2169. Liebalde GP: Ist die hohe Rückfallquote nach Alkoholentzug bei chronischem Alkoholismus auch neurophysiologisch, metabolisch und hirnmorphologisch begründbar. Fortschr Neurol Psychiatr 41:449-61, Aug 73 (Ger)
ALCOHOL, ETHYL, pharmacodynamics/ *ALCOHOLISM/ ALCOHOLISM, pathology/ ALCOHOLISM, rehabilitation/ BRAIN, pathology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHALAMUS, drug effects/ LIMBIC SYSTEM, drug effects/ RECURRENCE
2170. Liewendahl K, Ruutu R, Lamberg BA: Diagnostic value of serum thyroxine and free thyroxine index. Acta Med Scand 194:341-8, Oct 73
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ GOITER, NODULAR, blood/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, diagnosis/ IODINE RADIOISOTOPES/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROXINE, blood/ TRIIODOTHYRONINE, blood
2171. Liggins GC, Fairclough RJ, Grieves SA, et al: The mechanism of initiation of parturition in the ewe. Recent Prog Horm Res 29:111-59, 1973
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, metabolism/ ESTRADIOL, blood/ ESTROGENS, blood/ FEMALE/ FETUS/ HYDROCORTISONE, blood/ HYPOPHYSECTOMY/ HYPOTHALAMUS, physiology/ *LABOR/ MODELS, BIOLOGICAL/ PITUITARY GLAND, physiology/ PLACENTA, physiology/ *PREGNANCY/ PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS, blood/ *SHEEP/ TRANSCORTIN, metabolism
2172. Lightman SL, Hems DA: Metabolism of adrenaline in the isolated perfused liver of the rat. Biochem Pharmacol 22:2419-23, 1 Oct 73
ANIMAL EXPERIMENTS/ CATECHOL METHYLTRANSFERASE, metabolism/ CORTICOSTERONE, pharmacodynamics/ *EPINEPHRINE, metabolism/ IN VITRO/ KINETICS/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MONOAMINE OXIDASE, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ PERFUSION/ RATS/ TIME FACTORS/ TRITIUM

AUTHOR SECTION

73. Lim YK: Secondary hyperparathyroidism in uraemic patients on chronic haemodialysis—a case report and review. Singapore Med J 14:99-103, Jun 73
ADULT/ *HEMODIALYSIS, adverse effects/
HUMAN/ *HYPERPARATHYROIDISM,
SECONDARY, etiology/
HYPERPARATHYROIDISM, SECONDARY,
surgery/ MALE/ *UREMIA, complications/
UREMIA, therapy
74. Limas CJ, Cohn JN: Isolation and properties of myocardial prostaglandin synthetase. Cardiovasc Res 7:623-8, Sep 73
ANIMAL EXPERIMENTS/ ARACHIDONIC
ACID, pharmacodynamics/ ASPIRIN,
pharmacodynamics/ DOGS/ EPINEPHRINE,
pharmacodynamics/ GLUTATHIONE,
pharmacodynamics/ HYDROGEN-ION
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OXYGENASES, isolation & purification/
PHOSPHOLIPASE, pharmacodynamics/
PROSTAGLANDINS, biosynthesis/
*PROSTAGLANDINS, biosynthesis/ SPLEEN,
enzymology
75. Limber GK, Kling RE, Silverberg SG: Pseudomyxoma peritonei: a report of ten cases. Ann Surg 178:587-93, Nov 73
ADENOCARCINOMA, pathology/ ADULT/
AGED/ APPENDECTOMY/ APPENDICEAL
NEOPLASMS, pathology/ APPENDICEAL
NEOPLASMS, surgery/ CASTRATION/
*CYSTADENOMA, MUCINOUS, drug therapy/
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NEOPLASMS, surgery/ *PERITONEAL
NEOPLASMS, drug therapy/ PERITONEAL
NEOPLASMS, pathology/ PERITONEAL
NEOPLASMS, radiotherapy/ THIO-TEPA,
therapeutic use
76. Lin H: Letter: Retinohypothalamic projections. Invest Ophthalmol 12:714, Sep 73
ANIMAL EXPERIMENTS/ CATS/
*HYPOTHALAMUS, anatomy & histology/
NEURAL INTERCONNECTIONS/ *RETINA
77. Linarelli LG, Bobik J, Bobik C: The effect of parathyroid hormone on rabbit renal cortex adenyl cyclase during development. Pediatr Res 7:878-82, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE CYCLIC 3',5'
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EXPERIMENTS/ ANIMALS, NEWBORN/
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pharmacodynamics/ RABBITS/ SODIUM,
pharmacodynamics/ STIMULATION,
CHEMICAL/ THYROID HORMONES,
physiology/ VASOPRESSIN, pharmacodynamics
78. Lindenfelser R, Schmitt HP, Haubert P: Vergleichende rasterelektronenmikroskopische Knochenuntersuchungen bei primärem und sekundärem Hyperparathyreoidismus. Zur Frage der periosteocytären Osteolyse. Virchows Arch [Pathol Anat] 360:141-54, 9 Aug 73 (Ger)
ADULT/ AGED/ *BONE RESORPTION/
ENGLISH ABSTRACT/ FEMALE/
HEMODIALYSIS/ HUMAN/
*HYPERPARATHYROIDISM, pathology/
HYPERPARATHYROIDISM, SECONDARY,
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complications/ MALE/ MICROSCOPY,
ELECTRON, SCANNING/ MIDDLE AGE/
*OSTEOCYTES/ THORACIC VERTEBRAE,
pathology
2179. Ling W, Coutts JR, Macnaughton MC, et al: Metabolism of (4-14C)17 alpha-hydroxyprogesterone to unconjugated metabolites in the human foeto-placental unit at mid-pregnancy. J Endocrinol 58:463-75, Sep 73
ADRENAL GLANDS, metabolism/
ANDROSTENEDIONE, metabolism/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY/
FEMALE/ *FETUS, metabolism/
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*HYDROXYPROGESTERONE, metabolism/ IN
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*PLACENTA, metabolism/ PREGNANCY/
PREGNANETRIOL, metabolism/ TESTIS,
metabolism/ TESTOSTERONE, metabolism/
UMBILICAL CORD, metabolism
2180. Ling W, Coutts JR, Macnaughton MC, et al: Formation of conjugated metabolites after injection of (4-14C)17 alpha-hydroxyprogesterone into the umbilical vein of the human foetus at mid-pregnancy. J Endocrinol 58:477-84, Sep 73
ADRENAL GLANDS, metabolism/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, THIN
LAYER/ *FETUS, metabolism/
GLUCURONATES, metabolism/ HUMAN/
HYDROCORTISONE, metabolism/
17-HYDROXYCORTICOSTEROIDS, metabolism/
HYDROXYCORTICOSTEROIDS, metabolism/
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*HYDROXYPROGESTERONE, metabolism/ IN
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metabolism/ LIVER, metabolism/ MALE/
PREGNANCY/ PREGNANES, metabolism/
PREGNANETRIOL, metabolism/ SULFATES,
metabolism/ UMBILICAL VEINS
2181. Linquette M, Fossati P, Cappoen JF, et al: Une expérience du traitement de l'acromégalie par l'acétate de médroxyprogestérone. Ann Endocrinol (Paris) 34:220-1, Mar-Apr 73 (Fre)
*ACROMEGALY, drug therapy/ ARGININE/
HUMAN/ HYPERGLYCEMIA/
*MEDROXYPROGESTERONE, therapeutic use/
SOMATOTROPIN
2182. Linthicum FH Jr, Schwartzman JA: Wegener's granulomatosis appearing initially as otitis media. Trans Am Acad Ophthalmol Otolaryngol 76:301-7, Mar-Apr 72
ALPHA GLOBULIN, analysis/ AUTOIMMUNE
DISEASES, diagnosis/ BLOOD PROTEIN
ELECTROPHORESIS/ BLOOD
SEDIMENTATION/ C-REACTIVE PROTEIN,
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*OTITIS MEDIA, diagnosis/ SURGERY,
OPERATIVE, adverse effects/ WEGENER'S
GRANULOMATOSIS, complications/
*WEGENER'S GRANULOMATOSIS, diagnosis/
WEGENER'S GRANULOMATOSIS, drug
therapy
2183. Lipatnikov VF: Khimicheskaya kastratsiya zhivotnykh. Veterinarilla 9:82-3, Sep 72 (Rus)
ANIMAL EXPERIMENTS/ *CASTRATION/
MALE/ *TESTIS, drug effects
2184. Lippert TH, Modly T: Induction of abortion by the extra-amniotic administration of prostaglandin gels.

AUTHOR SECTION

- J Obstet Gynaecol Br Commonw 80:1025-7, Nov 73
 *ABORTION, INDUCED/ ADULT/ *AMNION/
 FEMALE/ GELS, therapeutic use/ HUMAN/
 PREGNANCY/ *PROSTAGLANDINS,
 administration & dosage/ PROSTAGLANDINS,
 therapeutic use/ TIME FACTORS
2185. Lippman AJ, Helson C, Helson L, et al: Clinical trials of
 cis-diamminedichloroplatinum (NSC-119875).
 Cancer Chemother Rep 57:191-200, Apr 73
 ADULT/ AGED/ BLEOMYCIN,
 therapeutic use/ BLOOD UREA NITROGEN/
 BONE AND BONES, drug effects/
 CREATININE, metabolism/ DIAMMONIUM
 CHLOROPLATINUM COMPOUNDS,
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 *DIAMMONIUM CHLOROPLATINUM
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 MALE/ MIDDLE AGE/ NAUSEA, chemically
 induced/ NEOPLASMS, blood/ *NEOPLASMS,
 drug therapy/ VOMITING, chemically induced
2186. Lippmann W: Oral antigastric acid secretory activity of
 synthetic prostaglandin analogues (9-oxoprostanoic
 acids). Experientia 29:990-1, 15 Aug 73
 ADMINISTRATION, ORAL/ ANIMAL
 EXPERIMENTS/ CYCLOPENTANE,
 pharmacodynamics/ DEPRESSION, CHEMICAL/
 FATTY ACIDS, pharmacodynamics/ FATTY
 ALCOHOLS, pharmacodynamics/ *GASTRIC
 JUICE, secretion/ GASTRIC MUCOSA, drug
 effects/ INJECTIONS, SUBCUTANEOUS/
 *PROSTAGLANDINS, pharmacodynamics/ RATS
2187. Lippmann W, Seethaler K: Oral anti-ulcer activity of a
 synthetic prostaglandin analogue (9-oxoprostanoic
 acid: AY-22,469). Experientia 29:993-5, 15 Aug 73
 ADMINISTRATION, ORAL/ ANIMAL
 EXPERIMENTS/ CARBOXYLIC ACIDS,
 administration & dosage/ CARBOXYLIC
 ACIDS, pharmacodynamics/ COLD/
 CYCLOPENTANE, administration & dosage/
 CYCLOPENTANE, pharmacodynamics/
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 IMIPRAMINE, pharmacodynamics/
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 PEPTIC ULCER, chemically induced/ PEPTIC
 ULCER, etiology/ *PEPTIC ULCER,
 prevention & control/ PROSTAGLANDINS,
 administration & dosage/ *PROSTAGLANDINS,
 pharmacodynamics/ PYLORUS/ RATS/
 RESERPINE/ STRESS
2188. Lis JT, Schief R: Different cyclic AMP requirements
 for induction of the arabinose and lactose operons of
 Escherichia coli. J Mol Biol 79:149-62, 5 Sep 73
 *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE/ ARABINOSE/
 BACTERIAL PROTEINS, biosynthesis/
 CARBOHYDRATE ISOMERASES, biosynthesis/
 COLIPHAGES/ DNA, BACTERIAL,
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 *ESCHERICHIA COLI/ ESCHERICHIA COLI,
 metabolism/ GALACTOSIDASE, biosynthesis/
 LACTOSE/ *OPERON/ TRANSDUCTION,
 GENETIC
2189. Liston EH, Shershow LW: Concurrence of anorexia
 nervosa and gonadal dysgenesis. A critical review
 with practical considerations.
 Arch Gen Psychiatry 29:834-6, Dec 73 (28 ref.)
 ADOLESCENCE/ ADULT/ *ANOREXIA
 NERVOSA, complications/ ANOREXIA
 NERVOSA, diagnosis/ ANOREXIA NERVOSA,
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 CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS,
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 NEWBORN/ REVIEW/ *TURNER'S
 SYNDROME, complications/ TURNER'S
- SYNDROME, diagnosis/ TURNER'S
 SYNDROME, occurrence/ UNITED STATES
2190. Litt IF, Schonberg SK, Cohen MI: Liver disease during
 adolescence. Pediatr Clin North Am 20:945-52, Nov 73
 ACUTE DISEASE/ ADOLESCENCE/ CHRONIC
 DISEASE/ CONTRACEPTIVES, ORAL, adverse
 effects/ COUNSELING/ DIAGNOSIS,
 DIFFERENTIAL/ FEMALE/ HEPATITIS,
 INFECTIOUS, diagnosis/ HEPATITIS,
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 HEPATOLENTICULAR DEGENERATION,
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 adverse effects/ LIVER CIRRHOSIS, diagnosis/
 LIVER CIRRHOSIS, therapy/ *LIVER
 DISEASES, diagnosis/ LIVER DISEASES,
 therapy
2191. Litteria M: Inhibitory action of neonatal
 androgenization on the incorporation of (3H)-lysine in
 specific hypothalamic nuclei of the adult female rat.
 Exp Neurol 41:395-401, Nov 73
 ANIMAL EXPERIMENTS/ ANIMALS,
 NEWBORN/ AUTORADIOGRAPHY/ ESTRUS/
 FEMALE/ *HYPOTHALAMUS, metabolism/
 *LYSINE, metabolism/ NERVE TISSUE
 PROTEINS, metabolism/ OVULATION, drug
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 AND STAINING/ *TESTOSTERONE,
 pharmacodynamics/ TRITIUM
2192. Littmann KP, Gerdes H: Vergleichende Bestimmung
 von Testosteron im menschlichen Urin mittels
 Gaschromatographie respektive kompetitiver
 Proteinbindungsanalyse.
 Z Klin Chem Klin Biochem 11:371-5, Sep 73 (Ger)
 ADOLESCENCE/ ADULT/ AGED/
 ALCOHOLISM, complications/ ALCOHOLISM,
 urine/ BINDING, COMPETITIVE/ CARBON
 RADIOISOTOPES/ CHROMATOGRAPHY, GAS/
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 COMPARATIVE STUDY/ EVALUATION
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 CIRRHOSIS, etiology/ LIVER CIRRHOSIS,
 urine/ MALE/ METHODS/ MIDDLE AGE/
 PROTEIN BINDING/ PUBERTY/ RECEPTORS,
 HORMONE/ *TESTOSTERONE, urine/ TIME
 FACTORS/ TRITIUM
2193. Livingston S, Berman W, Paul LL: Letter:
 Anticonvulsant drugs and vitamin D metabolism
 JAMA 226:787, 12 Nov 73
 *ANTICONVULSANTS, adverse effects/
 ANTICONVULSANTS, therapeutic use/
 EPILEPSY, drug therapy/ HUMAN/ RICKETS,
 chemically induced/ *VITAMIN D, metabolism
2194. LiVolis VA, Feind CR, LoGerfo P, et al: Letter: Whence
 the calcitonin. N Engl J Med 289:1314, 13 Dec 73
 *CALCITONIN, secretion/
 HISTOCYTOCHEMISTRY/ HUMAN/ *THYROID
 GLAND, secretion/ *ZOLLINGER-ELLISON
 SYNDROME, physiopathology
2195. LiVolis VA, Feind CR, LoGerfo P, et al: Demonstration
 by immunoperoxidase staining of hyperplasia of
 parafollicular cells in the thyroid gland in
 hyperparathyroidism.
 J Clin Endocrinol Metab 37:550-9, Oct 73
 ADENOMA, pathology/ CALCITONIN/
 CARCINOMA, pathology/ GOITER,
 EXOPHTHALMIC, pathology/ GOITER,
 NODULAR, pathology/ HUMAN/
 *HYPERPARATHYROIDISM, pathology/
 HYPERPLASIA, pathology/ IMMUNE SERUMS/
 IODINE RADIOISOTOPES/ PARATHYROID
 NEOPLASMS, pathology/ PEROXIDASES/
 RABBITS, immunology/ STAINS AND
 STAINING/ *THYROID GLAND, pathology/
 THYROID NEOPLASMS, pathology/
 THYROIDITIS, LYMPHOMATOUS, pathology
2196. Lloyd JW, Thomas JA, Mawhinney MG: A difference in
 the in vitro accumulation and metabolism of
 testosterone -1,2-3H by the rat prostate gland

AUTHOR SECTION

- following incubation with ovine or bovine prolactin.
Steroids 22:473-83, Oct 73
ANIMAL EXPERIMENTS/ CATTLE/ IN VITRO/ MALE/ *PROLACTIN, pharmacodynamics/ RATS/ SHEEP/ STANOLONE, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM
97. Locallo SA, Colcock BP, Klein S, et al: Panel discussion on surgical management of inflammatory bowel disease. Am J Gastroenterol 80:213-39, Sep 73
ABSCISS, surgery/ BARIUM SULFATE/ COLECTOMY/ *COLITIS, ULCERATIVE, surgery/ COLONIC NEOPLASMS, surgery/ COLOSTOMY/ DIAGNOSIS, DIFFERENTIAL/ DIVERTICULITIS, COLONIC, complications/ *DIVERTICULITIS, COLONIC, surgery/ DIVERTICULOSIS, COLONIC, complications/ DRAINAGE/ ENEMA/ *ENTERITIS, REGIONAL, surgery/ HEMORRHOGE, GASTROINTESTINAL, etiology/ HUMAN/ INTESTINAL FISTULA, surgery/ INTESTINAL OBSTRUCTION, surgery/ INTESTINAL PERFORATION, diagnosis/ INTESTINAL PERFORATION, surgery/ PEPTIC ULCER PERFORATION, diagnosis/ PERITONITIS, surgery/ SIGMOIDOSCOPY/ STEROIDS, adverse effects
98. Locke S, Cohen G, Demblec D: Uptake and accumulation of 3H-6,7-dihydroxytetrahydroisoquinoline by peripheral sympathetic nerves in vivo. J Pharmacol Exp Ther 187:56-67, Oct 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ BIOTRANSFORMATION/ CATECHOL, metabolism/ CHROMAFFIN SYSTEM, metabolism/ CHROMATOGRAPHY, THIN LAYER/ COCAINE, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ GANGLIA, SPINAL, physiology/ HYDROXYDOPAMINE, pharmacodynamics/ IN VITRO/ IRIS, metabolism/ *ISOQUINOLINES, metabolism/ MALE/ MICE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ NERVE ENDINGS, metabolism/ *PERIPHERAL NERVES, metabolism/ RATS/ SUBMANDIBULAR GLAND, metabolism/ *SYMPATHETIC NERVOUS SYSTEM, metabolism/ TIME FACTORS/ TRITIUM
99. Lodi A, Ravaglia G, Ferramosca B, et al: Aspetti eziopatogenetici degli infantilonanismi cosiddetti "non endocrini". Minerva Med 64:2940-1, 28 Jul 73 (Ita)
ADOLESCENCE/ ADULT/ BODY HEIGHT/ CHILD/ *DWARFISM, etiology/ DWARFISM, physiopathology/ ECHINOCOCCOSIS, HEPATIC, complications/ HUMAN/ *INFANTILISM, etiology/ INFANTILISM, physiopathology/ LIVER, physiopathology/ LIVER FUNCTION TESTS/ MALE/ SPLENOMEGALY, complications
100. (Loeb RF): Robert Frederick Loeb. Lancet 2:1038, 3 Nov 73
ACADEMIES AND INSTITUTES, history/ ADDISON'S DISEASE, history/ CURRENT BIOG-OBIT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ SOCIETIES, MEDICAL, history/ UNITED STATES
101. (Loeb RF): R.F. Loeb. Br Med J 4:303, 3 Nov 73
ADDISON'S DISEASE, history/ BIOLOGY, history/ CURRENT BIOG-OBIT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ UNITED STATES
102. Loh HS, Wilson CW: Vitamin C: plasma and taste threshold circadian rhythms, their relationship to plasma cortisol. Int J Vitam Nutr Res 43:355-62, 1973
ADULT/ *ASCORBIC ACID, blood/ CIRCADIAN RHYTHM/ DARKNESS/ DIFFERENTIAL THRESHOLD/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ LIGHT/ MALE/ REGRESSION ANALYSIS/ TASTE/ TIME FACTORS
103. London DR, Butt WR, Lynch SS, et al: Hormonal responses to intranasal luteinizing hormone releasing hormone. J Clin Endocrinol Metab 37:829-31, Nov 73
ADULT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *FSH, blood/ HUMAN/ INJECTIONS/ *LH, blood/ *LH-FSH RELEASING HORMONE, administration & dosage/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ NOSE
2204. Long DM, Chou SN: Transcallosal removal of cranio-pharyngealomas within the third ventricle. J Neurosurg 39:563-7, Nov 73
ADULT/ CEREBRAL VENTRICLE NEOPLASMS, radiography/ *CEREBRAL VENTRICLE NEOPLASMS, surgery/ CHILD/ CORPUS CALLOSUM, surgery/ CRANIOPHARYNGIOMA, radiography/ *CRANIOPHARYNGIOMA, surgery/ FEMALE/ HEMORRHOGE, GASTROINTESTINAL, etiology/ HUMAN/ MALE/ METHODS/ NEOPLASM RECURRENCE, LOCAL/ PNEUMOENCEPHALOGRAPHY/ POSTOPERATIVE COMPLICATIONS
2205. Longevialle P, Milne GW, Fales HM: Chemical ionization mass spectrometry of complex molecules. XI. Stereochemical and conformational effects in the isobutane chemical ionization mass spectra of some steroidal amino alcohols. J Am Chem Soc 95:6666-9, 3 Oct 73
*AMINO ALCOHOLS, analysis/ *BUTANES/ HYDROGENATION/ IONS/ ISOMERISM/ METHODS/ *MOLECULAR CONFORMATION/ *PREGNANES, analysis/ *SPECTRUM ANALYSIS, MASS/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP
2206. Longo LD, Yuen P, Gussek DJ: Anaerobic, glycogen-dependent transport of amino acids by the placenta. Nature 243:531-3, 29 Jun 73
*AMINO ACIDS, metabolism/ AMINOISOBUTYRIC ACID, metabolism/ ANAEROBIC/ ARSENIC, pharmacodynamics/ CARBON RADIOISOTOPES/ DINITROPHENOLS, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEMALE/ *GLYCOGEN, metabolism/ HUMAN/ IN VITRO/ NITROGEN, pharmacodynamics/ *PLACENTA, metabolism/ PREGNANCY/ TIME FACTORS
2207. Lopes OU, Cipolla Neto J: The effect of hypothalamic lesions on the carotid occlusion reflex. J Physiol (Lond) 232:37P-38P, Jul 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BLOODLETTING/ *CAROTID SINUS, physiology/ *HYPOTHALAMUS, physiology/ PULSE/ RATS/ *REFLEX
2208. Lorenz MD, Scott DW, Pulley LT: Medical treatment of canine hyperadrenocorticism with o,p'-DDD. Cornell Vet 63:646-65, Oct 73
ADMINISTRATION, ORAL/ ADRENAL GLAND HYPERFUNCTION, diagnosis/ ADRENAL GLAND HYPERFUNCTION, drug therapy/ ADRENAL GLAND HYPERFUNCTION, pathology/ ADRENAL GLAND HYPERFUNCTION, surgery/ *ADRENAL GLAND HYPERFUNCTION, veterinary/ ANIMAL EXPERIMENTS/ DDD, administration & dosage/ *DDD, therapeutic use/ DDD, toxicity/ DOG DISEASES, diagnosis/ *DOG DISEASES, drug therapy/ DOG DISEASES, pathology/ DOG DISEASES, surgery/ DOGS/ FEMALE/ HYDROCORTISONE, blood/ LIVER FUNCTION TESTS/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS
2209. Lorschelder FL, Mears GJ: Effects of extended lactation and 9 alpha-fluoroprednisolone acetate on serum thyroxine and lactational performance. J Endocrinol 58:393-403, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ *FLUPREDNISOLONE, pharmacodynamics/ *LACTATION/ PROTEIN BINDING/ RATS/ THYROID GLAND, drug effects/ *THYROXINE, blood/ TIME FACTORS
2210. Lotem M, Maor P, Levi M: Rupture of the extensor tendons of the hand in lupus erythematosus

AUTHOR SECTION

- disseminatus. Ann Rheum Dis 32:457-9, Sep 73
HAND/ HUMAN/ *LUPUS ERYTHEMATOSUS,
SYSTEMIC, complications/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, drug therapy/
MALE/ MIDDLE AGE/ PREDNISONE,
therapeutic use/ RUPTURE, SPONTANEOUS,
complications/ RUPTURE, SPONTANEOUS,
pathology/ RUPTURE, SPONTANEOUS,
surgery/ SYNOVIAL MEMBRANE, pathology/
*TENDONS/ TENDONS, pathology/ TENDONS,
surgery
2211. Loten EG, Sneyd JG: Evidence for separate sites of
action for the antipolytic effects of insulin and
prostaglandin E1. Endocrinology 93:1315-22, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADIPOSE TISSUE, drug effects/
ADIPOSE TISSUE, enzymology/ ADIPOSE
TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ CAFFEINE,
pharmacodynamics/ DIBUTYRYL CYCLIC
AMP, metabolism/ *INSULIN,
pharmacodynamics/ *LIPID MOBILIZATION,
drug effects/ MALE/ PHOSPHODIESTERASES,
metabolism/ *PROSTAGLANDINS,
pharmacodynamics/ RATS/ THEOPHYLLINE,
pharmacodynamics
2212. Lotti G, Azzena GB, Rolandi E, et al: Effects of
hypothalamic electrical stimulation on the urinary
testosterone glucuronide in the adult male rat.
Horm Res 4:197-206, 1973
ANIMAL EXPERIMENTS/ CEREBELLUM,
physiology/ CHROMATOGRAPHY, GAS/
ELECTRIC STIMULATION/ ELECTRODES,
IMPLANTED/ FRONTAL LOBE, physiology/
GLUCURONATES, urine/ *HYPOTHALAMUS,
physiology/ MALE/ OCCIPITAL LOBE,
physiology/ RATS/ *TESTOSTERONE, urine/
TIME FACTORS
2213. Louda B: Aktivní sportovkyňe a gynekologická
problematika. Cesk Gynekol 38:546-7, Jul 73 (Cze)
*ANABOLIC STEROIDS, administration &
dosage/ FEMALE/ HUMAN/ MENSTRUATION/
*OVULATION/ PHYSICAL EDUCATION AND
TRAINING/ SPORT MEDICINE/ *SPORTS
2214. Lowe JS, Turner EH: The effect of adjuvant arthritis
and drugs on the ability of rat plasma to inhibit the
triton X-100 induced lysis of rabbit
polymorphonuclear leucocyte granules.
Biochem Pharmacol 22:2069-78, 1 Sep 73
ADJUVANTS, IMMUNOLOGIC/ ANIMAL
EXPERIMENTS/ ANTI-INFLAMMATORY
AGENTS, pharmacodynamics/ *ARTHRITIS,
blood/ ARTHRITIS, chemically induced/
CHLOROBENZENES, pharmacodynamics/
CHLOROQUINE, pharmacodynamics/
CORTISONE, pharmacodynamics/
ESCHERICHIA COLI/ ESTRADIOL,
pharmacodynamics/ GERM-FREE LIFE/
*HEMOLYSIS, drug effects/ IN VITRO/
*LEUKOCYTES, drug effects/ LYSOSOMES,
drug effects/ MALE/ MEMBRANES, drug
effects/ PARAMETHASONE,
pharmacodynamics/ PREDNISOLONE,
pharmacodynamics/ PROGESTERONE,
pharmacodynamics/ RABBITS/ RATS/
*SURFACE-ACTIVE AGENTS, antagonists &
inhibitors/ SURFACE-ACTIVE AGENTS,
pharmacodynamics/ TESTOSTERONE,
pharmacodynamics/ THIAZOLES,
pharmacodynamics/ TIME FACTORS/
VITAMIN K, pharmacodynamics
2215. Lowenstein J: Hypokalemia and hyperkalemia.
Med Clin North Am 57:1435-9, Nov 73 (14 ref.)
BIOLOGICAL TRANSPORT/ DIURETICS,
therapeutic use/ HOMEOSTASIS/ HUMAN/
HYPERALDOSTERONISM, complications/
*HYPERKALEMIA/ HYPERKALEMIA, drug
therapy/ HYPERKALEMIA, etiology/
HYPERKALEMIA, pathology/
HYPOKALEMIA/ HYPOKALEMIA, pathology/
ION EXCHANGE RESINS, therapeutic use/
KIDNEY TUBULES, DISTAL, physiology/
POTASSIUM, metabolism/ POTASSIUM, urine/
POTASSIUM DEFICIENCY, etiology/ REVIEW
2216. Lowry PJ, McMartin C, Peters J: Properties of a
simplified bioassay for adrenocorticotrophic activity
using the steroidogenic response of isolated adrenal
cells. J Endocrinol 59:43-55, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
analysis/ ADRENAL CORTEX HORMONES,
biosynthesis/ *ADRENAL GLANDS,
metabolism/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ CELLS, CULTURED/
CORTICOSTERONE, analysis/
*CORTICOTROPIN, analysis/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FLUOROMETRY/
HUMAN/ IN VITRO/ INSULIN, analysis/
METHODS/ MSH, analysis/
PROSTAGLANDINS, analysis/ RABBITS/
RATS/ STIMULATION, CHEMICAL/ SWINE
2217. Lox CD, Christian CD, Scott WC, et al: Estriol-the
hormone of pregnancy. Ariz Med 30:620-2, Sep 73
COMPARATIVE STUDY/ COSTS AND COST
ANALYSIS/ ESTRIOL, blood/ *ESTRIOL,
metabolism/ ESTRIOL, urine/ FEMALE/
FETUS, growth & development/
GESTATIONAL AGE/ HUMAN/
*MATERNAL-FETAL EXCHANGE/
PREGNANCY/ RADIOIMMUNOASSAY
2218. Lox CD, Christian CD, Scott WC, et al: Evaluation of
serum estriol levels in high risk pregnancy.
Ariz Med 30:623-5, Sep 73
*ESTRIOL, blood/ FEMALE/ FETAL DEATH/
GESTATIONAL AGE/ HUMAN/ PREGNANCY/
*PREGNANCY COMPLICATIONS, blood/
RADIOIMMUNOASSAY/ ULTRASONICS,
diagnostic use
2219. Lozoya X, Maass R: Inyección intraventricular de
acetilcolina en el cerebro de gato.
Arch Invest Med (Mex) 4:139-44, 1973 (Spa)
*ACETYLCHOLINE, administration & dosage/
ACETYLCHOLINE, blood/ ACETYLCHOLINE,
cerebrospinal fluid/ ACETYLCHOLINE,
metabolism/ ANIMAL EXPERIMENTS/
*BRAIN, metabolism/ CARBON
RADIOISOTOPES/ CATS/ CAUDATE
NUCLEUS, metabolism/ CEREBRAL
VENTRICLES, metabolism/ ENGLISH
ABSTRACT/ HYPOTHALAMUS, metabolism/
INJECTIONS, INTRATHECAL/ THALAMUS,
metabolism
2220. Lubicz-Nawrocki CM, Chang MC: The comparative
efficacy of testosterone, progesterone, and
dehydroepiandrosterone for the maintenance of
fertilizing capacity in castrated hamsters.
Biol Reprod 9:295-9, Oct 73
ANIMAL EXPERIMENTS/ *CASTRATION/
COMPARATIVE STUDY/
DEHYDROEPIANDROSTERONE, administration
& dosage/ *DEHYDROEPIANDROSTERONE,
pharmacodynamics/ *FERTILIZATION, drug
effects/ HAMSTERS/ MALE/
PROGESTERONE, administration & dosage/
*PROGESTERONE, pharmacodynamics/
SPERMATOZOA, drug effects/
TESTOSTERONE, administration & dosage/
*TESTOSTERONE, pharmacodynamics
2221. Lubicz-Nawrocki CM, Glover TD: The influence of the
testis on the survival of spermatozoa in the
epididymis of the golden hamster, Mesocricetus
auratus. J Reprod Fertil 34:315-29, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/
CELL SURVIVAL/ *EPIDIDYMIS/
EPIDIDYMIS, cytology/ EPITHELIAL CELLS/
FERTILIZATION/ FRUCTOSE, analysis/
GONADOTROPINS, CHORIONIC/ HAMSTERS/
HYPOPHYSECTOMY/ MALE/ PITUITARY
GLAND, physiology/ SEMINAL VESICLES,
analysis/ SPERM CAPACITATION/
*SPERMATOZOA, physiology/ *TESTIS,
physiology/ TESTOSTERONE, physiology
2222. Lubicz-Nawrocki CM, Glover TD: The influence of 17
alpha-methyl-B-nortestosterone (SK & F 7690) on the
fertilizing ability of spermatozoa in hamsters.
J Reprod Fertil 34:331-9, Aug 73
ANIMAL EXPERIMENTS/ CASTRATION/
CELL SURVIVAL/ DEPRESSION, CHEMICAL/
EPIDIDYMIS/ EPIDIDYMIS, anatomy &

AUTHOR SECTION

- histology/ *FERTILIZATION, drug effects/
FRUCTOSE, analysis/ HAMSTERS/ LEYDIG
CELLS, drug effects/ LIBIDO, drug effects/
MALE/ *NORMETHANDROLONE,
pharmacodynamics/ SEMINAL VESICLES,
analysis/ SPERM CAPACITATION/
SPERMATOGENESIS, drug effects/
*SPERMATOOZA, drug effects/ TESTIS,
anatomy & histology/ TESTOSTERONE,
pharmacodynamics
223. Lubicz-Nawrocki CM, Hooker RH, Chang MC:
Fertilizing ability of hamster spermatozoa following
subcutaneous implantation or insertion into seminal
vesicles of silastic tubes containing estradiol
benzoate. Fertil Steril 24:872-6, Nov 73
ANIMAL EXPERIMENTS/ BENZOATES,
administration & dosage/ BENZOATES,
pharmacodynamics/ ESTRADIOL, administration
& dosage/ *ESTRADIOL, pharmacodynamics/
FEMALE/ *FERTILITY, drug effects/
FERTILIZATION, drug effects/ HAMSTERS/
MALE/ METHODS/ ORGAN WEIGHT/
PREGNANCY/ SEMINAL VESICLES/
SILICONE ELASTOMERS/ *SPERMATOOZA,
drug effects/ SPERMATOOZA, physiology/
TESTIS
224. Lucht U, Maunsbach AB: Effects of parathyroid
hormone on osteoclasts in vivo. An ultrastructural and
histochemical study.
Z Zellforsch Mikrosk Anat 141:529-44, 14 Aug 73
ACID PHOSPHATASE/ ANIMAL
EXPERIMENTS/ BONE RESORPTION, drug
effects/ CALCIUM/ CELL NUCLEUS/
CELLULAR INCLUSIONS/ ENDOPLASMIC
RETICULUM/ GOLGI APPARATUS/
HISTOCYTOCHEMISTRY/ LIPIDS/
LYSOSOMES/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ OSTEOBLASTS, cytology/
OSTEOCLASTS, cytology/ *OSTEOCLASTS,
drug effects/ OSTEOCYTES, cytology/
*PARATHYROID HORMONE,
pharmacodynamics/ PHAGOCYTOSIS/
PHOSPHORUS/ RATS/ RIBOSOMES/ TIBIA
225. Lührtrath H, Weller O, Hammes P, et al: Zur
Behandlung der Panarteriitis nodosa mit
Immunsuppressiva und Glukokortikoiden.
Med Welt 24:1129-32, 13 Jul 73 (Ger)
ADULT/ AZATHIOPRINE, therapeutic use/
DRUG THERAPY, COMBINATION/ FEMALE/
*GLUCOCORTICOIDS, therapeutic use/
HUMAN/ *IMMUNOSUPPRESSIVE AGENTS,
therapeutic use/ MALE/
METHYLPREDNISOLONE, therapeutic use/
MIDDLE AGE/ *PERIARTERITIS NODOSA,
drug therapy/ PREDNISOLONE, therapeutic
use/ PREDNISONE, therapeutic use
226. Luciani JM, Vagner-Capodano AM, Devicor-Vullet M,
et al: Presumptive fluorescent evidence for
spermatocyte with X+Y+Y diakinetically univalents in
an XYY male. Clin Genet 4:415-6, 1973
ADULT/ BIOPSY/ CELL COUNT/
FLUORESCENT DYES/ HUMAN/
KARYOTYPING/ LYMPHOCYTES, cytology/
MALE/ MEIOSIS/ MOSAICISM/ *SEX
CHROMOSOME ABNORMALITIES/
*SPERMATOOZA/ STERILITY, MALE, familial
& genetic/ SYNDROME/ TESTIS, pathology
227. Luisi M, Franchi F, Simonini N, et al: The description
and evaluation of a competitive protein-binding
radioassay of 17alpha-hydroxyprogesterone in human
plasma. Horm Res 4:74-83, 1973
ADOLESCENCE/ ADULT/ BINDING,
COMPETITIVE/ CHROMATOGRAPHY, THIN
LAYER/ ENDOCRINE DISEASES, blood/
FEMALE/ HUMAN/
*HYDROXYPROGESTERONE, blood/ INFANT/
MALE/ MENSTRUATION/ METHODS/
PROTEIN BINDING/ SERUM GLOBULINS/
TIME FACTORS/ TRITIUM
228. Lund N: Letter: Anaphylactic reaction induced by
infusion of haemaccel. Br J Anaesth 45:929, Aug 73
*ANAPHYLAXIS, chemically induced/
ANAPHYLAXIS, drug therapy/ CALCIUM,
therapeutic use/ EDEMA, chemically induced/
HYDROCORTISONE, therapeutic use/
*PEPTIDES, adverse effects/ *PLASMA
SUBSTITUTES, adverse effects/ POLYMERS,
adverse effects/ URTICARIA, chemically
induced
2229. Lundgren D: Influence of estrogen and progesterone on
exudation, inflammatory cell migration and
granulation tissue formation in preformed cavities.
Scand J Plast Reconstr Surg 7:10-4, 1973
ANIMAL EXPERIMENTS/ CASTRATION/
*ESTRADIOL, pharmacodynamics/ *EXUDATES
AND TRANSUDATES, drug effects/ FEMALE/
*GRANULATION TISSUE, drug effects/
INFLAMMATION/ LEUKOCYTE COUNT/
LEUKOCYTES/ METHODS/ POLYMORPHISM
(GENETICS), drug effects/
POLYTETRAFLUOROETHYLENE/
*PROGESTERONE, pharmacodynamics/ RATS/
TIME FACTORS/ *WOUND HEALING, drug
effects
2230. Lunina NV: K mekhanizmu vlianiia narusheniia
funktsii shchitovidnoi zhelezy na
postgemorrhagicheskii éritropoéz.
Patol Fiziol Eksp Ter 17:61-3, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ *ERYTHROPOIESIS/
*HEMORRHAGE, physiopathology/
HYPERTHYROIDISM, physiopathology/
HYPOTHYROIDISM, physiopathology/
METHYLTHIOURACIL, pharmacodynamics/
RABBITS/ *THYROID GLAND,
physiopathology/ THYROID HORMONES,
pharmacodynamics/ VITAMIN B 12,
pharmacodynamics
2231. Lupan DM, Cazin J Jr: Pathogenicity of Allescheria
boydii for mice. Infect Immun 8:743-51, Nov 73
ANIMAL EXPERIMENTS/ BRAIN, pathology/
CORTISONE, administration & dosage/
INJECTIONS, INTRAPERITONEAL/
INJECTIONS, INTRAVENOUS/ INJECTIONS,
SUBCUTANEOUS/ LETHAL DOSE 50/ LUNG,
pathology/ MICE/ *MONOSPORIUM,
pathogenicity/ SPECIES SPECIFICITY
2232. Lüth J, Weiss J, Luppä H: Enzymhistochemische
Untersuchungen am Hypothalamus der Ratte nach
Oxytozinbelastung.
Acta Biol Med Ger 30:647-56, May 73 (Ger)
ACID PHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ ENGLISH ABSTRACT/
*ESTERASES, metabolism/
HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS,
enzymology/ INFUSIONS, PARENTERAL/
LACTATE DEHYDROGENASE, metabolism/
MALE/ OXYTOCIN, administration & dosage/
*OXYTOCIN, pharmacodynamics/ RATS
2233. Luthardt FW, Donahue RP: Pronuclear DNA synthesis
in mouse eggs. An autoradiographic study.
Exp Cell Res 82:143-51, Nov 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ *CELL NUCLEUS,
metabolism/ CHROMOSOMES/ CYTOPLASM,
metabolism/ *DNA, biosynthesis/ DNA
REPLICATION/ FEMALE/ FERTILIZATION/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ HUMAN/ MICE/ MITOSIS/
*OVUM, metabolism/ THYMIDINE, metabolism/
TIME FACTORS/ TRITIUM
2234. Luton JP, Seiffert J, Bellanger C, et al: Etude statique et
dynamique de la fonction thyroïdienne au cours d'une
observation de myxoedème primaire avec ectopie
linguale et suspicion d'adénome hypophysaire.
Ann Endocrinol (Paris) 34:232-5, Mar-Apr 73 (Fre)
*ADENOMA, physiopathology/ ADULT/
FEMALE/ HUMAN/ *MYXEDEMA,
physiopathology/ *PITUITARY NEOPLASMS,
physiopathology/ THYROTROPIN, blood/
*THYROTROPIN, secretion
2235. Luttgé WG, Wallis CJ: In vitro accumulation and
saturation of 3H-progestins in selected brain regions
and in the adenohypophysis, uterus and pineal of the
female rat. Steroids 22:493-502, Oct 73
ANIMAL EXPERIMENTS/ *BRAIN,
metabolism/ CASTRATION/ FEMALE/

AUTHOR SECTION

- HIPPOCAMPUS, metabolism/
- HYPOTHALAMUS, metabolism/
- MESENCEPHALON, metabolism/ OCCIPITAL LOBE, metabolism/ OVARY, physiology/
- *PINEAL BODY, metabolism/ *PITUITARY GLAND, metabolism/ *PROGESTERONE, metabolism/ RATS/ TRITIUM/ *UTERUS, metabolism
2236. Lycette RR, Whyte S, Drummond M: Euploidy of cultured human cervical epithelium exposed to oestradiol. *NZ Med J* 78:115-6, 8 Aug 73
- ADULT/ *ANEUPLOIDY, drug effects/ CELLS, CULTURED/ *CERVIX UTERI, drug effects/ EPITHELIAL CELLS, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MIDDLE AGE
2237. Lycke E, Roos BE: Brain monoamines in guinea pigs with experimental allergic encephalitis. *Int Arch Allergy Appl Immunol* 45:341-51, 1973
- ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ *BRAIN CHEMISTRY/ COMPLEMENT FIXATION TESTS/ DOPAMINE, analysis/ ENCEPHALITIC BASIC PROTEINS/ *ENCEPHALOMYELITIS, ALLERGIC, metabolism/ GUINEA PIGS/ HOMOVANILLIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, analysis/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ NOREPINEPHRINE, analysis/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ SPINAL CORD, analysis/ TRYPTOPHAN, pharmacodynamics
2238. Lyneham RC, Low PA, McLeod JC, et al: Convulsions and electroencephalogram abnormalities after intra-amniotic prostaglandin F2a. *Lancet* 2:1003-5, 3 Nov 73
- *ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ *CONVULSIONS, chemically induced/ CONVULSIONS, diagnosis/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, complications/ FEMALE/ HUMAN/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, cerebrospinal fluid/ PROSTAGLANDINS, pharmacodynamics
2239. Lynfield YL, Pertschuk LP, Zimmerman A: Pemphigus erythematosus provoked by allergic contact dermatitis. Occurrence many years after thymoma removal. *Arch Dermatol* 108:890-3, Nov 73
- AGED/ BENZOIN, adverse effects/ CARCINOMA, BASAL CELL, surgery/ *DERMATITIS, CONTACT, complications/ DERMATITIS, CONTACT, etiology/ DERMATITIS, CONTACT, immunology/ DERMATITIS, CONTACT, pathology/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *LUPUS ERYTHEMATOSUS, DISCOID, etiology/ LUPUS ERYTHEMATOSUS, DISCOID, immunology/ LUPUS ERYTHEMATOSUS, DISCOID, pathology/ MALE/ *PEMPHIGUS, etiology/ PEMPHIGUS, immunology/ PEMPHIGUS, pathology/ SKIN NEOPLASMS, surgery/ SKIN TESTS/ THYMOMA, pathology/ *THYMOMA, surgery/ THYMUS NEOPLASMS, pathology/ *THYMUS NEOPLASMS, surgery/ TIME FACTORS
2240. Lynn J, Williams L, O'Brien J, et al: Effects of estrogen upon bile: implications with respect to gallstone formation. *Ann Surg* 178:514-24, Oct 73
- ANIMAL EXPERIMENTS/ *BILE, analysis/ BILE, secretion/ BILE ACIDS AND SALTS, secretion/ *CHOLELITHIASIS, etiology/ CHOLESTEROL, secretion/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRIOL, administration & dosage/ *ESTRIOL, pharmacodynamics/ FEMALE/ *LIVER, drug effects/ LIVER, secretion/ MACACA/ MONKEYS/ PHOSPHOLIPIDS, secretion/ SECRETORY RATE, drug effects
2241. Lyon MF, Hendry I, Short RV: The submaxillary salivary glands as test organs for response to androgen in mice with testicular feminization. *J Endocrinol* 58:357-62, Sep 73
- ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ GENES/ HETEROZYGOTE/ KIDNEY, drug effects/ MALE/ MICE/ NERVE GROWTH FACTOR, analysis/ ORGAN WEIGHT/ SUBMANDIBULAR GLAND, analysis/ *SUBMANDIBULAR GLAND, drug effects/ SUBMANDIBULAR GLAND, pathology/ *TESTICULAR FEMINIZATION, pathology/ *TESTOSTERONE, pharmacodynamics
- ## M
2242. Maas B, Ruhrmann G, Wilmanns W: Erfahrungen mit Adriamycin bei der Behandlung kindlicher Leukämien und Tumoren. *Monatsschr Kinderheilkd* 121:390-2, Jul 73 (Ger)
- ACUTE DISEASE/ ADOLESCENCE/ ADRIAMYCIN, administration & dosage/ ADRIAMYCIN, adverse effects/ *ADRIAMYCIN, therapeutic use/ HUMAN/ *LEUKEMIA, drug therapy/ LUNG NEOPLASMS, drug therapy/ *LYMPHOSARCOMA, drug therapy/ NEOPLASM METASTASIS/ *NEPHROBLASTOMA, drug therapy/ *NEUROBLASTOMA, drug therapy/ PREDNISOLONE, therapeutic use/ REMISSION/ TIME FACTORS
2243. Macafee CA, Beischer NA, McBride F: Subnormal maternal urinary oestriol excretion when the fetus has diabetes insipidus, optic atrophy, and absence of the septum pellucidum. *Aust NZ J Obstet Gynaecol* 13:105-6, May 73
- ADULT/ CASE REPORT/ DIABETES INSIPIDUS, complications/ *DIABETES INSIPIDUS, urine/ *ESTRIOL, urine/ FEMALE/ *FETAL DISEASES, urine/ HUMAN/ INFANT, NEWBORN/ MALE/ OPTIC ATROPHY, complications/ *OPTIC ATROPHY, urine/ PREGNANCY/ *SEPTUM PELLUCIDUM, abnormalities
2244. McBride WJ, Aprison MH, Hingtgen JN: Effects of alpha-methyl-meta-tyrosine, alpha-methyl-meta-tyramine and metaraminol on the serotonin content in preparations of whole tissue and synaptosomes from the telencephalon of the pigeon. *Neuropharmacology* 12:769-76, Aug 73
- ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ CARBON RADIOISOTOPES/ HYDROXYINDOLEACETIC ACID, metabolism/ *METARAMINOL, pharmacodynamics/ *METHYLTYROSINES, pharmacodynamics/ NERVE ENDINGS, metabolism/ PIGEONS/ *SEROTONIN, metabolism/ *SYNAPTOSOMES, metabolism/ *TELENCEPHALON, cytology/ TELENCEPHALON, metabolism/ *TYRAMINE, pharmacodynamics
2245. McCaa RE, Bower JD, McCaa CS: Relative influence of acute sodium and volume depletion on aldosterone secretion in nephrectomized man. *Circ Res* 33:555-62, Nov 73
- ALDOSTERONE, blood/ *ALDOSTERONE, secretion/ *BODY FLUIDS, analysis/ BODY WEIGHT/ HEMODIALYSIS/ HUMAN/ HYDROCORTISONE, blood/ *NEPHRECTOMY/ POSTURE/ POTASSIUM, blood/ *SODIUM, blood/ ULTRAFILTRATION
2246. McCaa RE, Read VH, Cowley AW Jr, et al: Influence of acute stimuli on plasma aldosterone concentration in anephric man and kidney allograft recipients. *Circ Res* 33:313-22, Sep 73
- *ALDOSTERONE, blood/ *ANGIOTENSIN II, pharmacodynamics/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ HEMODIALYSIS/ HUMAN/ HYDROCORTISONE, blood/ *KIDNEY, transplantation/ NEPHRECTOMY/ *POSTURE/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ RENIN, blood/ SODIUM, blood/ TRANSPLANTATION, HOMOLOGOUS
2247. McCann EC, Zerner J: Granulosa cell tumor of the ovary in a 7-year-old female with late (12-year) lung metastasis. A case report and discussion.

AUTHOR SECTION

- J Maine Med Assoc 64:201-3, Sep 73
CASE REPORT/ CHILD/ FEMALE/
*GRANULOSA CELL TUMOR, pathology/
GRANULOSA CELL TUMOR, radiotherapy/
GRANULOSA CELL TUMOR, surgery/
HUMAN/ *LUNG NEOPLASMS, pathology/
LUNG NEOPLASMS, surgery/ NEOPLASM
METASTASIS/ NEOPLASM RECURRENCE,
LOCAL, radiotherapy/ NEOPLASM
RECURRENCE, LOCAL, surgery/ *OVARIAN
NEOPLASMS, pathology/ OVARIAN
NEOPLASMS, radiotherapy/ OVARIAN
NEOPLASMS, surgery
48. McConnell B, Seawell PC: Amino protons of cytosine. Chemical exchange, rotational exchange, and salt-induced proton magnetic resonance chemical shifts of aqueous 2',3'-cyclic cytidine monophosphate. Biochemistry 12:4426-34, 23 Oct 73
BROMIDES/ BUFFERS/ CHLORIDES/
COPPER/ *CYCLIC P-OXIDES, analysis/
*CYTOSINE NUCLEOTIDES, analysis/
HYDROGEN-ION CONCENTRATION/ IRON/
MOLECULAR CONFORMATION/ NUCLEAR
MAGNETIC RESONANCE/ PERCHLORIC
ACIDS/ SODIUM/ SODIUM CHLORIDE/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TEMPERATURE/ THIOCYANATES
49. McConnell JB, Glasgow JF, McNair R: Effect on neonatal jaundice of oestrogens and progestogens taken before and after conception. Br Med J 3:605-7, 22 Sep 73
ABORTION, THREATENED, prevention & control/ BILIRUBIN, blood/ BREAST
FEEDING/ CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/
FEMALE/ HUMAN/
HYDROXYPROGESTERONE, adverse effects/
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INFANT FOOD/ INFANT, NEWBORN/
*JAUNDICE, NEONATAL, chemically induced/
MALE/ PREGNANCY/ *PROGESTATIONAL
HORMONES, adverse effects/ TIME FACTORS
50. McCredie J: Thalidomide and congenital Charcot's joints. Lancet 2:1058-61, 10 Nov 73
*ABNORMALITIES, DRUG-INDUCED, etiology/
ABNORMALITIES, DRUG-INDUCED,
radiography/ ANKLE, abnormalities/
*ARTHROPATHY, NEUROGENIC, chemically
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*JOINTS, abnormalities/ JOINTS, radiography/
KNEE, abnormalities/ NEURONS, drug effects/
PREGNANCY/ RADIUS, abnormalities/
SHOULDER, abnormalities/ *THALIDOMIDE,
adverse effects/ TIBIA, abnormalities
51. McCubbin WD, Kay CM: Physicochemical and biological studies on the metal-induced conformational change in troponin A. Implication of carboxyl groups in the binding of calcium ion. Biochemistry 12:4228-32, 9 Oct 73
ACTOMYOSIN, metabolism/ ADENOSINE
TRIPHOSPHATASE, metabolism/ ASPARTIC
ACID/ BARIUM, metabolism/ BINDING
SITES/ CADMIUM, metabolism/ *CALCIUM,
metabolism/ CARBOXYLIC ACIDS/ CATIONS,
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*MUSCLE PROTEINS, metabolism/ OSMOLAR
CONCENTRATION/ PROTEIN
CONFORMATION/ SODIUM DODECYL
SULFATE/ SPECTROMETRY,
FLUORESCENCE/ ULTRACENTRIFUGATION
52. Macdonald GJ, Yoshinaga K, Greep RO: Luteal regression with rat prolactin. Proc Soc Exp Biol Med 143:1031-3, Sep 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM,
drug effects/ *ESTRUS/ FEMALE/
HYPOPHYSECTOMY/ ORGAN WEIGHT/
OVARY, anatomy & histology/ OVARY, drug
effects/ *PROLACTIN, pharmacodynamics/
RATS
2253. McDonald PG, Meyerson BJ: The effect of oestradiol, testosterone and dihydrotestosterone on sexual motivation in the ovariectomized female rat. Physiol Behav 11:515-20, Oct 73
ALCOHOL, ETHYL, pharmacodynamics/
ANIMAL EXPERIMENTS/ CASTRATION/
DIETHYLAMINES, pharmacodynamics/
ELECTROSHOCK/ *ESTRADIOL,
pharmacodynamics/ ESTROGENS, antagonists
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effects/ PHENYL ETHERS, pharmacodynamics/
RATS/ *SEX BEHAVIOR, ANIMAL, drug
effects/ *STANOLONE, pharmacodynamics/
*TESTOSTERONE, pharmacodynamics
2254. McElwain TJ, Wrigley PF, Hunter A, et al: Combination chemotherapy in advanced and recurrent Hodgkin's disease. Natl Cancer Inst Monogr 36:395-402, May 73
ADOLESCENCE/ ADULT/ AGED/
*ANTINEOPLASTIC AGENTS, administration
& dosage/ ANTINEOPLASTIC AGENTS,
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PROCARBAZINE, therapeutic use/
RECURRENCE/ VINBLASTINE, administration
& dosage/ VINBLASTINE, therapeutic use/
VINCISTINE, administration & dosage/
VINCISTINE, therapeutic use
2255. McEnery G, Nash FW: Wiskott-Aldrich syndrome associated with idiopathic infantile cortical hyperostosis (Caffey's disease). Arch Dis Child 48:818-21, Oct 73
*ALDRICH SYNDROME, complications/ BONE
AND BONES, radiography/ CHILD,
PRESCHOOL/ HUMAN/ *HYPEROSTOSIS,
CORTICAL CONGENITAL, complications/
IMMUNOGLOBULINS, analysis/ INFANT/
INFANT, NEWBORN/ MALE/ PURPURA
2256. McEnery PT, Gonzalez LL, Martin LW, et al: Growth and development of children with renal transplants. Use of alternate-day steroid therapy. J Pediatr 83:806-14, Nov 73
ADOLESCENCE/ ANTHROPOMETRY/
*AZATHIOPRINE, administration & dosage/
AZATHIOPRINE, pharmacodynamics/ BLOOD
UREA NITROGEN/ BODY HEIGHT/ CHILD/
*CHILD DEVELOPMENT, drug effects/
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FEMALE/ GRAFT REJECTION, drug effects/
*GROWTH, drug effects/ HUMAN/
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MALE/ *PREDNISONE, administration &
dosage/ PREDNISONE, pharmacodynamics/
PSYCHOSEXUAL DEVELOPMENT, drug
effects/ TIME FACTORS/ TISSUE DONORS/
TRANSPLANTATION, HOMOLOGOUS
2257. McGiff JC, Itskovitz HD: Prostaglandins and the kidney. Circ Res 33:479-88, Nov 73 (72 ref.)
ANGIOTENSIN, pharmacodynamics/ CARDIAC
OUTPUT, drug effects/ DIURESIS/
FEEDBACK/ HUMAN/ KIDNEY, blood supply/
KIDNEY, metabolism/ *KIDNEY, physiology/
LUNG, metabolism/ *PROSTAGLANDINS/
PROSTAGLANDINS, analysis/
PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, blood/
PROSTAGLANDINS, pharmacodynamics/
PROSTAGLANDINS, physiology/ RECEPTORS,
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AUTHOR SECTION

- BLOOD FLOW, drug effects/ RENAL
ARTERY, drug effects/ RENAL VEINS, drug
effects/ REVIEW/ VASCULAR RESISTANCE,
drug effects
2258. MacGregor RR, Chu LL, Hamilton JW, et al: Studies on
the subcellular localization of parathyroid
hormone and parathyroid hormone in the bovine
parathyroid gland: separation of newly synthesized
from mature forms. *Endocrinology* 93:1387-97, Dec 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CARBON RADIOISOTOPES/ CATTLE/
CENTRIFUGATION, DENSITY GRADIENT/
CHROMATOGRAPHY, ION EXCHANGE/
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LEUCINE, metabolism/ LYSINE, metabolism/
MICROSCOPY, ELECTRON/ *PARATHYROID
GLANDS, cytology/ *PARATHYROID
HORMONE, analysis/ PARATHYROID
HORMONE, biosynthesis/ RATS/
SUBCELLULAR FRACTIONS, analysis/
TRITIUM
2259. McGuire WL, DeLaGarza M: Improved sensitivity in
the measurement of estrogen receptor in human
breast cancer.
J Clin Endocrinol Metab 37:986-9, Dec 73
*BREAST NEOPLASMS/ CENTRIFUGATION,
DENSITY GRADIENT/ CYTOSOL, metabolism/
DITHIOREITOL, diagnostic use/
ESTRADIOL, metabolism/ FEMALE/ HUMAN/
METHODS/ *RECEPTORS, HORMONE/
TEMPERATURE/ TRITIUM
2260. Machońko T: Leczenie ciężkich postaci łysienia
plackowatego doogólnskowymi podskórnymi
wstrzykniwaniami zawiesziny octanu hydrokortyzonu.
Przegl Dermatol 60:531-6, Jul-Aug 73 (Pol)
ADOLESCENCE/ ADULT/ *ALOPECIA
AREATA, drug therapy/ CHILD/ DRUG
EVALUATION/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ HYDROCORTISONE,
administration & dosage/ *HYDROCORTISONE,
therapeutic use/ INJECTIONS,
SUBCUTANEOUS/ MALE/ MIDDLE AGE/
SUSPENSIONS
2261. McIntosh S, Pearson HA: Editorial: Treatment of
childhood leukemia. *J Pediatr* 83:889-902, Nov 73
ACUTE DISEASE/ AGE FACTORS/ CENTRAL
NERVOUS SYSTEM, radiation effects/
CENTRAL NERVOUS SYSTEM DISEASES,
prevention & control/ CENTRAL NERVOUS
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METHOTREXATE, therapeutic use/
PREDNISONE, therapeutic use/ RADIATION
EFFECTS/ REMISSION/ TIME FACTORS/
VINCRIStINE, therapeutic use
2262. McIntyre M, Stein DG: Differential effects of one- vs
two-stage amygdaloid lesions on activity, exploratory,
and avoidance behavior in the albino rat.
Behav Biol 9:451-65, Oct 73
*AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ *AVOIDANCE LEARNING/
BEHAVIOR, ANIMAL/ COMPARATIVE
STUDY/ ELECTROSHOCK/ *EXPLORATORY
BEHAVIOR/ *LOCOMOTION/ MALE/ RATS/
REACTION TIME/ ROTATION/
*STEREOTAXIC TECHNIQS
2263. Mackay NJ: The effects of gonadotropin preparations
and steroid hormones on the ovaries of intact and
gonadotropin-deprived gudgeons, *Hypseleotris galli*.
Gen Comp Endocrinol 21:278-86, Oct 73
ALLYL COMPOUNDS, pharmacodynamics/
ANIMAL EXPERIMENTS/ ESTRONE,
pharmacodynamics/ FEMALE/ *FISHES/
*GONADOTROPINS, pharmacodynamics/
GONADOTROPINS, CHORIONIC,
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PITUITARY, pharmacodynamics/
*METHYLTESTOSTERONE, pharmacodynamics/
*OVARY, drug effects/ *PROGESTERONE,
pharmacodynamics/ *THIOUREA,
pharmacodynamics
2264. MacKechie HL, Squires AH, Platts M, et al: Thymoma,
myasthenia gravis, erythroblastopenic anemia and
systemic lupus erythematosus in one patient.
Can Med Assoc J 109:733-8, 20 Oct 73
AMBENONIUM CHLORIDE, therapeutic use/
*ANEMIA, APLASTIC, complications/
AUTOIMMUNE DISEASES, etiology/ BONE
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BRONCHOPNEUMONIA, pathology/ EYE
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effects/ *THYMOMA, complications/
THYMOMA, radiotherapy/ THYMUS GLAND,
immunology/ *THYMUS NEOPLASMS,
complications/ THYMUS NEOPLASMS,
radiotherapy
2265. McKenna OC, Pinner-Poole B, Rosenbluth J: Golgi
impregnation study of a new
catecholamine-containing cell type in the toad
hypothalamus. *Anat Rec* 177:1-13, Sep 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES,
biosynthesis/ *CATECHOLAMINES,
metabolism/ CATECHOLAMINES, secretion/
CELL MEMBRANE/ *CHROMAFFIN SYSTEM,
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cytology/ HYPOTHALAMUS, metabolism/
HYPOTHALAMUS, secretion/ METHODS/
NEURONS/ STAINS AND STAINING/
TOADS, anatomy & histology
2266. McKenzie BE, Kenney RM: In vitro culture of bovine
embryos. *Am J Vet Res* 34:1271-5, Oct 73
ANIMAL EXPERIMENTS/ *CATTLE,
embryology/ CELL DIVISION/ CULTURE
MEDIA/ EMBRYO/ FEMALE/
FERTILIZATION/ FREEZING/ FSH,
pharmacodynamics/ GONADOTROPINS,
CHORIONIC, pharmacodynamics/
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PREGNANCY/ PRESERVATION, BIOLOGICAL/
PROGESTERONE, pharmacodynamics/
PUBERTY/ SEMEN, cytology/ SPERMATOZOA,
cytology
2267. McKenzie BE, Kenney RM: Histologic features of
ovarian follicles of gonadotropin-injected heifers
Am J Vet Res 34:1033-40, Aug 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ ESTRUS/ FEMALE/ FSH,
administration & dosage/ FSH,
pharmacodynamics/ *GONADOTROPINS,
administration & dosage/ GONADOTROPINS,
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INTRAMUSCULAR/ INJECTIONS,
INTRAVENOUS/ LH, administration & dosage/
LH, pharmacodynamics/ OVULATION/
PROGESTERONE, administration & dosage/
PROGESTERONE, pharmacodynamics
2268. MacKenzie IZ, Hillier K, Embrey MP: Letter:
Convulsions and prostaglandin-induced abortion.
Lancet 2:1323, 8 Dec 73

AUTHOR SECTION

- *ABORTION, INDUCED/ *CONVULSIONS, chemically induced/ FEMALE/ HUMAN/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, adverse effects
269. McKinney TD, Desjardins C: Postnatal development of the testis, fighting behavior, and fertility in house mice. *Biol Reprod* 9:279-94, Oct 73
*AGGRESSION/ ANDROGENS, biosynthesis/ ANDROGENS, blood/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ CARBOHYDRATES, analysis/ CARBON RADIOISOTOPES/ DNA, analysis/ *FERTILITY/ FRUCTOSE, analysis/ MALE/ *MICE, physiology/ ORGAN WEIGHT/ PROTEINS, analysis/ RNA, analysis/ SEX BEHAVIOR, ANIMAL/ SPERMATOGENESIS/ TESTIS, analysis/ TESTIS, cytology/ TESTIS, growth & development/ TESTIS, metabolism/ *TESTIS, physiology/ TIME FACTORS
270. McLaren DS: Undernutrition.
World Rev Nutr Diet 16:141-78, 1973 (25 ref.)
ACID-BASE EQUILIBRIUM/ ASCORBIC ACID DEFICIENCY/ DEHYDRATION/ HUMAN/ KWASHIORKOR/ *NUTRITION DISORDERS/ NUTRITION DISORDERS, etiology/ NUTRITION DISORDERS, therapy/ PROTEIN-CALORIE MALNUTRITION/ REVIEW/ STARVATION, metabolism/ STARVATION, therapy/ THIAMINE DEFICIENCY/ VITAMIN A DEFICIENCY/ VITAMIN B DEFICIENCY/ VITAMIN D DEFICIENCY/ WATER-ELECTROLYTE BALANCE
271. McLaren N, Lifshitz F: Vitamin D-dependency rickets in institutionalized, mentally retarded children on long term anticonvulsant therapy. II. The response to 25-hydroxycholecalciferol and to vitamin D2.
Pediatr Res 7:914-22, Nov 73
ALKALINE PHOSPHATASE, blood/ *ANTICONVULSANTS, adverse effects/ CALCIUM, blood/ CEREBRAL PALSY, complications/ CEREBRAL PALSY, drug therapy/ CHILD/ CHILD, INSTITUTIONALIZED/ CHILD, PRESCHOOL/ DIHYDROTACHYSTEROL, administration & dosage/ DIHYDROTACHYSTEROL, therapeutic use/ ERGOCALCIFEROL, administration & dosage/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ HUMAN/ HYDROXYCHOLECALCIFEROL, administration & dosage/ *HYDROXYCHOLECALCIFEROL, therapeutic use/ MALE/ MENTAL RETARDATION, complications/ MENTAL RETARDATION, drug therapy/ PHOSPHOROUS ACIDS, blood/ *RICKETS, VITAMIN D RESISTANT, chemically induced/ RICKETS, VITAMIN D RESISTANT, drug therapy/ RICKETS, VITAMIN D RESISTANT, radiography/ TIME FACTORS/ VITAMIN D, metabolism/ WRIST, radiography
272. McLarty EL, Glansanti JS, Hibbard ED: X-linked hypomaturational type of amelogenesis imperfecta exhibiting lyonization in affected females.
Oral Surg 38:878-85, Nov 73
*AMELOGENESIS IMPERFECTA, familial & genetic/ AUTOSOME ABNORMALITIES/ CHILD/ FEMALE/ GENES, DOMINANT/ GENES, RECESSIVE/ HUMAN/ MALE/ PEDIGREE/ SEX CHROMOSOME ABNORMALITIES
273. McLean PA, Browne H: Bilateral simultaneous seminoma of the testicles: a case report.
J Ir Med Assoc 66:514-5, 29 Sep 73
ADULT/ DISGERMINOMA, diagnosis/ *DISGERMINOMA, pathology/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS, pathology
274. MacManus JP, Braceland BM, Youdale T, et al: Adrenergic antagonists, and a possible link between the increase in cyclic adenosine 3',5'-monophosphate and DNA synthesis during liver regeneration.
J Cell Physiol 82:157-64, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/
- MONOPHOSPHATE, metabolism/ *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *DNA, biosynthesis/ ETHANOLAMINES, pharmacodynamics/ HEPATECTOMY/ LIVER, analysis/ LIVER, drug effects/ *LIVER REGENERATION/ MALE/ NITRILES, pharmacodynamics/ ORGAN WEIGHT/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYL ETHERS, pharmacodynamics/ PROPANOLAMINES, pharmacodynamics/ PROPANOLOL, pharmacodynamics/ PROPYLAMINES, pharmacodynamics/ RATS/ STEREOISOMERS/ TIME FACTORS
2275. McMillen JJ, Hobbs TR: Munchausen's syndrome featuring hemarthrosis. *Pa Med* 76:85-9, Nov 73
ADDISON'S DISEASE, diagnosis/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *HEMARTHROSIS, complications/ HUMAN/ *MUNCHAUSEN SYNDROME, complications/ MUNCHAUSEN SYNDROME, diagnosis
2276. McNamara DJ, Webb TE: A common component involved in the induction of hepatic tyrosine transaminase by hydrocortisone and glucagon.
Biochim Biophys Acta 313:356-62, 28 Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ AZACYTIDINE, pharmacodynamics/ CYTOSOL, enzymology/ DEOXYADENOSINE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME INDUCTION, drug effects/ *GLUCAGON, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ ULTRACENTRIFUGATION
2277. McNatty KP, Thurley DC: The episodic nature of changes in ovine plasma cortisol levels and their response to adrenalin during adaptation to a new environment. *J Endocrinol* 59:171-80, Oct 73
*ADAPTATION, PHYSIOLOGICAL/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOPA, pharmacodynamics/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, administration & dosage/ EPINEPHRINE, antagonists & inhibitors/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ HABITUATION (PSYCHOPHYSIOLOGY)/ HOUSING, ANIMAL/ *HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ NOREPINEPHRINE, pharmacodynamics/ SHEEP/ TIME FACTORS/ TYROSINE, pharmacodynamics
2278. McNeil TF, Kalj L: Obstetric complications and physical size of offspring of schizophrenic, schizophrenic-like, and control mothers.
Br J Psychiatry 123:341-8, Sep 73
ADULT/ ANTHROPOMETRY/ *BIRTH WEIGHT/ BODY HEIGHT/ FEMALE/ HOSPITALIZATION/ HOSPITALS, PSYCHIATRIC/ HUMAN/ INFANT, NEWBORN/ LABOR COMPLICATIONS/ PLACENTA DISORDERS, complications/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PUERPERAL DISORDERS, complications/ *SCHIZOPHRENIA, complications/ SEX RATIO
2279. McNeill J, Verma SC: Phenylephrine-induced increases in cardiac contractility, cyclic adenosine monophosphate and phosphorylase a.
J Pharmacol Exp Ther 187:296-9, Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLYCOGEN

AUTHOR SECTION

- PHOSPHORYLASE, analysis/ GUINEA PIGS/
*HEART, drug effects/ HEART RATE, drug
effects/ IN VITRO/ *MYOCARDIUM,
enzymology/ NOREPINEPHRINE,
pharmacodynamics/ *PHENYLEPHRINE,
pharmacodynamics/ STIMULATION,
CHEMICAL/ TIME FACTORS
2280. McQueen EG: Anti-inflammatory drug mechanisms.
Drugs 6:104-17, 1973 (43 ref.)
ANTI-HISTAMINICS, pharmacodynamics/
*ANTI-INFLAMMATORY AGENTS,
pharmacodynamics/ BRADYKININ, antagonists
& inhibitors/ COMPLEMENT/ CONNECTIVE
TISSUE, drug effects/ DRUG ANTAGONISM/
HISTAMINE, pharmacodynamics/ HUMAN/
KININS, antagonists & inhibitors/
LYSOSOMES, drug effects/ LYSOSOMES,
enzymology/ OXIDATIVE
PHOSPHORYLATION, drug effects/
PEPTIDES, pharmacodynamics/
PROSTAGLANDINS, antagonists & inhibitors/
PROSTAGLANDINS, pharmacodynamics/
PROTEIN BINDING, drug effects/ REVIEW/
SEROTONIN, pharmacodynamics
2281. McSherry CK, Morrissey KP, Javitt NB, et al: Role of
hepatic bile composition in gallstone formation in
hahoons. Ann Surg 178:669-75, Nov 73
ANIMAL EXPERIMENTS/ BABOONS/ *BILE,
analysis/ BILE ACIDS AND SALTS, analysis/
BILE ACIDS AND SALTS, secretion/
CHOLELITHIASIS, etiology/ CHOLESTEROL,
analysis/ CHOLESTEROL, secretion/ DISEASE
MODELS, ANIMAL/ ESTROGENIC
SUBSTANCES, CONJUGATED,
pharmacodynamics/ ESTROGENS,
pharmacodynamics/ FEMALE/
GASTROINTESTINAL SYSTEM/ *HEPATIC
DUCT/ HUMAN/ LIPIDS, analysis/ LIVER
CIRCULATION/ METHYLPREDNISOLONE,
pharmacodynamics/ MONKEYS/
PHOSPHOLIPIDS, analysis/ PHOSPHOLIPIDS,
secretion/ PREGNANCY/ SODIUM,
pharmacodynamics/ SOLUBILITY
2282. McVicar M, Policastro A, Gort D, et al: Asymptomatic
bacteriuria and the nephrotic syndrome in children.
Nephron 11:325-32, 1973
ADOLESCENCE/ AEROBACTER AEROGENES,
isolation & purification/ *BACTERIURIA,
complications/ BACTERIURIA, occurrence/
CHILD/ CHILD, PRESCHOOL/ ESCHERICHIA
COLI, isolation & purification/ FEMALE/
FOLLOW-UP STUDIES/
GLOMERULONEPHRITIS, complications/
GLOMERULONEPHRITIS, microbiology/
HUMAN/ MALE/ *NEPHROTIC SYNDROME,
complications/ NEPHROTIC SYNDROME, drug
therapy/ PREDNISONE, administration &
dosage/ PREDNISONE, therapeutic use/
PROTEINURIA, etiology/ PROTEUS
MIRABILIS, isolation & purification/
REMISSION/ TIME FACTORS/ URINE,
microbiology
2283. Madan DK, Cadwallader DE: Solubility of cholesterol
and hormone drugs in water.
J Pharm Sci 62:1567-9, Sep 73
CARBON ISOTOPES/ *CHOLESTEROL/
DIETHYLSTILBESTROL/ *HORMONES/
PROGESTERONE/ SOLUBILITY/ SOLVENTS/
TEMPERATURE/ TESTOSTERONE/ TIME
FACTORS/ WATER
2284. Madan ML, Johnson HD: Environmental heat effects on
bovine luteinizing hormone.
J Dairy Sci 56:1420-3, Nov 73
ANIMAL EXPERIMENTS/ BODY
TEMPERATURE/ *CATTLE, physiology/
ENVIRONMENT, CONTROLLED/
ENVIRONMENTAL EXPOSURE/ ESTRUS/
FEMALE/ *HEAT/ *LH, blood/
RADIOIMMUNOASSAY/ TEMPERATURE
2285. Madras BK, Cohen EL, Fernstrom JD, et al: Letter:
Dietary carbohydrate increases brain tryptophan and
decreases free plasma tryptophan.
Nature 244:34-5, 6 Jul 73
ANIMAL EXPERIMENTS/ *BRAIN,
metabolism/ BRAIN CHEMISTRY/ *DIETARY
CARBOHYDRATES, metabolism/ GLUCOSE,
administration & dosage/ MALE/ RATS/
SEROTONIN, biosynthesis/ TRYPTOPHAN,
analysis/ TRYPTOPHAN, blood/
*TRYPTOPHAN, metabolism
2286. Maeda K, Abesamis CM, Kuhn LM, et al: Multiple
myeloma in childhood: report of a case with breast
tumors as a presenting manifestation.
Am J Clin Pathol 60:552-8, Oct 73
ADOLESCENCE/ AGE FACTORS/
ALLOPURINOL, therapeutic use/
AMPICILLIN, therapeutic use/ AUTOPSY/
BLOOD PROTEIN ELECTROPHORESIS/ BONE
MARROW, pathology/ BREAST, pathology/
*BREAST NEOPLASMS/
CYCLOPHOSPHAMIDE, therapeutic use/
FEMALE/ GAMMA GLOBULIN, therapeutic
use/ GLUCOCORTICOIDS, therapeutic use/
HEMOGLOBINOMETRY/ HUMAN/
LEUKOCYTE COUNT/ *MULTIPLE
MYELOMA, diagnosis/ MULTIPLE MYELOMA,
drug therapy/ MULTIPLE MYELOMA,
pathology/ MULTIPLE MYELOMA,
radiotherapy/ OVARY, pathology/ UTERUS,
pathology/ VINCRISTINE, therapeutic use
2287. Maeda Y, Maeda M: The calcium content of the cellular
slime mold, Dictyostellum discoideum, during
development and differentiation.
Exp Cell Res 82:125-30, Nov 73
AUTORADIOGRAPHY/ *CALCIUM, analysis/
CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ CELL DIFFERENTIATION/
ESCHERICHIA COLI, growth & development/
*FUNGI, analysis/ FUNGI, cytology/ FUNGI,
growth & development/ FUNGI, metabolism/
HISTOCYTOCHEMISTRY/ LITHIUM,
pharmacodynamics/ SPECTROPHOTOMETRY
2288. Magalhães A de A: Cisto de ovário simulando
carcinóide. Rev Assoc Med Bras 19:215-6, May 73 (Por)
ADOLESCENCE/ ANIMAL EXPERIMENTS/
*CARCINOID TUMOR, radiography/
DIAGNOSIS, DIFFERENTIAL/ FEMALE/
HUMAN/ *OVARIAN CYSTS, radiography
2289. Maglilo A: Prostaglandins.
J Chem Educ 50:602-3, Sep 73
MUSCLE CONTRACTION, drug effects/
MUSCLE, SMOOTH, drug effects/
PROSTAGLANDINS, isolation & purification/
*PROSTAGLANDINS, metabolism/
PROSTAGLANDINS, pharmacodynamics
2290. Magnussen F: Pubertetspsykoset--realitet eller myte.
Tidsskr Nor Laegeforen 93:1036-40, 20 May 73 (22 ref.)
(Nor)
ADOLESCENCE/ ADULT/ ENGLISH
ABSTRACT/ HUMAN/ *PSYCHOSES, etiology/
*PUBERTY/ REVIEW
2291. Magnussen F: Fysisk modning--psykisk modning.
Tidsskr Nor Laegeforen 93:995-9, 20 May 73 (17 ref.)
(Nor)
ADOLESCENCE/ ADULT/ CHILD/ *CHILD
DEVELOPMENT/ CHILD, PRESCHOOL/
ENGLISH ABSTRACT/ ENVIRONMENT/
FEMALE/ *GROWTH/ HUMAN/ MALE/
PUBERTY/ REVIEW
2292. Magóné KE, Borsy J, Balogh T: Uj félszintetikus
ilzergsavszármazékok előállítása; a
molekulaszerkezet és antiserotonin-hatás
összefüggésének vizsgálata.
Acta Pharm Hung 43:200-6, Sep 73 (Hun)
CENTRAL NERVOUS SYSTEM, drug effects/
ENGLISH ABSTRACT/ *ERGOLINES, chem
synthesis/ ERGONOVINE, toxicity/ HUMAN/
LYSERGIC ACID DIETHYLAMIDE, toxicity/
METHYLSERGIDE, toxicity/ *SEROTONIN,
antagonists & inhibitors
2293. Maherzi H, Hafsia M, Boujenah A: A propos de trois cas
d'hyperplasie congénitale des surrénales.
Tunis Med 50:421-8, Nov-Dec 72 (Fre)
*ADRENAL GLAND HYPERFUNCTION,
congenital/ CHILD, PRESCHOOL/
DEHYDRATION, etiology/ HUMAN/

AUTHOR SECTION

- HYPERPLASIA, congenital/ INFANT/
INFANT, NEWBORN/ MALE/
PSEUDOHERMAPHRODITISM, complications/
*VOMITING, etiology
294. Mahlstedt J, Joseph K: Dekompensation autonomer
Adenome der Schilddrüse nach prolongierter
Jodzufuhr.
Dtsch Med Wochenschr 98:1748-51, 21 Sep 73 (Ger)
ADENOMA, diagnosis/ *ADENOMA,
physiopathology/ ADULT/ ALANINE, adverse
effects/ *CONTRAST MEDIA, adverse effects/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*IOBOENZOATES, adverse effects/ LONG
TERM CARE/ MIDDLE AGE/ PLACEBOS/
PROSPECTIVE STUDIES/ RADIOISOTOPE
SCANNING/ TECHNETIUM, diagnostic use/
THYROID GLAND FUNCTION TESTS/
THYROID NEOPLASMS, diagnosis/ *THYROID
NEOPLASMS, physiopathology/ THYROXINE,
pharmacodynamics/ TIME FACTORS/
TRIIODOTHYRONINE, diagnostic use
295. Mahoudeau D, Singer B, Gilbert JC, et al: A propos d'un
cas de maladie de Shy et Drager. Etudes
hémodynamiques et pharmacodynamiques. Intérêt de
la cyproheptadine.
Rev Neurol (Paris) 126:401-14, Jun 72 (Fre)
*BLADDER, NEUROGENIC/
*CYPROHEPTADINE, therapeutic use/ DOPA,
therapeutic use/ ENGLISH ABSTRACT/
*FECAL INCONTINENCE/ FEMALE/ HUMAN/
*HYPOTENSION, ORTHOSTATIC/
HYPOTENSION, ORTHOSTATIC, drug therapy/
HYPOTENSION, ORTHOSTATIC,
physiopathology/ MIDDLE AGE/ MOVEMENT
DISORDERS, drug therapy/ NEUROLOGIC
MANIFESTATIONS/ *OCULOMOTOR
PARALYSIS/ *SEROTONIN, metabolism/
*URINARY INCONTINENCE/ URINARY
INCONTINENCE, drug therapy
296. Mahran M, Iskander SG: Ovarian gynandroblastoma
presenting with primary amenorrhea.
Int Surg 58:643-5, Sep 73
ADULT/ *AMENORRHEA, etiology/ FEMALE/
*GYNANDROBLASTOMA, complications/
GYNANDROBLASTOMA, pathology/ HUMAN/
*OVARIAN NEOPLASMS, complications/
OVARIAN NEOPLASMS, pathology/ OVARY,
pathology
297. Mains G, Burchell RH, Hofmann T: Identification of the
iodine-sensitive tyrosines in porcine pepsin.
Biochem Biophys Res Commun 54:275-82, 5 Sep 73
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ AUTOANALYSIS/ BINDING SITES/
CARBOXYPEPTIDASES/ CHYMOTRYPSIN/
GEL FILTRATION/ IODIDES/ IODINE/
IODINE RADIOISOTOPES/ PENICILLIUM,
enzymology/ *PEPSIN, analysis/ PEPTIDES,
analysis/ PROTEIN CONFORMATION/ SWINE/
*TYROSINE, analysis
298. Mainwaring WI, Mangan FR: A study of the androgen
receptors in a variety of androgen-sensitive tissues.
J Endocrinol 59:121-39, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
CELL NUCLEUS/ CENTRIFUGATION,
DENSITY GRADIENT/ CHROMATOGRAPHY,
ION EXCHANGE/ CYTOPLASM, enzymology/
DEHYDROEPIANDROSTERONE, metabolism/
EPIDIDYMIS, drug effects/ GUINEA PIGS/
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MICE/ NEOPLASMS, EXPERIMENTAL/
OXIDOREDUCTASES, analysis/ PROSTATE,
drug effects/ PROTEIN BINDING/ RABBITS/
RATS/ *RECEPTORS, HORMONE/ SEMINAL
VESICLES, drug effects/ TESTIS,
drug effects/ TESTOSTERONE, blood/
*TESTOSTERONE, pharmacodynamics/
TRITIUM
299. Mainwaring WI, Wilce PA: The control of the form and
function of the ribosomes in androgen-dependent
tissues by testosterone. Biochem J 134:795-805, Jul 73
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CASTRATION/
CENTRIFUGATION, DENSITY GRADIENT/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CYCLOHEXIMIDE, pharmacodynamics/
DACTINOMYCIN, pharmacodynamics/ MALE/
ORGAN WEIGHT/ PHENYLALANINE,
metabolism/ POLYRIBOSOMES, metabolism/
PROSTATE, anatomy & histology/
*PROSTATE, drug effects/ PROTEINS,
metabolism/ RATS/ *RIBOSOMES, drug
effects/ RNA, MESSENGER, analysis/ RNA,
RIBOSOMAL, analysis/ *TESTOSTERONE,
pharmacodynamics
2300. Mařorchik VE, Vasin NIA, Il'inskiĭ IA: O roli
spetsificheskikh i nespetsificheskikh lader talamusa v
geneze nekotorykh medlennykh ritmov
elektrokortikogrammy cheloveka.
Neirofiziologĭa 5:227-35, May-Jun 73 (Rus)
AMYGDALOID BODY, physiopathology/
CEREBRAL CORTEX, physiopathology/
ELECTRIC STIMULATION/
*ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ *EPILEPSY, physiopathology/
EVOKED POTENTIALS/ HUMAN/
HYPERKINESIS, physiopathology/ PAIN/
*THALAMIC NUCLEI, physiopathology
2301. Maisel RH, Sessions DG, Miller RN: Malignant
hyperpyrexia during general anesthesia. Successful
management of a case.
Ann Otol Rhinol Laryngol 82:729-33, Sep-Oct 73
ADOLESCENCE/ *ANESTHESIA, GENERAL,
adverse effects/ BICARBONATES, therapeutic
use/ BODY TEMPERATURE/
CHLORPROMAZINE, therapeutic use/
DEXAMETHASONE, therapeutic use/
FEMALE/ GLUCOSE, therapeutic use/
HUMAN/ MALIGNANT HYPERTHERMIA,
chemically induced/ MALIGNANT
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*MALIGNANT HYPERTHERMIA, therapy/
PROCAINE, therapeutic use/ RECTUM/
SODIUM, adverse effects/ SODIUM,
therapeutic use/ SUCCINYLCHOLINE, adverse
effects/ THIOFENTAL, adverse effects/ TIME
FACTORS/ WATER
2302. Maistrello I, Rigamonti G, Frova C, et al: Quantitative
effect of topically applied anti-inflammatory agents
on external ocular inflammation in rats.
J Pharm Sci 62:1455-60, Sep 73
ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS, TOPICAL,
therapeutic use/ CROTON OIL/
DEXAMETHASONE, therapeutic use/ DISEASE
MODELS, ANIMAL/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ EDEMA, chemically
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FEMALE/ FLUCINOLONE ACETONIDE,
therapeutic use/ HYDROCORTISONE,
therapeutic use/ INFLAMMATION, drug
therapy/ IRRITANTS/ RATS/ TIME
FACTORS/ TRIAMCINOLONE,
therapeutic use/ TRIAMCINOLONE
ACETONIDE, therapeutic use
2303. Maj J, Pawlowski L: The hypothermic effect of L-dopa
in the rat. Life Sci 13:141-9, 18 Jul 73
ANIMAL EXPERIMENTS/ BENZOATES,
pharmacodynamics/ *BODY TEMPERATURE,
drug effects/ BRAIN, drug effects/ *BRAIN,
metabolism/ *DOPA, pharmacodynamics/
FEMALE/ HYDROXYINDOLEACETIC ACID,
metabolism/ MONOAMINE OXIDASE
INHIBITORS, pharmacodynamics/ PIMOZIDE,
pharmacodynamics/ RATS/ SEROTONIN,
metabolism/ SERYLTRIHYDROXY
BENZYLHYDRAZINE, pharmacodynamics/
SPIRO COMPOUNDS, pharmacodynamics/
TIME FACTORS
2304. Major LF, Brown GL, Wilson WP: Carcinoid and
psychiatric symptoms. South Med J 66:787-90, Jul 73
ADULT/ AFFECTIVE DISTURBANCES,
etiology/ AFFECTIVE DISTURBANCES,
occurrence/ AGED/ ANXIETY, etiology/
BRAIN, metabolism/ *CARCINOID TUMOR,
complications/ CARCINOID TUMOR, drug
therapy/ CARCINOID TUMOR, metabolism/
CYCLOPHOSPHAMIDE, adverse effects/
DEPRESSION, etiology/ DEPRESSION,
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AUTHOR SECTION

- HYDROXYINDOLEACETIC ACID, urine/
*MENTAL DISORDERS, etiology/
METHYLERGIDE, adverse effects/ MIDDLE
AGE/ PERCEPTUAL DISORDERS, etiology/
PERCEPTUAL DISORDERS, occurrence/
PSYCHIATRIC STATUS RATING SCALES/
RETROSPECTIVE STUDIES/ SEROTONIN,
metabolism
2305. Mäkeläinen A, Nikki P, Vapaatalo H:
Halothane-induced lipolysis in rats.
Acta Anaesthesiol Scand 17:170-8, 1973
ADRENAL MEDULLA, physiology/ ALLOXAN
DIABETES, metabolism/ *ANESTHESIA/
ANIMAL EXPERIMENTS/ *BLOOD SUGAR,
metabolism/ BODY TEMPERATURE/
CARBOHYDRATES, metabolism/ *FATTY
ACIDS, NONESTERIFIED, blood/ GLYCERIN,
blood/ HALOTHANE/ *HALOTHANE,
pharmacodynamics/ *LIPID MOBILIZATION,
drug effects/ MALE/ PHENOXYBENZAMINE,
pharmacodynamics/ PROPRANOLOL,
pharmacodynamics/ RATS/ SHIVERING/
STIMULATION, CHEMICAL/
SYMPATHECTOMY/ SYROSINGOPINE,
pharmacodynamics
2306. Makotchenko VM: K voprosu o vliianii
kortikosteroidnykh gormonov na éritropoéz pri
toksicheskoi svin'tsovoi anemii.
Probl Gematol Pereliv Krovi 17:57-60, Nov 72 (Rus)
*ANEMIA, chemically induced/ ANIMAL
EXPERIMENTS/ CHRONIC DISEASE/
ENGLISH ABSTRACT/ *ERYTHROPOIESIS,
drug effects/ GUINEA PIGS/ HUMAN/
*HYDROCORTISONE, therapeutic use/ *LEAD
POISONING, drug therapy/
PITUITARY-ADRENAL FUNCTION TESTS/
TIME FACTORS
2307. Makovich VA: Vliianie steroidnoi terapii na
svertyvalushchuiu i antisvertyvalushchuiu sistemu
krovi u detei rannego vozrasta, bol'nykh ostroi
pnevmoniei.
Vopr Okhr Materin Det 18:86, Mar 73 (Rus)
ACUTE DISEASE/ *BLOOD COAGULATION,
drug effects/ CHILD, PRESCHOOL/ HUMAN/
INFANT/ INFANT, NEWBORN/ *PNEUMONIA,
drug therapy/ *STERIODS, therapeutic use
2308. Malasse WJ: Effect of glibenclamide upon 45 calcium
efflux from perfused islets.
Arch Int Pharmacodyn Ther 203:403-6, Jun 73
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
CELL MEMBRANE PERMEABILITY, drug
effects/ EVOKED POTENTIALS, drug effects/
*GLIBENCLAMIDE, pharmacodynamics/
*ISLANDS OF LANGERHANS, metabolism/
PERFUSION/ RATS
2309. Malatinský E: Liečba adenómu prostaty gestagénmi.
Bratisl Lek Listy 60:106-8, Jul 73 (Slo)
ENGLISH ABSTRACT/ HUMAN/ MALE/
*PROGESTATIONAL HORMONES, therapeutic
use/ *PROSTATIC HYPERTROPHY, drug
therapy
2310. Malcolm J: Adrenergic beta receptor inhibition and
hyperthyroidism.
Acta Cardiol (Brux) Suppl 15:307-2, 1972
ADMINISTRATION, ORAL/ *ADRENERGIC
BETA RECEPTOR BLOCKADERS, therapeutic
use/ ANIMAL EXPERIMENTS/ EYE, drug
effects/ GASTROINTESTINAL SYSTEM, drug
effects/ HEART, drug effects/ HEART
DISEASES, drug therapy/ HEART RATE, drug
effects/ *HYPERTHYROIDISM, drug therapy/
MUSCLE CONTRACTION, drug effects/
MUSCLE, SMOOTH, drug effects/
PROPRANOLOL, administration & dosage/
PROPRANOLOL, therapeutic use/ RATS/
THYROID GLAND, drug effects
2311. Malkasian GD Jr, Decker DG, Jorgensen EO, et al:
6-Dehydro-6,17 alpha-dimethylprogesterone
(NSC-123018) for the treatment of metastatic and
recurrent ovarian carcinoma.
Cancer Chemother Rep 57:241-2, Apr 73
ADULT/ DIABETES MELLITUS, complications/
FEMALE/ HUMAN/ MEDROGESTONE,
therapeutic use/ MIDDLE AGE/ NEOPLASM
METASTASIS/ NEOPLASM RECURRENCE,
LOCAL/ OVARIAN NEOPLASMS,
complications/ *OVARIAN NEOPLASMS, drug
therapy/ OVARIAN NEOPLASMS, surgery/
*PREGNADIENES, therapeutic use/
*PROGESTATIONAL HORMONES, therapeutic
use
2312. Malkinson AM, Kwasniak J, Ashworth JM: Adenosine
3':5'-cyclic monophosphate-binding protein from the
cellular slime mould Dictyostellum discoideum.
Biochem J 133:601-3, Jul 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ BINDING,
COMPETITIVE, drug effects/
DITHIOREITOL/ GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE/ *MYXOMYCETES,
analysis/ MYXOMYCETES, enzymology/
PHOSPHODIESTERASES, isolation &
purification/ *PROTEIN BINDING/
PROTEINS, isolation & purification/ TRITIUM
2313. Malolepszy E: Wyniki testu wodno-solnego u kobiet i
nadczynności tarczycy.
Wiad Lek 26:1687-91, 15 Sep 73 (Pol)
ADULT/ DIAGNOSIS, DIFFERENTIAL/
ENGLISH ABSTRACT/ FEMALE/ *GOITER,
EXOPHTHALMIC, diagnosis/ *GOITER,
NODULAR, diagnosis/ HUMAN/ MIDDLE
AGE/ SEX FACTORS/ SODIUM CHLORIDE,
diagnostic use/ *THYROID GLAND
FUNCTION TESTS/ WATER, diagnostic use
2314. Malseed RT, Baker WW: Analysis of tremorgenic
effects of intracaudate serotonin.
Proc Soc Exp Biol Med 143:1088-93, Sep 73
ACETYLCHOLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CATS/ *CAUDATE
NUCLEUS, drug effects/ DOPAMINE,
pharmacodynamics/
ELECTROENCEPHALOGRAPHY/
METHYLERGIDE, pharmacodynamics/ NEURAL
TRANSMISSION, drug effects/ PARGYLINE,
pharmacodynamics/ SEROTONIN,
administration & dosage/ *SEROTONIN,
pharmacodynamics/ *TREMOR, chem synthesis
2315. Malvano R, Dotzl C, Grosso P: 125I-labelled
cortisol-TME for competitive protein binding.
Clin Chim Acta 47:167-73, 30 Aug 73
BINDING, COMPETITIVE/ BINDING SITES,
ANTIBODY/ COMPARATIVE STUDY/ CROSS
REACTIONS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ESTERS/
EVALUATION STUDIES/ *HYDROCORTISONE
blood/ IODINE RADIOISOTOPES/ METHODS/
PROTEIN BINDING/ RADIOIMMUNOASSAY/
TRITIUM/ *TYROSINE
2316. Mamedov AM: Kross-korrellatsionnyi analiz ritm
napriazheniia razlichnykh obrazovanií golovnogo
mozga pri formirovanií funktsional'noi sistemy
oboronitel'nogo kharaktera.
Dokl Akad Nauk SSSR 212:1017-20, 1 Oct 73 (Rus)
AMYGDALOID BODY, physiology/
ANIMAL EXPERIMENTS/ AUTOMATIC DATA
PROCESSING/ *BRAIN, physiology/
CEREBRAL CORTEX, physiology/
*ESCAPE REACTION/ HEART,
physiology/ HYPOTHALAMUS,
physiology/ PAIN/ RABBITS/
RESPIRATION/ STATISTICS/ *STRESS,
physiology/ THALAMUS, physiology
2317. Mamedov AM: Dannye EtSVM o razlichnykh
funktsional'nykh svyaziakh i fazovykh sdvigakh ritm
napriazheniia proektionnykh zon kory i gipotalamus
pri formirovanií hloevogo stressa.
Dokl Akad Nauk SSSR 213:242-5, 1 Nov 73 (Rus)
ANIMAL EXPERIMENTS/ AUTOMATIC DATA
PROCESSING/ *CEREBRAL CORTEX,
physiology/ COMPUTERS, DIGITAL/
ELECTROENCEPHALOGRAPHY/ HINDLIMB,
innervation/ *HYPOTHALAMUS,
physiology/ OCCIPITAL LOBE,
physiology/ PAIN/ RABBITS/ SKIN,
innervation/ STATISTICS/ *STRESS,

AUTHOR SECTION

- physiopathology/ TEMPORAL LOBE,
physiopathology
18. Mandelbrod I, Feldman S, Werman R: Effects of microelectrophoretically administered cortisol on single cell activity in the tuberal hypothalamus of the rat. *Isr J Med Sci* 9:1058-61, Aug 73
ANIMAL EXPERIMENTS/
CATHETERIZATION/ ELECTROPHORESIS/
*HYDROCORTISONE, administration & dosage/
HYDROCORTISONE, pharmacodynamics/
*HYPOTHALAMUS, drug effects/ MALE/
*NEURONS, drug effects/ RATS/
STEREOTAXIC TECHNIQS
 19. Manderlier T, Brauman H, Bergans A, et al: Applications cliniques du dosage sanguin de la parathormone.
Ann Endocrinol (Paris) 34:314-7, May-Jun 73 (Fre)
HUMAN/ *HYPERCALCEMIA, blood/
HYPERCALCEMIA, etiology/
HYPERPARATHYROIDISM, blood/
HYPOPARATHYROIDISM, blood/
HYPOPARATHYROIDISM, etiology/
NEOPLASMS, complications/ PAGET'S
DISEASE, EXTRA-MAMMARY, complications/
*PARATHYROID DISEASES, blood/
PARATHYROID DISEASES, diagnosis/
*PARATHYROID HORMONE, blood/
PARATHYROID NEOPLASMS, surgery/
RADIOIMMUNOASSAY/ THYROIDECTOMY
 20. Mareife C, Tremoulet M, Rouleau J: Etude artériographique des branches intracaverneuses de la carotide interne.
Neurochirurgie 18:581-98, Dec 72 (Fre)
CAROTID ARTERY, EXTERNAL, radiography/
*CAROTID ARTERY, INTERNAL, radiography/
*CAVERNOUS SINUS, radiography/
CEREBRAL ANEURYSM, radiography/
CEREBRAL ANGIOGRAPHY/ ENGLISH
ABSTRACT/ HUMAN/ PITUITARY GLAND,
blood supply
 21. Manganiello V, Vaughan M: An effect of insulin on cyclic adenosine 3':5'-monophosphate phosphodiesterase activity in fat cells.
J Biol Chem 248:7164-70, 25 Oct 73
ACETIC ACIDS, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADIPOSE TISSUE, cytology/ ADIPOSE
TISSUE, drug effects/ *ADIPOSE TISSUE,
enzymology/ ANIMAL EXPERIMENTS/
DEOXYCHOLIC ACID, pharmacodynamics/
DEXAMETHASONE, pharmacodynamics/
DITHIOTHREITOL, pharmacodynamics/
EPIDIDYMIS/ GLYCOLS, pharmacodynamics/
GUINEA PIGS, immunology/ HEAT/
HEPARIN, pharmacodynamics/ *INSULIN,
pharmacodynamics/ INSULIN ANTIBODIES,
pharmacodynamics/ MALE/ MEMBRANES,
enzymology/ NICOTINIC ACID,
pharmacodynamics/ NUCLEOTIDASES/
*PHOSPHODIESTERASES, metabolism/
PROSTAGLANDINS, pharmacodynamics/ RATS/
SUBCELLULAR FRACTIONS, enzymology/
SWINE
 22. Manku MS, Mugambi M: Some recent concepts on anterior pituitary control.
East Afr Med J 50:323-6, Jun 73
CORTICOTROPIN RELEASING HORMONE,
physiology/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
physiology/ LH-FSH RELEASING HORMONE,
physiology/ *PITUITARY HORMONE
RELEASING HORMONES, physiology/
SOMATOTROPIN RELEASING HORMONE,
physiology/ THYROTROPIN RELEASING
HORMONE, physiology
 23. Manku MS, Nassar BA, Horrobin DF: Effects of prolactin on the responses of rat aortic and arteriolar smooth-muscle preparations to noradrenaline and angiotensin. *Lancet* 2:991-4, 3 Nov 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ AORTA, THORACIC, drug
effects/ BLOOD PRESSURE, drug effects/
BLOOD VESSELS, drug effects/ *BLOOD
VESSELS, physiology/ DRUG SYNERGISM/
HUMAN/ MESENTERIC ARTERIES, drug
effects/ *MUSCLE, SMOOTH, drug effects/
MUSCLE, SMOOTH, physiology/
*NOREPINEPHRINE, pharmacodynamics/
PROLACTIN, administration & dosage/
PROLACTIN, antagonists & inhibitors/
PROLACTIN, blood/ PROLACTIN,
pharmacodynamics/ *PROLACTIN, physiology/
RABBITS/ RATS
 2324. Manning M, Balaspiri L, Acosta M, et al: Solid phase synthesis of
(1-deamino,4-valine)-8-D-arginine-vasopressin
(DVAVP), a highly potent and specific antidiuretic
agent possessing protracted effects.
J Med Chem 16:975-8, Sep 73
ANIMAL EXPERIMENTS/ ARGININE, chem
synthesis/ ARGININE, pharmacodynamics/
BLOOD PRESSURE, drug effects/
DEAMINATION/ DIABETES INSIPIDUS, urine/
DIURESIS, drug effects/ FEMALE/ MUSCLE
CONTRACTION, drug effects/ RATS/ RATS,
INBRED STRAINS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ UTERUS, drug effects/
VALINE, chem synthesis/ VALINE,
pharmacodynamics/ *VASOPRESSIN, chem
synthesis/ VASOPRESSIN, pharmacodynamics
 2325. Männistö PT: Thyroid iodine metabolism in vitro. I.
Experimental technique.
Ann Med Exp Biol Fenn 51:34-41, 1973
ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, PAPER/ CULTURE
MEDIA/ DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ HYDROGEN-ION
CONCENTRATION/ HYDROLYSIS/
IMIDAZOLES, pharmacodynamics/ IN VITRO/
*IODINE, metabolism/ IODINE
RADIOISOTOPES/ MALE/ METHODS/
PANCREATIN, pharmacodynamics/ PRONASE,
pharmacodynamics/ RATS/ STIMULATION,
CHEMICAL/ *THYROID GLAND, metabolism/
*THYROID HORMONES, biosynthesis/
THYROTROPIN, pharmacodynamics/ TIME
FACTORS
 2326. Männistö PT: Thyroid iodine metabolism in vitro. II.
Effect of lithium ion.
Ann Med Exp Biol Fenn 51:42-5, 1973
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, PAPER/ CULTURE
MEDIA/ DEPRESSION, CHEMICAL/
HYDROGEN-ION CONCENTRATION/ IN
VITRO/ IODIDES, metabolism/ *IODINE,
metabolism/ IODINE RADIOISOTOPES/
*LITHIUM, pharmacodynamics/ MALE/ RATS/
STIMULATION, CHEMICAL/ THYROID
ANTAGONISTS, pharmacodynamics/ THYROID
GLAND, drug effects/ *THYROID GLAND,
metabolism/ *THYROID HORMONES,
biosynthesis/ THYROTROPIN,
pharmacodynamics/ TIME FACTORS
 2327. Manohar M, Tyagi RP: Experimental intestinal
ischemia shock in dogs.
Am J Physiol 225:887-92, Oct 73
ANIMAL EXPERIMENTS/ ANTIBIOTICS,
therapeutic use/ DISEASE MODELS, ANIMAL/
DOGS/ DRUG TOLERANCE/ EPINEPHRINE,
pharmacodynamics/ HYDROCORTISONE,
therapeutic use/ INFUSIONS, PARENTERAL/
*INTESTINES, blood supply/ *ISCHEMIA,
complications/ LIGATION/ *MESENTERIC
VASCULAR OCCLUSION, complications/
PANCREATIC DUCTS/ *SHOCK, etiology
 2328. Manullova IA, Khidolatov NN: Funktsional'noe
sostoianie gipotalamo-gipofizarno-laichnikovoi
sistemy u bol'nykh miasteniei.
Sov Med 36:12-7, Jun 73 (Rus)
ADOLESCENCE/ ADULT/ CIRCADIAN
RHYTHM/ ENGLISH ABSTRACT/
ESTROGENS, urine/ FEMALE/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
physiopathology/ LH, urine/ MENSTRUATION/
MIDDLE AGE/ *MYASTHENIA GRAVIS,
physiopathology/ *OVARY, physiopathology
 2329. Mao CC, Jacobson ED, Shanbour LL: Mucosal cyclic
AMP and secretion in the dog stomach.

AUTHOR SECTION

- Am J Physiol 225:893-8, Oct 73
 *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, metabolism/ ANIMAL
 EXPERIMENTS/ DOGS/ FEMALE/ *GASTRIC
 JUICE, secretion/ *GASTRIC MUCOSA,
 secretion/ HISTAMINE, pharmacodynamics/
 MALE/ PAPAVERINE, pharmacodynamics/
 PENTAGASTRIN, pharmacodynamics/
 STIMULATION, CHEMICAL/ STOMACH, drug
 effects/ *STOMACH, metabolism
2330. Marberger M, Frick J: Zur Ätiologie der
 Spermogeneschädigung bei der Varikozele:
 Untersuchungen über den Plasmatestosteronspiegel
 in der Vena spermatica.
 Urol Int 28:377-84, 1973 (Ger)
 ADOLESCENCE/ ADULT/ ENGLISH
 ABSTRACT/ HEMODYNAMICS/ HUMAN/
 MALE/ PROTEIN BINDING/ *SPERMATIC
 CORD, blood supply/ SPERMATIC CORD,
 physiology/ *SPERMATOGENESIS/
 SPERMATOZOA/ TEMPERATURE/ TESTIS,
 blood supply/ TESTIS, physiology/
 *TESTOSTERONE, blood/ *VARICOCELE,
 blood/ VARICOCELE, physiology
2331. Marc J, Comte B, Dillhuydy JM, et al: Anomalies
 urinaires et agénésie des muscles de la paroi
 abdominale. Prune-belly syndrome.
 J Radiol Electrol Med Nucl 54:379-82, May 73 (Fre)
 *ABDOMINAL WALL, abnormalities/
 ABNORMALITIES, MULTIPLE, complications/
 ABNORMALITIES, MULTIPLE, pathology/
 ABNORMALITIES, MULTIPLE, radiography/
 AUTOPSY/ *CRYPTORCHISM, pathology/
 HUMAN/ INFANT, NEWBORN/ MALE/
 SYNDROME/ *URINARY TRACT,
 abnormalities/ URINARY TRACT
 INFECTIONS, complications
2332. March GL, McKeown BA: Serum and pituitary prolactin
 changes in the band-tailed pigeon (*Columba fasciata*)
 in relation to the reproductive cycle.
 Can J Physiol Pharmacol 51:583-9, Aug 73
 ANIMAL EXPERIMENTS/ CROP, AVIAN,
 metabolism/ IN VITRO/ IODINE
 RADIOISOTOPES/ PIGEONS/ *PITUITARY
 GLAND, metabolism/ *PROLACTIN, blood/
 *PROLACTIN, metabolism/
 RADIOIMMUNOASSAY/ *REPRODUCTION/
 SHEEP, immunology/ TIME FACTORS
2333. Marchand GR, Greenberg S, Wilson WR, et al: Effects
 of prostaglandin B2 on renal hemodynamics and
 excretion. Proc Soc Exp Biol Med 143:938-40, Sep 73
 ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
 drug effects/ DIURESIS, drug effects/ DOGS/
 DOSE-RESPONSE RELATIONSHIP, DRUG/
 FEMALE/ KIDNEY, blood supply/ *KIDNEY,
 drug effects/ MALE/ *PROSTAGLANDINS,
 pharmacodynamics/ REGIONAL BLOOD FLOW,
 drug effects/ *URINATION, drug effects
2334. Marchandise B: Contrôle neuro-hormonal de la
 sécrétion du prolactin inhibiting factor.
 Ann Endocrinol (Paris) 34:308-10, May-Jun 73 (Fre)
 *ANDROSTERONE, pharmacodynamics/
 ANIMAL EXPERIMENTS/ CELLS, drug
 effects/ CORPUS LUTEUM, drug effects/
 *ESTRADIOL, pharmacodynamics/ FEMALE/
 *GENITALIA, FEMALE, drug effects/
 *HYDROCORTISONE, pharmacodynamics/
 *IPRONIAZID, pharmacodynamics/
 LACTATION, drug effects/ *MAMMAE, drug
 effects/ MUCOUS MEMBRANE, drug effects/
 OVARY, cytology/ OVARY, drug effects/
 *PROLACTIN, secretion/
 PSEUDOPREGNANCY/ RATS/ *RESERPINE,
 pharmacodynamics/ VAGINA, drug effects
2335. Marco LA, Coceani F: The action of prostaglandin EI on
 frog skeletal muscle.
 Can J Physiol Pharmacol 51:627-34, Sep 73
 ANIMAL EXPERIMENTS/
 CHROMATOGRAPHY, THIN LAYER/
 DENERVATION/ ELECTRIC STIMULATION/
 FROGS/ IN VITRO/ MEMBRANE
 POTENTIALS, drug effects/ *MUSCLE
 CONTRACTION, drug effects/ *MUSCLES,
 drug effects/ MUSCLES, metabolism
- NEUROMUSCULAR JUNCTION, drug effects
 PROSTAGLANDINS, metabolism/
 *PROSTAGLANDINS, pharmacodynamics/
 RANA PIPIENS/ SCIATIC NERVE, drug
 effects/ TIME FACTORS/ TRITIUM
2336. Marcus RE: The effect of low oxygen concentration
 growth, glycolysis, and sulfate incorporation
 articular chondrocytes in monolayer culture.
 Arthritis Rheum 16:646-56, Sep-Oct 73
 ANAEROBOSIS/ *ANOXIA/ ANOXIA,
 metabolism/ ANOXIA, physiology/
 *CARTILAGE, ARTICULAR, cytology/
 CARTILAGE, ARTICULAR, growth &
 development/ CARTILAGE, ARTICULAR,
 metabolism/ *CELL DIFFERENTIATION/
 CELLS, CULTURED/ DNA, biosynthesis/
 *GLYCOLYSIS/ RABBITS/ SKIN, cytology/
 *SULFATES, metabolism/ SULFUR
 RADIOISOTOPES/ THYROXINE,
 pharmacodynamics
2337. Mårdh PA, Taylor-Robinson D: New approaches to the
 isolation of mycoplasmas.
 Med Microbiol Immunol (Berl) 158:259-66, 1973
 AMMONIUM COMPOUNDS/ CHROMATES/
 CULTURE MEDIA/ HYDROGEN-ION
 CONCENTRATION/ LUNG, microbiology/
 *LYSOLECITHIN, antagonists & inhibitors/
 METHODS/ *MYCOPLASMA, isolation &
 purification/ PHOSPHOLIPASE/
 THIOCYANATES/ TISSUE EXTRACTS
2338. Marel AN, Borisov BK: Dinamika Sr90 v kostnoj tkani
 naselenija Sovetskogo Sojuza za 1969-1971 gg.
 Gig Sanit 37:56-9, Jul 72 (Ru)
 ADOLESCENCE/ ADULT/ AGE FACTORS/
 *BONE AND BONES, radiation effects/
 CHILD/ CHILD, PRESCHOOL/ HUMAN/
 INFANT/ INFANT, NEWBORN/ MOSCOW/
 *RADIATION EFFECTS/ RADIATION
 MONITORING/ *STRONTIUM, analysis/ USSR
2339. Maresz Z: Sialic acid in thyroglobulin.
 Arch Immunol Ther Exp (Warsz) 21:583-8, 1973
 ANIMAL EXPERIMENTS/
 CHROMATOGRAPHY, DEAE-CELLULOSE/
 DENSITOMETRY/ *NEURAMINIC ACIDS,
 analysis/ PROTEINS, analysis/ SWINE/
 TANNINS/ *THYROGLOBULIN, analysis/
 TRICHLOROACETIC ACID/ TRYPSIN,
 pharmacodynamics
2340. Margolis RU, Margolis RK: Isolation of chondroitin
 sulfate and glycopeptides from chromaffin granules
 of adrenal medulla.
 Biochem Pharmacol 22:2195-7, 1 Sep 73
 *ADRENAL MEDULLA, analysis/ ANIMAL
 EXPERIMENTS/ CATTLE/ *CHONDROITIN,
 isolation & purification/ *CHROMAFFIN
 SYSTEM, analysis/ DIALYSIS/ FUCOSE,
 analysis/ GALACTOSAMINE, analysis/
 GALACTOSE, analysis/ GLUCOSAMINE,
 analysis/ *GLYCOPEPTIDES, isolation &
 purification/ GLYCOPROTEINS, analysis/
 GLYCOPROTEINS, isolation & purification/ IN
 VITRO/ MUCOPOLYSACCHARIDES, isolation &
 purification/ NEURAMINIC ACIDS, analysis/
 URONIC ACIDS, analysis
2341. Margules DL, Dragovich J: Studies on
 phenolamine-induced overeating and finickiness.
 J Comp Physiol Psychol 84:644-51, Sep 73
 ANIMAL EXPERIMENTS/ CIRCADIAN
 RHYTHM/ DARKNESS/ DRINKING/ *EATING/
 drug effects/ *HYPOTHALAMUS,
 drug effects/ HYPOTHALAMUS, physiology/
 LIGHT/ MALE/ *PHENOLAMINE,
 pharmacodynamics/ RATS/ TASTE, drug
 effects/ THIRST, drug effects
2342. Mariana JC: Classification des follicules ovarien
 principes et méthodes d'étude.
 Ann Biol Anim Biochim Biophys 12:377-82, 1972 (Fr)
 ANIMAL EXPERIMENTS/
 AUTORADIOGRAPHY/ CLASSIFICATION/
 CYTOLOGICAL TECHNIQUES/ ENGLISH
 ABSTRACT/ ESTRUS/ FEMALE/ *GRAAFIAN
 FOLLICLE, cytology/ GRAAFIAN FOLLICLE,
 growth & development/

AUTHOR SECTION

- HISTOCYTOCHEMISTRY/ OVARY, cytology/
RATS/ REGRESSION ANALYSIS/
THYMIDINE/ TRITIUM
43. (Marie P), Dumas P: L'acromégalie-gigantisme avant
Pierre Marie.
Neurochirurgie 19:Suppl 2:13-22, May 73 (Fre)
*ACROMEGALY, history/ BIBLE/ FRANCE/
*GIGANTISM, history/ HISTORICAL
ARTICLE/ HISTORICAL BIOGRAPHY/
HISTORY OF MEDICINE, ANCIENT/
HISTORY OF MEDICINE, 15TH CENT./
HISTORY OF MEDICINE, 16TH CENT./
HISTORY OF MEDICINE, 18TH CENT./
HISTORY OF MEDICINE, 19TH CENT./
HISTORY OF MEDICINE, 20TH CENT./
HISTORY OF MEDICINE, MEDIEVAL/
HUMAN/ *MEDICINE IN ART/ MEDICINE IN
LITERATURE
44. Marin LP, Robu AI, Furdui FI: Svobodnala i sviazannala
s belkom fraktsii kortikosteroidov u krysa pri
razlichnykh ul'tserogennykh vozdeystviakh na
organizm.
Patol Fiziol Eksp Ter 17:56-8, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ CINCHOPHEN,
pharmacodynamics/ ENGLISH ABSTRACT/
GASTRIC MUCOSA, drug effects/
*11-HYDROXYCORTICOSTEROIDS, blood/
IMMOBILIZATION/ INTESTINAL MUCOSA,
drug effects/ MALE/ RATS/ RESERPINE,
pharmacodynamics/ STOMACH ULCER, blood/
*STOMACH ULCER, chemically induced/ TIME
FACTORS
45. Markkanen T: The metabolic significance of
pantothenic acid as assessed by its levels in serum in
various clinical and experimental conditions.
Int J Vitam Nutr Res 43:302-17, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ ALCOHOL, ETHYL, pharmacodynamics/
ANABOLIC STEROIDS, pharmacodynamics/
*ANEMIA, blood/ ANEMIA, HYPOCHROMIC,
blood/ ANEMIA, MACROCYTIC, blood/
ASPARTATE AMINOTRANSFERASE, blood/
BIOLOGICAL ASSAY/ *CESTODE
INFECTIONS, blood/ CHOLESTEROL, blood/
*DIABETES MELLITUS, blood/ FEMALE/
*GOITER, blood/ HUMAN/ LACTOBACILLUS/
MALE/ MIDDLE AGE/ NUTRITION/
*PANTOTHENIC ACID, blood/ PANTOTHENIC
ACID, metabolism/ SEX FACTORS
46. Markovski N: Konservativno ili operativno lechenie na
bolnite sus Stein-Leventhal-sindrom.
Akush Ginekol (Sofia) 12:9-13, 1973 (Bul)
AMENORRHEA, prevention & control/
CLOMIPHENE, therapeutic use/ ENGLISH
ABSTRACT/ FEMALE/ GONADOTROPINS,
therapeutic use/ HIRSATISM, prevention &
control/ HUMAN/ OVARY, surgery/
PREGNANCY/ *STEIN-LEVENTHAL
SYNDROME, drug therapy/
STEIN-LEVENTHAL SYNDROME, surgery
47. Markovski N: Rezultati ot lechenieto na metrooradna
naemorrahia juvenilis s nashta khormonalna
shkema, su-stoiashcha se ot estrogen i progesteron.
Akush Ginekol (Sofia) 12:14-20, 1973 (Bul)
CURETTAGE/ DRUG SYNERGISM/
ENDOMETRIAL HYPERPLASIA, surgery/
ENGLISH ABSTRACT/ *ESTRONE, therapeutic
use/ FEMALE/ HUMAN/ *MENORRHAGIA,
surgery/ *METORRRHAGIA, drug therapy/
*PROGESTERONE, therapeutic use
48. Marks RD Jr, Agarwal SK, Constable WC: Radiation
Induced pericarditis in Hodgkin's disease.
Acta Radiol [Ther] (Stockh) 12:305-12, Aug 73
ADOLESCENCE/ ADULT/ COBALT
RADIOISOTOPES, therapeutic use/ FEMALE/
*HEART, radiation effects/ *HODGKIN'S
DISEASE, radiotherapy/ HUMAN/ MALE/
PERICARDIAL EFFUSION, drug therapy/
PERICARDITIS, drug therapy/
*PERICARDITIS, etiology/ PREDNISONE,
therapeutic use/ *RADIATION INJURIES/
*RADIOISOTOPE TELETHERAPY, adverse
effects/ *RADIOTHERAPY DOSAGE/
RADIOTHERAPY, HIGH ENERGY
2349. Marks SC Jr: Pathogenesis of osteopetrosis in the la
rat: reduced bone resorption due to reduced
osteoclast function. Am J Anat 138:165-89, Oct 73
ACID PHOSPHATASE, metabolism/ AGE
FACTORS/ ANIMAL EXPERIMENTS/ BONE
AND BONES, enzymology/ BONE AND
BONES, metabolism/ BONE DEVELOPMENT,
drug effects/ *BONE MATRIX, growth &
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RESORPTION, drug effects/ CALCIUM,
metabolism/ COLLAGEN, biosynthesis/
CYTOPLASM/ INJECTIONS,
INTRAPERITONEAL/ LYSOSOMES,
enzymology/ *OSTEOCLASTS/
OSTEOPETROSIS, enzymology/
*OSTEOPETROSIS, etiology/ OSTOPEPTROSIS,
metabolism/ PROLINE, metabolism/ RATS/
REMISSION/ TIME FACTORS/ TRITIUM
2350. Marmo E, Saini RK, Caputi AP, et al: Cardiovascular
profile of BR750
(2,6-dichloro-benzylideneamino-guanidine acetate).
Res Commun Chem Pathol Pharmacol 6:391-406, Sep
73
ADENOSINE, pharmacodynamics/ ADRENAL
GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ *ANTIHYPERTENSIVE
AGENTS, pharmacodynamics/ BLOOD
PRESSURE, drug effects/ BRAIN
CHEMISTRY/ CAROTID SINUS, drug effects/
CATS/ DOGS/ DOPAMINE, metabolism/
DOSE-RESPONSE RELATIONSHIP, DRUG/
GUANETHIDINE, pharmacodynamics/
*GUANIDINES, pharmacodynamics/ HEART,
drug effects/ HEART RATE, drug effects/
IMINES, pharmacodynamics/ MYOCARDIUM,
metabolism/ NOREPINEPHRINE, metabolism/
NOREPINEPHRINE, pharmacodynamics/ RATS/
REFLEX, drug effects/ RESPIRATION, drug
effects/ TIME FACTORS/ VAGOTOMY/
VAGUS NERVE, physiology
2351. Marmont A, Gori E: Aplasia eritroblastica pura
associata a timoma in un adulto. Remissione completa
dopo terapia immunodepressiva.
Minerva Med 64:3196-209, 5 Sep 73 (Ita)
ANEMIA, APLASTIC, drug therapy/
*ANEMIA, APLASTIC, etiology/
ANGIOSARCOMA, complications/
AZATHIOPRINE, therapeutic use/
CYCLOPHOSPHAMIDE, therapeutic use/
HUMAN/ *IMMUNOSUPPRESSIVE AGENTS,
therapeutic use/ MALE/ MERCAPTOPYRINE,
therapeutic use/ MIDDLE AGE/ SKIN
NEOPLASMS, complications/ *THYMOMA,
complications/ THYMUS GLAND, pathology/
*THYMUS NEOPLASMS, complications
2352. Marmont AM, Damasio EE: The treatment of terminal
metamorphosis of chronic granulocytic leukaemia
with corticosteroids and vincristine.
Acta Haematol (Basel) 50:1-8, 1973
ACUTE DISEASE/ BONE MARROW
EXAMINATION/ CELL TRANSFORMATION,
NEOPLASTIC/ DEXAMETHASONE, therapeutic
use/ DRUG THERAPY, COMBINATION/
*GLUCOCORTICOIDS, therapeutic use/
HUMAN/ *LEUKEMIA, MYELOCYTIC, drug
therapy/ MERCAPTOPYRINE, therapeutic use/
METHOTREXATE, therapeutic use/
PREDNISOLONE, therapeutic use/
PREDNISONE, therapeutic use/ REMISSION/
*VINCRISTINE, therapeutic use
2353. Maroudis DG, Dammoussis G: Behandlung des
Schwangerschaftsabbruchs durch die
antiserotonische Substanz UML-491 (Deserli).
Zentralbl Gynaekol 95:792-5, 8 Jun 73 (Ger)
ADMINISTRATION, ORAL/ ADOLESCENCE/
ADULT/ FEMALE/ HUMAN/ *HYPEREMESIS
GRAVIDARUM, drug therapy/
METHYSERGIDE, administration & dosage/
METHYSERGIDE, adverse effects/
*METHYSERGIDE, therapeutic use/
PREGNANCY/ *SEROTONIN, antagonists &
inhibitors/ VERTIGO, chemically induced
2354. Marple DN, Cassens RG: A mechanism for
stress-susceptibility in swine.
J Anim Sci 37:546-50, Aug 73 (41 ref.)

AUTHOR SECTION

- ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, veterinary/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, blood/ EPINEPHRINE, blood/ HYPERTROPHY/ MUSCLES, abnormalities/ MUSCLES, metabolism/ OXYGEN CONSUMPTION/ REVIEW/ STRESS, etiology/ STRESS, metabolism/ STRESS, physiopathology/ *STRESS, veterinary/ SWINE/ *SWINE DISEASES, etiology/ SWINE DISEASES, metabolism/ SWINE DISEASES, physiopathology
2355. Marqué G, Agid R, Amiel S, et al: Evolution de l'activité de diverses glandes endocrines chez le lapin soumis à un régime riche en cholestérol. *Ann Endocrinol (Paris)* 34:271-81, May-Jun 73 (Fre)
- ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ ARTERIOSCLEROSIS, physiopathology/ CHOLESTEROL, adverse effects/ CHOLESTEROL, metabolism/ CHOLESTEROL, DIETARY/ DIET, ATHEROGENIC/ ENDOCRINE GLANDS, drug effects/ *ENDOCRINE GLANDS, physiopathology/ GLUCOSE TOLERANCE TEST/ INSULIN RESISTANCE/ MALE/ MICROSCOPY/ PANCREAS, drug effects/ PANCREAS, physiopathology/ RABBITS/ STAINS AND STAINING/ TESTIS, drug effects/ TESTIS, physiopathology/ THYROID GLAND, drug effects/ THYROID GLAND, physiopathology/ TIME FACTORS
2356. Marsh L, Fraser FC: Letter: Chelating agents and teratogenesis. *Lancet* 2:846, 13 Oct 73
- *ABNORMALITIES, DRUG-INDUCED, etiology/ ABNORMALITIES, DRUG-INDUCED, prevention & control/ ANIMAL EXPERIMENTS/ *CHELATING AGENTS, adverse effects/ CORTISONE, adverse effects/ DIPHENYLHYDANTOIN, adverse effects/ FEMALE/ HUMAN/ MONKEYS/ PREGNANCY/ SALICYLATES, adverse effects/ VITAMIN B 12, therapeutic use
2357. Marshall DF, Drewry J, Ray FS: Renal dialysis and kidney transplantation program for the state of Maine. *Urology* 2:368-70, 4 Oct 73
- ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ CADAVER/ FINANCING, GOVERNMENT/ *HEMODIALYSIS/ HEMODIALYSIS, HOME/ HUMAN/ *KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, therapy/ MAINE/ PREDNISONE, therapeutic use/ REGIONAL MEDICAL PROGRAMS/ TISSUE DONORS/ TISSUE PRESERVATION/ TRANSPLANTATION, HOMOLOGOUS
2358. Marscheck WJ, Miyano M: Microbiological optical resolution of a racemic synthetic prostaglandin intermediate. *Biochim Biophys Acta* 318:363-5, 25 Sep 73
- CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ HYDROLYSIS/ METHODS/ MOLECULAR CONFORMATION/ OPTICAL ROTATION/ *PROSTAGLANDINS, chem synthesis/ SACCHAROMYCES/ SILICA/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP
2359. Marti F, Wehrli H, Jeger O: Photochemische Reaktionen. 72. Zur Photofragmentierung von 14 beta-Hydroxy-20-oxo-delta 18-Steroiden. *Helv Chim Acta* 56:1078-83, 1973 (Ger)
- HYDROXYSTEROIDS, radiation effects/ KETOSTEROIDS, radiation effects/ PHOTOCHEMISTRY/ PHOTOLYSIS/ *PREGNANES, radiation effects/ RADIATION EFFECTS/ *SECOSTEROIDS/ *ULTRAVIOLET RAYS
2360. Martin JM, Mok CC, Penfold J, et al: Hypothalamic stimulation of insulin release. *J Endocrinol* 58:681-2, Sep 73
- ANIMAL EXPERIMENTS/ FEEDING
- BEHAVIOR/ *HYPOTHALAMUS, physiology/ IN VITRO/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, secretion/ RATS/ STIMULATION, CHEMICAL/ TISSUE EXTRACTS, pharmacodynamics
2361. Martin PG: Postnatal growth in prenatally irradiated rats. II. Exposure rate effects on the adrenal pituitary, lung, heart and testes. *Growth* 37:165-75, Jun 73
- *ADRENAL GLANDS, radiation effects/ AGE FACTORS/ ANIMAL EXPERIMENTS/ FEMALE/ *FETUS, radiation effects/ *HEART radiation effects/ *LUNG, radiation effects/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, radiation effects/ PREGNANCY/ *PREGNANCY, ANIMAL, radiation effects/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS/ *TESTIS, radiation effects
2362. Martin RJ, Patt JA, Eberhart RJ, et al: The effects of metyrapone and ACTH on the development of gluconeogenesis in the neonatal pig. *Proc Soc Exp Biol Med* 144:603-8, Nov 73
- ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ ASPARTATE AMINOTRANSFERASE, metabolism/ BLOOD SUGAR/ *CORTICOTROPIN, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ GLUCOSEPHOSPHATASE, metabolism/ GLYCERIN, metabolism/ HEXOSE DIPHOSPHATASE, metabolism/ KIDNEY, anatomy & histology/ KIDNEY CORTEX, enzymology/ LIVER, anatomy & histology/ LIVER, enzymology/ LIVER GLYCOGEN, biosynthesis/ *METYRAPONE, pharmacodynamics/ ORGAN WEIGHT/ PYRUVATES, metabolism/ SERINE DEHYDRATASE, metabolism/ *SWINE, metabolism
2363. Martin S, Levey BA, Levey GS: Development of the cardiac beta adrenergic receptor in fetal rat heart. *Biochem Biophys Res Commun* 54:949-54, 1 Oct 73
- ADENOSINE CYCLIC 3',5' MONOPHOSPHATE metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CATECHOLAMINES pharmacodynamics/ ENZYME ACTIVATION, drug effects/ *FETUS, growth & development/ GESTATIONAL AGE/ HEART, drug effects/ *HEART, embryology/ HEART RATE, drug effects/ IN VITRO/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHOSPHORUS RADIOISOTOPES/ PREGNANCY/ RATS/ *RECEPTORS, ADRENERGIC/ TRITIUM
2364. Martín Zurro A, Sánchez Franco F, Cerdán Vallejo A, et al: Enanismo GH-privado e hipopituitarismo idiopático. Estudio del funcionamiento hipotalamo-hipofisario. *Rev Clin Esp* 130:117-22, 31 Jul 73 (Spa)
- ADOLESCENCE/ CHILD/ *DWARFISM, PITUITARY, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, physiopathology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ MIDDLE AGE/ SOMATOTROPIN, secretion/ *SOMATOTROPIN, RELEASING HORMONE, secretion
2365. Martirosian VV, Lutsenko PP: Mineralokortikoidna funktsiia kory nadpocheknikov pri vnutricherepnykh novoochrazovaniiakh. *Vopr Neirokhir* 36:32-5, Sep-Oct 72 (Ru)
- ADRENAL GLANDS, secretion/ ADULT/ BRAIN NEOPLASMS, blood/ BRAIN NEOPLASMS, physiopathology/ *BRAIN NEOPLASMS, surgery/ DESOXYCORTICOSTERONE, diagnostic use/ ENGLISH ABSTRACT/ *ERYTHROCYTES, metabolism/ GLIOBLASTOMA MULTIFORME, blood/ GLIOBLASTOMA MULTIFORME, physiopathology/ *GLIOBLASTOMA MULTIFORME, surgery/ HUMAN/ MIDDLE

AUTHOR SECTION

- AGE/ MINERALOCORTICOIDS, secretion/
*POTASSIUM, blood/ *SODIUM, blood
186. Marton J, Stark E, Mihály K: Effect of imidazole on the adrenal response to ACTH and to stress. *Acta Physiol Acad Sci Hung* 42:225-30, 1972
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/
*CORTICOSTERONE, secretion/
CORTICOTROPIN, administration & dosage/
*CORTICOTROPIN, pharmacodynamics/
ENDOTOXINS, administration & dosage/
ENDOTOXINS, pharmacodynamics/
ESCHERICHIA COLI, immunology/
FORMALDEHYDE, administration & dosage/
FORMALDEHYDE, pharmacodynamics/
GELATIN/ HYPOPHYSECTOMY/
IMIDAZOLES, administration & dosage/
*IMIDAZOLES, pharmacodynamics/
INJECTIONS, INTRAPERITONEAL/
INJECTIONS, SUBCUTANEOUS/ MALE/
ORGAN WEIGHT/ PITUITARY GLAND, physiology/ RATS/ SERUM ALBUMIN, BOVINE/ *STRESS
367. Márton Z, Gáti I, Doszpod J, et al: Die Wirkung der Norsteroid-Behandlung auf das histologische Bild der mastopathischen Brust. *Arch Geschwulstforsch* 41:359-62, 1973 (Ger)
BREAST, pathology/ *BREAST DISEASES, drug therapy/ BREAST DISEASES, pathology/ BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, pathology/ LYNESTRENOL, therapeutic use/ MAMMARY CANCER VIRUS/ *NORSTEROIDS, therapeutic use/ PITUITARY HORMONES/ PROLACTIN, blood
368. Martynov IUS, Popova AS, Voshchanova NP: Nevrologicheskie sindromy pri gipokaltsemii, obuslovennoi nedostatochnosti lu parashchitovidnykh zhelez. *Zh Nevropatol Psikhiatr* 73:853-8, 1973 (Rus)
ADULT/ BRAIN, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOCALCEMIA, complications/
HYPOCALCEMIA, etiology/
HYPOPARATHYROIDISM, complications/
HYPOPARATHYROIDISM, diagnosis/
HYPOPARATHYROIDISM, pathology/ MALE/
*NEUROLOGIC MANIFESTATIONS/ SPINAL CORD, pathology
369. Marx AF, Kooreman HJ, Jaitly KD, et al: 14 Alpha, 17 alpha-alkyldenedioxy steroids. 2. 19-Nor-9 alpha, 10 beta- and 19-nor-9 heta, 10 alpha-progesterone analogs. *J Med Chem* 16:1302-5, Nov 73
ANIMAL EXPERIMENTS/ *CONTRACEPTIVE AGENTS, chem synthesis/ CONTRACEPTIVE AGENTS, pharmacodynamics/ DIOXOLES, chem synthesis/ DIOXOLES, pharmacodynamics/ FEMALE/ MOLECULAR CONFORMATION/ NORSTEROIDS, chem synthesis/ NORSTEROIDS, pharmacodynamics/
*PROGESTERONE, chem synthesis/
PROGESTERONE, pharmacodynamics/
RABBITS/ RATS/ REPRODUCTION, drug effects/ STEREOISOMERS/
STRUCTURE-ACTIVITY RELATIONSHIP
2370. Mascaretti L: Valutazione clinica dell'attività del lisocorticone associato al isocortrosi. *Minerva Med* 64:3127-34, 1 Sep 73 (Ita)
ADULT/ AGED/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRITIS, RHEUMATOID, drug therapy/ *BRADYKININ, antagonists & inhibitors/ CERVICAL VERTEBRAE/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *JOINT DISEASES, drug therapy/ KNEE JOINT/ LUMBAR VERTEBRAE/ MALE/ MIDDLE AGE/
*PEPTIDES, therapeutic use/ *SEROTONIN, antagonists & inhibitors/ SHOULDER JOINT/
*SPINAL DISEASES, drug therapy/ VITAMIN B COMPLEX, therapeutic use
2371. Mascaretti L: Ricerche cliniche su una preparazione biologica ad attività stimolante la secrezione cortico-surrenale. *Minerva Med* 64:2365-70, 1973 (Ita),
- *ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLANDS, drug effects/
*ADRENAL GLANDS, secretion/ ADULT/ AGED/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ *BIOLOGICAL PRODUCTS, therapeutic use/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ *JOINT DISEASES, drug therapy/ MALE/ MIDDLE AGE/ OSTEOARTHRITIS, drug therapy/ *PEPTIDES/
*PITUITARY HORMONES, ANTERIOR, therapeutic use/ REMISSION
2372. Mäselde T: Bruk-mishruk av antiflogistika ved ldrettskader. *Tidsskr Nor Laegeforen* 93:1160-2, 30 May 73 (Nor)
ADMINISTRATION, ORAL/
ADMINISTRATION, TOPICAL/
ANTI-INFLAMMATORY AGENTS, administration & dosage/
*ANTI-INFLAMMATORY AGENTS, therapeutic use/ *ATHLETIC INJURIES, drug therapy/
DEXAMETHASONE, administration & dosage/
*DEXAMETHASONE, therapeutic use/ DRUG ABUSE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ OXYPHENBUTAZONE, administration & dosage/
*OXYPHENBUTAZONE, therapeutic use/
PHENYLPROPIONATES, administration & dosage/
*PHENYLPROPIONATES, therapeutic use/ SUPPOSITORIES/ TABLETS
2373. Maser JD, Klara JW, Gallup GG Jr: Archistriatal lesions enhance tonic immobility in the chicken (Gallus gallus). *Physiol Behav* 11:729-33, Nov 73
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ CEREBRAL CORTEX, physiology/ *CHICKENS, physiology/ HYPNOSIS/ *IMMOBILIZATION/ MODELS, NEUROLOGIC/ NEURAL INTERCONNECTIONS/ *SEPTUM PELLUCIDUM, physiology/ STEREOTAXIC TECHNIQS
2374. Maslennikova NV: Izmenenie soderzhanila azota ekstraktivnykh veshchestv v pecheni i gonadakh haltiskoi treski v svyazi s protsessami ovo- i spermatogeneza. *Blot Nauki* 10:43-7, 1973 (Rus)
ANIMAL EXPERIMENTS/ FEMALE/ *FISHES, physiology/ *GONADS, metabolism/ *LIVER, metabolism/ MALE/ *NITROGEN, metabolism/ OVARY, metabolism/ *OVULATION/ *SPERMATOGENESIS/ TESTIS, metabolism
2375. Maslova LN, Evtlugina EM, Onischenko LS: Vlianie melatonina na gipotalamo-gipofizarno-nadpochechnikovulu sistemu krysa. *Probl Endokrinol (Mosk)* 19:55-9, Sep-Oct 73 (Rus)
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/
*HYPOTHALAMUS, drug effects/
*MELATONIN, pharmacodynamics/
*PITUITARY GLAND, drug effects/ RATS/ STIMULATION, CHEMICAL
2376. Mason CA: New features of the brain-retrocerebral neuroendocrine complex of the locust *Schistocerca gregaria* (Schudder). *Z Zellforsch Mikrosk Anat* 141:19-32, 26 Jul 73
ANIMAL EXPERIMENTS/ AXONS/ *BRAIN, cytology/ CELL COUNT/ COBALT/ FEMALE/
*GRASSHOPPERS, cytology/ IONTOPHORESIS/ MALE/ MICROSCOPY, ELECTRON/
*NEUROSECRETORY SYSTEMS, cytology
2377. Masson GM: Plasma estril in normal and preeclamptic multiple pregnancies. *Obstet Gynecol* 42:568-73, Oct 73
ADULT/ BIOLOGICAL ASSAY/ *ESTRIOL, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS/ METHODS/ PREGNANCY/
*PREGNANCY, MULTIPLE/ *PREGNANCY TOXEMIAS, blood/ PROTEIN BINDING/
PROTEINURIA, complications/ SHEEP, immunology/ TIME FACTORS/ TRIPLETS/ TWINS
2378. Mastro A, Hymer WC: The effects of age and oestrone treatment on DNA polymerase activity in anterior

AUTHOR SECTION

- pituitary glands of male rats.
J Endocrinol 59:107-19, Oct 73
 *AGING/ ANIMAL EXPERIMENTS/
 AUTORADIOGRAPHY/ CELL NUCLEUS,
 enzymology/ CENTRIFUGATION, DENSITY
 GRADIENT/ CYTOPLASM, enzymology/ DNA,
 metabolism/ *DNA NUCLEOTIDYL-
 TRANSFERASES, analysis/ *ESTRONE,
 pharmacodynamics/ MALE/ PITUITARY
 GLAND, drug effects/ *PITUITARY GLAND,
 enzymology/ PITUITARY GLAND, metabolism/
 RATS/ STIMULATION, CHEMICAL/ TRITIUM
2379. Masui Y: Hormonal and cytoplasmic control of the
 maturation of frog oocytes.
Sov J Dev Biol 3:484-95, Nov-Dec 72
 ANIMAL EXPERIMENTS/ CELL NUCLEUS,
 physiology/ CENTRIFUGATION/
 CYTOPLASM, physiology/ FEMALE/
 FERTILIZATION/ FROGS/ *GONADOTROPINS,
 PITUITARY, physiology/ GRAAFIAN
 FOLLICLE, secretion/ MEIOSIS/
 MICROINJECTIONS/ MITOSIS/ *OVUM,
 growth & development/ PROGESTERONE,
 secretion/ RANA PIPPIENS/ TIME FACTORS
2380. Masumov SA, Ashirov AD: Osobennosti struktury i
 klinicheskogo techeniya opukholei shchitovidnoy
 zhelezy. *Khirurgiya (Mosk)* 48:34-8, Dec 72 (Rus)
 GOITER, ENDEMIC, occurrence/ HUMAN/
 *THYROID NEOPLASMS, occurrence/
 THYROID NEOPLASMS, pathology/ THYROID
 NEOPLASMS, surgery/ UZBEKISTAN
2381. Mathews JD, Whittingham S, Hooper BM, et al:
 Association of autoantibodies with smoking,
 cardiovascular morbidity, and death in the Busseton
 population. *Lancet* 2:754-8, 6 Oct 73
 ADULT/ AGE FACTORS/ *ANGINA
 PECTORIS, immunology/ ANTINUCLEAR
 FACTORS, analysis/ AUSTRALIA/
 *AUTOANTIBODIES, analysis/ AUTOIMMUNE
 DISEASES, etiology/ BLOOD PRESSURE
 DETERMINATION/ *CARDIOVASCULAR
 DISEASES, immunology/ CARDIOVASCULAR
 DISEASES, mortality/ CEREBROVASCULAR
 DISORDERS, immunology/ CONTRACEPTIVES,
 ORAL/ DYSPNEA/ FEMALE/ FLUORESCENT
 ANTIBODY TECHNIC/ HUMAN/ IGG,
 analysis/ MALE/ MIDDLE AGE/ MUSCLE,
 SMOOTH, immunology/ MYOCARDIAL
 INFARCT, mortality/ POPULATION
 SURVEILLANCE/ RHEUMATOID FACTOR,
 analysis/ SEX FACTORS/ *SMOKING/
 STOMACH, immunology/ THYROID GLAND,
 immunology
2382. Mathies M, Lipps L, Smith GS, et al: Age-related
 decline in response to phytohemagglutinin and
 pokeweed mitogen by spleen cells from hamsters and
 a long-lived mouse strain. *J Gerontol* 28:425-30, Oct 73
 ADRENAL GLAND NEOPLASMS, veterinary/
 *AGING/ AMYLOIDOSIS, veterinary/ ANIMAL
 EXPERIMENTS/ CARCINOMA, veterinary/
 FEMALE/ HAMSTERS/ IN VITRO/ LUNG
 NEOPLASMS, veterinary/ LYMPHOMA,
 veterinary/ MALE/ MICE/ MICE, INBRED
 C57BL/ NEPHRITIS, veterinary/
 *PHYTOMITOGENS, pharmacodynamics/
 *PLANT AGGLUTININS, pharmacodynamics/
 RODENT DISEASES/ *SPLEEN, immunology/
 SPLEEN, metabolism/ STIMULATION,
 CHEMICAL/ THYMIDINE, metabolism/
 TRITIUM
2383. Matoušek J, Grozdanović J: Specific effect of bull
 seminal ribonuclease (AS RNase) on cell systems in
 mice. *Comp Biochem Physiol [A]* 46:241-8, 1 Oct 73
 ANIMAL EXPERIMENTS/ CARBON
 RADIOISOTOPES/ CATTLE/ *EMBRYO, drug
 effects/ EMBRYO, metabolism/ FEMALE/
 FLUORESCENT ANTIBODY TECHNIC/
 GESTATIONAL AGE/ LIVER, metabolism/
 LUNG, metabolism/ MALE/ MICE/ MUSCLES,
 metabolism/ MYOCARDIUM, metabolism/
 ORGAN SPECIFICITY/ OROTIC ACID,
 metabolism/ PANCREAS, enzymology/
 PREGNANCY/ RABBITS, immunology/
 *RIBONUCLEASE, pharmacodynamics/
 RIBONUCLEASE, toxicity/ RNA, biosynthesis/
- *SEMEN, enzymology/ SPLEEN, metabolism/
 TESTIS, drug effects/ TESTIS, metabolism
2384. Matsuki A, Zsigmond EK: Objective evaluation of
 hydroxyzine as preanesthetic medication.
Aggressologie 14:67-72, 1973
 ADULT/ EVALUATION STUDIES/
 HEMODYNAMICS, drug effects/ HUMAN/
 HYDROCORTISONE, blood/ *HYDROXYZINE,
 administration & dosage/ MALE/ MIDDLE
 AGE/ *PREANESTHETIC MEDICATION
2385. Matsuura H, Sako K, Marchetta FC: Reimplantation of
 autogenous parathyroid tissue: an experimental
 study. *J Surg Oncol* 5:297-305, 1973
 ANIMAL EXPERIMENTS/ BIOPSY/ CALCIUM
 administration & dosage/ CALCIUM, blood/
 DOGS/ FEMALE/ MALE/ METHODS/
 MUSCLES, surgery/ PARATHYROID GLANDS,
 anatomy & histology/ PARATHYROID
 GLANDS, physiology/ *PARATHYROID
 GLANDS, surgery/ PNEUMONIA,
 complications/ POSTOPERATIVE
 COMPLICATIONS/ POTASSIUM, blood/
 *REIMPLANTATION/ TETANY, complications/
 THYROIDECTOMY/ VITAMIN D,
 administration & dosage
2386. Matsuzaki S, Pochet R, Schell-Frederick E: A
 comparison of the subcellular distribution of
 5'-nucleotidase, (Na⁺-K⁺)-ATPase and adenylyl
 cyclase in beef thyroid gland.
Biochim Biophys Acta 313:329-37, 28 Jul 73
 *ADENOSINE TRIPHOSPHATASE, analysis/
 *ADENYL CYCLASE, analysis/ ANIMAL
 EXPERIMENTS/ CATTLE/ CELL
 FRACTIONATION/ CELL MEMBRANE,
 enzymology/ CENTRIFUGATION, DENSITY
 GRADIENT/ FETUS/ FLUORIDES/
 MICROSOMES, enzymology/ MITOCHONDRIA,
 enzymology/ *NUCLEOTIDASES, analysis/
 PHOSPHORUS ISOTOPES/ POTASSIUM/
 SODIUM/ SPECTROPHOTOMETRY,
 ULTRAVIOLET/ SUBCELLULAR FRACTIONS,
 enzymology/ THYROID GLAND, cytology/
 *THYROID GLAND, enzymology/
 THYROTROPIN/ TRITIUM/
 ULTRACENTRIFUGATION
2387. Matteini M, Cotrozzi G: Diabete renale bicarbonato
 (acidosi renale tubulare prossimale o tipo II) causa di
 marcata ipercalciuria, nefrolitiasi, rachitismo
 osteoporotico e ritardo di sviluppo somatogenitale e
 scheletrico. *Minerva Pediatr* 25:1215-8, Aug 73 (Ita)
 *ACIDOSIS, RENAL TUBULAR, complications/
 CHILD/ *GLYCOSURIA, RENAL,
 complications/ *GROWTH DISORDERS,
 etiology/ HUMAN/ *KIDNEY CALCULI,
 etiology/ MALE/ *OSTEOPOROSIS, etiology/
 *RICKETS, etiology/ WATER-ELECTROLYTE
 BALANCE
2388. Mattern HR, Schaumann W: Extrarenal effects of
 aldosterone antagonists in guinea pigs. I. Enhanced
 transport of potassium into the cells.
Naunyn-Schmiedeberg's Arch Pharmacol 279:1-8, 24
 Aug 73
 *ALDOSTERONE, antagonists & inhibitors/
 ALDOSTERONE, pharmacodynamics/ ANIMAL
 EXPERIMENTS/ EXTRACELLULAR SPACE,
 metabolism/ FEMALE/ GUINEA PIGS/
 *HEART, drug effects/ IN VITRO/
 MAGNESIUM, analysis/ MALE/ MUSCLES,
 metabolism/ MYOCARDIUM, analysis/
 *MYOCARDIUM, metabolism/ POTASSIUM,
 analysis/ *POTASSIUM, metabolism/ SODIUM,
 metabolism/ *SPIRONOLACTONE,
 pharmacodynamics
2389. Mattern MR, Hariharan PV, Dunlap BE, et al:
 DNA-degradation and excision repair in
 gamma-irradiated Chinese hamster ovary cells.
Nature [New Biol] 245:230-2, 24 Oct 73
 ANIMAL EXPERIMENTS/ CARBON
 RADIOISOTOPES/ CESIUM ISOTOPES/
 CHROMATOGRAPHY, ION EXCHANGE/ DNA,
 analysis/ DNA, biosynthesis/ *DNA, radiation
 effects/ *DNA REPAIR/ DOSE-RESPONSE
 RELATIONSHIP, RADIATION/ FEMALE/
 HAMSTERS/ KINETICS/ *OVARY, metabolism/

AUTHOR SECTION

- *RADIATION EFFECTS/ RADIOISOTOPES/
THYMIDINE, metabolism/ THYMINE, analysis/
THYMINE, metabolism/ THYMINE
NUCLEOTIDES, analysis/ TRITIUM
90. Matthews CD, Cox LW: The effect of treatment for nonovulation, or an induced-ovulation pregnancy, upon subsequent menstrual patterns and further spontaneous pregnancy. *Fertil Steril* 24:758-62, Oct 73
*AMENORRHEA, drug therapy/
*CLOMIPHENE, therapeutic use/ DRUG THERAPY, COMBINATION/ FAMILY PLANNING/ FEMALE/ FOLLOW-UP STUDIES/ *FSH, therapeutic use/
*GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *MENSTRUATION/ OVULATION, drug effects/ *PREGNANCY
91. Matthias M: Methoden und Anwendungsmöglichkeiten der Organkultur in der klinischen und experimentellen Krebsforschung. *Arch Geschwulstforsch* 41:382-97, 1973 (150 ref.) (Ger)
ACID PHOSPHATASE/ ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ AUTORADIOGRAPHY/ BIOCHEMISTRY/ CHICK EMBRYO/ DNA, NEOPLASM/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ EVALUATION STUDIES/ FLUORESCENT ANTIBODY TECHNIC/ HISTOCYTOCHEMISTRY/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ METHODS/ METHYLCHOLANTHRENE, pharmacodynamics/ MICE/ NEOPLASMS, metabolism/ *NEOPLASMS, pathology/ *ORGAN CULTURE/ PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ RATS/ *RESEARCH/ REVIEW/ SOMATOTROPIN, pharmacodynamics/ STEROIDS, pharmacodynamics
92. Mattox JH: Gonadal dysgenesis: the XY variant. *South Med J* 66:839-40, Jul 73
ADULT/ AGE DETERMINATION BY SKELETON/ *AMENORRHEA, etiology/ FEMALE/ FSH, blood/ GONADOTROPINS, CHORIONIC, therapeutic use/ GONADS, pathology/ GONADS, surgery/ HUMAN/ KARYOTYPING/ 17-KETOSTEROIDS, blood/ SEX CHROMATIN, analysis/ TESTOSTERONE, blood/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, drug therapy/ TURNER'S SYNDROME, pathology/ UROGRAPHY
93. Mattson K: Side effects of rifampicin. A clinical study. *Scand J Respir Dis [Suppl]* 1-52, 1973
ACUTE DISEASE/ ADULT/ AMBULATORY CARE/ AMINOTRANSFERASES, blood/ AMYLASE, blood/ *DRUG HYPERSENSITIVITY, etiology/ DRUG THERAPY, COMBINATION/ ETHAMBUTOL, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HEMATOLOGIC DISEASES, chemically induced/ HUMAN/ ISONIAZID, therapeutic use/ KIDNEY FAILURE, ACUTE, chemically induced/ *LIVER, drug effects/ *LIVER DISEASES, chemically induced/ MALE/ PANCREATITIS, chemically induced/ PREDNISOLONE, therapeutic use/ RECURRENCE/ RIFAMPIN, administration & dosage/ *RIFAMPIN, adverse effects/ RIFAMPIN, therapeutic use/ STIMULATION, CHEMICAL/ STREPTOMYCIN, therapeutic use/ TUBERCULOSIS, PULMONARY, drug therapy
94. Matuchansky C, Prost A: Diarrhées motrices d'origine humorale et nerveuse. *Rev Prat* 23:3797-807, 1 Oct 73 (Fre)
CARCINOID TUMOR, complications/ DIARRHEA, etiology/ DIARRHEA, physiopathology/ ENGLISH ABSTRACT/ GASTROINTESTINAL MOTILITY/ HUMAN/ HYPERTHYROIDISM, complications/ SPECIAL LIST FOREIGN/ THYROID NEOPLASMS, complications
2395. Matuhasi T, Usul M: Specific suppression of immune response to a given antigen by emulsified oil droplets containing a mixture of antigen and dexamethasone phosphate. *Nature [New Biol]* 245:213-5, 17 Oct 73
ANIMAL EXPERIMENTS/ ANTI-ANTIBODIES, analysis/ ANTIBODY FORMATION/ *ANTIGENS, administration & dosage/ *DEXAMETHASONE, administration & dosage/ EMULSIONS/ ESCHERICHIA COLI, immunology/ HEMAGGLUTINATION TESTS/ IGG, administration & dosage/ *IMMUNOSUPPRESSION/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ LIPOPOLYSACCHARIDES/ MICE/ OILS/ POLYSACCHARIDES, BACTERIAL/ SERUM ALBUMIN, BOVINE, administration & dosage/ VEHICLES
2396. Matuszewski W, Waroński W, Kamiński K: Enzymy systemu glikolizy w łożyskach ciąży prawidłowej. *Ginekol Pol* 44:875-8, Aug 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ *ESTERASES, metabolism/ FEMALE/ HUMAN/ *LYASES, metabolism/ *PLACENTA, enzymology/ *PREGNANCY/ TIME FACTORS
2397. Matveenko EG, Bolotnikov MV: Graficheskaya approximations krivyykh radioaktivnosti vsego tela i otde'nykh organov. *Med Radiol (Mosk)* 18:29-35, Jun 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HEART DISEASES, diagnosis/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ *LIVER DISEASES, diagnosis/ RABBITS/ *RADIATION MONITORING/ RADIOMETRY/ RATS/ *THYROID DISEASES, diagnosis/ *WHOLE BODY COUNTERS, instrumentation
2398. Mau G: Poststeroid-Pannikulitis. *Klin Paediatr* 185:222-4, May 73 (Ger)
CHILD, PRESCHOOL/ CUSHING'S SYNDROME, chemically induced/ *DEXAMETHASONE, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *PANNICULITIS, NODULAR NONSUPPURATIVE, chemically induced/ PANNICULITIS, NODULAR NONSUPPURATIVE, diagnosis
2399. Maudsley DV, Kobayashi Y, Williamson E, et al: H2-receptor blockade and stimulation of histidine decarboxylase. *Nature [New Biol]* 245:148-9, 3 Oct 73
ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ CARBON RADIOISOTOPES/ *CARBOXY-LYASES, metabolism/ ENZYME INDUCTION/ FOOD/ *HISTAMINE, biosynthesis/ HISTIDINE/ IMIDAZOLES, pharmacodynamics/ MALE/ RATS/ *RECEPTORS, DRUG, drug effects/ STIMULATION, CHEMICAL/ *STOMACH, enzymology/ STOMACH, metabolism/ *THIOUREA, pharmacodynamics
2400. Mauget R: Observations sur la reproduction du sanglier (*Sus scrofa* L.) à l'état sauvage. *Ann Biol Anim Biochim Biophys* 12:195-202, 1972 (Fre)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ FETAL DEATH/ FETUS/ GESTATIONAL AGE/ LACTATION/ OVULATION/ PREGNANCY/ PUBERTY/ *REPRODUCTION/ SEASONS/ *SWINE, physiology/ TIME FACTORS
2401. Maume BF, Bournot P, Lhuguenot JC, et al: Mass fragmentographic analysis of steroids, catecholamines, and amino acids in biological materials. *Anal Chem* 46:1073-82, Jun 73
ADRENAL GLANDS, analysis/ *AMINO ACIDS, analysis/ *CATECHOLAMINES, analysis/ CELLS, CULTURED/ CHROMATOGRAPHY, GAS/ CORTICOSTERONE, blood/ ESTROGENS, blood/ FEMALE/ HUMAN/ LIVER, analysis/ METHODS/ MICROCHEMISTRY/ MYOCARDIUM, analysis/ PREGNANCY/ RATS/ SPECTRUM ANALYSIS, MASS/ *STEROIDS, analysis

AUTHOR SECTION

2402. Maurer HS, Chol HS, Forman EN, et al: Pernicious anemia with persistent malabsorption of vitamin B12 in a child. *J Pediatr* 83:832-4, Nov 73
ADOLESCENCE/ ADULT/ AGGLUTINATION/
*ANEMIA, PERNICIOUS, complications/
ANEMIA, PERNICIOUS, familial & genetic/
ANTIBODIES/ ANTINUCLEAR FACTORS/
CHILD/ COBALT RADIOISOTOPES/ FEMALE/
FLUORESCENT ANTIBODY TECHNIC/
GASTRIC MUCOSA, secretion/ HUMAN/
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complications/ MALE/ SCHILLING TEST/
SWINE/ THYROID GLAND, immunology/
VITAMIN B 12, metabolism/ VITAMIN B 12,
therapeutic use/ *VITAMIN B 12
DEFICIENCY, complications/ VITAMIN B 12
DEFICIENCY, drug therapy/ VITAMIN B 12
DEFICIENCY, etiology
2403. Mavalwala J: Dermatoglyphics of Mexican woman, 46,X,t(X,Y). *JAMA* 228:559-60, 29 Oct 73
ADULT/ *CHROMOSOME ABERRATIONS/
*DERMATOGLYPHICS/ FEMALE/ HUMAN/
KARYOTYPING/ MEXICO/ *SEX
CHROMOSOMES/ SEX FACTORS
2404. Mawhinney MG, Oliver LS, Johe DH, et al: Effect of testosterone on the concentration of ATP in the epithellum and muscle of the guinea-pig seminal vesicle. *J Endocrinol* 59:187-8, Oct 73
*ADENOSINE TRIPHOSPHATE, analysis/
ANIMAL EXPERIMENTS/ CASTRATION/
EPITHELIAL CELLS, metabolism/
EPITHELIUM, analysis/ GUINEA PIGS/
MALE/ MUSCLE, SMOOTH, analysis/
MUSCLE, SMOOTH, metabolism/ OXYGEN
CONSUMPTION/ PROSTATE, analysis/
*SEMINAL VESICLES, analysis/ SEMINAL
VESICLES, drug effects/ *TESTOSTERONE,
pharmacodynamics
2405. May P, Donabedian RK: Factors in blood influencing the determination of thyrotropin releasing hormone. *Clin Chim Acta* 46:377-82, 27 Jul 73
CHARCOAL/ COMPARATIVE STUDY/
DIMERCAPROL, blood/ DRUG STABILITY/
EDTA, blood/ EVALUATION STUDIES/
GOATS, immunology/ HEPARIN, blood/
HUMAN/ METHODS/ QUINOLINES, blood/
RABBITS, immunology/
RADIOIMMUNOASSAY/ *THYROTROPIN
RELEASING HORMONE, blood/
THYROTROPIN RELEASING HORMONE,
urine/ TIME FACTORS
2406. May P, Donabedian RK: A sensitive radioimmunoassay for thyrotropin releasing hormone. *Clin Chim Acta* 46:371-6, 27 Jul 73
BIPHENYL COMPOUNDS/ CATTLE/
CHARCOAL/ CHROMATOGRAPHY, PAPER/
COMPARATIVE STUDY/ CROSS REACTIONS/
DIAZONIUM COMPOUNDS/ EVALUATION
STUDIES/ GEL FILTRATION/ GOATS,
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HORMONE/ METHODS/ MICROCHEMISTRY/
RABBITS, immunology/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ THYROTROPIN, blood/
*THYROTROPIN RELEASING HORMONE,
blood/ THYROTROPIN RELEASING
HORMONE, urine/ TIME FACTORS
2407. May SW, Abbott BJ, Felix A: On the role of superoxide in reactions catalyzed by rubredoxin of *Pseudomonas* oleovorans. *Biochem Biophys Res Commun* 54:1540-5, 15 Oct 73
ADRENOCHROME, chem synthesis/
*EPINEPHRINE, metabolism/ *FERREDOXINS,
metabolism/ HYDROXYLASES/
HYDROXYLATION/ KINETICS/ NADH,
NADPH OXIDOREDUCTASES/
OXIDATION-REDUCTION/ OXYGEN
CONSUMPTION/ *PEROXIDES,
pharmacodynamics/ *PSEUDOMONAS,
enzymology/ RUBREDOXINS/
SPECTROPHOTOMETRY/ SUPEROXIDE
DISMUTASE, pharmacodynamics/ TIME
FACTORS
2408. Mayer HG: Experimental investigation on the effect of clomiphene on the gonadotrophin secretion of the rat pituitary. *Endocrinol Exp (Bratisl)* 7:177-82, Sep 73
ANIMAL EXPERIMENTS/ CLOMIPHENE,
administration & dosage/ *CLOMIPHENE,
pharmacodynamics/ CORPUS LUTEUM, drug
effects/ FEMALE/ *GONADOTROPINS,
PITUITARY, secretion/ MALE/ *PITUITARY
GLAND, drug effects/ PITUITARY GLAND,
secretion/ RATS/ TIME FACTORS/ VAGINA,
drug effects
2409. Mazzuoli GF, Scarda A, Antonozzi I, et al: Bioassay of human plasma calcitonin. *Horm Res* 4:190-6, 1973
ADULT/ BIOLOGICAL ASSAY/ *CALCITONIN
blood/ CALCIUM, blood/ CALCIUM,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FEMALE/ FREEZE
DRYING/ HUMAN/ HYPERPARATHYROIDISM
blood/ HYPOPARATHYROIDISM, blood/
MALE/ METHODS/ MIDDLE AGE/ RATS/
SEX FACTORS/ THYROID GLAND,
physiology/ THYROIDECTOMY
2410. McKinney TD, Desjardins C: Intermale stimuli and testicular function in adult and immature house mice. *Biol Reprod* 9:370-8, Nov 73
AGE FACTORS/ ANDROGENS, analysis/
ANIMAL EXPERIMENTS/ CASTRATION/
FRUCTOSE, analysis/ GLUCOSE, analysis/
MALE/ MICE/ PEER GROUP/ SEX
BEHAVIOR, ANIMAL/ SPERMATOZOA,
physiology/ TESTIS, metabolism/ *TESTIS,
physiology
2411. Medeiros-Neto GA: Controle hipotalâmico da função tireoidiana. *Rev Hosp Clin Fac Med Sao Paulo* 28:283-91, Sep-Oct 73 (29 ref.) (Por)
CHLORPROMAZINE, pharmacodynamics/
COLD/ COMPARATIVE STUDY/ FEMALE/
GOITER, ENDEMIC, physiopathology/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM/
*HYPOTHALAMUS, physiology/
HYPOTHALAMUS, physiopathology/ MALE/
PITUITARY DISEASES, physiopathology/
PITUITARY GLAND, physiopathology/
PITUITARY GLAND FUNCTION TESTS/
PITUITARY HORMONE RELEASING
HORMONES/ RESERPINE, pharmacodynamics/
REVIEW/ STIMULATION, CHEMICAL/
*THYROID DISEASES, physiopathology/
*THYROID GLAND, physiology/ THYRONINE,
secretion/ THYROTROPIN, secretion/
THYROTROPIN RELEASING HORMONE,
secretion/ THYROXINE, secretion
2412. Medeiros Neto GA: Diagnóstico cintilográfico. *Rev Assoc Med Bras* 19:341-2, Aug 73 (Por)
FEMALE/ *GOITER, NODULAR, diagnosis/
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/
IODINE RADIOISOTOPES/ MIDDLE AGE/
*RADIOISOTOPE SCANNING
2413. Medeiros Neto GA de, Ferraz A: Diagnóstico cintilográfico. *Rev Assoc Med Bras* 19:217-8, May 73 (Por)
FEMALE/ *GOITER, EXOPHTHALMIC,
diagnosis/ HUMAN/ *HYPERTHYROIDISM,
diagnosis/ MIDDLE AGE
2414. Medeiros-Neto GA, Toledo SP, Pupo AA, et al: Characterization of the LH response to lutelizing hormone-releasing hormone (LH-RH) in isolated and multiple tropic hormone deficiencies. *J Clin Endocrinol Metab* 37:972-8, Dec 73
ADULT/ *DWARFISM, PITUITARY, blood/
HUMAN/ *LH, blood/ LH-FSH RELEASING
HORMONE, administration & dosage/ *LH-FSH
RELEASING HORMONE, diagnostic use/
MALE/ TIME FACTORS
2415. Medvedeva GI, Nislovskaya LI: K uchastilu shchitovidnoi zhelezy v emkhanizme deistviya nekotorykh razobshchalushchikh ladov. *Patol Fiziol Eksp Ter* 17:47-52, May-Jun 73 (Rus)
ANALGESICS AND ANTIPYRETICS,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BODY TEMPERATURE, drug effects/
*DINITROPHENOLS, pharmacodynamics/

AUTHOR SECTION

- *DIPHTHERIA TOXIN, pharmacodynamics/
ENGLISH ABSTRACT/ MALE/
METHIMAZOLE, pharmacodynamics/
MITOCHONDRIA, LIVER, drug effects/
OXIDATIVE PHOSPHORYLATION, drug
effects/ PYROGENS, pharmacodynamics/
RABBITS/ THYROID ANTAGONISTS,
pharmacodynamics/ *THYROID GLAND,
physiology/ THYROIDECTOMY
16. Megloli G, Desaulles PA: Modifications induced by
progesterone treatment in the action of rat uterine
secretion on corona cells in vitro.
Horm Res 4:288-92, 1973
ANIMAL EXPERIMENTS/ CASTRATION/
CHLORMADINONE, pharmacodynamics/
COMPARATIVE STUDY/ DYDROGESTERONE,
pharmacodynamics/ ESTRADIOL/ FEMALE/
LYNESTRENOL, pharmacodynamics/
MEDROXYPROGESTERONE,
pharmacodynamics/ NORETHINDRONE,
pharmacodynamics/ NORETHYNODREL,
pharmacodynamics/ NORGESTREL,
pharmacodynamics/ OVUM, drug effects/
*OVUM, growth & development/
*PROGESTATIONAL HORMONES,
pharmacodynamics/ RATS/ *UTERUS,
secretion
17. Megloli G, Kalvoda J, Desaulles PA: Effects of
progesterone substances on the uterine secretion of
spayed rats primed with oestradiol.
Horm Res 4:97-106, 1973
ANIMAL EXPERIMENTS/ CASTRATION/
CHLORMADINONE, pharmacodynamics/
DYDROGESTERONE, pharmacodynamics/
*ESTRADIOL, pharmacodynamics/ FEMALE/
HYDROGEN-ION CONCENTRATION/
LYNESTRENOL, pharmacodynamics/
MEDROXYPROGESTERONE,
pharmacodynamics/ NORETHINDRONE,
pharmacodynamics/ NORETHYNODREL,
pharmacodynamics/ NORGESTREL,
pharmacodynamics/ ORGAN WEIGHT/
*PROGESTATIONAL HORMONES,
pharmacodynamics/ PROGESTERONE,
pharmacodynamics/ RATS/ TESTOSTERONE,
pharmacodynamics/ UTERUS, drug effects/
*UTERUS, secretion/ VISCOSITY
18. Meikle AW, Lagerquist LG, Tyler FH: A plasma
dexamethasone radioimmunoassay.
Steroids 22:193-202, Aug 73
ADMINISTRATION, ORAL/
CHROMATOGRAPHY, PAPER/ CROSS
REACTIONS/ DEXAMETHASONE,
administration & dosage/ *DEXAMETHASONE,
blood/ EVALUATION STUDIES/ GOATS,
immunology/ HALF-LIFE/ HUMAN/
HYDROCORTISONE, blood/ INJECTIONS,
INTRAVENOUS/ METHODS/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ TIME
FACTORS/ TRITIUM
19. Melnert T, Nawra'h H, Schmitz W, et al: Failure of
reserpinization to decrease the positive inotropic
effect of dibutyryl cyclic AMP.
Res Commun Chem Pathol Pharmacol 6:383-90, Sep 73
ANIMAL EXPERIMENTS/ CALCIUM,
pharmacodynamics/ CATECHOLAMINES,
metabolism/ *DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ ELECTRIC STIMULATION/
FEMALE/ HEART ATRIUM, drug effects/
HEART ATRIUM, metabolism/ *HEART RATE,
drug effects/ IN VITRO/ RATS/
RESERPINE, pharmacodynamics/
STIMULATION, CHEMICAL/ TIME FACTORS/
TYRAMINE, pharmacodynamics
20. Meitner ER: Morfologické zvláštnosti
diencefalopituitárního systému (so zretelem na
neurosekreční.
Bratisl Lek Listy 59:396-404, 1973 (Slo)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ HUMAN/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM,
anatomy & histology/ *NEUROSECRETION/
*NEUROSECRETORY SYSTEMS, physiology/
RATS
2421. Meisel S, Huang-Yang YH: Further studies of an
inactive form of a trypsin-like enzyme in rabbit testes.
Biochem Biophys Res Commun 53:1145-50, 21 Aug 73
ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, ION EXCHANGE/
DIALYSIS/ ENZYME ACTIVATION/ ENZYME
PRECURSORS, analysis/ ENZYME
PRECURSORS, metabolism/ GEL
FILTRATION/ HYDROGEN-ION
CONCENTRATION/ PANCREAS, enzymology/
RABBITS/ *TESTIS, enzymology/ TIME
FACTORS/ *TRYPSIN, analysis/ TRYPSIN,
isolation & purification/ TRYPSIN, metabolism
2422. Melek O, Morris TR, Jennings RC: The time factor in
egg formation for hens exposed to ahemeral
light-dark cycles. Br Poult Sci 14:493-8, Sep 73
ANIMAL EXPERIMENTS/ *CHICKENS,
physiology/ *CIRCADIAN RHYTHM/ FEMALE/
OVIDUCTS/ OVIPOSITION/ *OVULATION/
TIME FACTORS
2423. Mellor JD, Layne DS, Irvin JE, et al: Intracellular
distribution of steroid glycosidases of rabbit liver.
Can J Biochem 51:1292-8, Sep 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS,
enzymology/ CENTRIFUGATION, DENSITY
GRADIENT/ COMPARATIVE STUDY/
CYTOSOL, enzymology/ ESTRADIOL/
FEMALE/ *GLUCOSAMINIDASE, analysis/
*GLUCOSIDASE, analysis/ *GLUCURONIDASE,
analysis/ GLYCEROPHOSPHATES/ LIVER,
cytology/ *LIVER, enzymology/ LYSOSOMES,
enzymology/ MICROSOMES, LIVER,
enzymology/ MITOCHONDRIA, LIVER,
enzymology/ *PHOSPHATASES, analysis/
RABBITS/ SUBCELLULAR FRACTIONS,
enzymology/ TRITIUM
2424. Ménard J, Corvol P, London H: Le métabolisme de l'eau
et du sodium au cours de la grossesse normale et de la
toxémie gravidique.
Acquis Med Recent 171-81, 1972 (Fre)
ALDOSTERONE, metabolism/ ANGIOTENSIN,
metabolism/ FEMALE/ HUMAN/
*PREGNANCY/ *PREGNANCY TOXEMIAS,
metabolism/ RENIN, metabolism/ *SODIUM,
metabolism/ URIC ACID, metabolism/
VASOPRESSIN, secretion/ WATER,
metabolism
2425. Menendez CE, Rivlin RS: Thyrotoxic crisis and
myxedema coma.
Med Clin North Am 57:1463-70, Nov 73 (31 ref.)
ADRENAL CORTEX HORMONES, therapeutic
use/ *COMA/ FEMALE/ HUMAN/
HYPERTHYROIDISM, diagnosis/
HYPERTHYROIDISM, etiology/
HYPERTHYROIDISM, mortality/
*HYPERTHYROIDISM, surgery/
HYPERTHYROIDISM, therapy/ IODIDES,
therapeutic use/ IODINE RADIOISOTOPES/
MYXEDEMA, diagnosis/ *MYXEDEMA, drug
therapy/ REVIEW/ SYMPATHOLYTICS,
therapeutic use/ THYROID ANTAGONISTS,
therapeutic use/ *THYROID CRISIS, surgery/
THYROID GLAND FUNCTION TESTS
2426. Menezo Y, Laviolette P: Les constituants aminés des
sécrétions tubaires chez la lapine.
Zymogramme--protéines--acides aminés libres.
Ann Biol Anim Biochim Biophys 12:383-96, 1972 (Fre)
AMINO ACIDS, blood/ *AMINO ACIDS,
metabolism/ AMINOPEPTIDASES, metabolism/
AMYLASE, metabolism/ ANIMAL
EXPERIMENTS/ BODY FLUIDS, enzymology/
*BODY FLUIDS, metabolism/ ENGLISH
ABSTRACT/ ESTERASES, metabolism/
ESTRUS/ FALLOPIAN TUBES, drug effects/
*FALLOPIAN TUBES, metabolism/
FALLOPIAN TUBES, secretion/ FEMALE/
GLYCOSIDE HYDROLASES, metabolism/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
EQUINE, pharmacodynamics/ HUMAN/
HYDROLASES, blood/ MALE/ OVULATION/
PEPTIDE HYDROLASES, metabolism/
PHOSPHATASES, metabolism/ *PROTEINS,
metabolism/ RABBITS/ SEMEN, enzymology

AUTHOR SECTION

2427. Menon MK, Clark WG, Schindler A, et al: Studies on the mechanism of the akinetic effects of gamma-hydroxybutyric acid and 1, 4-butanediol. Arch Int Pharmacodyn Ther 203:232-42, Jun 73
AMPHETAMINE, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ ATROPINE, pharmacodynamics/ BODY TEMPERATURE, drug effects/ CATECHOLAMINES, metabolism/ CAUDATE NUCLEUS, drug effects/ DIPHENHYDRAMINE, antagonists & inhibitors/ DOPA, pharmacodynamics/ DRUG INTERACTIONS/ EXOPHTHALMOS, chemically induced/ *GLYCOLS, pharmacodynamics/ *HYDROXYBUTYRATES, pharmacodynamics/ MALE/ METHYLERGIDE, pharmacodynamics/ MICE/ *MOTOR ACTIVITY, drug effects/ RATS
2428. Merimee TJ, Fineberg SE, Hollander W: Vascular disease in the chronic GHG-deficient state. Diabetes 22:813-9, Nov 73
ADULT/ ARTERIOSCLEROSIS, etiology/ BASEMENT MEMBRANE, pathology/ BLOOD SUGAR, analysis/ CHOLESTEROL, blood/ CHRONIC DISEASE/ *CORONARY DISEASE, etiology/ DIABETES MELLITUS, metabolism/ DWARFISM, PITUITARY, complications/ *DWARFISM, PITUITARY, metabolism/ FOOD/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ HUMAN/ HYPERTENSION, etiology/ INSULIN, metabolism/ LIPOPROTEINS, blood/ RABBITS, immunology/ *SOMATOTROPIN, metabolism/ TRIGLYCERIDES, blood/ *VASCULAR DISEASES, etiology/ VASCULAR DISEASES, metabolism
2429. Merkel FK, Ryan WG, Armbruster K, et al: Pancreatic transplantation for diabetes mellitus. Ill Med J 144:477-9 passim, Nov 73
ADULT/ AMYLASE, urine/ BLOOD SUGAR, analysis/ *DIABETES MELLITUS, surgery/ DIABETIC RETINOPATHY/ GRAFT REJECTION/ HUMAN/ MALE/ *PANCREAS, transplantation/ POSTOPERATIVE COMPLICATIONS, prevention & control/ PREDNISONE, administration & dosage/ *TRANSPLANTATION, HOMOLOGOUS
2430. Merrin C, Sarcone E, Bohne M, et al: Alphafetoprotein in testicular tumors. J Surg Res 15:309-12, Oct 73
ADOLESCENCE/ ADULT/ *FETAL GLOBULINS/ FETAL GLOBULINS, analysis/ GEL DIFFUSION TESTS/ HUMAN/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ LIVER, embryology/ LIVER EXTRACTS/ LIVER NEOPLASMS, blood/ MALE/ MIDDLE AGE/ *NEOPLASMS, EMBRYONAL AND MIXED, blood/ *TERATOID TUMOR, blood/ *TESTICULAR NEOPLASMS, blood
2431. Mertens HG, Hertel G: Immundepressive Behandlung der Myasthenien. Med Welt 24:955-63, 8 Jun 73 (Ger)
ANTINEOPLASTIC AGENTS, therapeutic use/ AUTOIMMUNE DISEASES, drug therapy/ CORTICOTROPIN, therapeutic use/ CORTISONE, therapeutic use/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ *MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, surgery/ THYMECTOMY
2432. Mertvetsov NP, Chesnokov VN, Saiganik RI: Specific changes in the activity of tyrosine aminotransferase isoenzymes in rat liver after cortisol treatment and partial hepatectomy. Biochim Biophys Acta 315:81-5, 5 Jul 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ELECTROPHORESIS/ HEPATECTOMY/ *HYDROCORTISONE, pharmacodynamics/ *ISOENZYMES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, physiology/ *LIVER REGENERATION, drug effects/ MALE/ RATS/ TIME FACTORS/ *TYROSINE AMINOTRANSFERASE, metabolism
2433. Messer HH, Armstrong WD, Singer L: Influence of in vivo-incorporated fluoride on collagen metabolism by mouse calvaria in organ culture. Arch Oral Biol 18:1393-401, Nov 73
ANIMAL EXPERIMENTS/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ BONE RESORPTION/ CARBON ISOTOPES/ *COLLAGEN, metabolism/ DEPRESSION, CHEMICAL/ FEMALE/ FLUORIDES, administration & dosage/ *FLUORIDES, pharmacodynamics/ HYDROXYPROLINE, biosynthesis/ MICE/ ORGAN CULTURE/ PARATHYROID HORMONE, pharmacodynamics/ PROLINE, metabolism/ SKULL, metabolism
2434. Messiha FS, Grof S: D-lysergic acid diethylamide (LSD)--effect on biogenic amines excretion in man. Biochem Pharmacol 22:2352-4, 15 Sep 73
*BIOGENIC AMINES, urine/ DOPAMINE, urine/ HOMOVANILLIC ACID, urine/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ *LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ NOREPINEPHRINE, urine/ SEROTONIN, urine/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ VANILMANDELIC ACID, urine
2435. Messiha FS, Soskin RA: Effect of cannabis sativa administered by smoking on biogenic amine excretion in man. Res Commun Chem Pathol Pharmacol 6:325-8, Jul 73
*BIOGENIC AMINES, urine/ CANNABIS, administration & dosage/ *CANNABIS, pharmacodynamics/ DOPAMINE, metabolism/ DOPAMINE, urine/ EPINEPHRINE, urine/ HOMOVANILLIC ACID, urine/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ MALE/ MANDELIC ACID, urine/ NOREPINEPHRINE, urine/ NORMETANEPHRINE, urine/ PHENYLACETATES, urine/ PLACEBOS/ SEROTONIN, metabolism/ SEROTONIN, urine/ TETRAHYDROCANNABINOL, pharmacodynamics/ TYRAMINE, urine
2436. Meyer H, Frey HH: Dependence of anticonvulsant drug action on central monoamines. Neuropharmacology 12:939-47, Oct 73
ANIMAL EXPERIMENTS/ *ANTICONVULSANTS, pharmacodynamics/ CONVULSIONS, chemically induced/ DIPHENYLHYDANTOIN, pharmacodynamics/ *DOPAMINE, metabolism/ DRUG INTERACTIONS/ ELECTROSHOCK/ ETHOSUXIMIDE, pharmacodynamics/ LETHAL DOSE 50/ MALE/ MICE/ MICE, INBRED STRAINS/ *NOREPINEPHRINE, metabolism/ PENTYLENETETRAZOLE/ PHENOBARBITAL, pharmacodynamics/ RECEPTORS, DRUG, drug effects/ *SEROTONIN, metabolism/ TIME FACTORS
2437. Meyer MB, Tonascia JA: Possible effects of x-ray exposure during fetal life on the subsequent reproductive performance of human females. Am J Epidemiol 98:151-60, Sep 73
ADULT/ EPIDEMIOLOGIC METHODS/ FEMALE/ *FERTILITY, radiation effects/ FETAL DEATH/ *FETUS, radiation effects/ GESTATIONAL AGE/ HUMAN/ INFANT MORTALITY/ MARYLAND/ NEGROES/ *OVARY, radiation effects/ POPULATION/ PREGNANCY/ *RADIATION EFFECTS/ SOCIOECONOMIC FACTORS
2438. Meyers MA: Distribution of intra-abdominal malignant seeding: dependency on dynamics of flow of ascitic fluid. Am J Roentgenol Radium Ther Nucl Med 119:198-206, Sep 73
*ABDOMEN, radiography/ ADULT/ AGED/ *ASCITIC FLUID, physiology/ COLONIC NEOPLASMS, radiography/ COLOR/ DIATRIZOATE, administration & dosage/ DOUGLAS' POUCH, anatomy & histology/ FEMALE/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ MALE/ MESENTERY, anatomy & histology/ MESOCOLON, anatomy & histology/ MIDDLE AGE/ NEOPLASM

AUTHOR SECTION

- METASTASIS/ *NEOPLASM SEEDING, radiography/ NITROUS OXIDE, administration & dosage/ OVARIAN NEOPLASMS, radiography/ PANCREATIC NEOPLASMS, radiography/ PERITONEUM, anatomy & histology/ PERITONEUM, radiography/ SIGMOID, anatomy & histology/ STOMACH NEOPLASMS, radiography
439. Meyn RE, Hewitt RR, Humphrey RM: Evaluation of S phase synchronization by analysis of DNA replication in 5-bromodeoxyuridine. *Exp Cell Res* 82:137-42, Nov 73
AUTORADIOGRAPHY/
*BROMODEOXYURIDINE, metabolism/
CARBON RADIOISOTOPES/ CELL COUNT/
*CELLS, CULTURED, cytology/ CELLS, CULTURED, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CESIUM/ CHLORIDES/ CULTURE MEDIA/ DNA, biosynthesis/ *DNA REPLICATION, drug effects/ FEMALE/ FLUORODEOXYURIDINE, pharmacodynamics/ HAMSTERS/ HYDROXYUREA, pharmacodynamics/ *MITOSIS/ OVARY/ PHOSPHORUS RADIOISOTOPES/ THYMIDINE, pharmacodynamics/ TIME FACTORS
440. Meyrier A, Marsac J, Richet G: The influence of a high calcium carbonate intake on bone disease in patients undergoing hemodialysis. *Kidney Int* 4:146-53, Aug 73
ADMINISTRATION, ORAL/ ALKALINE PHOSPHATASE, blood/ ALUMINUM HYDROXIDE GEL, administration & dosage/ ALUMINUM HYDROXIDE GEL, therapeutic use/ BIOPSY/ BONE AND BONES, pathology/ BONE AND BONES, radiography/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM, blood/ CALCIUM CARBONATE, administration & dosage/ *CALCIUM CARBONATE, therapeutic use/ FOLLOW-UP STUDIES/ *HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, prevention & control/ KIDNEY FAILURE, CHRONIC, therapy/ OSTEOMALACIA, pathology/ PHOSPHORUS, blood/ *RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, radiography
441. Miakishcheva LS: K voprosu o defitsite mikroelementov pri rakhite. Soderzhanie medl, margantsa, zheleza, kobalta, nikella v organakh i tkanakh belykh kryes. *Pediatrlia* 51:66-7, May 73 (Rus)
ANIMAL EXPERIMENTS/ COBALT, metabolism/ COPPER, metabolism/ DEFICIENCY DISEASES, complications/ DEFICIENCY DISEASES, metabolism/ IRON, metabolism/ MANGANESE, metabolism/ NICKEL, metabolism/ RATS/ RICKETS, complications/ *RICKETS, metabolism/ *TRACE ELEMENTS, metabolism
442. Michaelis AF, Cornish DW, Vivillecchia R: High pressure liquid chromatography. *J Pharm Sci* 62:1399-416, Sep 73
ALKALOIDS, analysis/ AMINO ACIDS, analysis/ ANALGESICS AND ANTIPIRETICS, analysis/ AZA COMPOUNDS, analysis/ BARBITURATES, analysis/ BENZAZEPINES, analysis/ BLOOD CHEMICAL ANALYSIS/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, instrumentation/ CHROMATOGRAPHY, ION EXCHANGE/ DIFFUSION/ GELS/ MATHEMATICS/ NUCLEIC ACIDS, analysis/ NUCLEOTIDES, analysis/ PERMEABILITY/ POLAROGRAPHY/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STEROIDS, analysis/ URINE, analysis
443. Michalowski R, Miturska M, Kozak S, et al: Ocena porównawcza działania hydrokortyzonu-planu i hydrokortyzonu-aerolu "Polfa" w leczeniu wybranych chorób skóry. *Pol Tyg Lek* 28:1514-6, 1973 (Pol)
ADOLESCENCE/ ADULT/ AEROSOLS/ AGED/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, TOPICAL, administration & dosage/ INFANT/ MALE/ METHODS/ MIDDLE AGE/ *SKIN DISEASES, drug therapy
2444. Michell JH, Mitchell MA: Letter: Nomenclature of thyroid function tests. *Lancet* 2:1336, 8 Dec 73
*NOMENCLATURE/ *THYROID GLAND FUNCTION TESTS
2445. Michie W: Symposium on modern trends in the management of thyrotoxicosis. Opening address. *Br J Surg* 60:757-8, Oct 73
ECONOMICS, MEDICAL/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ HYPERTHYROIDISM, surgery/ *HYPERTHYROIDISM, therapy/ HYPOTHYROIDISM, etiology/ POSTOPERATIVE COMPLICATIONS/ THYROID ANTAGONISTS, therapeutic use
2446. Midak E: Action of prostaglandin E-1 (PGE-1) on human pregnant (at the time of labor) and non-pregnant uterus in vivo and modification of this action by adrenergic receptor blocking agents. *Acta Physiol Pol* 24:537-50, Jul-Aug 73
*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ FEMALE/ HUMAN/ IN VITRO/ MENOPAUSE/ MENSTRUATION/ MUSCLE CONTRACTION, drug effects/ MUSCLE TONUS, drug effects/ PHENTOLAMINE, pharmacodynamics/ PREGNANCY/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ *UTERUS, drug effects
2447. Middleditch BS, Desiderio DM: Mass spectra of prostaglandins. IV. Trimethylsilyl derivatives of prostaglandins of the F series. *Anal Biochem* 55:509-20, Oct 73
COMPARATIVE STUDY/ DEUTERIUM/ ESTERS/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/ *PROSTAGLANDINS, analysis/ SPECTRUM ANALYSIS, MASS
2448. Midwinter A: It's your age. *Nurs Mirror* 137:24-6, 21 Sep 73
ESTROGENS, pharmacodynamics/ MENOPAUSE, drug effects/ SPECIAL LIST NURSING
2449. Mierzejewska I, Kwiatkowska H, Patorska-Mach E: Analiza kliniczna 59 przypadków posocznicy. *Wlad Lek* 26:1611-5, 1 Sep 73 (Pol)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ADULT/ AGED/ ANTIBIOTICS, pharmacodynamics/ BACTERIA, drug effects/ DRUG RESISTANCE, MICROBIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *SEPTICEMIA, etiology/ STAPHYLOCOCCAL INFECTIONS, complications
2450. Miętkiewski K, Zabel M, Linke K: Wpływ 3-chloro-1,2-propanediolu na jądra i pęcherzyki nasienne szczura. Badania histochemiczne. *Patol Pol* 24:419-29, 1973 (Pol)
ANIMAL EXPERIMENTS/ CHLORINE, pharmacodynamics/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ MALE/ *PROPANEDIOLS, pharmacodynamics/ RATS/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, enzymology/ *SEMINAL VESICLES, pathology/ *TESTIS, drug effects/ TESTIS, enzymology/ TESTIS, pathology
2451. Mikkelsen TJ, Chrai SS, Robinson JR: Altered bioavailability of drugs in the eye due to drug-protein interaction. *J Pharm Sci* 62:1648-53, Oct 73
ANIMAL EXPERIMENTS/ AQUEOUS HUMOR, metabolism/ BIOPHARMACEUTICS/ CORNEA, metabolism/ DIALYSIS/ DRUG INTERACTIONS/ *DRUGS, metabolism/ *EYE PROTEINS, metabolism/ KINETICS/ MALE/ METHYLPREDNISOLONE, metabolism/ MITOSIS, drug effects/ NAPHTHALENES, metabolism/ PILOCARPINE, metabolism/ PROTEIN BINDING/ RABBITS/ SERUM ALBUMIN, metabolism/ SOLUTIONS, metabolism/ SULFISOXAZOLE, metabolism/

AUTHOR SECTION

- SULFONAMIDES, metabolism/ TEARS/ TIME FACTORS/ TRITIUM
2452. Miksche L, Saupp KJ, Höbel M, et al: Resorption und Verteilung von 131J-Serumalbumin und 131J- im Atemtrakt der Ratte nach Verabreichung in Aerosolform.
Arch Int Pharmacodyn Ther 204:132-42, Jul 73 (Ger)
AEROSOLS/ ANIMAL EXPERIMENTS/ DUODENUM, metabolism/ ESOPHAGEAL FISTULA, metabolism/ ESOPHAGUS, metabolism/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ LUNG, metabolism/ MALE/ RATS/ *RESPIRATORY SYSTEM, metabolism/ *SERUM ALBUMIN, RADIO-IODINATED, metabolism/ STOMACH, metabolism/ THYROID GLAND, metabolism/ TIME FACTORS/ TRACHEA, metabolism
2453. Mikuz G, Huber C, Födlisch HJ, et al: Cytophotometrisch-autoradiographische Untersuchungen zur Proliferation hämopoetischer Knochenmarkszellen bei medikamentös induzierter Panmyelopathie.
Verh Dtsch Ges Kreislau fforsch 56:583-7, 1972 (Ger)
ADOLESCENCE/ ADULT/ AMINOPYRINE, adverse effects/ AUTORADIOGRAPHY/ *BONE MARROW CELLS, drug effects/ CAFFEINE, adverse effects/ CHLORAMPHENICOL, adverse effects/ CODEINE, adverse effects/ *DRUG THERAPY, adverse effects/ ENGLISH ABSTRACT/ ETHOTOIN, adverse effects/ FEMALE/ HEMATOPOIETIC STEM CELLS, drug effects/ *HEMATOPOIETIC SYSTEM, drug effects/ HUMAN/ IMIDAZOLES, adverse effects/ MALE/ MIDDLE AGE/ *MYELOPROLIFERATIVE DISORDERS, chemically induced/ PHENACETIN, adverse effects/ THIOURACIL, adverse effects/ TRITIUM
2454. Milder MS, Glück JH, Henderson ES, et al: 67Ga scintigraphy in acute leukemia.
Cancer 32:803-8, Oct 73
ABSCISS, diagnosis/ ADULT/ BONE AND BONES/ BREAST/ FEMALE/ *GALLIUM/ HUMAN/ INFECTION, diagnosis/ *LEUKEMIA, LYMPHOBLASTIC, diagnosis/ *LEUKEMIA, MYELOBLASTIC, diagnosis/ MIDDLE AGE/ NASOPHARYNX/ OSTEOMYELITIS, diagnosis/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES/ REMISSION/ TESTIS
2455. Mildner I: Kavernöse Hämangiome der Retina als Symptom einer Phakomatose.
Ber Dtsch Ophthalmol Ges 71:610-3, 1972 (Ger)
ADOLESCENCE/ ANEURYSM, diagnosis/ CAPILLARIES/ CASE REPORT/ DEAFNESS/ DIAGNOSIS, DIFFERENTIAL/ *EYE NEOPLASMS, diagnosis/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ *HEMANGIOMA, CAVERNOUS, diagnosis/ HUMAN/ *OSTEOGENESIS IMPERFECTA, familial & genetic/ *OSTEOSCLEROSIS, diagnosis/ *RETINA/ RETINAL VESSELS/ SCLERA, abnormalities/ SYNDROME
2456. Milenov K, Kazakov L: Influence of ovarian hormones on electromyograms of uterus, stomach and intestines in dogs. Endocrinol Exp (Bratisl) 7:163-9, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ DOGS/ ELECTROMYOGRAPHY/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INTESTINE, SMALL/ *INTESTINES/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH/ *MUSCLE, SMOOTH, drug effects/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ STOMACH/ TIME FACTORS/ *UTERUS
2457. Miletic D, Vukovic D, Varga J: Cushing-Syndrom im Kindesalter.
Monatsschr Kinderheilkd 121:413-4, Jul 73 (Ger)
ADRENAL GLAND DISEASES, complications/ ADRENALECTOMY/ AGE FACTORS/ BONE DEVELOPMENT/ CHILD/ *CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, etiology/ CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN
- HYPERPLASIA/ INFANT/ MALE/ PITUITARY NEOPLASMS, complications
2458. Milgrom E, Atger M, Baulieu EE: Studies on estrogen entry into uterine cells and on estradiol-receptor complex attachment to the nucleus-is the entry of estrogen into uterine cells a protein-mediated process? Blochim Biophys Acta 320:287-83, 14 Sep 73
ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CELL NUCLEUS, metabolism/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CYANIDES, pharmacodynamics/ CYTOSOL, metabolism/ DINITROPHENOLS, pharmacodynamics/ *ESTRADIOL, metabolism/ *ESTRIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ IN VITRO/ IODOACETATES, pharmacodynamics/ KINETICS/ OLIGOMYCIN, pharmacodynamics/ OUABAIN, pharmacodynamics/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ SULFHYDRYL REAGENTS, pharmacodynamics/ TRITIUM/ UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism
2459. Millberger HJ, Gillert KE: Versuche zur Erzeugung einer chronischen Trichophytie bei kleinen Versuchstieren für die Prüfung von Antimycotica. II. Die Wirkung von Triamcinolon-Acetonid auf die experimentelle Meerschweinchen trichophytie.
Z Hautkr 48:637-42, 15 Aug 73 (Ger)
ANIMAL EXPERIMENTS/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ GUINEA PIGS/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ INJECTIONS, SUBCUTANEOUS/ SKINFOLD THICKNESS/ TIME FACTORS/ *TINEA, chemically induced/ TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, adverse effects/ *TRICHOPHYTON
2460. Miller BG: The biological half-lives of ribosomal and transfer RNA in the mouse uterus.
J Endocrinol 59:81-5, Oct 73
ANIMAL EXPERIMENTS/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEMALE/ HALF-LIFE/ MICE/ *RNA, RIBOSOMAL, metabolism/ *RNA, TRANSFER, metabolism/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRITIUM/ UTERUS, drug effects/ *UTERUS, metabolism
2461. Miller JK, Swanson EW, Lyke WA: Iodine concentration in nonthyroid tissues of cows.
J Dairy Sci 56:1344-6, Oct 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ CATTLE DISEASES, metabolism/ EYE, analysis/ FEMALE/ HYPOTHYROIDISM, metabolism/ HYPOTHYROIDISM, veterinary/ IODINE, administration & dosage/ *IODINE, analysis/ IODINE, blood/ IODINE, urine/ IODINE RADIOISOTOPES/ MAMMAE, analysis/ MUSCLES, analysis/ SKIN, analysis/ THYROXINE, blood/ UTERUS, analysis
2462. Miller KW, Heath EC, Easton KH, et al: Effect of triton X-100 on the conjugation of tetrahydrocortisone, in vitro. Biochem Pharmacol 22:2319-27, 15 Sep 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CORTISONE, metabolism/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ GLUCURONATES, biosynthesis/ HEXOSYLTRANSFERASES, metabolism/ IN VITRO/ KINETICS/ MALE/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, metabolism/ NITROPHENOLS/ RATS/ *SURFACE-ACTIVE AGENTS, pharmacodynamics/ TETRAHYDROCORTISONE, metabolism/ URIDINE DIPHOSPHATE SUGARS
2463. Miller PD: Letter: Phosphorus restriction and vitamin D metabolism. N Engl J Med 289:1149-50, 22 Nov 73
HUMAN/ HYDROXYCHOLECALCIFEROL, biosynthesis/ KIDNEY, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ PARATHYROID HORMONE, physiology/

AUTHOR SECTION

- *PHOSPHORUS, metabolism/ *VITAMIN D, metabolism
64. Miller RV, Sypherd PS: Topography of the Escherichia coli 30 S ribosome revealed by the modification of ribosomal proteins. J Mol Biol 78:539-50, 15 Aug 73
*BACTERIAL PROTEINS, analysis/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESCHERICHIA COLI/ IODINE/ IODINE ISOTOPES/ KINETICS/ PEROXIDASES/ PROTEIN BINDING/ PROTEIN CONFORMATION/ PROTEIN DENATURATION/ *RIBOSOMES, analysis/ RNA, BACTERIAL/ TYROSINE
65. Miller RV, Sypherd PS: Chemical and enzymatic modification of proteins in the 30 S ribosome of Escherichia coli. J Mol Biol 78:527-38, 15 Aug 73
*BACTERIAL PROTEINS/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESCHERICHIA COLI/ IODINE, pharmacodynamics/ IODINE ISOTOPES/ KINETICS/ PEROXIDASES, pharmacodynamics/ PHENYLALANINE, biosynthesis/ PROTEIN BINDING/ *RIBOSOMES/ RIBOSOMES, drug effects/ RIBOSOMES, metabolism/ TYROSINE, analysis
66. Miller WH: Cyclic nucleotides and photoreception. Exp Eye Res 18:357-63, 24 Aug 73 (28 ref.)
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CELL MEMBRANE PERMEABILITY, drug effects/ CRABS/ FROGS/ LIGHT/ MEMBRANE POTENTIALS, drug effects/ *PHOTORECEPTORS, metabolism/ RETINAL PIGMENTS, metabolism/ REVIEW/ RODS AND CONES, radiation effects/ SODIUM, metabolism
67. Millet D, Franchimont P, Hayek G, et al: FSH et LH plasmatiques dans les aménorrhées neuro-pituitaires. Etude statique, effets dynamiques des oestrogènes. Ann Endocrinol (Paris) 34:93-106, Mar-Apr 73 (Fre)
*AMENORRHEA, blood/ AMENORRHEA, etiology/ ENGLISH ABSTRACT/ ESTROGENIC SUBSTANCES, CONJUGATED/ *ESTROGENS, pharmacodynamics/ *ESTROGENS, urine/ *FSH, blood/ GONADOTROPINS, urine/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOTHALAMUS, drug effects/ *LH, blood/ OVULATION/ PITUITARY DISEASES, blood/ *PITUITARY DISEASES, complications/ PITUITARY DISEASES, urine/ PITUITARY GLAND, drug effects
68. Mills JB, Reagan CR, Rudman D, et al: Metabolic effects of plasmin digests of human growth hormone in the rat and man. J Clin Invest 52:2941-51, Nov 73
ADIPOSE TISSUE, metabolism/
AMINOISOBUTYRIC ACID, metabolism/
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARTILAGE, metabolism/ DIABETES MELLITUS, chemically induced/ DIAPHRAGM, metabolism/ DNA, biosynthesis/
ELECTROPHORESIS, DISC/ FATTY ACIDS, NONESTERIFIED, blood/ *FIBRINOLYSIN, metabolism/ GLUCOSE, metabolism/ GLYCOSURIA/ GROWTH DISORDERS, drug therapy/ HUMAN/ HYPOPHYSECTOMY/ LEUCINE, metabolism/ NITROGEN, blood/ RATS/ SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, isolation & purification/ SOMATOTROPIN, metabolism/ *SOMATOTROPIN, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM
69. Minaker K, Little H: Painful feet in rheumatoid arthritis. Can Med Assoc J 109:724-5 passim, 20 Oct 73
ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRODESIS/ FEMALE/ FLATFOOT, etiology/ FOOT, radiography/ *FOOT DEFORMITIES, ACQUIRED, etiology/
FOOT DEFORMITIES, ACQUIRED, surgery/
HALLUX VALGUS, etiology/ HUMAN/ MALE/ METATARSUS, surgery/ MIDDLE AGE/ OSTEOARTHRITIS, radiography/
OSTEOPOROSIS, chemically induced/
OSTEOPOROSIS, radiography/ *PAIN/
POSTOPERATIVE COMPLICATIONS/ SKIN ULCER, complications/ STEROIDS, adverse effects/ STEROIDS, therapeutic use/
TENOSYNOVITIS, etiology
2470. Minakova EI, Kleimbok IaL, Lomanov MF, et al: Obluchenie vnutricherepnykh obrazovaniy u melkikh zhivotnykh uzkim puchkom protonov vysokikh energii. Med Radiol (Mosk) 18:29-36, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ *BRAIN, radiation effects/ ENGLISH ABSTRACT/ GUINEA PIGS/ HAMSTERS/ *PITUITARY GLAND, radiation effects/ *PROTONS/ *RADIATION EFFECTS/ RATS
2471. Minna JD, Gilman AG: Expression of genes for metabolism of cyclic adenosine 3':5'-monophosphate in somatic cells. II. Effects of prostaglandin E1 and theophylline on parental and hybrid cells. J Biol Chem 248:6618-25, 10 Oct 73
ADENOCARCINOMA/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/
CATECHOLAMINES, pharmacodynamics/ CELL FUSION/ CELL LINE/ CLONE CELLS, drug effects/ CLONE CELLS, metabolism/
COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GENES, REGULATOR, drug effects/ HYBRID CELLS, drug effects/ KIDNEY/ LIVER/ MICE/ NEOPLASMS, EXPERIMENTAL/
NEUROBLASTOMA/ PHENOTYPE/
*PROSTAGLANDINS, pharmacodynamics/
*THEOPHYLLINE, pharmacodynamics/ TIME FACTORS
2472. Minushkin ON, Shcherbakova NV: Sostoiannie slizistoi obolochki zheludka u bol'nykh, poluchalushchikh glukokortikoidnye gormony (po dannym gastroskopii. Sov Med 35:106-11, Nov 72 (Rus)
ADULT/ BIOPSY/ ENGLISH ABSTRACT/
FEMALE/ *GASTRIC MUCOSA, drug effects/
GASTRIC MUCOSA, pathology/ HUMAN/
MALE/ MIDDLE AGE/ *PREDNISOLONE, adverse effects/ *STOMACH DISEASES, chemically induced/ STOMACH DISEASES, diagnosis
2473. Mir-Madjlessi SH, Farmer RG, Hawk WA: Granulomatous hepatitis. A review of 50 cases. Am J Gastroenterol 60:122-34, Aug 73
ADULT/ BIOPSY, NEEDLE/ DIABETES MELLITUS, complications/ FEMALE/ FEVER, diagnosis/ *GRANULOMA, diagnosis/
GRANULOMA, etiology/ *HEPATITIS, diagnosis/ HEPATITIS, etiology/
HEPATOMEGALY, complications/
HISTOPLASMIN/ HISTOPLASMOSIS, diagnosis/
HUMAN/ LIVER CIRRHOSIS, diagnosis/
LIVER CIRRHOSIS, OBSTRUCTIVE, diagnosis/
LIVER FUNCTION TESTS/ LYMPHOMA, diagnosis/ MALE/ MIDDLE AGE/
SARCOIDOSIS, complications/ SARCOIDOSIS, diagnosis/ SKIN TESTS/ SPLENOMEGALY, complications/ THYROID DISEASES, complications/ TUBERCULIN/ TUBERCULOSIS, HEPATIC, diagnosis
2474. Miras-Portugal MT, Aunis D, Mandel P: Effect of pH on bovine adrenal medulla dopamine-beta-hydroxylase. FEBS Lett 34:140-2, 15 Aug 73
*ADRENAL MEDULLA, enzymology/ BINDING SITES/ CATTLE/ CHROMATOGRAPHY, AFFINITY/ *DOPAMINE BETA HYDROXYLASE, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MODELS, BIOLOGICAL/ TYRAMINE
2475. Miscalencu D, Mailat F: Evolution of supraoptical and paraventricular nuclei (SON and PVN) during twelve hours after the administration of a single dose of thiamin (vitamin B1). Anat Anz 133:495-8, 1973
ANIMAL EXPERIMENTS/ *HYPOTHALAMUS,

AUTHOR SECTION

- drug effects/ MALE/ *NEUROSECRETION,
drug effects/ RATS/ THIAMINE,
administration & dosage/ *THIAMINE,
pharmacodynamics/ TIME FACTORS
2476. Mishell DR Jr, Thorncroft IH, Nagata Y, et al: Serum gonadotropin and steroid patterns in early human gestation. *Am J Obstet Gynecol* 117:831-42, 1 Nov 73
CORPUS LUTEUM, physiology/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ GESTATIONAL AGE/ *GONADOTROPINS, blood/ GONADOTROPINS, CHORIONIC, blood/ *HORMONES, blood/ HUMAN/ HYDROXYPROGESTERONE, blood/ LH, blood/ OVULATION/ PLACENTAL LACTOGEN, blood/ *PREGNANCY/ PROGESTERONE, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ UTERINE HEMORRHAGE, etiology
2477. Miskin M, Rosen IB, Walfish PG: B-mode ultrasonography in assessment of thyroid gland lesions. *Ann Intern Med* 79:505-10, Oct 73
COMPARATIVE STUDY/ CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ IODINE RADIOISOTOPES/ RADIOISOTOPE SCANNING/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, therapy/ *THYROID NEOPLASMS, diagnosis/ THYROIDITIS, diagnosis/ *ULTRASONICS, diagnostic use
2478. Misra CH, Parmar SS, Brumieva SJ: Induction of hepatic tyrosine aminotransferase by tyrosine-copper(II)-complex. *Res Commun Chem Pathol Pharmacol* 6:783-6, Sep 73
ANIMAL EXPERIMENTS/ *COPPER, pharmacodynamics/ ENZYME INDUCTION, drug effects/ HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ RATS/ *TYROSINE, pharmacodynamics/ *TYROSINE AMINOTRANSFERASE, metabolism
2479. Mitev IP, Angelov AM, Kryshkova AM: Ekstratreoidniy effekt metilmerkaptomidazola. I. Vliyanie metilmerkaptomidazola na aktivnost' nekotorykh fermentov pecheni i pochek morskikh svinok poluchavshikh tiroksin. *Probl Endokrinol (Mosk)* 19:94-6, Sep-Oct 73 (Rus)
AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GUINEA PIGS/ ISOCITRATE DEHYDROGENASE, metabolism/ KIDNEY, drug effects/ *KIDNEY, enzymology/ LIVER, drug effects/ *LIVER, enzymology/ MALATE DEHYDROGENASE, metabolism/ *METHIMAZOLE, pharmacodynamics/ *THYROXINE, administration & dosage
2480. Mitropol'skiy AN: Sostoianie podzheludochnoy zhelezы u bol'nykh khronicheskim nespetsificheskim infektsionnym poliartritom v svyazi s lecheniem glukokortikoidami. *Sov Med* 35:86-9, Jun 72 (Rus)
ADULT/ *ARTHRITIS, INFECTIOUS, drug therapy/ ARTHRITIS, INFECTIOUS, pathophysiology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *PANCREAS, pathophysiology/ PANCREAS, secretion
2481. Mitschke H, Altenähr E, Dellling G, et al: Das plürlglanduläre Insuffizienzsyndrom. Hypoparathyreoidismus-Morbus Addison-Monilliasis. *Dtsch Med Wochenschr* 98:1666-9, 7 Sep 73 (Ger)
*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, pathology/ AUTOPSY/ BONE AND BONES, pathology/ BONE RESORPTION, pathology/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HEPATITIS, INFECTIOUS, complications/ HUMAN/ *HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, pathology/ *MONILIASIS, complications/ OSTEOPOROSIS/ OSTEOPOROSIS, pathology/ OVARY, pathology/ SYNDROME
2482. Mitschke H, Saeger W, Breustedt HJ: Zur Ultrastruktur der Nebennierenrindentumoren beim Cushing-Syndrom. *Virchows Arch [Pathol Anat]* 360:253-64, 4 Sep 73 (Ger)
ADENOMA, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ ADULT/ CARCINOMA, pathology/ CELL NUCLEOLUS/ *CUSHING'S SYNDROME, pathology/ DIAGNOSIS, DIFFERENTIAL/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MITOCHONDRIA
2483. Mitsushima T, Kawazura H, Ishii T, et al: [Pharmacological studies on a new analgesic drug 1-(m-methoxyphenyl)-2-dimethylaminomethyl cyclohexanol (1) hydrochloride (K-315)]. 3. Relationship between catecholamine and 5-HT level in the brain and analgesic action of K-315. *Folia Pharmacol Jap* 69:437-45, May 73 (Jap)
*ANALGESICS AND ANTIPYRETICS/ ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ COCAINE, pharmacodynamics/ *CYCLOHEXANOL, pharmacodynamics/ DIMETHYLAMINES, pharmacodynamics/ DOPA pharmacodynamics/ ENGLISH ABSTRACT/ ETHERS, pharmacodynamics/ HYDROXYTRYPTOPHAN, analysis/ MALE/ METHYLTYROSINES, pharmacodynamics/ MICE/ *SEROTONIN, analysis/ TETRABENAZINE, pharmacodynamics
2484. Mitznegg P: On the mechanism of radioprotection by cysteamine. II. The significance of cyclic 3',5'-AMP for the cysteamine-induced radioprotective effects in white mice. *Int J Radiat Biol* 24:339-44, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ *CYSTEAMINE, therapeutic use/ DNA, hlosynthesis/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MICE/ *RADIATION INJURIES, EXPERIMENTAL, prevention & control/ *RADIATION-PROTECTIVE AGENTS, therapeutic use/ THYMIDINE, metabolism/ TRITIUM
2485. Miyai K, Azukizawa M, Kumahara Y: [TRH test-Interpretation of the test results] *Jap J Clin Med* 31:1598-605, 1973 (47 ref.) (Jap)
ESTROGENS, pharmacodynamics/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ REVIEW/ THYROID HORMONES, pharmacodynamics/ THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, adverse effects/ *THYROTROPIN RELEASING HORMONE, diagnostic use
2486. Miyamoto E: [Cyclic nucleotide-dependent protein kinases-the enzymological aspects and roles in the biological system (author's transl)] *Protein Nucleic Acid Enzyme (Tokyo)* 18:321-32, May 73 (130 ref.) (Jap)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ ENZYME ACTIVATION/ GLYCOGEN SYNTHETASE, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ HISTONES, metabolism/ LIPASE, metabolism/ MICROSOMES, analysis/ MYOCARDIUM, enzymology/ NERVE TISSUE PROTEINS, metabolism/ PHOSPHATASES, metabolism/ PHOSPHORYLASE KINASE, metabolism/ PROTEIN BINDING/ *PROTEIN KINASE, metabolism/ RECEPTORS, DRUG/ REVIEW/ RNA POLYMERASE, metabolism
2487. Miyamoto H, Chang MC: Fertilization of rat eggs in vitro. *Biol Reprod* 9:384-93, Nov 73
CELLS, CULTURED/ CULTURE MEDIA/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ IN VITRO/ INSEMINATION, ARTIFICIAL/ METHODS/

AUTHOR SECTION

- OVULATION, drug effects/ *OVUM/
PREGNANCY/ RATS/ SERUM ALBUMIN,
BOVINE, pharmacodynamics/ SPERM
CAPACITATION/ TIME FACTORS
2488. Miyata H: A study on the intracellular digestion
metabolism of granulocytes from children.
Med J Osaka Univ 23:153-77, Dec 72
ADRENAL CORTEX HORMONES,
pharmacodynamics/ ADULT/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ HUMAN/
*LEUKOCYTES, metabolism/ LYMPHOCYTES,
metabolism/ MALE/ OXIDATION-REDUCTION/
TETRAZOLIUM SALTS, metabolism
2489. Mobbs EJ: Breast-feeding, rooming-in, demand-feeding
and houses of correction.
Med J Aust 2:339-41, 18 Aug 73
ATTITUDE OF HEALTH PERSONNEL/
ATTITUDE TO HEALTH/ *BREAST
FEEDING/ FEMALE/ HOME CARE
SERVICES/ *HOSPITAL ADMINISTRATION/
HOSPITALIZATION/ HUMAN/ INFANT,
NEWBORN/ LACTATION/ LENGTH OF
STAY/ MOTHER-CHILD RELATIONS/
NURSING/ PREGNANCY
2490. Modlinger RS, Nicolis GL, Krakoff LR, et al: Some
observations on the pathogenesis of Bartter's
syndrome. N Engl J Med 289:1022-4, 8 Nov 73
ADULT/ ALDOSTERONE, secretion/
ALKALOSIS, physiopathology/ ANGIOTENSIN
II, pharmacodynamics/ ANGIOTENSIN II,
therapeutic use/ BLOOD VOLUME/ DRUG
THERAPY, COMBINATION/ HUMAN/
HYPERALDOSTERONISM, blood/
HYPERALDOSTERONISM, drug therapy/
*HYPERALDOSTERONISM, physiopathology/
HYPERALDOSTERONISM, urine/
HYPERPLASIA/ HYPERTROPHY/
HYPOKALEMIA, physiopathology/
*JUXTAGLOMERULAR APPARATUS/
KIDNEY, physiopathology/ *KIDNEY
DISEASES, physiopathology/ MALE/
POTASSIUM, blood/ PROPRANOLOL,
pharmacodynamics/ PROPRANOLOL,
therapeutic use/ RENIN, blood/
SPIRONOLACTONE, pharmacodynamics/
SPIRONOLACTONE, therapeutic use
2491. Moeller FA: The os trigonum syndrome.
J Am Podiatry Assoc 63:491-501, Oct 73
ADOLESCENCE/ ADULT/ *BONE AND
BONES/ *FOOT DISEASES/ HUMAN/ MALE/
SYNDROME
2492. Mogensen B: Invasive mole and gestational
choriocarcinoma in Denmark, 1940-1969. Biological
and clinical aspects.
Acta Obstet Gynecol Scand 52:211-20, 1973
ADOLESCENCE/ ADULT/ AGE FACTORS/
CHORIOADENOMA, mortality/
*CHORIOADENOMA, occurrence/
CHORIOADENOMA, therapy/
CHORIOCARCINOMA, mortality/
*CHORIOCARCINOMA, occurrence/
CHORIOCARCINOMA, therapy/ DENMARK/
FEMALE/ HUMAN/ INFANT, NEWBORN/
MALE/ MIDDLE AGE/ NEOPLASM
METASTASIS/ PARITY/ PREGNANCY/
PREGNANCY COMPLICATIONS/ UTERINE
NEOPLASMS, mortality/ *UTERINE
NEOPLASMS, occurrence/ UTERINE
NEOPLASMS, therapy
2493. Mohr HJ: Veränderungen des Zylinderepithels der
Cervixschleimhaut im normalen Zyklus, in der
Frühschwangerschaft sowie bei
Ovulationshemmereinnahme.
Verh Dtsch Ges Kreislafforsch 56:521-6, 1972 (Ger)
CERVIX DISEASES, chemically induced/
*CERVIX UTERI, cytology/ CERVIX UTERI,
drug effects/ COMPARATIVE STUDY/
*CONTRACEPTIVES, ORAL, adverse effects/
ENDOMETRIUM, cytology/ ENDOMETRIUM,
pathology/ ENGLISH ABSTRACT/
EPITHELIUM, drug effects/ FEMALE/
HUMAN/ *MENSTRUATION/ MUCOUS
MEMBRANE, drug effects/ *PREGNANCY
2494. Mohr JA, Tatem BA, Long H, et al: Increased
susceptibility of Cryptococcus neoformans to
amphotericin B in the presence of steroids.
Sabouraudia 11:140-2, Jul 73
*AMPHOTERICIN B, pharmacodynamics/
COMPARATIVE STUDY/ CRYPTOCOCCOSIS,
cerebrospinal fluid/ *CRYPTOCOCCUS, drug
effects/ CRYPTOCOCCUS NEOFORMANS,
drug effects/ CRYPTOCOCCUS NEOFORMANS,
growth & development/ CRYPTOCOCCUS
NEOFORMANS, isolation & purification/
DIETHYLSTILBESTROL, pharmacodynamics/
*DRUG RESISTANCE, MICROBIAL/
ESTRADIOL, pharmacodynamics/ *ESTROGENS,
pharmacodynamics/ HUMAN/ MENINGITIS,
cerebrospinal fluid/ NORETHYNODREL,
pharmacodynamics/ *PREGNANES,
pharmacodynamics/ PROGESTERONE,
pharmacodynamics/ *TESTOSTERONE,
pharmacodynamics/ TIME FACTORS
2495. Mok AC, Box BM, Mogenson GJ: The effect of ablating
the habenular nucleus of rats recovered from lesions
of the lateral hypothalamus.
Physiol Behav 11:577-9, Oct 73
ANIMAL EXPERIMENTS/ *DRINKING/
*EATING/ *HYPOTHALAMUS, physiology/
LIMBIC SYSTEM, physiology/ MALE/
NEURAL INTERCONNECTIONS, physiology/
RATS/ STEREOTAXIC TECHNIQS/
SYNAPSES, physiology/ *THALAMUS,
physiology
2496. Mokgokong ET: Treatment of septicaemic shock in
gynaecology and obstetrics.
S Afr Med J 47:2013-8, 27 Oct 73
ABORTION, SEPTIC, complications/ ADRENAL
CORTEX HORMONES, therapeutic use/
BICARBONATES, therapeutic use/ BLOOD
TRANSFUSION/ CHLORAMPHENICOL,
therapeutic use/ DIGOXIN, therapeutic use/
ESCHERICHIA COLI INFECTIONS, therapy/
EXCHANGE TRANSFUSION/ FEMALE/
GENTAMICIN, therapeutic use/ HUMAN/
HYSTERECTOMY/ ISOPROTERENOL,
therapeutic use/ KANAMYCIN, therapeutic
use/ PENICILLIN, therapeutic use/ PLASMA
SUBSTITUTES, therapeutic use/
PREGNANCY/ PUERPERAL INFECTION,
complications/ SEPTICEMIA, surgery/
*SEPTICEMIA, therapy/ SHOCK, TOXIC,
etiology/ SHOCK, TOXIC, mortality/ *SHOCK,
TOXIC, therapy/ TETRACYCLINE, therapeutic
use
2497. Mollet P: Untersuchungen über Mutagenität und
Toxizität von Captan bei Drosophila.
Mutat Res 21:137-48, Jun 73 (Ger)
ANIMAL EXPERIMENTS/ *CAPTAN,
pharmacodynamics/ CAPTAN, toxicity/
DIMETHYL SULFOXIDE, pharmacodynamics/
*DROSOPHILA MELANOGASTER,
drug effects/ ENGLISH ABSTRACT/ GENES,
LETHAL/ GENES, RECESSIVE/ MALE/
*MUTAGENS/ MUTATION, drug effects/ SEX
CHROMOSOMES/ STERILITY, MALE,
chemically induced/ TRIAZIQUONE,
pharmacodynamics
2498. Money J: Intersexual problems.
Cln Obstet Gynecol 16:169-91, Sep 73
ADRENOGENITAL SYNDROME, complications/
ADRENOGENITAL SYNDROME, familial &
genetic/ CHILD REARING/ COUNSELING/
CRYPTORCHISM, complications/ FEMALE/
GENETICS, BEHAVIORAL/ GYNECOMASTIA,
complications/ HERMAPHRODITISM,
complications/ HORMONES, therapeutic use/
HUMAN/ HYPOSPADIAS, complications/
KLINEFELTER'S SYNDROME, complications/
MALE/ MOSAICISM/ *SEX
DIFFERENTIATION DISORDERS/ SEX
DIFFERENTIATION DISORDERS, diagnosis/
SEX DIFFERENTIATION DISORDERS, drug
therapy/ SEX DIFFERENTIATION
DISORDERS, embryology/ SEX
DIFFERENTIATION DISORDERS, surgery/
TESTICULAR FEMINIZATION, complications/
TRANSEXUALISM, complications/

AUTHOR SECTION

- TRANSVESTISM, complications/ TURNER'S SYNDROME, complications
2499. Monnard P, Schorderet M: Cyclic adenosine 3',5'-monophosphate concentration in rabbit parotid slices following stimulation by secretagogues. *Eur J Pharmacol* 23:308-10, Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, antagonists & inhibitors/ IN VITRO/ *PARASYMPATHOMIMETICS, pharmacodynamics/ *PAROTID GLAND, analysis/ PAROTID GLAND, drug effects/ PHENTOLAMINE, pharmacodynamics/ PROPANOLOL, pharmacodynamics/ RABBITS/ STIMULATION, CHEMICAL/ *SYMPATHOMIMETICS, pharmacodynamics/ TRITIUM
2500. Montagna W: Baldness: a disease? *J Am Med Assoc* 28:447-50 passim, Sep 73
AGED/ ALOPECIA, etiology/ *ALOPECIA, physiotherapy/ ANDROGENS, metabolism/ CHILD/ FEMALE/ HAIR, metabolism/ HAIR, physiotherapy/ HUMAN/ MALE
2501. Moo-Young AJ, Tatum HJ, Brinson AO, et al: Copper levels in tissues of rhesus monkeys bearing intrauterine or intra-abdominal copper devices. *Fertil Steril* 24:848-53, Nov 73
ADRENAL GLANDS, metabolism/ ALANINE AMINOTRANSFERASE, blood/ ANIMAL EXPERIMENTS/ AUTOANALYSIS/ BLOOD UREA NITROGEN/ BRAIN, metabolism/ COPPER, blood/ *COPPER, metabolism/ FEMALE/ *INTRAUTERINE DEVICES, adverse effects/ KIDNEY, metabolism/ LACTATE DEHYDROGENASE, blood/ LIVER, metabolism/ LUNG, metabolism/ MACACA/ MONKEYS/ MYOCARDIUM, metabolism/ ORGAN WEIGHT/ OVARY, metabolism/ PANCREAS, metabolism/ SPLEEN, metabolism/ UTERUS, metabolism
2502. Moon YS, Hardy MH: The early differentiation of the testis and interstitial cells in the fetal pig, and its duplication in organ culture. *Am J Anat* 138:253-67, Oct 73
ANDROGENS, secretion/ ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE, cytology/ *CELL DIFFERENTIATION/ CULTURE MEDIA/ EPITHELIAL CELLS/ FEMALE/ GESTATIONAL AGE/ KARYOMETRY/ LEYDIG CELLS/ MALE/ MITOSIS/ OVARY, cytology/ OVARY, embryology/ PREGNANCY/ *SWINE, embryology/ TESTIS, cytology/ *TESTIS, embryology/ TESTIS, physiology/ TIME FACTORS
2503. Moon YS, Hardy MH, Raeside JI: Biological evidence for androgen secretion by the early fetal pig testes in organ culture. *Biol Reprod* 9:330-7, Nov 73
ADRENAL GLANDS, secretion/ ANDROGENS, pharmacodynamics/ *ANDROGENS, secretion/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ FEMALE/ FETUS/ *GONADS, embryology/ MALE/ ORGAN CULTURE/ PROSTATE, cytology/ PROSTATE, drug effects/ PROSTATE, secretion/ RATS/ SWINE/ TESTIS, secretion/ TESTOSTERONE, pharmacodynamics
2504. Moor RM, Hay MF, McIntosh JE, et al: Effect of gonadotrophins on the production of steroids by sheep ovarian follicles cultured in vitro. *J Endocrinol* 58:599-611, Sep 73
ANIMAL EXPERIMENTS/ BIOMETRY/ *ESTROGENS, secretion/ ESTRUS/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE, anatomy & histology/ *GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, secretion/ ORGAN CULTURE/ PROGESTERONE, secretion/ RADIOIMMUNOASSAY/ SHEEP/
- STIMULATION, CHEMICAL/ TIME FACTORS/ TRITIUM
2505. Moore CP, Dutt RH, Hays VW, et al: Influence of one-day or conventional flushing on ovulation rate and litter size at 28 days gestation in gilts. *J Anim Sci* 37:734-8, Sep 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BREEDING/ CORPUS LUTEUM, anatomy & histology/ EMBRYO, anatomy & histology/ ESTRUS/ FEMALE/ FERTILITY/ FERTILIZATION/ GESTATIONAL AGE/ *OVULATION/ *PREGNANCY, ANIMAL/ SEASONS/ *SWINE, physiology/ TIME FACTORS
2506. Moore JA, Gupta BN, Zinkl JG, et al: Postnatal effects of maternal exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). *Environ Health Perspect* 5:81-5, Sep 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ ANIMAL EXPERIMENTS/ CHLOROBENZENES/ CLEFT PALATE, chemically induced/ *DIOXINS, toxicity/ ENVIRONMENTAL EXPOSURE/ FEMALE/ *FETUS, drug effects/ HYDRONEPHROSIS, chemically induced/ KIDNEY, abnormalities/ LACTATION/ MICE/ MICE, INBRED C57BL/ PREGNANCY
2507. Moore TJ, Lione AP, Regen DM: Effect of thyroid hormone on cerebral glucose metabolism in the infant rat. *Am J Physiol* 225:925-9, Oct 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIOLOGICAL TRANSPORT, drug effects/ BLOOD-BRAIN BARRIER/ BRAIN, drug effects/ BRAIN, growth & development/ *BRAIN, metabolism/ CARBON RADIOISOTOPES/ CEREBROVASCULAR CIRCULATION/ *GLUCOSE, metabolism/ METHIMAZOLE, pharmacodynamics/ RATS/ REGIONAL BLOOD FLOW/ *THYROXINE, pharmacodynamics
2508. Moragas JM de, Giménez-Camarasa JM, Noguera J: Localized heat urticaria. *Arch Dermatol* 108:684-6, Nov 73
ADULT/ ATROPINE, pharmacodynamics/ COMPOUND 48-80, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEMALE/ FOREARM/ *HEAT, adverse effects/ HISTAMINE, pharmacodynamics/ HUMAN/ KALLIKREIN, pharmacodynamics/ LIDOCAINE, pharmacodynamics/ PASSIVE TRANSFER/ PREDNISOLONE, pharmacodynamics/ PROCALCITONIN, pharmacodynamics/ PRURITUS, chemically induced/ RADIATION EFFECTS/ SKIN, blood supply/ SKIN, drug effects/ SKIN, radiation effects/ TIME FACTORS/ ULTRAVIOLET RAYS/ *URTICARIA, etiology/ URTICARIA, immunology/ URTICARIA, pathology
2509. Morfin RF, Berthou F, Floch HH, et al: Evaluation of the specific activity of biochemically-prepared carrier-crystallized androgen radiometabolites by a new procedure. *J Steroid Biochem* 4:381-91, Jul 73
*ANDROGENS, metabolism/ ANDROSTANES, biosynthesis/ ANDROSTENES, biosynthesis/ ANDROSTERONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, GAS/ CRYSTALLIZATION/ EVALUATION STUDIES/ FEMALE/ HYDROXYSTERIODS, biosynthesis/ IN VITRO/ ISOTOPE LABELING/ MALE/ METHODS/ MICROSOMES, LIVER, metabolism/ NANDROLONE, metabolism/ RATS/ SEX FACTORS/ STANOLONE, biosynthesis/ TESTOSTERONE, metabolism
2510. Morgner KD, Gillich KH, Krüskemper HL, et al: Dosierungsprobleme bei thyreostatischer Initialbehandlung der diffusen Hyperthyreose mit Methylmercaptimidazol. *Med Klin* 68:1038-41, 10 Aug 73 (Ger)
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ BASAL METABOLISM/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, drug therapy/

AUTHOR SECTION

- HYPERTHYROIDISM, metabolism/
*IMIDAZOLES, administration & dosage/
IODINE, blood/ LEAD/ *METHIMAZOLE,
administration & dosage/ METHIMAZOLE,
therapeutic use/ MIDDLE AGE/
PROTEIN-BOUND IODINE TEST/
RADIOISOTOPES/ *THYROID ANTAGONISTS,
administration & dosage
511. Mori J, Hafez ES, Jaszczak S, et al: Serum LH during
ovulatory and anovulatory menstrual cycles in
macaques. *Acta Endocrinol (Kbh)* 73:751-8, Aug 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM,
physiology/ FEMALE/ GRAAFIAN FOLLICLE,
physiology/ *LH, blood/ MACACA/
*MENSTRUATION/ MONKEYS/ OVULATION/
RADIOIMMUNOASSAY/ TIME FACTORS
512. Mori J, Hafez ES: Serum luteinizing hormone
concentrations in male monkeys (Macaca
fascicularis). *Am J Vet Res* 34:1073-6, Aug 73
ANESTHESIA/ ANIMAL EXPERIMENTS/
CIRCADIAN RHYTHM/ COITUS/
EJACULATION/ ELECTRIC STIMULATION/
FEMALE/ INJECTIONS, INTRAMUSCULAR/
KETAMINE, administration & dosage/ *LH,
blood/ *MACACA, physiology/ MALE/
MONKEYS/ TIME FACTORS
513. Mori K: Participation of the sympathetic nervous
system in spontaneously hypertensive rats.
Jap Circ J 37:609-18, Jun 73
ADRENAL GLANDS, analysis/ ANIMAL
EXPERIMENTS/ BLOOD PRESSURE, drug
effects/ CATECHOLAMINES, analysis/
COMPARATIVE STUDY/ HYPERTENSION,
metabolism/ *HYPERTENSION,
physiopathology/ KIDNEY, analysis/ LIVER,
analysis/ LUNG, analysis/ MALE/
MYOCARDIUM, analysis/ RATS/ RESERPINE,
pharmacodynamics/ SPLEEN, analysis/
*SYMPATHETIC NERVOUS SYSTEM,
physiopathology/ TYRAMINE,
pharmacodynamics
514. Mori N, Motoshima M: Hormonal effects on the action
of rabbit uterine extract on the rat uterine
contractility. *Kumamoto Med J* 26:80-3, 30 Jun 73
ANIMAL EXPERIMENTS/ *ESTROGENS,
pharmacodynamics/ FEMALE/ IN VITRO/
MUSCLE CONTRACTION, drug effects/
*PROGESTERONE, pharmacodynamics/
RABBITS/ RATS/ TISSUE EXTRACTS,
antagonists & inhibitors/ *TISSUE EXTRACTS,
pharmacodynamics/ *UTERUS, drug effects
515. Mori W, Okeda K: Pineal change in Reese's syndrome.
Acta Pathol Jap 23:359-68, May 73
*ABNORMALITIES, MULTIPLE, pathology/
AUTOPSY/ BRAIN, abnormalities/ FEMALE/
HUMAN/ INFANT/ MALE/
MICROPHthalmos, pathology/ *PINEAL
BODY, pathology/ *RETINA, abnormalities/
SYNDROME
518. Moriarty GC: Adenohypophysis: ultrastructural
cytochemistry. A review.
J Histochem Cytochem 21:855-94, Oct 73 (171 ref.)
ANIMAL EXPERIMENTS/ ANTIBODY
SPECIFICITY/ ANTIGEN-ANTIBODY
REACTIONS/ AUTORADIOGRAPHY/
CORTICOTROPIN, analysis/ FSH, analysis/
GLYCOPROTEINS, analysis/ GOATS,
immunology/ HISTOCYTOCHEMISTRY/
IMMUNE SERUMS/ IMMUNOCHEMISTRY/ LH,
analysis/ MSH, analysis/ PEROXIDASES,
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*PITUITARY GLAND, cytology/ PITUITARY
GLAND, enzymology/ PITUITARY GLAND,
immunology/ PLANTS, enzymology/
PROLACTIN, analysis/ RABBITS, immunology/
REVIEW/ SHEEP, immunology/
SOMATOTROPIN, analysis/ THYROTROPIN,
analysis
517. Moriarty GC, Moriarty CM, Sternberger LA:
Ultrastructural immunocytochemistry with unlabeled
antibodies and the peroxidase-antiperoxidase
complex. A technique more sensitive than
radioimmunoassay.
- J Histochem Cytochem 21:825-33, Sep 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/
COMPARATIVE STUDY/ *CORTICOTROPIN,
analysis/ EVALUATION STUDIES/
HISTOCYTOCHEMISTRY/ IMMUNE SERUMS/
MALE/ METHODS/ MICROSCOPY,
ELECTRON/ *PEROXIDASES/ PITUITARY
GLAND, analysis/ *PITUITARY GLAND,
cytology/ PITUITARY GLAND, enzymology/
RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ STAINS AND
STAINING
2518. Morii H: [Calcitonin--interpretation of the test results]
Jap J Clin Med 31:1700-4, 1973 (23 ref.) (Jap)
*CALCITONIN, blood/ CALCITONIN,
secretion/ CALCIUM, pharmacodynamics/
CALCIUM METABOLISM DISORDERS, blood/
GLUCAGON, pharmacodynamics/ HUMAN/
RADIOIMMUNOASSAY/ REVIEW/ THYROID
DISEASES, blood/ THYROID NEOPLASMS,
blood/ THYROIDECTOMY
2519. Morin RJ: Effects of prostaglandins E1 and F2alpha and
of polyphlorethol phosphate on cholesterol
esterification by rabbit ovarian subcellular fractions.
Res Commun Chem Pathol Pharmacol 6:195-206, Jul 73
ACETYLTRANSFERASES, metabolism/
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ *CHOLESTEROL,
metabolism/ CORPUS LUTEUM, drug effects/
CORPUS LUTEUM, metabolism/ ESTERASES,
metabolism/ ESTERS, biosynthesis/ FEMALE/
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MICROSOMES, metabolism/ MITOCHONDRIA,
drug effects/ MITOCHONDRIA, metabolism/
OVARY, cytology/ OVARY, drug effects/
*OVARY, metabolism/ PALMITIC ACID,
metabolism/ *PHLORETIN, pharmacodynamics/
PREGNANCY/ *PROSTAGLANDINS,
pharmacodynamics/ RABBITS/ SUBCELLULAR
FRACTIONS, enzymology
2520. Morishita Y, Nishiyama K, Yamamura H, et al:
Glycogen phosphorylase kinase deficiency: a survey
of enzymes in phosphorylase activating system.
Biochem Biophys Res Commun 54:833-41, 1 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE TRIPHOSPHATE,
metabolism/ ANIMAL EXPERIMENTS/ CHILD,
PRESCHOOL/ ENZYME ACTIVATION/
*GLYCOGEN PHOSPHORYLASE, metabolism/
*HEPATOMEGALY, enzymology/
HEPATOMEGALY, pathology/ HUMAN/
*LIVER, enzymology/ LIVER, pathology/
LIVER GLYCOGEN, metabolism/ MALE/
MUSCLES, enzymology/ *PHOSPHORYLASE
KINASE, metabolism/ RABBITS
2521. Mornex R, Berthezene F: Editorial: Diagnostic
anatomique et physiopathologique des adenomes
hypophysaires. Apport des explorations
antéhypophysaires modernes.
Nouv Presse Med 2:2169-72, 22 Sep 73 (Fre)
*ADENOMA, diagnosis/ CORTICOTROPIN,
blood/ GONADOTROPINS, PITUITARY, blood/
HUMAN/ HYPOTHALAMO-HYPHYSAL
SYSTEM, physiopathology/
*PITUITARY-ADRENAL FUNCTION TESTS/
*PITUITARY NEOPLASMS, diagnosis/
PROLACTIN, blood/ RADIOIMMUNOASSAY/
SOMATOTROPIN, blood/ THYROTROPIN,
blood
2522. Morris HG, DeRoche G, Caro CM: Detection of
synthetic corticosteroid analogues by the competitive
protein-binding radioassay. *Steroids* 22:445-50, Sep 73
BETAMETHASONE, analysis/ BINDING,
COMPETITIVE/ CORTISONE, analysis/
DEXAMETHASONE, analysis/
FLUDROCORTISONE/ *GLUCOCORTICOIDS,
analysis/ HUMAN/ HYDROCORTISONE,
analysis/ METHYLPREDNISOLONE, analysis/
PREDNISOLONE, analysis/ PREDNISONE,
analysis/ PROTEIN BINDING/ TRASCORTIN/
TRITIUM
2523. Morris PW, Gorski J: Control of steroidogenesis in
pre-ovulatory cells. Luteinizing hormone stimulation
of (14C)-acetate incorporation into sterols.

AUTHOR SECTION

- J Biol Chem 248:6920-7, 10 Oct 73
ACETATES, metabolism/ ANIMAL
EXPERIMENTS/ CALCIUM/ CARBON
RADIOISOTOPES/ CHOLESTEROL,
biosynthesis/ CHROMATOGRAPHY/
CHROMATOGRAPHY, GAS/ ESTERS/
FEMALE/ GONADOTROPINS, EQUINE,
pharmacodynamics/ LANOSTEROL,
biosynthesis/ *LH, pharmacodynamics/ OVARY,
drug effects/ *OVARY, metabolism/
OVULATION/ RABBITS/ SILICA/ SQUALENE,
biosynthesis/ *STEROLS, biosynthesis/ TIME
FACTORS
2524. Morrison AB, Webster RA: Reserpine rigidity and
adrenergic neurones.
Neuropharmacology 12:725-33, Aug 73
ANIMAL EXPERIMENTS/ DOPA,
pharmacodynamics/ IPRONIAZID,
pharmacodynamics/ METHYLDOPA,
pharmacodynamics/ METHYLTYROSINES,
pharmacodynamics/ MONOAMINE OXIDASE
INHIBITORS, pharmacodynamics/ *NEURONS,
drug effects/ NOREPINEPHRINE,
biosynthesis/ RATS/ *RESERPINE,
pharmacodynamics/ SEROTONIN,
pharmacodynamics/ *SYMPATHETIC NERVOUS
SYSTEM, drug effects/ TETRABENAZINE,
pharmacodynamics/ TIME FACTORS/
TRANSLCYPROMINE, pharmacodynamics/ VAS
DEFERENS, drug effects
2525. Morse HC, Horike N, Rowley MJ, et al: Testosterone
concentrations in testes of normal men: effects of
testosterone propionate administration.
J Clin Endocrinol Metab 37:882-6, Dec 73
ADULT/ HUMAN/ LEYDIG CELLS, drug
effects/ LH, blood/ MALE/ MIDDLE AGE/
SPERMATOGENESIS, drug effects/ *TESTIS,
analysis/ *TESTOSTERONE, analysis/
TESTOSTERONE, pharmacodynamics
2526. Mortimer CH, Besser GM, McNelly AS, et al:
Luteinizing hormone and follicle stimulating
hormone-releasing hormone test in patients with
hypothalamic-pituitary-gonadal dysfunction.
Br Med J 4:73-7, 13 Oct 73
ADOLESCENCE/ ADULT/ AMENORRHEA,
complications/ AMENORRHEA, diagnosis/
CHILD/ ENDOCRINE DISEASES, diagnosis/
FEMALE/ *FSH/ FSH, therapeutic use/
GONADOTROPINS, metabolism/ HUMAN/
*HYPOGONADISM, diagnosis/
HYPOGONADISM, drug therapy/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM/
*LH/ LH, therapeutic use/ MALE/ PEPTIDES,
therapeutic use/ *PITUITARY DISEASES,
diagnosis/ *PITUITARY HORMONE
RELEASING HORMONES, diagnostic use/
PITUITARY HORMONE RELEASING
HORMONES, therapeutic use
2527. Morton JR, Drewry J, Ware RG Jr: Surgically
correctable hypertension. Diagnosis and treatment.
J Malne Med Assoc 64:196-200 passim, Sep 73
AGED/ ELECTROLYTES, blood/ FEMALE/
HUMAN/ HYPERALDOSTERONISM, surgery/
HYPERTENSION, RENAL, diagnosis/
HYPERTENSION, RENAL, radiography/
*HYPERTENSION, RENAL, surgery/ KIDNEY
DISEASES, surgery/ MALE/ MIDDLE AGE/
PHEOCHROMOCYTOMA, surgery/ *RENAL
ARTERY OBSTRUCTION, surgery/
UROGRAPHY/ VANILMANDELIC ACID, urine
2528. Mosin VI: Okelosbcbitovidnye zhelezy i zheludok.
Klin Med (Mosk) 51:106-13, Mar 73 (80 ref.) (Rus)
ANIMAL EXPERIMENTS/ CALCIUM,
metabolism/ GASTRIC JUICE, secretion/
HUMAN/ HYPERPARATHYROIDISM,
complications/ HYPERPARATHYROIDISM,
metabolism/ *HYPERPARATHYROIDISM,
physiopathology/ HYPOPARATHYROIDISM,
physiopathology/ PHOSPHORUS, metabolism/
REVIEW/ *STOMACH, physiopathology/
STOMACH ULCER, etiology/ STOMACH
ULCER, metabolism
2529. Moskal J, Ujwary S: Przypadek choroby Hortona
(arteritis temporalis).
- Wlad Lek 26:1533-4, 15 Aug 73 (Pol)
AGED/ DIABETES MELLITUS, complications/
HUMAN/ MALE/ PREDNISONE, therapeutic
use/ *TEMPORAL ARTERITIS, complications/
TEMPORAL ARTERITIS, drug therapy
2530. Mostafapour MK, Tchen TT: Capacity for
steroidogenesis of adrenals in hypophysectomized
and adrenocorticotrophic hormone-treated
hypophysectomized rats. Implication of a ribonucleic
acid for hormone-induced steroidogenesis.
J Biol Chem 248:6674-8, 10 Oct 73
ADRENAL GLANDS, drug effects/ *ADRENAL
GLANDS, metabolism/ ADRENAL GLANDS,
physiology/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/
CORTICOTROPIN, pharmacodynamics/
CYCLOHEXIMIDE, pharmacodynamics/
DACTINOMYCIN, pharmacodynamics/
*GLUCOCORTICOIDS, biosynthesis/
HYPOPHYSECTOMY/ LEUCINE, metabolism/
PITUITARY GLAND, physiology/
PUROMYCIN, pharmacodynamics/ RATS/
*REGENERATION/ RNA, MESSENGER,
biosynthesis/ TIME FACTORS/ URIDINE,
metabolism
2531. Motta P, Calvieri S, Palermo D: On the occurrence of
spaces similar to intercellular canaliculi in the Leydig
cells of mice. Experientia 29:1120-2, 15 Sep 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE/
*INTERCELLULAR JUNCTIONS/ *LEYDIG
CELLS, cytology/ MALE/ MICE/
MICROSCOPY, ELECTRON
2532. Mozes E, Shearer GM, Melmon KL, et al: In vitro
correction of antigen-induced immune suppression:
effects of poly(A) poly(U) and prostaglandin E.
Cell Immunol 9:226-33, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
analysis/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ ANTIBODIES, analysis/
ANTIBODY SPECIFICITY/ *ANTIGENS/
FREUND'S ADJUVANT/ GAMMA GLOBULIN/
HEMAGGLUTINATION TESTS/
*IMMUNOSUPPRESSION/ MICE/ MICE,
INBRED DBA/ MICE, INBRED STRAINS/
PASSIVE TRANSFER/ PEPTIDES/ *POLY
A-U, pharmacodynamics/ *PROSTAGLANDINS,
pharmacodynamics/ RADIATION CHIMERA/
SPLEEN, cytology/ TRITIUM
2533. Mozhaeva GN, Naumov AP: Effect of surface charge on
stationary potassium conductivity of the Ranvier
node membrane. I. Change in pH of external solution.
Neurosci Behav Physiol 8:166-74, Apr-Jun 73
ANIMAL EXPERIMENTS/ CALCIUM,
metabolism/ CALCIUM, pharmacodynamics/
ELECTROCHEMISTRY/ FROGS/
*HYDROGEN-ION CONCENTRATION/ IN
VITRO/ MEMBRANE POTENTIALS, drug
effects/ *NEURAL CONDUCTION/
*NEURILEMMA, metabolism/ *POTASSIUM,
metabolism/ RANA/ *RANVIER'S NODES,
metabolism/ SOLUTIONS
2534. Mraz FR: Intestinal absorption of ⁴⁵Ca and ⁸⁹Sr as
affected by Ca, Sr and Mg. Poult Sci 52:1208-9, May 73
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
*CHICKENS, metabolism/ *INTESTINAL
ABSORPTION/ INTESTINE, SMALL,
metabolism/ MAGNESIUM, metabolism/ MALE/
PERFUSION/ *STRONTIUM, metabolism/
STRONTIUM RADIOISOTOPES
2535. Mubashir BA, Shullenberger CC, Gamble JF:
Treatment of advanced Hodgkin's disease with
combination chemotherapy.
South Med J 66:779-84, Jul 73
ADULT/ ANTINEOPLASTIC AGENTS, adverse
effects/ DACTINOMYCIN, therapeutic use/
DRUG THERAPY, COMBINATION/ FEMALE/
*HODGKIN'S DISEASE, drug therapy/
HODGKIN'S DISEASE, mortality/ HUMAN/
LEUKOPENIA, chemically induced/
LYMPHOCYTE DEPLETION/ MALE/ MIDDLE
AGE/ NAUSEA, chemically induced/
NITROGEN MUSTARD COMPOUNDS,

AUTHOR SECTION

- administration & dosage/ *NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ PROCARBAZINE, administration & dosage/ *PROCARBAZINE, therapeutic use/ REMISSION/ THROMBOPENIA, chemically induced/ VINBLASTINE, therapeutic use/ VINCRIStINE, administration & dosage/ *VINCRIStINE, therapeutic use/ VOMITING, chemically induced
2536. Mudge AW, Fellows RE: Bovine pituitary pyrrolidonecarboxylate peptidase. *Endocrinology* 93:1428-34, Dec 73
ALANINE/ AMMONIUM SULFATE/ CATTLE/ CHROMATOGRAPHY, PAPER/ GEL FILTRATION/ GLUTAMATES/ HYDROGEN-ION CONCENTRATION/ PEPTIDE HYDROLASES, analysis/ *PEPTIDE HYDROLASES, isolation & purification/ *PITUITARY GLAND, enzymology/ PRECIPITATION
2537. Muelhelms GH, Kinsella RA Jr, Francis FE: Maturity of the pituitary-adrenal axis in the newborn dog. *Proc Soc Exp Biol Med* 143:1197-200, Sep 73
ADRENAL GLANDS, growth & development/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *CORTICOTROPIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ DOGS/ *HYDROCORTISONE, metabolism/ *PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND, growth & development
2538. Mueller GP, Chen HJ, Meites J: In vivo stimulation of prolactin release in the rat by synthetic TRH. *Proc Soc Exp Biol Med* 144:613-5, Nov 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, pharmacodynamics/ ESTRUS/ FEMALE/ MALE/ *PROLACTIN, blood/ RATS/ STIMULATION, CHEMICAL/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS
2539. Mulay S, Giannopoulos G, Solomon S: Corticosteroid levels in the mother and fetus of the rabbit during gestation. *Endocrinology* 93:1342-8, Dec 73
ACETYLATION/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CORTICOSTERONE, blood/ CRYSTALLIZATION/ DIALYSIS/ *FETUS, metabolism/ *HYDROCORTISONE, blood/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ TRITIUM
2540. Mulder E, Lamers-Stahlhofen GJ, Molen HJ van der: Interaction between steroids and membranes, uptake of steroids and steroid sulphates by resealed erythrocyte ghosts. *J Steroid Biochem* 4:369-79, Jul 73
ANDROSTENEDIONE, metabolism/ BINDING SITES/ CARBON RADIOISOTOPES/ CATTLE/ *CELL MEMBRANE, metabolism/ CYTOLOGICAL TECHNIQS/ DEHYDROEPIANDROSTERONE, metabolism/ DIALYSIS/ *ERYTHROCYTES, metabolism/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ IN VITRO/ PROGESTERONE, metabolism/ SERUM ALBUMIN, BOVINE, metabolism/ STANOLONE, metabolism/ *STEROIDS, metabolism/ SUCROSE, metabolism/ SULFURIC ACIDS, metabolism/ TESTOSTERONE, metabolism/ TIME FACTORS/ TRANSCORTIN, metabolism/ TRITIUM
2541. Muldowney FP, Freaney R, Spillane EA, et al: Ionised calcium levels in "normocalcaemic" hyperparathyroidism. *Ir J Med Sci* 142:223-9, Sep 73
ADENOMA, diagnosis/ ADULT/ *CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, urine/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERCALCAEMIA, diagnosis/ HYPERCALCAEMIA, etiology/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, metabolism/ KIDNEY CALCULI, etiology/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, analysis/ PARATHYROID NEOPLASMS, diagnosis
2542. Muller AF: Les examens complémentaires chez les hypertendus. *Schweiz Med Wochenschr* 103:1675-7, 24 Nov 73 (Fre)
ADRENAL GLAND NEOPLASMS, diagnosis/ AGE FACTORS/ AGED/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ *HYPERTENSION, diagnosis/ HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, radiography/ HYPOKALEMIA, complications/ MIDDLE AGE/ PHEOCHROMOCYTOMA, diagnosis/ PROGNOSIS/ UROGRAPHY
2543. Müller D, Langauer M, Rathenber R, et al: Mikrokerntest sowie Chromosomenuntersuchungen an somatischen und gonosomalen Zellen des Chinesischen Hamsters nach Cyclophosphamidgabe. *Verh Dtsch Ges Krebsforsch* 56:381-4, 1972 (Ger)
ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ CHROMOSOME ABERRATIONS, drug effects/ *CHROMOSOME ABNORMALITIES, chemically induced/ CHROMOSOME ABNORMALITIES, diagnosis/ *CYCLOPHOSPHAMIDE, adverse effects/ GENETIC TECHNIQS/ HAMSTERS/ KARYOMETRY/ SEX CHROMOSOME ABNORMALITIES, chemically induced
2544. Müller H: Vitamin D, Rachitis und Vitamin D-resistente Rachitis. *Ther Ggw* 112:1098-9 passim, Jul 73 (Ger)
CHEMISTRY/ CHOLECALCIFEROL, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ *RICKETS, prevention & control/ *RICKETS, VITAMIN D RESISTANT, drug therapy/ *VITAMIN D
2545. Müller-Jensen K: Behandlung und Prophylaxe der Keratoconjunctivitis epidemica. *Ber Dtsch Ophthalmol Ges* 71:270-3, 1972 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ DISEASE OUTBREAKS, prevention & control/ GAMMA GLOBULIN, administration & dosage/ HUMAN/ KERATOCONJUNCTIVITIS, prevention & control/ *KERATOCONJUNCTIVITIS, therapy/ STERILIZATION/ TETRACYCLINE, therapeutic use
2546. Muñoz-Rodríguez M, García de Jalón J: Efecto bociógeno del nabo: estudio experimental en ratas. *Rev Esp Fisiol* 29:21-6, Mar 73 (Spa)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, etiology/ IODINE, metabolism/ RATS/ THIOCYANATES, adverse effects/ *THYROID GLAND, metabolism/ THYROID HORMONES, biosynthesis/ *VEGETABLES
2547. Muñoz-Rodríguez M, Torrano-San Francisco F: Efecto del clofibrato sobre la función tiroidea. *Rev Esp Fisiol* 29:17-20, Mar 73 (Spa)
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, PAPER/ *CLOFIBRATE, pharmacodynamics/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ IODINE, blood/ IODINE RADIOISOTOPES/ MALE/ ORGAN WEIGHT/ PROPYLTHIOURACIL, pharmacodynamics/ PROTEIN-BOUND IODINE TEST/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROXINE, biosynthesis/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN
2548. Munro DS, Duthie HL: The management of Cushing's syndrome. *Nurs Mirror* 137:12-5, 21 Sep 73
CUSHING'S SYNDROME, therapy/ SPECIAL LIST NURSING
2549. Murad F, Weltzman R: Hormonal regulation of cyclic AMP. *Semin Drug Treat* 3:189-202, Autumn 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ CALCITONIN, physiology/ CORTICOTROPIN, physiology/

AUTHOR SECTION

- EPINEPHRINE, physiology/ GLUCAGON, physiology/ GONADOTROPINS, physiology/ HUMAN/ LIVER, enzymology/ PARATHYROID HORMONE, physiology/ RECEPTORS, ADRENERGIC/ THYROTROPIN, physiology/ THYROXINE, physiology/ VASOPRESSIN, physiology
2550. Murad TM: Electron microscopic studies of cells in pleural and peritoneal effusions. *Acta Cytol* (Baltimore) 17:401-9, Sep-Oct 73
ADENOCARCINOMA, diagnosis/ *ASCITIC FLUID, cytology/ *ASCITIC FLUID, pathology/ BREAST NEOPLASMS, diagnosis/ COMPARATIVE STUDY/ *CYTODIAGNOSIS/ EVALUATION STUDIES/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ INCLUSION BODIES, VIRAL/ MELANOMA, diagnosis/ *MICROSCOPY, ELECTRON/ NEOPLASMS, diagnosis/ *NEOPLASMS, pathology/ OVARIAN NEOPLASMS, diagnosis/ *PLEURAL EFFUSION, cytology/ PLEURAL EFFUSION, pathology/ VAGINAL SMEARS
2551. Muranyi-Kovacs I, Rudali G: Effect of impairment of thyroid functions on intracranial bone tumours in AkR mice. *Horm Res* 4:122-8, 1973
ANIMAL EXPERIMENTS/ FEMALE/ HYPERTHYROIDISM, physiopathology/ HYPOTHALAMUS, drug effects/ IODINE RADIOISOTOPES/ MALE/ MICE/ MICE, INBRED AKR/ *SKULL NEOPLASMS, physiopathology/ THIOUREA, pharmacodynamics/ THYMECTOMY/ THYROID GLAND, pathology/ *THYROID GLAND, physiopathology/ THYROID NEOPLASMS, physiopathology/ THYROXINE
2552. Murie N, Chauvel P, Falvre J, et al: Le syndrome de wermer ou hyperplasie adénomateuse polyendocrinienne familiale (deux observations anatomocliniques. *Ann Endocrinol* (Paris) 34:190-205, Mar-Apr 73 (Fre)
*ADENOMATOSIS, FAMILIAL ENDOCRINE/ ADENOMATOSIS, FAMILIAL ENDOCRINE, therapy/ ADRENAL GLANDS, surgery/ ADULT/ ANGIOGRAPHY/ BLOOD SUGAR/ DIAZOXIDE, therapeutic use/ DUODENAL ULCER, complications/ DUODENAL ULCER, surgery/ GASTRECTOMY/ GOITER, complications/ HUMAN/ HUNGER/ HYPERCALCEMIA/ HYPOGLYCEMIA, complications/ HYPOGLYCEMIA, drug therapy/ KIDNEY DISEASES, complications/ LIVER NEOPLASMS, surgery/ MALE/ MIDDLE AGE/ PANCREATECTOMY/ PANCREATIC NEOPLASMS, surgery/ SPLENECTOMY/ TUBERCULOSIS, PULMONARY, complications/ *ZOLLINGER-ELLISON SYNDROME/ ZOLLINGER-ELLISON SYNDROME, diagnosis/ ZOLLINGER-ELLISON SYNDROME, therapy
2553. Murie N, Falvre J, Menault F, et al: Devenir endocrinien des adultes hypophysectomisés à l'exclusion du diabète insipide (étude de 25 cas. *Ann Endocrinol* (Paris) 34:133-44, Mar-Apr 73 (Fre)
ACROMEGALY/ ADENOMA, CHROMOPHOBIC/ CORTICOTROPIN/ ENGLISH ABSTRACT/ FEMALE/ FSH/ HUMAN/ *HYPOPHYSECTOMY/ *HYPOPITUITARISM, etiology/ LH/ MALE/ MENSTRUATION/ METHODS/ METYRAPONE/ PITUITARY NEOPLASMS, surgery/ PREGNANCY/ PROGNOSIS/ SOMATOTROPIN/ THYROTROPIN
2554. Murie N, Menault F, Sabouraud O: Le test à la métoprone après traitement par le tétracosactide retard (synactène retard. *Ann Endocrinol* (Paris) 34:164-73, Mar-Apr 73 (Fre)
ADOLESCENCE/ ADRENAL GLANDS, drug effects/ ADULT/ AGED/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, drug effects/ MALE/
- *METYRAPONE, diagnostic use/ MIDDLE AGE/ *NERVOUS SYSTEM DISEASES, drug therapy/ PREDNISOLONE, therapeutic use/ TIME FACTORS
2555. Murphy AV: Value and toxicity of therapy for idiopathic nephrotic syndrome in the child. *Nephron* 11:163-73, 1973
ANTIBIOTICS, therapeutic use/ BLOOD PROTEIN DISORDERS, etiology/ CHILD/ CHLOROTHIAZIDE, therapeutic use/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ DIET, SALT-FREE/ DIETARY PROTEINS, therapeutic use/ ETHACRYNIC ACID, therapeutic use/ FUROSEMIDE, therapeutic use/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic use/ HYPERTENSION, RENAL, drug therapy/ METHYLDOPA, therapeutic use/ NEPHROTIC SYNDROME, complications/ *NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, therapy/ PLASMA SUBSTITUTES, therapeutic use/ REST/ SERUM ALBUMIN, metabolism/ SPIRONOLACTONE, therapeutic use
2556. Murphy HM: The osteopetrotic syndrome in the microphthalmic mutant mouse. *Calcif Tissue Res* 13:19-26, 1973
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ CITRATES, analysis/ CITRATES, blood/ HYPOCALCEMIA, complications/ HYPOCALCEMIA, veterinary/ *MICE/ MICROPHthalmOS, complications/ *MICROPHthalmOS, veterinary/ MUTATION/ OSTEOPETROSIS, blood/ OSTEOPETROSIS, complications/ OSTEOPETROSIS, enzymology/ OSTEOPETROSIS, pathology/ *OSTEOPETROSIS, veterinary/ PHOSPHATES, blood/ *RODENT DISEASES, pathology
2557. Murphy KJ: Letter: Thromboembolism and oral contraceptives. *Med J Aust* 2:343, 18 Aug 73
ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *PULMONARY EMBOLISM, chemically induced/ *THROMBOEMBOLISM, chemically induced
2558. Murray AW, Verma AK: The adenyl cyclase system and carcinogenesis: decreased responsiveness of mouse epidermis to isoproterenol after 3,4-benzpyrene treatment. *Biochem Biophys Res Commun* 54:69-75, 5 Sep 73
ACETONE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *BENZOPYRENES, pharmacodynamics/ *CARCINOGENS, pharmacodynamics/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ FEMALE/ ISOPROTERENOL, metabolism/ *ISOPROTERENOL, pharmacodynamics/ MICE/ SKIN, cytology/ SKIN, drug effects/ *SKIN, enzymology/ SKIN, metabolism/ TIME FACTORS/ TRITIUM
2559. Murray-Lyon IM: Immunosuppressive therapy for chronic liver disease. *J R Coll Physicians Lond* 8:37-44, Oct 73 (35 ref.)
ANTIBODY FORMATION/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ AUTOANTIBODIES, isolation & purification/ AUTOIMMUNE DISEASES, therapy/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, metabolism/ AZATHIOPRINE, pharmacodynamics/ CHRONIC DISEASE/ CYCLOPHOSPHAMIDE, pharmacodynamics/ HUMAN/ IMMUNITY, CELLULAR/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IMMUNOSUPPRESSIVE AGENTS, classification/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ *LIVER DISEASES, therapy/ PREDNISOLONE, metabolism/ PREDNISOLONE, pharmacodynamics/

AUTHOR SECTION

- PREDNISONE, administration & dosage/
PREDNISONE, adverse effects/ PREDNISONE,
therapeutic use/ REVIEW
560. Murthy AS, Franklin A: Histochemical evidence for the specific functioning of an intrasplenic adrenal graft. *Horm Res* 4:219-23, 1973
ADRENAL CORTEX HORMONES, metabolism/
ADRENAL GLANDS, enzymology/ *ADRENAL
GLANDS, physiology/ ADRENAL GLANDS,
transplantation/ ADRENALECTOMY/ ANIMAL
EXPERIMENTS/ CORTICOSTERONE, analysis/
DESOXYCORTICOSTERONE, analysis/
GLUCOSEPHOSPHATE DEHYDROGENASE,
analysis/ HISTOCYTOCHEMISTRY/
HYDROXYSTEROID DEHYDROGENASES,
analysis/ HYPOPHYSECTOMY/ PITUITARY
GLAND, physiology/ RATS/ *REGENERATION/
*SPLEEN, physiology/ TRANSPLANTATION,
AUTOLOGOUS
561. Musil A, Friedrich E: Toxoplasmosis und generalisierte Mykose nach behandelter chronischer Myelose. *Zentralbl Allg Pathol* 117:110-7, 1973 (Ger)
ADULT/ ANTIBIOTICS, therapeutic use/
ANTINEOPLASTIC AGENTS, therapeutic use/
*ASPERGILLOSIS, complications/
ASPERGILLOSIS, pathology/ ASPERGILLUS
FUMIGATUS/ AUTOPSY/ CANDIDA
ALBICANS/ CASE REPORT/ ENGLISH
ABSTRACT/ GLUCOCORTICOIDS, therapeutic
use/ HUMAN/ LEUKEMIA, MYELOBLASTIC,
complications/ LEUKEMIA, MYELOBLASTIC,
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complications/ LEUKEMIA, MYELOCYTIC,
drug therapy/ LEUKEMIA, MYELOCYTIC,
pathology/ MALE/ *MONILIASIS,
complications/ *TOXOPLASMOSIS,
complications/ TOXOPLASMOSIS, pathology
562. Myers WG, Lamb JF, James RW, et al: ¹¹C distribution in dogs visualized in situ after intravenous ¹¹C-cyanide in high specific activity. *Nucl Med (Stuttg)* 12:154-62, 31 Aug 73
ANIMAL EXPERIMENTS/ *CARBON
RADIOISOTOPES, metabolism/ CYANIDES,
metabolism/ *DOGS, metabolism/ KIDNEY,
metabolism/ MALE/ MYOCARDIUM,
metabolism/ PAROTID GLAND, metabolism/
STOMACH, metabolism/ TESTIS, metabolism
563. Myerson BJ, Lindström L, Nordström EB, et al: Sexual motivation in the female rat after testosterone treatment. *Physiol Behav* 11:421-8, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ELECTROSHOCK/ ESTRADIOL,
pharmacodynamics/ ESTRUS, drug effects/
FEMALE/ INJECTIONS, SUBCUTANEOUS/
MALE/ *MOTIVATION, drug effects/
PROGESTERONE, pharmacodynamics/ RATS/
*SEX BEHAVIOR, ANIMAL, drug effects/
SEX FACTORS/ TESTOSTERONE,
administration & dosage/ *TESTOSTERONE,
pharmacodynamics/ TIME FACTORS
564. Myles WS, Ducker AJ: The role of the sympathetic nervous system during exposure to altitude in rats. *Int J Biometeorol* 17:51-8, Mar 73
ACCLIMATIZATION/ *ALTITUDE/ ANIMAL
EXPERIMENTS/ BODY WEIGHT/
EPINEPHRINE, urine/ GUANETHIDINE,
pharmacodynamics/
11-HYDROXYCORTICOSTEROIDS, urine/
MALE/ NOREPINEPHRINE, urine/ RATS/
*SYMPATHETIC NERVOUS SYSTEM,
physiology
- N
565. Nadakal AM, Mohandas A, John KO, et al: Resistance potential of certain breeds of domestic fowl exposed to Raillietina tetragona infections. 8. Effect of thiouracil on R. tetragona infections. *Poult Sci* 52:1068-74, May 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ ANIMAL FEED/ *CHICKENS/
HEMOGLOBIN, analysis/ HYPERPLASIA/
HYPERTROPHY/ HYPOTHYROIDISM,
chemically induced/ HYPOTHYROIDISM,
pathology/ HYPOTHYROIDISM, veterinary/
LEUKOCYTE COUNT/ LIPIDS, blood/
*POULTRY DISEASES/ POULTRY DISEASES,
chemically induced/ POULTRY DISEASES,
pathology/ *RAILLIETINIASIS, veterinary/
THIOURACIL, administration & dosage/
*THIOURACIL, pharmacodynamics/ THYROID
GLAND, pathology
2566. Naftalin NJ, Phear WP, Goldberg AH: Isometric contractions of isolated rat uterine muscle: relation to estrous cycle and pregnancy. *Proc Soc Exp Biol Med* 143:884-8, Sep 73
ANALYSIS OF VARIANCE/ ANIMAL
EXPERIMENTS/ ELECTRIC STIMULATION/
ESTROGENS, physiology/ *ESTRUS/ FEMALE/
IN VITRO/ *MUSCLE CONTRACTION/
MUSCLE TONUS/ *PREGNANCY/
PROGESTERONE, physiology/ RATS/ TIME
FACTORS/ *UTERUS, physiology
2567. Nagai Y: Vertebrate collagenase: further characterization and the significance of its latent form in vivo. *Mol Cell Biochem* 1:137-45, 27 Jun 73 (44 ref.)
ALPHA GLOBULIN/ ANIMAL EXPERIMENTS/
*CLOSTRIDIOPEPTIDASE A/
CLOSTRIDIOPEPTIDASE A, analysis/
CLOSTRIDIOPEPTIDASE A, antagonists &
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isolation & purification/ ENZYME
ACTIVATION/ FROGS/ *GINGIVA,
enzymology/ HUMAN/ MICE/ MOLECULAR
WEIGHT/ PROTEIN BINDING/ RABBITS/
REVIEW/ *RHEUMATISM, enzymology/
*SYNOVIAL FLUID, enzymology/
THIOCYANATES/ TISSUE CULTURE
2568. Nagatomi K, Osawa Y, Kirdani RY, et al: Studies on phenolic steroids in human subjects. XVII. The kidney and fate of 15alpha-hydroxysteroids. *J Clin Endocrinol Metab* 37:887-900, Dec 73
CARBON RADIOISOTOPES/
COUNTERCURRENT DISTRIBUTION/
*ESTRADIOL, metabolism/ *ESTRIOL,
metabolism/ ESTRIOL, urine/ FEMALE/
GLUCOSAMINE, urine/ GLUCOSIDASE/
GLUCURONATES, urine/ GLUCURONIDASE/
HUMAN/ HYDROLYSIS/
HYDROXYSTERIODS, metabolism/
HYDROXYSTERIODS, urine/ *KIDNEY,
physiology/ PREGNANCY/ SULFATASES/
TIME FACTORS/ TRITIUM
2569. Nagaya H: Differential suppressive effects of antiserum to thymus ribosomal fraction on mitogen responsiveness of thymus cells. *Cell Immunol* 9:324-7, Nov 73
ANIMAL EXPERIMENTS/ CONCANAVALLIN
A/ CORTISONE, pharmacodynamics/ FEMALE/
*IMMUNE SERUMS, pharmacodynamics/
LYMPHOCYTE DEPLETION/ *LYMPHOCYTE
TRANSFORMATION, drug effects/
*LYMPHOCYTES, immunology/ MICE/ MICE,
INBRED AKR/ *MITOGENS/ PLANT
AGGLUTININS/ RABBITS, immunology/
*RIBOSOMES, immunology/ THYMIDINE,
metabolism/ THYMUS GLAND, cytology/
*THYMUS GLAND, immunology/ TRITIUM
2570. Nagel GA, Köberle S, Schmid I, et al: Notfallsituationen in der Onkologie. *Schweiz Med Wochenschr* 103:1259-62, 8 Sep 73 (Ger)
ADULT/ AGED/ ALLOPURINOL, therapeutic
use/ BREAST NEOPLASMS, drug therapy/
CARCINOMA, drug therapy/ *EMERGENCIES/
ENGLISH ABSTRACT/ ESTRADIOL, adverse
effects/ ESTRADIOL, therapeutic use/
FEMALE/ HUMAN/ HYPERCALCEMIA,
chemically induced/ HYPERCALCEMIA,
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therapy/ KIDNEY FAILURE, ACUTE,
etiology/ KIDNEY FAILURE, ACUTE,
prevention & control/ MALE/ NEOPLASM
METASTASIS/ *NEOPLASMS, complications/
URIC ACID, blood
2571. Nagel J: Le tissu hématopoïétique dans le foie foetal de rat en fin de gestation. IV. Conséquences de son évolution sur la population érythrocytaire circulante.

AUTHOR SECTION

- Arch Anat Microsc Morphol Exp 61:301-12, Jul-Sep 72
(Fre)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ ENGLISH ABSTRACT/
*ERYTHROCYTES/ FEMALE/
*HEMATOPOIETIC SYSTEM, growth &
development/ HYPOPHYSECTOMY/ *LIVER,
embryology/ PREGNANCY/ RATS
2572. Nagel J, Jacquot R: Le tissu hématopoïétique dans le
foie foetal de rat en fin de gestation. V. Niveau
d'action des corticostéroïdes.
Arch Anat Microsc Morphol Exp 61:313-24, Jul-Sep 72
(Fre)
ADRENAL CORTEX HORMONES,
pharmacodynamics/ *ADRENAL CORTEX
HORMONES, physiology/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
ENGLISH ABSTRACT/ ERYTHROCYTES/
FEMALE/ FETUS/ *HEMATOPOIETIC
SYSTEM, drug effects/ *LIVER, drug effects/
PREGNANCY/ PREGNANCY, ANIMAL/ RATS
2573. Nagy F: Tritiated leucine incorporation by Sertoli cells
in scrotal and cryptorchid rat testes.
Fertil Steril 24:805-10, Oct 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ CELL NUCLEUS,
metabolism/ *CRYPTORCHISM, metabolism/
CRYPTORCHISM, pathology/ DISEASE
MODELS, ANIMAL/ HISTOCYTOCHEMISTRY/
*LEUCINE, metabolism/ MALE/ MONKEYS/
*SERTOLI CELLS, metabolism/
SPERMATOGENESIS/ *TESTIS, metabolism/
TESTIS, pathology/ TRITIUM
2574. Nagy J, Decsi L: Location of the site of the
tranquillizing action of diazepam by intralimbic
application. Neuropharmacology 12:757-68, Aug 73
AMYGDALOID BODY, drug effects/ ANIMAL
EXPERIMENTS/ BEHAVIOR, ANIMAL, drug
effects/ CARBACHOL, pharmacodynamics/
CATS/ *DIAZEPAM, pharmacodynamics/
ELECTROENCEPHALOGRAPHY/
HYPOTHALAMUS, drug effects/ INJECTIONS/
*LIMBIC SYSTEM, drug effects/
STEREOTAXIC TECHNIQUES/ TIME FACTORS/
*TRANQUILIZING AGENTS, pharmacodynamics
2575. Naldoo PM, Matisonn RE, Pimstone BL: Hydatidiform
mole with overt hyperthyroidism. Case report.
S Afr Med J 47:1957-8, 20 Oct 73
ADULT/ CASE REPORT/ FEMALE/ HUMAN/
*HYDATIDIFORM MOLE, complications/
HYDATIDIFORM MOLE, surgery/
*HYPERTHYROIDISM, etiology/
HYPERTHYROIDISM, therapy/ PREGNANCY/
PROPRANOLOL, therapeutic use
2576. Nair X, Dyer DC: Effect of metabolic inhibitors and
oxygen on responses of human umbilical arteries.
Am J Physiol 225:1118-22, Nov 73
*CYANIDES, pharmacodynamics/
*DINITROPHENOLS, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
HUMAN/ IN VITRO/ MUSCLE
CONTRACTION, drug effects/ MUSCLE,
SMOOTH, drug effects/ *OXYGEN,
pharmacodynamics/ PARTIAL PRESSURE/
PREGNANCY/ *SEROTONIN,
pharmacodynamics/ *UMBILICAL ARTERIES,
drug effects/ *VASOMOTOR SYSTEM, drug
effects
2577. Naito K, Kuriyama K: Effect of morphine
administration on adenylyl cyclase and 3',5'-cyclic
nucleotide phosphodiesterase activities in the brain.
Jap J Pharmacol 23:274-6, Apr 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CEREBRAL CORTEX, drug
effects/ *CEREBRAL CORTEX, enzymology/
ENZYME ACTIVATION/ MALE/ MICE/
*MORPHINE, pharmacodynamics/
*PHOSPHODIESTERASES, metabolism
2578. Nakahara M: Plasma hippuryl-L-lysine hydrolase in
tourniquet shock. Experientia 29:999-1000, 15 Aug 73
ADRENAL CORTEX HORMONES,
pharmacodynamics/ ANIMAL EXPERIMENTS/
*CARBOXYPEPTIDASES, blood/ DOGS/
EPINEPHRINE, pharmacodynamics/
HIPPURATES/ HISTAMINE,
pharmacodynamics/ HYDROCORTISONE,
pharmacodynamics/ ISCHEMIA, blood/
*ISCHEMIA, enzymology/ LYSINE/
NOREPINEPHRINE, pharmacodynamics/
SEROTONIN, pharmacodynamics/ SHOCK,
blood/ *SHOCK, enzymology/ THIGH, blood
supply/ TOURNIQUETS
2579. Nakai Y, Imura H, Yoshimi T, et al: Adrenergic control
mechanism for ACTH secretion in man.
Acta Endocrinol (Kbh) 74:263-70, Oct 73
ADRENERGIC ALPHA RECEPTOR AGONISTS,
pharmacodynamics/ ADRENERGIC ALPHA
RECEPTOR BLOCKADERS, pharmacodynamics/
ADULT/ BLOOD SUGAR, analysis/
CORTICOTROPIN, blood/ *CORTICOTROPIN,
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HUMAN/ HYDROCORTISONE, blood/ MALE/
*METHOXAMINE, pharmacodynamics/
*PHENTOLAMINE, pharmacodynamics/
*PROPRANOLOL, pharmacodynamics/
RADIOIMMUNOASSAY/ STIMULATION,
CHEMICAL/ TIME FACTORS
2580. Nakajo S, Zakaria AH, Imal K: Effect of the local
administration of proteolytic enzymes on the rupture
of the ovarian follicle in the domestic fowl, Gallus
domesticus. J Reprod Fertil 34:235-40, Aug 73
ANIMAL EXPERIMENTS/ *CHICKENS,
physiology/ CLOSTRIDIOPEPTIDASE A,
pharmacodynamics/ FEMALE/ *GAAFIAN
FOLLICLE, drug effects/ HYALURONIDASE,
pharmacodynamics/ INJECTIONS/
MURAMIDASE, pharmacodynamics/
OVULATION/ PEPTIDE HYDROLASES,
administration & dosage/ *PEPTIDE
HYDROLASES, pharmacodynamics/ PEPTIDE
HYDROLASES, physiology/ PRONASE,
pharmacodynamics
2581. Nakamura J, Otani Y, Okawa T, et al: Massive adrenal
hemorrhage in the newborn: 2 surviving cases by
surgical treatment. J Urol 110:487-9, Oct 73
ADRENAL GLAND DISEASES, pathology/
ADRENAL GLAND DISEASES, radiography/
*ADRENAL GLAND DISEASES, surgery/
DIAGNOSIS, DIFFERENTIAL/ EXCHANGE
TRANSFUSION/ FEMALE/ HEMORRHAGE,
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*HEMORRHAGE, surgery/ HUMAN/ INFANT,
NEWBORN/ *INFANT, NEWBORN, DISEASES,
surgery/ KIDNEY NEOPLASMS, radiography/
NEPHROBLASTOMA, radiography/ RUPTURE,
SPONTANEOUS
2582. Nakamura M, Tanaka H, Hattori Y, et al: Biological
effects of autooxidized safflower oils.
Lipids 8:566-72, Oct 73
ADRENAL GLANDS, drug effects/ AGING/
ANIMAL EXPERIMENTS/ BODY WEIGHT,
drug effects/ CARBON RADIOISOTOPES/
CHOLESTEROL, metabolism/ COMPARATIVE
STUDY/ *DIETARY FATS/ *FATTY ACIDS,
ESSENTIAL, pharmacodynamics/ HEART, drug
effects/ KIDNEY, drug effects/ LIVER,
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metabolism/ MALE/ MICROSCOPY,
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effects/ TESTIS, drug effects/ THYMUS
GLAND, drug effects/ THYROID GLAND,
drug effects/ TIME FACTORS/
TRIGLYCERIDES, metabolism
2583. Nakano J, Francon AV: Metabolic degradation of
prostaglandin E1 in the lung and kidney of rats in
endotoxin shock.
Proc Soc Exp Biol Med 144:506-8, Nov 73
ANIMAL EXPERIMENTS/ *KIDNEY,
metabolism/ KINETICS/ *LUNG, metabolism/
MALE/ *PROTAGLANDINS, metabolism/
RATS/ *SHOCK, ENDOTOXIC, metabolism/
TRITIUM
2584. Nakano R, Mizuno T, Kotsuji F, et al: "Triggering" of
ovulation after infusion of synthetic luteinizing

AUTHOR SECTION

- hormone releasing factor (LRF).
Acta Obstet Gynecol Scand 52:269-72, 1973
ADULT/ BODY TEMPERATURE/ FEMALE/
FSH, blood/ HUMAN/ INJECTIONS,
INTRAVENOUS/ INJECTIONS,
SUBCUTANEOUS/ *INSEMINATION,
ARTIFICIAL/ LH, blood/ LH-FSH
RELEASING HORMONE, administration &
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pharmacodynamics/ *OVULATION,
drug effects/ PREGNANCY/ PREGNANEDIOL,
urine/ RADIOIMMUNOASSAY/ STIMULATION,
CHEMICAL/ TIME FACTORS
585. Nakano Y, Shinbo S, Nagayama Y, et al: [Serum and urinary catecholamines and its metabolites-interpretation of the test results]
Jap J Clin Med 31:1645-56, 1973 (92 ref.) (Jap)
ADOLESCENCE/ ADULT/ AGED/
CARDIOVASCULAR DISEASES, metabolism/
*CATECHOLAMINES, analysis/
CATECHOLAMINES, blood/
CATECHOLAMINES, metabolism/
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KIDNEY DISEASES, metabolism/ MALE/
MIDDLE AGE/ NERVOUS SYSTEM DISEASES,
metabolism/ NEUROBLASTOMA, metabolism/
PHEOCHROMOCYTOMA, metabolism/ REVIEW
586. Nakayama I, Nickerson PA: Ultrastructure of a transplantable, mammosomatotropic pituitary tumor (MtT-W10). Acta Pathol Jap 23:237-48, May 73
ANIMAL EXPERIMENTS/ *CARCINOMA,
pathology/ CARCINOMA, physiopathology/
ENDOPLASMIC RETICULUM/ FEMALE/
GOLGI APPARATUS/ MICROSCOPY,
ELECTRON/ MITOSIS/ NEOPLASM
TRANSPLANTATION/ NEOPLASMS,
EXPERIMENTAL/ *PITUITARY NEOPLASMS,
pathology/ PITUITARY NEOPLASMS,
physiopathology/ *PROLACTIN, secretion/
RATS/ *SOMATOTROPIN, secretion
587. Namiki H, Gorbman A: Differentiated RNA transcription in brains of adolescent female rats following treatment with testosterone soon after birth. Comp Biochem Physiol [B] 46:199-205, 15 Sep 73
AGING/ ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ BRAIN/ BRAIN, cytology/
BRAIN, growth & development/ *BRAIN,
metabolism/ CHROMATIN, metabolism/
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SPECIFICITY/ PSEUDOMONAS/ RATS/ *RNA,
biosynthesis/ *TESTOSTERONE,
pharmacodynamics/ TIME FACTORS/
*TRANSCRIPTION, GENETIC, drug effects/
TRITIUM/ URIDINE
588. Nandi BK, Majumder AK, Subramanian N, et al: Effects of large vitamin C in guinea pigs and rats. J Nutr 103:1688-95, Dec 73
ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ ASCORBIC ACID/ ASCORBIC
ACID, administration & dosage/ ASCORBIC
ACID, antagonists & inhibitors/ ASCORBIC
ACID, metabolism/ *ASCORBIC ACID,
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*BODY WEIGHT, drug effects/ CASEIN,
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pharmacodynamics/ MALE/ NUTRITIONAL
REQUIREMENTS/ *PREGNANCY,
drug effects/ RATS/ SPECIES SPECIFICITY/
VITAMINS, pharmacodynamics/ WHEAT
589. Naqvi SH, Nicholas HJ: Conversion of sodium lithocholate-24-14C to other products by guinea pig brain. Lipids 8:651-3, Nov 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ BILE ACIDS AND
SALTS, biosynthesis/ *BILE ACIDS AND
SALTS, metabolism/ BRAIN/ *BRAIN,
metabolism/ CARBON RADIOISOTOPES/
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PIGS/ KETOSTEROIDS, biosynthesis/
LITHOCHOLIC ACID,
administration & dosage/ LITHOCHOLIC
ACID, metabolism/ SODIUM, metabolism
2590. Naseem SM, Hollander VP: Insulin reversal of growth inhibition of plasma cell tumor by prostaglandin or adenosine 3',5'-monophosphate.
Cancer Res 33:2909-12, Nov 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/ *CELL
DIVISION, drug effects/ CELLS, CULTURED/
*INSULIN, pharmacodynamics/ MICE/
*PLASMACYTOMA/ *PROSTAGLANDINS,
pharmacodynamics/ TIME FACTORS
2591. Nasello AG, Depiante R, Tannhauser M, et al: Effect of morphine on the RNA and ATP concentration of brain structures of the rat. Pharmacology 10:56-9, 1973
*ADENOSINE TRIPHOSPHATE, analysis/
ANIMAL EXPERIMENTS/ *BRAIN
CHEMISTRY, drug effects/ CEREBRAL
CORTEX, analysis/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ HIPPOCAMPUS,
analysis/ HYPOTHALAMUS, analysis/ MALE/
MORPHINE, administration & dosage/
*MORPHINE, pharmacodynamics/ RATS/
RNA, analysis/ THALAMUS, analysis/ TIME
FACTORS
2592. Nath J, Rebhun LI: Studies on the uptake and metabolism of adenosine 3':5'-cyclic monophosphate and N6,02-dibutyl 3':5'-cyclic adenosine monophosphate in sea urchin eggs.
Exp Cell Res 82:73-8, Nov 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ BUTYRATES, metabolism/
CELL DIVISION, drug effects/
CHROMATOGRAPHY, ION EXCHANGE/
FEMALE/ FERTILIZATION/ OVUM, growth &
development/ *OVUM, metabolism/ SEA
URCHINS, growth & development/ *SEA
URCHINS, metabolism/ SEAWATER/
TRITIUM/ ULTRAVIOLET RAYS
2593. Nathanielsz PW, Comline RS, Silver M, et al: Thyroid function in the foetal lamb during the last third of gestation. J Endocrinol 58:535-46, Sep 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT, ACTIVE/ BODY WEIGHT/
BRAIN, metabolism/ FEMALE/ *FETUS,
physiology/ GESTATIONAL AGE/
INTESTINES, metabolism/ IODIDES,
metabolism/ IODINE ISOTOPES/ KIDNEY,
metabolism/ LIVER, metabolism/ LUNG,
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ORGAN WEIGHT/ PITUITARY GLAND,
metabolism/ PLACENTA, metabolism/
PREGNANCY/ *SHEEP, physiology/ THYROID
GLAND, embryology/ *THYROID GLAND,
physiology/ THYROXINE, blood
2594. Nathanielsz PW, Comline RS, Silver M: Letter: Uterine activity following intravenous administration of oxytocin to foetal sheep. Nature 243:471-2, 22 Jun 73
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ CATHETERIZATION/
ESTROGENS, blood/ FEMALE/ *FETUS/
GESTATIONAL AGE/ HYDROCORTISONE,
blood/ IMMUNOASSAY/ *MATERNAL-FETAL
EXCHANGE/ *OXYTOCIN, pharmacodynamics/
PREGNANCY/ PRESSURE/ PROGESTERONE,
blood/ *SHEEP, physiology/ STIMULATION,
CHEMICAL/ TWINS/ *UTERUS, drug effects
2595. Nathanielsz PW, Silver M, Comline RS: Plasma triiodothyronine concentration in the foetal and newborn lamb. J Endocrinol 58:683-4, Sep 73
ANIMAL EXPERIMENTS/ *ANIMALS,
NEWBORN, metabolism/ *FETUS, metabolism/
RADIOIMMUNOASSAY/ *SHEEP, metabolism/
THYROXINE, blood/ TIME FACTORS/
*TRIIODOTHYRONINE, blood
2596. Nathenas J, Dexter J, Katzman R: The application of ninhydrin (5HT) reaction to the spectrophotofluorometric assay of plasma serotonin. Biochem Med 8:259-67, Oct 73

AUTHOR SECTION

- COMPARATIVE STUDY/ HUMAN/ *INDENES/
INDICATORS AND REAGENTS/ METHODS/
PRECIPITATION/ *SEROTONIN, blood/
SPECTROMETRY, FLUORESCENCE/
SULFATES/ ZINC
2597. Naylor WG: Effect of inotropic agents on canine
traheal muscle rendered highly permeable to
calcium. *Am J Physiol* 225:918-24, Oct 73
*ALKALOIDS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *CAFFEINE,
pharmacodynamics/ *CALCIUM, metabolism/
*CELL MEMBRANE PERMEABILITY/
DEPRESSION, CHEMICAL/ DOGS/ EDTA,
pharmacodynamics/ HEART VENTRICLE, drug
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drug effects/ *MUSCLE, SMOOTH, drug
effects/ *MYOCARDIAL DEPRESSIONS,
pharmacodynamics/ *OUABAIN,
pharmacodynamics/ *PROPRANOLOL,
pharmacodynamics/ STIMULATION,
CHEMICAL
2598. Nazarov VG: Krovoizlilanla v lachnik pri holezni
Werl'gofa. *Vrach Delo* 8:63, Jun 73 (Rus)
ADULT/ CASE REPORT/ FEMALE/
*HEMORRHAGE, etiology/ HUMAN/
*OVARIAN DISEASES, etiology/ *PURPURA,
THROMBOPENIC, complications/ SYNDROME
2599. Neathery MW, Miller WP, Blackmon DM, et al:
Absorption and tissue zinc content in lactating dairy
cows as affected by low dietary zinc.
J Anim Sci 37:848-52, Sep 73
ABOMASUM, analysis/ ADMINISTRATION,
ORAL/ ANIMAL EXPERIMENTS/ ANIMAL
FEED/ *CATTLE, metabolism/ DIET/ FECES,
analysis/ FEMALE/ KIDNEY, analysis/
*LACTATION/ LIVER, analysis/ MILK,
analysis/ MUSCLE, SMOOTH, analysis/
OXIDES, administration & dosage/
PREGNANCY/ RIBS, analysis/ RUMEN,
analysis/ SPLEEN, analysis/ ZINC,
administration & dosage/ ZINC, analysis/
ZINC, blood/ *ZINC, metabolism
2600. Necheles TF: Studies on the control of hemoglobin
synthesis: a model of erythroid differentiation based
upon the in vitro effect of erythropoietin and 5 beta-H
steroids. *Haematol Bluttransfus* 10:53-9, 1972
BONE MARROW CELLS, metabolism/ CELL
DIFFERENTIATION/ *ERYTHROCYTES,
metabolism/ *ERYTHROPOIETIN,
pharmacodynamics/ *ETIOCHOLANOLONE,
pharmacodynamics/ GLOBIN, metabolism/
GLYCINE, metabolism/ HEME, metabolism/
*HEMOGLOBIN, biosynthesis/ HUMAN/
TRITIUM
2601. Needleman P, Marshall GR, Rivier J: Angiotensin II.
Synthesis and biological activity of
6-(1-methylhistidine) and 6-(3-methylhistidine)
analogs. *J Med Chem* 16:968-70, Sep 73
*ANGIOTENSIN II, chem synthesis/
ANGIOTENSIN II, pharmacodynamics/
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CHICKENS/ FEMALE/ GASTRIC
MUCOSA, secretion/ *HISTIDINE, chem
synthesis/ HISTIDINE, pharmacodynamics/ IN
VITRO/ KIDNEY, secretion/ MUSCLE
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SMOOTH, drug effects/ *OXYTOCICS, chem
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PEPTIDES, chem synthesis/ PEPTIDES,
pharmacodynamics/ PROSTAGLANDINS,
secretion/ RABBITS/ RATS/ RECTUM, drug
effects/ STOMACH, drug effects/ UTERUS,
drug effects
2602. Needleman P, Marshall GR, Douglas JR Jr:
Prostaglandin release from vasculature by
angiotensin II: dissociation from lipolysis.
Eur J Pharmacol 23:316-9, Sep 73
ADIPOSE TISSUE, drug effects/ ADIPOSE
TISSUE, metabolism/ ANGIOTENSIN II,
antagonists & inhibitors/ *ANGIOTENSIN II,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BLOOD PRESSURE, drug effects/
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EPINEPHRINE, pharmacodynamics/
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PERFUSION/ *PROSTAGLANDINS,
metabolism/ RABBITS/ RATS/ SPLEEN, drug
effects/ SPLEEN, metabolism/
VASOCONSTRICTOR AGENTS,
pharmacodynamics
2603. Neefe LI, Pinilla O, Garagusi VF, et al: Disseminated
strongyloidiasis with cerebral involvement. A
complication of corticosteroid therapy.
Am J Med 55:832-8, Dec 73
ADRENAL CORTEX HORMONES, adverse
effects/ ADULT/ *CENTRAL NERVOUS
SYSTEM DISEASES, etiology/ CENTRAL
NERVOUS SYSTEM DISEASES, pathology/
FEMALE/ GLOMERULONEPHRITIS, drug
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VISCERAL, immunology/ PARALYTIC ILEUS,
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STRONGYLOIDES, isolation & purification/
*STRONGYLOIDIASIS, etiology/
STRONGYLOIDIASIS, immunology/
STRONGYLOIDIASIS, pathology
2604. Neeman M, Osawa Y, Mukai T: Regiospecific syntheses
of modified steroid hormones. V. 6 Beta-fluoro-7
alpha-hydroxy-17 beta-oestradiol, 7 alpha-fluoro-6
alpha-hydroxy-17 beta-oestradiol, and 7
alpha-fluoro-17 beta-oestradiol.
J Chem Soc (Perkin I) 14:1462-4, 1973
*ESTRADIOL, chem synthesis/
HYDROXYLATION/ HYDROXYSTERIODS,
chem synthesis/ INDICATORS AND
REAGENTS/ METHODS/ STEREOISOMERS/
*STERIODS, FLUORINATED, chem synthesis/
STRUCTURE-ACTIVITY RELATIONSHIP
2605. Neff TA, Hudgel DW: Millary tuberculosis in a renal
transplant recipient.
Am Rev Respir Dis 108:677-8, Sep 73
ADULT/ AZATHIOPRINE, therapeutic use/
DRUG RESISTANCE, MICROBIAL/ HUMAN/
IMMUNOSUPPRESSION/ ISONIAZID,
administration & dosage/ ISONIAZID,
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MYCOBACTERIUM TUBERCULOSIS, drug
effects/ PREDNISONE, therapeutic use/
TRANSPLANTATION, HOMOLOGOUS/
*TUBERCULOSIS, MILIARY, complications/
TUBERCULOSIS, MILIARY, drug therapy
2606. Nell BW, Wright KA: Spermatogenesis in the
hologonic testis of the trichuroid nematode, *Capillaria
bepatica* (bancroft, 1893).
J Ultrastruct Res 44:210-34, Aug 73
ANIMAL EXPERIMENTS/ CELL DIVISION/
CELL MEMBRANE/ CELL NUCLEUS/
CYTOPLASM/ ENDOPLASMIC RETICULUM/
GOLGI APPARATUS/ MALE/ MEIOSIS/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
PSEUDOPODIA/ *SPERMATOGENESIS/
TESTIS, cytology/ *TESTIS, physiology/
*TRICHUROIDEA, physiology
2607. Nelson JH: Selecting the optimum oral contraceptive
J Reprod Med 11:135-41, Oct 73
ACNE, chemically induced/ BLOOD
COAGULATION DISORDERS, chemically
induced/ BRAIN EDEMA, chemically induced/
BREAST, drug effects/ CAPILLARIES, drug
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HYPERTENSION, chemically induced/ LIPIDS,
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MIGRAINE, chemically induced/ MONILIASIS,
etiology/ NAUSEA, chemically induced/
PROGESTATIONAL HORMONES, adverse
effects/ TRIIODOTHYRONINE, metabolism/
TRYPTOPHAN, metabolism

AUTHOR SECTION

8. Nelson LW, Welkel JH Jr, Reno FE: Mammary nodules in dogs during four years' treatment with megestrol acetate or chlormadinone acetate.
J Natl Cancer Inst 51:1303-11, Oct 73
*ADENOCARCINOMA, chemically induced/
ADENOCARCINOMA, pathology/ ANIMAL
EXPERIMENTS/ CHLORMADINONE,
administration & dosage/ *CHLORMADINONE,
toxicity/ *CONTRACEPTIVES, ORAL, toxicity/
DOGS/ FEMALE/ HYPERPLASIA, chemically
induced/ HYPERPLASIA, pathology/
*MAMMAE, drug effects/ *MAMMARY
NEOPLASMS, EXPERIMENTAL, chemically
induced/ MAMMARY NEOPLASMS,
EXPERIMENTAL, pathology/ MEGESTROL,
administration & dosage/ *MEGESTROL,
toxicity
9. Nelson RA: Winter sleep in the black bear. A
physiologic and metabolic marvel.
Mayo Clin Proc 48:733-7, Oct 73
ADIPOSE TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ BODY TEMPERATURE/
BODY WEIGHT/ *CARNIVORA, physiology/
FEMALE/ HEART RATE/ HEMODIALYSIS/
*HIBERNATION/ HUMAN/ LACTATION/
LACTOSE, analysis/ LEUKOPENIA, veterinary/
LIPIDS, analysis/ LIPIDS, metabolism/ MILK,
analysis/ MILK PROTEINS, analysis/
NUTRITIONAL REQUIREMENTS/
PREGNANCY/ PROTEINS, metabolism/
SEASONS/ SPACE FLIGHT/ THYROID
HORMONES, physiology/ WATER, metabolism/
WATER-ELECTROLYTE BALANCE
10. Nelson RF: BC-105-a new prophylactic agent for
migraine-four years' experience in seventy-five
patients. Headache 13:96-103, Oct 73
ADULT/ *ANTIHEMISTAMINICS, therapeutic use/
BENZOCYCLOHEPTENES, therapeutic use/
FEMALE/ HUMAN/ MALE/ *MIGRAINE,
prevention & control/ PIPERIDINES,
therapeutic use/ SEROTONIN, antagonists &
inhibitors/ *THIOPHENES, therapeutic use
- Németh M, Tényi I, Kiss T, et al: A plasma renin
activity-asymptomatic hyperaldosteronismushan.
Orv Hetil 114:2469-72, 14 Oct 73 (Hun)
ADULT/ FEMALE/ HUMAN/
*HYPERALDOSTERONISM, blood/
HYPERTENSION, blood/ MALE/ MIDDLE
AGE/ *RENIN, blood
12. Németh S, Vigaš M: Rate of disappearance of plasma
corticosterone in traumatized rats with special
respect to the effect of adaptation.
Endocrinol Exp (Bratisl) 7:171-8, Sep 73
*ADAPTATION, PHYSIOLOGICAL/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*CORTICOSTERONE, blood/
CORTICOSTERONE, metabolism/ MALE/
RATS/ STRESS/ TIME FACTORS
13. Nemetschek-Gansler H: Hyperplasie und Metaplasie
des Endometrium unter dem Einfluss der
Ovarialhormone.
Verh Dtsch Ges Kreislau fforsch 56:526-9, 1972 (Ger)
ANIMAL EXPERIMENTS/ *ENDOMETRIAL
HYPERPLASIA, chemically induced/
ENDOMETRIUM, drug effects/
ENDOMETRIUM, pathology/ ENGLISH
ABSTRACT/ EOSINOPHILS/ *ESTROGENS,
adverse effects/ FEMALE/ RATS
14. Neradilová M, Hrubá F, Nováková V, et al:
Investigations of the relationship between thyroid
function and alpha-tocopherol concentration of serum
and in some organs of the rat.
Int J Vitam Nutr Res 43:283-90, 1973
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CARBIMAZOLE/ HEART,
anatomy & histology/ HYPERTHYROIDISM,
blood/ HYPERTHYROIDISM, chemically
induced/ *HYPERTHYROIDISM, metabolism/
HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, chemically induced/
*HYPOTHYROIDISM, metabolism/ LIVER,
anatomy & histology/ LIVER, metabolism/
MALE/ MUSCLES, metabolism/
MYOCARDIUM, metabolism/ NUTRITIONAL
REQUIREMENTS/ ORGAN WEIGHT/ RATS/
THYROID GLAND, physiology/ THYROXINE/
TIME FACTORS/ VITAMIN E/ VITAMIN E,
blood/ *VITAMIN E, metabolism
2615. Neri P, Arezzini C, Botti R, et al: Modification of the
tryptophanyl residue and its effects on the
immunological and histological activity of human
chorionic somatomammotropin.
Blochim Biophys Acta 322:88-94, 21 Sep 73
ANIMAL EXPERIMENTS/ ANTIGENIC
DETERMINANTS/ BIOLOGICAL ASSAY/
CHEMISTRY/ CROP, AVIAN, drug effects/
CROSS REACTIONS/ GEL FILTRATION/
HUMAN/ HYPOPHYSECTOMY/ PIGEONS/
PITUITARY GLAND, physiology/
*PLACENTAL LACTOGEN, pharmacodynamics/
PROTEIN BINDING/ RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
STRUCTURE-ACTIVITY RELATIONSHIP/
TIBIA, drug effects/ TIBIA, growth &
development/ *TRYPTOPHAN
2616. Nett TM, Holtan DW, Liné Estergreen V: Plasma
estrogens in pregnant and postpartum mares.
J Anim Sci 37:962-70, Oct 73
ANIMAL EXPERIMENTS/ ANTIBODIES/
CROSS REACTIONS/ ESTRADIOL, blood/
*ESTROGENS, blood/ ESTRONE, blood/
ESTRUS/ FEMALE/ *HORSES, physiology/
PREGNANCY/ *PREGNANCY, ANIMAL/
*PUERPERIUM/ RADIOIMMUNOASSAY/
SHEEP, immunology/ TIME FACTORS/
TRITIUM
2617. Netto IC, Basso AG, Cockett AT: Renal preservation. A
modified solution for 18 hours of protection.
Urology 2:389-92, 4 Oct 73
AMINOHIPURIC ACID, urine/ ANIMAL
EXPERIMENTS/ CADAVER/ CREATININE,
blood/ DOGS/ HUMAN/ *KIDNEY/ KIDNEY,
transplantation/ KIDNEY FAILURE, ACUTE,
etiology/ MANNITOL/
METHYLPREDNISOLONE/ NEPHRECTOMY/
*PERFUSION/ PHENOXYBENZAMINE/
SOLUTIONS/ TEMPERATURE/ TIME
FACTORS/ *TISSUE PRESERVATION/
TRANSPLANTATION, AUTOLOGOUS/
UREMIA, mortality/ URINATION
2618. Neu RL, Barlow MJ Jr, Gardner LI: Communications
and commentaries: A 46,XYq- male with aspermia.
Fertil Steril 24:811-3, Oct 73
ADULT/ CHEEK/ DIABETES MELLITUS,
complications/ HUMAN/ KARYOTYPING/
MALE/ MOUTH MUCOSA, cytology/ *SEX
CHROMOSOME ABNORMALITIES,
complications/ SEX CHROMOSOMES/
*SPERMATOGENESIS/ *SPERMATOZOA/
*STERILITY, MALE, etiology
2619. Neubauer H: Die medikamentöse Behandlung des
Herpes simplex corneae.
Ber Dtsch Ophthalmol Ges 71:273-8, 1972 (Ger)
*ADRENAL CORTEX HORMONES, therapeutic
use/ ANTIVIRAL AGENTS, adverse effects/
*ANTIVIRAL AGENTS, therapeutic use/
GAMMA GLOBULIN, therapeutic use/
GLAUCOMA, chemically induced/ HUMAN/
*KERATITIS, DENDRITIC, drug therapy/
RECURRENCE
2620. Neubauer O: Behandlung der Keratoconjunctivitis
sicca mit hromhexinhaltigen Augentropfen und
Bromhexine-Kapseln.
Wien Med Wochenschr 123:719-22, 1 Dec 73 (Ger)
AMMONIUM COMPOUNDS, therapeutic use/
*ANILINE COMPOUNDS, therapeutic use/
BENZYL COMPOUNDS, therapeutic use/
CYCLOHEXANE, therapeutic use/ DRUG
COMBINATIONS/ EXOPHTHALMOS,
complications/ HUMAN/
*KERATOCONJUNCTIVITIS, drug therapy/
METHODS/ OPHTHALMIC SOLUTIONS/
SJOJREN'S SYNDROME, drug therapy/
TABLETS
2621. Neubauer O: Farbsinnstörungen bei längerer
Verwendung von Ovulationshemmern.

AUTHOR SECTION

- Klin Monatshl Augenhellkd 162:803-6, Jun 73 (Ger)
 *COLOR BLINDNESS, chemically induced/
 COLOR PERCEPTION, drug effects/ COLOR
 PERCEPTION TESTS/ CONTRACEPTIVES,
 ORAL, administration & dosage/
 *CONTRACEPTIVES, ORAL, adverse effects/
 ENGLISH ABSTRACT/ FEMALE/ HUMAN/
 TIME FACTORS
2622. Neubert D, Zens P, Rothenwallner A, et al: A survey of the embryotoxic effects of TCDD in mammalian species. Environ Health Perspect 5:67-79, Sep 73
 *ABNORMALITIES, DRUG-INDUCED, etiology/
 AMINES, toxicity/ ANIMAL EXPERIMENTS/
 CLEFT PALATE, chemically induced/
 CYCLOPHOSPHAMIDE, toxicity/
 DEXAMETHASONE, toxicity/ DIOXINS,
 administration & dosage/ *DIOXINS, toxicity/
 DOSE-RESPONSE RELATIONSHIP, DRUG/
 DRUG SYNERGISM/ EMBRYO, drug effects/
 FEMALE/ FETAL DEATH,
 chemically induced/ FETAL DISEASES,
 chemically induced/ *FETUS, drug effects/
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 chemically induced/ KIDNEY, abnormalities/
 MICE/ MICE, INBRED STRAINS/
 NICOTINAMIDE, toxicity/ PREGNANCY/
 RATS/ SPECIES SPECIFICITY/
 2,4,5-TRICHLOROPHENOXYACETIC ACID,
 toxicity
2623. Neufeld AH, Chavis RM, Sears ML: Cyclic-AMP in the aqueous humor: the effects of repeated topical epinephrine administration and sympathetic denervation. Exp Eye Res 16:265-72, 10 Aug 73
 *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, metabolism/ ADENYL
 CYCLASE, metabolism/ ANIMAL
 EXPERIMENTS/ *AQUEOUS HUMOR, drug
 effects/ AQUEOUS HUMOR, enzymology/
 AQUEOUS HUMOR, physiology/
 *EPINEPHRINE, administration & dosage/
 EPINEPHRINE, pharmacodynamics/ GLANGLIA,
 AUTONOMIC, physiology/ INJECTIONS/
 INTRAOCULAR PRESSURE, drug effects/
 ISOPROTERENOL, pharmacodynamics/
 NOREPINEPHRINE, pharmacodynamics/
 RABBITS/ *SYMPATHECTOMY/ TIME
 FACTORS
2624. Neumann E, Rosenheck K: Permeability changes induced by electric impulses in vesicular membranes. J Membr Biol 10:279-90, 29 Dec 72
 ADENOSINE TRIPHOSPHATE, metabolism/
 *ADRENAL MEDULLA, cytology/ ADRENAL
 MEDULLA, metabolism/ ANIMAL
 EXPERIMENTS/ CATECHOLAMINES,
 metabolism/ CATTLE/ CELL
 FRACTIONATION/ CENTRIFUGATION,
 DENSITY GRADIENT/ CYTOPLASMIC
 GRANULES, metabolism/ *CYTOPLASMIC
 GRANULES, physiology/ *ELECTRIC
 STIMULATION/ KINETICS/ MATHEMATICS/
 MEMBRANES, metabolism/ MEMBRANES,
 physiology/ *PERMEABILITY/
 SPECTROPHOTOMETRY, ULTRAVIOLET
2625. Newcomer WS: Accumulation of radiolodine in thyroids of chicks of the obese strain with hereditary thyroiditis and of their parental strain. Gen Comp Endocrinol 21:322-30, Oct 73
 AGE FACTORS/ ANIMAL EXPERIMENTS/
 BODY WEIGHT/ CHICKENS/ *IODINE,
 metabolism/ IODINE RADIOISOTOPES/
 KINETICS/ OBESITY, familial & genetic/
 *OBESITY, metabolism/ PROTEIN-BOUND
 IODINE TEST/ *THYROID GLAND,
 metabolism/ *THYROIDITIS, familial &
 genetic/ THYROIDITIS, metabolism
2626. Newton J, Brotman M, McEwan J, et al: Hospital family planning: termination of pregnancy and contraceptive use. Br Med J 4:280-4, 3 Nov 73
 *ABORTION, LEGAL/ ABORTION, LEGAL,
 adverse effects/ ATTITUDE TO HEALTH/
 *CONTRACEPTION/ CONTRACEPTIVE
 DEVICES/ CONTRACEPTIVES, ORAL/
 *FAMILY PLANNING/ FEMALE/ FOLLOW-UP
 STUDIES/ HUMAN/ INTRAUTERINE
 DEVICES/ LONDON/ MOTIVATION/
- PREGNANCY/ SOCIAL CLASS/
 STERILIZATION, SEXUAL
2627. Nezelof C, Basset F, Rousseau MF: Histiocytosis X: histogenetic arguments for a Langerhans cell origin. Blomediene 18:365-71, Sep 73 (65 ref.)
 AGE FACTORS/ BONE AND BONES,
 pathology/ BONE DISEASES, pathology/
 CELLULAR INCLUSIONS/ CHRONIC
 DISEASE/ HUMAN/ *LANGERHANS CELLS/
 LETTERER-SIWE DISEASE, classification/
 MICROSCOPY, ELECTRON/ PHAGOCYTOSIS/
 RETICULOENDOTHELIOSIS, classification/
 RETICULOENDOTHELIOSIS, etiology/
 RETICULOENDOTHELIOSIS,
 familial & genetic/
 *RETICULOENDOTHELIOSIS, pathology/
 REVIEW/ TISSUE CULTURE
2628. Ng LK, Marsden HM, Colburn RW, et al: Population density and social pathology in mice. Differences in catecholamine metabolism associated with differences in behavior. Brain Res 59:323-30, 14 Sep 73
 ADRENAL GLANDS, metabolism/ ANIMAL
 EXPERIMENTS/ *BEHAVIOR, ANIMAL/
 BRAIN, enzymology/ *BRAIN, metabolism/
 CARBON RADIOISOTOPES/
 *CATECHOLAMINES, metabolism/ MALE/
 METHYLTRANSFERASES, metabolism/ MICE/
 MICE, INBRED BALB C/ *POPULATION
 DENSITY/ *SOCIAL BEHAVIOR/ SOCIAL
 ENVIRONMENT/ STRESS, PSYCHOLOGICAL/
 TERRITORIALITY/ TYROSINE
 HYDROXYLASE, metabolism
2629. Niall HD, Hogan ML, Tregear GW, et al: The chemistry of growth hormone and the lactogenic hormones. Recent Prog Horm Res 29:387-416, 1973 (43 ref.)
 AMINO ACID SEQUENCE/ AMINO ACIDS,
 analysis/ ANIMAL EXPERIMENTS/ CATTLE/
 COMPARATIVE STUDY/ CYANOGEN
 BROMIDE/ FEMALE/ HUMAN/ PEPTIDES,
 analysis/ PLACENTA, analysis/ PLACENTAL
 LACTOGEN, analysis/ PREGNANCY/
 *PROLACTIN, analysis/ PROLACTIN, chem
 synthesis/ PROLACTIN, isolation &
 purification/ REVIEW/ SHEEP/
 *SOMATOTROPIN, analysis/ SOMATOTROPIN,
 chem synthesis/ SPECIES SPECIFICITY
2630. Niarchos AP, Finn R: Letter: Association between hypothyroidism and abdominal aneurysm. Br Med J 4:110, 13 Oct 73
 ANTIGEN-ANTIBODY COMPLEX/ AORTA,
 ABDOMINAL/ *AORTIC ANEURYSM, etiology,
 AORTIC ANEURYSM, immunology/
 ARTERIOSCLEROSIS, complications/ HUMAN/
 *HYPOTHYROIDISM, complications/
 HYPOTHYROIDISM, immunology
2631. Nichols CW Jr: Somatotrophic effects of prolactin and growth hormone in juvenile snapping turtles (Chelydra serpentina). Gen Comp Endocrinol 21:219-24, Oct 73
 ADIPOSE TISSUE, drug effects/ ANIMAL
 EXPERIMENTS/ BODY WEIGHT,
 drug effects/ *GROWTH, drug effects/
 HEART, drug effects/ KIDNEY, drug effects/
 LIVER, drug effects/ ORGAN WEIGHT/
 PANCREAS, drug effects/ *PROLACTIN,
 pharmacodynamics/ SHEEP/ *SOMATOTROPIN
 pharmacodynamics/ SPLEEN, drug effects/
 *TURTLES
2632. Nickell WB, Vasconez LO, Jurkiewicz MJ, et al: On stage surgical repair of mandibular osteoradionecrosis with jaw preservation. Am J Surg 126:502-4, Oct 73
 ADULT/ AGED/ *BONE AND BONES,
 radiation effects/ DEBRIDEMENT/ HUMAN/
 MALE/ *MANDIBLE, radiation effects/
 *MANDIBULAR DISEASES, surgery/ MIDDLE
 AGE/ MOUTH FLOOR/ *MOUTH
 NEOPLASMS, radiotherapy/ NECROSIS/
 OSTEORADIONECROSIS, surgery/ PAIN/
 *RADIATION INJURIES, surgery/
 *RADIOTHERAPY, adverse effects/
 *SALIVARY GLAND NEOPLASMS,
 radiotherapy/ SKIN, transplantation/
 SUBMANDIBULAR GLAND/ TOOTH

AUTHOR SECTION

EXTRACTION/ TRANSPLANTATION,
AUTOLOGOUS

- Nickerson PA: Adrenocortical cells in rats bearing a corticosterone secreting tumor.
Virchows Arch [Zellpathol] 13:297-305, 21 Aug 73
ADRENAL GLAND NEOPLASMS, metabolism/
*ADRENAL GLAND NEOPLASMS, pathology/
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ *CORTICOSTERONE,
secretion/ ENDOPLASMIC RETICULUM/
FEMALE/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ NEOPLASM
TRANSPLANTATION/ NEOPLASMS,
EXPERIMENTAL, metabolism/ *NEOPLASMS,
EXPERIMENTAL, pathology/ ORGAN
WEIGHT/ RATS/ TIME FACTORS
- Nicolaisen HH, Pedersen H, Guttorm E, et al:
Postovulatory endometrial development in women
with I.U.D. Acta Obstet Gynecol Scand 52:253-8, 1973
BIOPSY/ BODY TEMPERATURE/
CYTOPLASMIC GRANULES/ ENDOMETRIUM,
analysis/ *ENDOMETRIUM, pathology/
EPITHELIAL CELLS/ FEMALE/ HUMAN/
*INTRAUTERINE DEVICES/
MUCOPOLYSACCHARIDES, analysis/
*OVULATION/ PREGNANEDIOL, urine/
STAINS AND STAINING
- Nicolau G, Lungu A: Ritm circanual al acidului
ribonucleic (ARN) din suprarenala șobolanului alb.
Stud Cercet Endocrinol 24:387-91, 1973 (Rum)
*ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ RATS/ *RNA, metabolism/
SEASONS
- Nicosia SZ, Galli G, Flecchi A, et al: Base-catalyzed
silylation. A quantitative procedure for the gas
chromatographic-mass spectrometric analysis of
neutral steroids. J Steroid Biochem 4:417-25, Jul 73
ADRENAL CORTEX HORMONES, urine/
CHROMATOGRAPHY, GAS/
11-HYDROXYCORTICOSTEROIDS, urine/
HYDROXYSTEROIDS, urine/ KETOSTEROIDS,
urine/ METHANE/ METHODS/ *SILICON/
SPECTRUM ANALYSIS, MASS/ *STEROIDS,
urine
- Niekerk CH van, Coubrough RI, Doms HW:
Progesterone treatment of mares with abnormal
oestrous cycles early in the breeding season.
J S Afr Vet Med Assoc 44:37-45, Mar 73
ANIMAL EXPERIMENTS/ BREEDING/
*ESTRUS, drug effects/ FEMALE/
FERTILITY, drug effects/ GRAAFIAN
FOLLICLE, anatomy & histology/ *HORSES,
physiology/ INJECTIONS, INTRAMUSCULAR/
OVULATION, drug effects/ PROGESTERONE,
administration & dosage/ *PROGESTERONE,
pharmacodynamics
- Nielsen LD, Monard D, Rickenberg HV: Cyclic
3',5'-adenosine monophosphate phosphodiesterase of
Escherichia coli. J Bacteriol 116:857-66, Nov 73
ACETONE/ ACIDS/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE/ BACTERIAL PROTEINS,
pharmacodynamics/ CULTURE MEDIA/
ENZYME ACTIVATION, drug effects/
ENZYME REPRESSION/ *ESCHERICHIA COLI,
enzymology/ HEAT/ HYDROGEN-ION
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MOLECULAR WEIGHT/
PHOSPHODIESTERASES, analysis/
PHOSPHODIESTERASES, antagonists &
inhibitors/ *PHOSPHODIESTERASES, isolation
& purification/ STREPTOMYCIN/ TIME
FACTORS
- Niewiarowski S, Goldstein S: Interaction of cultured
human fibroblasts with fibrin: modification by drugs
and aging in vitro. J Lab Clin Med 82:605-10, Oct 73
*AGING/ BLOOD PLATELETS/ CELLS,
CULTURED/ *CYTOCHALASIN B,
pharmacodynamics/ *DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ EHLERS-DANLOS
SYNDROME/ EPINEPHRINE,
pharmacodynamics/ FEMALE/ FETUS/
*FIBRIN/ FIBRINOGEN/ FIBROBLASTS, drug
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- IODINE RADIOISOTOPES/ L CELLS/ MALE/
MODELS, BIOLOGICAL/ *PROTAGLANDINS,
pharmacodynamics/ SEROTONIN,
pharmacodynamics/ SEX FACTORS/ *SKIN,
cytology/ VASOPRESSIN, pharmacodynamics
2640. Nikitin VN, Pashkova AA, Liubetskaya VG: Zavisimost'
lipoliticheskoi aktivnosti ot funktsii shchitovidnoi
zhelezy na raznykh etapakh ontogeneza.
Dokl Akad Nauk SSSR 212:262-4, 1 Sep 73 (Rus)
ADIPOSE TISSUE, drug effects/ *ADIPOSE
TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ EPIDIDYMIS/ IN VITRO/
*LIPID MOBILIZATION/ LIPID
MOBILIZATION, drug effects/ RATS/
THYROID GLAND, growth & development/
*THYROID GLAND, physiology/
THYROIDECTOMY/ THYROXINE,
pharmacodynamics
2641. Nikolaichuk LV: Khronicheskaya nadpochechnikovalaya
nedostatochnost' pri revmatizme.
Sov Med 35:133-4, Jun 72 (Rus)
*ADRENAL GLAND HYPOFUNCTION,
physiopathology/ ADULT/ CASE REPORT/
CHRONIC DISEASE/ FEMALE/ HUMAN/
NEUROLOGIC MANIFESTATIONS/
*RHEUMATISM, physiopathology
2642. Nilsson A, Rönnebeck C: Influence of oestrogenic
hormones on carcinogenesis and toxicity of
radiostrontium.
Acta Radiol [Ther] (Stockh) 12:209-28, Jun 73
ANIMAL EXPERIMENTS/ BONE
DEVELOPMENT, drug effects/ *BONE
DEVELOPMENT, radiation effects/ *BONE
NEOPLASMS, etiology/ BONE NEOPLASMS,
pathology/ CELL DIVISION, drug effects/
CELL DIVISION, radiation effects/
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ESTRADIOL, administration & dosage/
*ESTRADIOL, pharmacodynamics/ FEMALE/
MALE/ NEOPLASMS, EXPERIMENTAL/
*NEOPLASMS, RADIATION-INDUCED,
etiology/ NEOPLASMS, RADIATION-INDUCED,
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RADIATION-INDUCED, pathology/
ORGANOPHOSPHORUS COMPOUNDS,
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ORGANOPHOSPHORUS COMPOUNDS,
pharmacodynamics/ OSTEOBLASTS, drug
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OSTEOCLASTS, drug effects/ OSTEOCLASTS,
radiation effects/ POLYMERS, administration
& dosage/ POLYMERS, pharmacodynamics/
*RADIATION EFFECTS/ RATS/ *SARCOMA,
OSTEOGENIC, etiology/ SARCOMA,
OSTEOGENIC, pathology/ *STRONTIUM
RADIOISOTOPES/ TIME FACTORS
2643. Nir I, Ayalon D, Tsafirli A, et al: Letter: Suppression of
the cyclic surge of luteinizing hormone secretion and
of ovulation in the rat by delta
1-tetrahydrocannabinol. Nature 243:470-1, 22 Jun 73
ANIMAL EXPERIMENTS/ *CANNABIS,
pharmacodynamics/ DEPRESSION, CHEMICAL/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ESTRUS/ HYPOTHALAMO-HYPOPHYSAL
SYSTEM, drug effects/ *HYPOTHALAMUS,
secretion/ INJECTIONS, INTRAPERITONEAL/
LH, blood/ *LH, secretion/ MALE/
*OVULATION, drug effects/
PENTOBARBITAL, pharmacodynamics/
*PITUITARY GLAND, secretion/ *PITUITARY
HORMONE RELEASING HORMONES,
secretion/ RATS/
TETRAHYDROCANNABINOL, administration &
dosage/ TETRAHYDROCANNABINOL,
pharmacodynamics
2644. Nisevich NI: Virusnyi gepatit u detei.
Pediatrila 51:3-9, May 73 (Rus)
ADRENAL GLANDS, physiopathology/
AUSTRALIA ANTIGEN, analysis/ CHILD,
PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/
*HEPATITIS, HOMOLOGOUS SERUM,
diagnosis/ HEPATITIS, HOMOLOGOUS
SERUM, immunology/ *HEPATITIS,
INFECTIOUS, diagnosis/ HEPATITIS,
INFECTIOUS, drug therapy/ HEPATITIS,

AUTHOR SECTION

- INFECTIOUS, immunology/ HEPATITIS,
INFECTIOUS, physiopathology/ HUMAN/
INFANT/ LIVER, physiopathology/
PREDNISOLONE, therapeutic use
2645. Nishida S, Jungmann RA, Schweppe JS: Biosynthesis of
steroids from cholesterol-14C by human adrenal
carcinoma tissue. *Steroids* 22:337-50, Sep 73
ADRENAL CORTEX HORMONES,
pharmacodynamics/ *ADRENAL GLAND
NEOPLASMS, metabolism/ ADRENAL
GLANDS, drug effects/ ANDROSTENEDIONE,
biosynthesis/ CARBON RADIOISOTOPES/
*CARCINOMA, metabolism/ *CHOLESTEROL,
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*DEHYDROEPIANDROSTERONE, biosynthesis/
DIBUTYRYL CYCLIC AMP,
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HYDROXYPROGESTERONE, biosynthesis/ IN
VITRO/ MIDDLE AGE/ PHENOLS/
*PREGNENOLONE, biosynthesis/
*PROGESTERONE, biosynthesis/
TESTOSTERONE, biosynthesis/ TRITIUM
2646. Nishioka M, Okamoto Y, Shigeta K, et al: Further
observations on alpha-fetoprotein in the diagnosis of
diseases of the digestive tract.
Digestion 8:396-406, 1973
*ALPHA GLOBULIN, analysis/
CHOLANGIOMA, diagnosis/ *FETAL
GLOBULINS, analysis/ *GASTROINTESTINAL
NEOPLASMS, diagnosis/ GEL DIFFUSION
TESTS/ HEPATITIS, infectious, diagnosis/
HEPATOMA, diagnosis/ HODGKIN'S DISEASE,
diagnosis/ HUMAN/ IMMUNE SERUMS/
IMMUNOELECTROPHORESIS/ LEUKEMIA,
diagnosis/ LIVER CIRRHOSIS, diagnosis/
*LIVER DISEASES, diagnosis/ *LIVER
NEOPLASMS, diagnosis/ NEOPLASM
METASTASIS/ OVARIAN NEOPLASMS,
diagnosis/ SARCOMA, RETICULUM CELL,
diagnosis/ STOMACH NEOPLASMS, diagnosis
2647. Nishiyama K: [Protein kinase and cyclic AMP (author's
transl)]
Protein Nucleic Acid Enzyme (Tokyo) 18:480-7, Jun 73
(35 ref.)
(Jap)
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ CATALYSIS/
CATTLE/ ENZYME ACTIVATION/ LIVER,
enzymology/ MUSCLES, enzymology/
NUCLEOTIDES/ *PROTEIN KINASE,
metabolism/ RABBITS/ RATS/ REVIEW
2648. Nisula BC, Kohler PO, Vaitukaitis JL, et al:
Neutralization of human thyrotropin by antisera to
subunits of glycoprotein hormones.
J Clin Endocrinol Metab 37:864-9, Nov 73
ANIMAL EXPERIMENTS/ ANTIGENIC
DETERMINANTS/ CATTLE/ FEMALE/ FETAL
MEMBRANES/ GONADOTROPINS,
CHORIONIC/ *IMMUNE SERUMS/ IODINE
RADIOISOTOPES/ ISOTOPE LABELING/ LH/
LONG-ACTING THYROID STIMULATOR/
MICE/ NEUTRALIZATION TESTS/
PITUITARY GLAND/ *THYROTROPIN
2649. Niswender GD: Influence of the site of conjugation on
the specificity of antibodies to progesterone.
Steroids 22:413-24, Sep 73
ANIMAL EXPERIMENTS/ *ANTIBODY
SPECIFICITY/ ANTIGEN-ANTIBODY
REACTIONS/ BINDING SITES, ANTIBODY/
CATTLE/ CHEMISTRY/ DOGS/ ESTERS/
HAPTENS/ HORSES/ HUMAN/ IODINE
RADIOISOTOPES/ METHODS/
*PROGESTERONE/ RABBITS, immunology/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ SHEEP/ STRUCTURE-ACTIVITY
RELATIONSHIP/ SWINE/ TYROSINE
2650. Noetzel H: Über die nichtarteriosklerotischen
intracerebralen Verkalkungen (Typ Fahr) nach
Strumektomie.
Verh Dtsch Ges Kreislaufforsch 56:573-8, 1972 (Ger)
AGED/ BRAIN, pathology/ *CALCINOSIS,
etiology/ CAPILLARIES/
*CEREBROVASCULAR DISORDERS, etiology/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*HYPERCALCEMIA, etiology/ MIDDLE AGE/
*PARATHYROID DISEASES, etiology/
SYNDROME/ *THYROIDECTOMY, adverse
effects
2651. Nomura T, Okamoto E, Manabe H: Ovarian teratoma
found in an offspring of mothers (ICR-JCL mice)
treated with urethane.
Med J Osaka Univ 23:121-31, Dec 72
ANIMAL EXPERIMENTS/ *CARCINOGENS/
FEMALE/ *FETUS, drug effects/
MATERNAL-FETAL EXCHANGE/ MICE/
*OVARIAN NEOPLASMS/ PREGNANCY/
*TERATOID TUMOR, chemically induced/
*URETHANE/ URETHANE, administration &
dosage/ URETHANE, pharmacodynamics
2652. Nomura Y, Abe Y, Hattori T, et al: Measurement of
estrogen-binding capacity in the hormone-dependent
and -independent rat mammary tumors.
Gann 64:401-4, Aug 73
ANIMAL EXPERIMENTS/
BENZANTHRACENES/ CASTRATION/
ESTRADIOL, metabolism/ *ESTROGENS,
metabolism/ FEMALE/ MAMMARY
NEOPLASMS, EXPERIMENTAL, chemically
induced/ *MAMMARY NEOPLASMS,
EXPERIMENTAL, metabolism/ RATS/
RECEPTORS, HORMONE/ TRITIUM
2653. Noonan KD, Burger MM: Induction of 3T3 cell division
at the monolayer stage. Early changes in
macromolecular processes.
Exp Cell Res 80:405-14, Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ CELL
AGGREGATION, drug effects/ *CELL
DIVISION, drug effects/ CELL LINE/ CELLS,
CULTURED/ CONCANAVALIN A,
pharmacodynamics/ *DNA, biosynthesis/
EMBRYO/ MICE/ MITOSIS/ *PRONASE,
pharmacodynamics/ *PROTEINS, biosynthesis/
*RNA, biosynthesis/ TIME FACTORS/
URIDINE, metabolism
2654. Norback DH, Allen JR: Biological responses of the
nonhuman primate, chicken, and rat to chlorinated
dibenzo-p-dioxin ingestion.
Environ Health Perspect 5:233-40, Sep 73
ANIMAL EXPERIMENTS/ ASCITES,
chemically induced/ BLOOD CELL COUNT/
BLOOD PROTEINS, analysis/ BONE MARROW
drug effects/ CHICKENS/ CHLOROBENZENES
toxicity/ DIET/ *DIOXINS, toxicity/ EDEMA,
chemically induced/ GASTRIC MUCOSA,
pathology/ HEART, drug effects/ HEPATITIS
TOXIC, etiology/ LIVER, drug effects/
LYMPHATIC SYSTEM, drug effects/
MACACA/ MALE/ MONKEYS/ MYOCARDIUM
pathology/ PERICARDIAL EFFUSION,
chemically induced/ RATS/ SKIN DISEASES,
chemically induced/ SPECIES SPECIFICITY/
STOMACH ULCER, chemically induced/
TESTIS, drug effects
2655. Nordbo K: Overgang av farmaka til morsmelk.
Tidsskr Nor Laegeforen 93:1402-5, 30 Jun 73 (14 ref)
(Nor)
ADULT/ *ANTIBIOTICS, metabolism/
ANTINEOPLASTIC AGENTS, metabolism/
BLOOD/ CYCLOPHOSPHAMIDE, metabolism/
DIPHENYLHYDANTOIN, metabolism/
FEMALE/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ *HYPNOTICS AND
SEDATIVES, metabolism/ INFANT,
NEWBORN/ *MILK, HUMAN, metabolism/
REVIEW/ SOLUBILITY/ THYROID
ANTAGONISTS, metabolism/ TIME FACTORS
*TRANQUILIZING AGENTS, metabolism
2656. Nordlund JJ, Klaus SN, Mathews-Roth MM, et al: Ne
therapy for polymorphous light eruption.
Arch Dermatol 108:710-2, Nov 73
ADULT/ BENZENESULFONATES, therapeutic
use/ BENZOPHENONES, therapeutic use/
DRUG THERAPY, COMBINATION/ HUMAN/
HYDROXYCHLOROQUINE, therapeutic use/
LIGHT/ MALE/ *PHOTOSENSITIZATION, drug
therapy/ PHOTSENSITIZATION, etiology/
PHOTOSENSITIZATION, pathology/ SKIN,
radiation effects/ SUNSCREENING AGENTS,

AUTHOR SECTION

- therapeutic use/ TRIAMCINOLONE
ACETONIDE, therapeutic use/ ULTRAVIOLET
RAYS/ XENON
7. Nordqvist SR: Endometrial cancer. Facts and theories.
Pathol Annu 8:283-300, 1973 (93 ref.)
ADMINISTRATION, TOPICAL/ AGE
FACTORS/ ANDROGENS, urine/ CELLS,
CULTURED/ DNA, NEOPLASM, biosynthesis/
ESTROGENS, physiology/ FEMALE/ HUMAN/
ORGAN CULTURE/ PITUITARY GLAND,
physiopathology/ PROGESTERONE,
administration & dosage/ PROGESTERONE,
therapeutic use/ PROGNOSIS/ RECEPTORS,
HORMONE/ REVIEW/ RNA, NEOPLASM,
biosynthesis/ *UTERINE NEOPLASMS/
UTERINE NEOPLASMS, drug therapy/
UTERINE NEOPLASMS, etiology/ UTERINE
NEOPLASMS, metabolism/ UTERINE
NEOPLASMS, mortality/ UTERINE
NEOPLASMS, occurrence/ UTERINE
NEOPLASMS, pathology/ UTERINE
NEOPLASMS, physiopathology/ UTERUS,
pathology
8. Norman JR, Proctor CA, Conerly AW: Respiratory
failure in chronic airways obstruction.
J Miss State Med Assoc 14:431-8, Oct 73
AEROSOLS/ ANTIBIOTICS, therapeutic use/
BLOOD GAS ANALYSIS/ CHRONIC DISEASE/
DOXAPRAM, therapeutic use/ DRAINAGE/
EXERCISE THERAPY/ HUMAN/ *LUNG
DISEASES, OBSTRUCTIVE, complications/
LUNG DISEASES, OBSTRUCTIVE,
physiopathology/ POSITIVE-PRESSURE
RESPIRATION/ POSTURE/ PREDNISONE,
therapeutic use/ RESPIRATORY
INSUFFICIENCY, drug therapy/
RESPIRATORY INSUFFICIENCY, etiology/
*RESPIRATORY INSUFFICIENCY, therapy
9. Norris DO, Platt JE: Effects of pituitary hormones,
melatonin, and thyroidal inhibitors on radiolodide
uptake by the thyroid glands of larval and adult tiger
salamanders, *Amphystoma tigrinum* (Amphibia:
Caudata). Gen Comp Endocrinol 21:368-76, Oct 73
*AMBYSTOMA, physiology/ ANIMAL
EXPERIMENTS/ FSH, pharmacodynamics/
*IODINE, metabolism/ IODINE
RADIOISOTOPES/ LARVA/ LH,
pharmacodynamics/ *MELATONIN,
pharmacodynamics/ METAMORPHOSIS,
BIOLOGICAL/ PROLACTIN,
pharmacodynamics/ *PROPYLTHIOURACIL,
pharmacodynamics/ *THIOCYANATES,
pharmacodynamics/ THYROID GLAND, drug
effects/ *THYROID GLAND, metabolism/
*THYROTROPIN, pharmacodynamics
10. Nota G, Palombari R: Determination of cyanides and
thiocyanates in water by gas chromatography.
J Chromatogr 84:37-41, 12 Sep 73
BROMINE/ CHROMATOGRAPHY, GAS/
COLORIMETRY/ *CYANIDES, analysis/
ELECTRONS/ METHODS/ MICROCHEMISTRY/
*THIOCYANATES, analysis/ *WATER
POLLUTION, CHEMICAL, analysis
11. Notelovitz M: Letter: Guide to steroid contraception in
general practice. S Afr Med J 47:2040, 3 Nov 73
*CONTRACEPTIVES, ORAL/
CONTRACEPTIVES, ORAL, adverse effects/
DRUG COMBINATIONS/ ESTROGENS, adverse
effects/ FEMALE/ GENERAL PRACTICE/
HUMAN/ *PRESCRIPTIONS/
PROGESTATIONAL HORMONES, adverse
effects
12. Notelovitz M: Clinical evaluation of a normophasic oral
contraceptive. S Afr Med J 47:1943-7, 20 Oct 73
ADOLESCENCE/ ADULT/ BLOOD PRESSURE,
drug effects/ BODY WEIGHT, drug effects/
*CONTRACEPTIVES, ORAL/
CONTRACEPTIVES, ORAL, adverse effects/
CONTRACEPTIVES, ORAL, pharmacodynamics/
FEMALE/ HUMAN/ LACTATION,
drug effects/ *LYNESTRENOL, administration
& dosage/ LYNESTRENOL, adverse effects/
LYNESTRENOL, pharmacodynamics/
MENSTRUATION, drug effects/ *MESTRANOL,
administration & dosage/ MESTRANOL,
adverse effects/ MESTRANOL,
pharmacodynamics/ PREGNANCY/ TIME
FACTORS
2663. Novak M, Monkus E, Wolf H: The metabolism of
subcutaneous adipose tissue in the immediate
postnatal period of human neonates. 3. Role of fetal
glycogen in lipolysis and fatty acid esterification in
the first hours of life. Pediatr Res 7:769-77, Sep 73
ADENOSINE TRIPHOSPHATE, biosynthesis/
ADENYL CYCLASE, metabolism/ ADIPOSE
TISSUE, enzymology/ *ADIPOSE TISSUE,
metabolism/ AGE FACTORS/ BIOPSY,
NEEDLE/ *FATTY ACIDS, metabolism/
FEMALE/ FLUORIDES, pharmacodynamics/
GLYCERIN, metabolism/ *GLYCOGEN,
metabolism/ GLYCOGEN PHOSPHORYLASE,
analysis/ HUMAN/ IN VITRO/ *INFANT,
NEWBORN/ LABOR/ LIPIDS, metabolism/
PREGNANCY/ STIMULATION, CHEMICAL/
TIME FACTORS
2664. Novelli GP, Marsili M, Pieraccoli E: Anti-shock action
of steroids other than cortisone.
Eur Surg Res 5:169-74, 1973
ANIMAL EXPERIMENTS/ ESTROGENIC
SUBSTANCES, CONJUGATED, administration
& dosage/ *ESTROGENIC SUBSTANCES,
CONJUGATED, therapeutic use/
HYDROCORTISONE, administration & dosage/
*HYDROCORTISONE, therapeutic use/
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dosage/ *METHYLPREDNISOLONE, therapeutic
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TRAUMATIC, prevention & control/
STRUCTURE-ACTIVITY RELATIONSHIP/
TESTOSTERONE, administration & dosage/
*TESTOSTERONE, therapeutic use/ TIME
FACTORS
2665. Novich MM: Drug abuse and drugs in sports. Personal
observations. NY State J Med 73:2597-600, 1 Nov 73
ADOLESCENCE/ ADULT/ AMPHETAMINE/
ANABOLIC STEROIDS/ ANALGESICS AND
ANTIPYRETICS/ ANDROGENS/
ANESTHETICS/ BARBITURATES/ *DRUG
ABUSE/ FEMALE/ HUMAN/ MALE/
NARCOTICS/ PSYCHOSES, TOXIC/ *SPORTS/
UNITED STATES
2666. Novin D, Durham R: Orthodromic and antidromic
activation of the paraventricular nucleus of the
hypothalamus in the rabbit.
Exp Neurol 41:418-30, Nov 73
ANIMAL EXPERIMENTS/ ELECTRIC
STIMULATION/
ELECTROENCEPHALOGRAPHY/ FEMALE/
HALOTHANE/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM/
HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, physiology/ LACTATION,
drug effects/ MAMMAE, innervation/ MILK,
secretion/ NEURAL INHIBITION/ NEURAL
INTERCONNECTIONS, physiology/ RABBITS/
REFLEX/ RESERPINE, pharmacodynamics/
TETRABENAZINE, pharmacodynamics/
URETHANE, pharmacodynamics
2667. Novotný P: Terapie diabetes insipidus
1-dezamino-8-D-arginin-vasopresinem.
Cas Lek Cesk 112:1083-4, 31 Jul 73 (Cze)
ARGININE, therapeutic use/ *DIABETES
INSIPIDUS, drug therapy/ ENGLISH
ABSTRACT/ HUMAN/ *VASOPRESSIN,
therapeutic use
2668. Nozik RA: Periocular injection of steroids.
Trans Am Acad Ophthalmol Otolaryngol 76:695-705,
May-Jun 72
ADHESIONS/ ADOLESCENCE/ ADULT/ AGE
FACTORS/ AGED/ CATARACT, chemically
induced/ CHILD/ CHORIORETINITIS, drug
therapy/ CUSHING'S SYNDROME, chemically
induced/ EDEMA, chemically induced/ EYE/
HUMAN/ INFLAMMATION, drug therapy/
INJECTIONS/ INTRAOCULAR PRESSURE,
drug effects/ IRIDOCYCLITIS, drug therapy/

AUTHOR SECTION

- *METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, adverse effects/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ OPTIC NEURITIS, drug therapy/ *TRIAMCINOLONE, administration & dosage/ TRIAMCINOLONE, adverse effects/ TRIAMCINOLONE, therapeutic use/ *UVEITIS, drug therapy
2669. Nugent DW, Fottrell PF: Rapid estimation of oestriol in pregnancy urine by gas-liquid chromatography. *Clin Chim Acta* 46:201-3, 28 Jun 73
CHROMATOGRAPHY, GAS/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ TIME FACTORS
2670. Nusynowitz ML, Klein MH: Pseudohypoparathyroidism with ineffective parathyroid hormone. *Am J Med* 55:877-88, Nov 73
ADULT/ BONE AND BONES, metabolism/ BONE AND BONES, radiography/ BONE REGENERATION/ BONE RESORPTION, complications/ CALCIUM, metabolism/ CASE REPORT/ CATARACT, complications/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYPOCALCEMIA, complications/ *HYPOPARATHYROIDISM, diagnosis/ HYPOPARATHYROIDISM, radiography/ KIDNEY, drug effects/ MAGNESIUM DEFICIENCY, complications/ MALABSORPTION SYNDROMES, complications/ MALE/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHORUS, blood/ RADIOIMMUNOASSAY/ TETANY, complications
2671. Nyakas C, Endrőczy E: Effect of neonatal corticosterone administration on behavioural and pituitary-adrenocortical responses in the rat. *Acta Physiol Acad Sci Hung* 42:231-41, 1972
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *AVOIDANCE LEARNING, drug effects/ *BEHAVIOR, ANIMAL, drug effects/ BLOOD SUGAR, metabolism/ CORTICOSTERONE, blood/ *CORTICOSTERONE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ *EXPLORATORY BEHAVIOR, drug effects/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ FLUOROMETRY/ MALE/ ORGAN WEIGHT/ *PITUITARY-ADRENAL SYSTEM, drug effects/ RATS
2672. Nygaard K, Flatmark A: Mesenteric arteritis with extensive intestinal gangrene. *Acta Chir Scand* 139:470-5, 1973
ADULT/ COLON, pathology/ *ENDARTERITIS, complications/ ENDARTERITIS, drug therapy/ FEMALE/ *GANGRENE, etiology/ GANGRENE, surgery/ HUMAN/ INTESTINAL PERFORATION, surgery/ INTESTINE, LARGE, blood supply/ INTESTINE, SMALL, blood supply/ INTESTINE, SMALL, pathology/ INTESTINE, SMALL, surgery/ ISCHEMIA/ MALE/ *MESENTERIC ARTERIES/ *PERIARTERITIS NODOSA, complications/ PERIARTERITIS NODOSA, drug therapy/ PERITONITIS, surgery/ PREDNISONE, therapeutic use/ PREGNANCY/ PREGNANCY COMPLICATIONS/ RECTUM, pathology
2673. Nyilas U, Korkes L, Kiszely G: Fejlődési rendellenességek előfordulása a mellkas rtgernyőfénykép szűrés anyagában. *Orv Hetil* 114:2366-7, 30 Sep 73 (Hun)
*ABNORMALITIES, occurrence/ ABNORMALITIES, radiography/ BONE AND BONES, abnormalities/ HEART DEFECTS, CONGENITAL, occurrence/ HUMAN/ HUNGARY/ *MASS CHEST X-RAY
2674. Nyman S, Lindhe J, Zederfeldt B: Impaired wound healing in progesterone-treated rabbits. *Acta Chir Scand* 139:415-9, 1973
ANIMAL EXPERIMENTS/ BODY WATER, analysis/ CARBON DIOXIDE, analysis/ CASTRATION/ DEPRESSION, CHEMICAL/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GRANULATION TISSUE, analysis/ GRANULATION TISSUE, drug effects/ HYDROGEN-ION CONCENTRATION/ OVARY, physiology/ OXYGEN, analysis/ PARTIAL PRESSURE/ PLACEBOS/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ RABBITS/ TIME FACTORS/ *WOUND HEALING, drug effects
2675. Nyquist SE, Mollenhauer HH: A Golgi apparatus acid phosphatase. *Biochim Biophys Acta* 315:103-12, 5 Jul 73
*ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPARATIVE STUDY/ ELECTROPHORESIS, DISC/ FLUORIDES, pharmacodynamics/ FORMALDEHYDE, pharmacodynamics/ GLYCEROPHOSPHATES/ GOLGI APPARATUS, drug effects/ *GOLGI APPARATUS, enzymology/ HEAT/ HYDROGEN-ION CONCENTRATION/ ISOMERISM/ MALE/ NAPHTHALENES/ PHOSPHATES/ RATS/ SODIUM, pharmacodynamics/ SPECTROPHOTOMETRY/ SUBCELLULAR FRACTIONS, enzymology/ SURFACE-ACTIVE AGENTS/ TARTRATES, pharmacodynamics/ TESTIS, cytology/ TESTIS, enzymology/ TIME FACTORS
2676. O R, Tamaoki BI: In vitro steroidogenesis in feline testes. *Biochim Biophys Acta* 316:395-402, 25 Sep 73
ANDROSTENEDIONE, biosynthesis/ ANDROSTENEDIONE, metabolism/ ANDROSTENOLS, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CASTRATION/ CATS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ DEHYDROEPIANDROSTERONE, metabolism/ HYDROCORTISONE, biosynthesis/ HYDROXYPROGESTERONE, biosynthesis/ HYDROXYPROGESTERONE, metabolism/ MALE/ MICROSOMES, metabolism/ NAD/ NADP/ OXIDATION-REDUCTION/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ TESTIS, cytology/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TIME FACTORS
2677. Oakey RE: Urinary excretion of non-conjugated oestrogens during the menstrual cycle. *J Obstet Gynaecol Br Commonw* 80:794-7, Sep 73
ADULT/ ESTROGENS, blood/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *MENSTRUATION/ RADIOIMMUNOASSAY/ TIME FACTORS
2678. Oashi S, Omuro S, Sugawara I, et al: [Effects of prostaglandin E1 on canine gastrointestinal motility in vivo and human isolated smooth muscle in vitro (author's transl)] *Jap J Smooth Muscle Res* 9:69-77, Jun 73 (Jap)
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ COLON, drug effects/ DOGS/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ *GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ IN VITRO/ INTESTINE, SMALL, drug effects/ KYMOGRAPHY/ MANOMETRY/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ STOMACH, drug effects
2679. Ober KG: Therapieschäden in der Gynäkologie (Klinische Beobachtungen über die Auswirkungen weiblicher Sexual hormone und von Stoffen mit ähnlicher Wirkung) (Referat). *Verh Dtsch Ges Kreislaufforsch* 56:283-91, 1972 (Ger)
ADOLESCENCE/ ADULT/ CERVIX NEOPLASMS, chemically induced/ CERVIX UTERI, drug effects/ CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ *ESTROGENS, adverse effects/ FEMALE/ *GYNECOLOGIC DISEASES, chemically induced/ HUMAN/ MIDDLE AGE/

AUTHOR SECTION

- *PROGESTATIONAL HORMONES, adverse effects/ VAGINAL SMEARS
80. Oberholz H, Manz F: Tetany disposition as a risk factor in pilots. *Aerosp Med* 44:1117-9, Oct 73
ACTION POTENTIALS/ *AVIATION MEDICINE/ ELECTROMYOGRAPHY/ HUMAN/ HYPERVENTILATION, complications/ ISCHEMIA, complications/ MUSCLES, blood supply/ MUSCLES, innervation/ SPASM, diagnosis/ *TETANY, diagnosis/ TETANY, etiology
81. Oberling F, Cazenave JP, Waltz R: A propos des mégacaryocytes extra-médullaires. *Nouv Rev Fr Hematol* 13:522-9, Jul-Aug 73 (Fre)
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ BIOPSY/ BLOOD PLATELETS/ BONE MARROW, blood supply/ DISEASE MODELS, ANIMAL/ HUMAN/ KIDNEY, pathology/ LIVER, blood supply/ *LIVER, pathology/ MEGAKARYOCYTES/ MICROCIRCULATION, pathology/ MICROSCOPY, ELECTRON/ MYELOFIBROSIS, chemically induced/ *MYELOFIBROSIS, pathology/ MYELOID METAPLASIA, chemically induced/ MYELOID METAPLASIA, pathology/ RABBITS/ SAPONINS/ THROMBOPENIA, chemically induced/ TIME FACTORS
82. Obrecht JP: Tumoren des Hodens. *Tber Umsch* 30:663-7, Sep 73 (Ger)
ADULT/ CHLORAMBUCIL, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, radiotherapy
83. Obrecht JP, Mayr AC, Nagel G: Die internistische Behandlung des Prostata-, Corpus-uteri- und Nierenkarzinoms (Hypernephrom). *Schweiz Med Wochenschr* 103:1414-21, 13 Oct 73 (Ger)
*ADENOCARCINOMA, drug therapy/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CYPROTERONE, therapeutic use/ DRUG THERAPY, COMBINATION/ ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *KIDNEY NEOPLASMS, drug therapy/ MALE/ PREDNISONE, therapeutic use/ PROGESTATIONAL HORMONES, therapeutic use/ *PROSTATIC NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, drug therapy
84. O'Connell JE, Du Boulay EP: Binasal hemianopia. *J Neurol Neurosurg Psychiatry* 36:697-709, Oct 73
ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, radiography/ ADENOMA, CHROMOPHOBE, surgery/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, radiography/ BRAIN NEOPLASMS, surgery/ CAROTID ARTERY, INTERNAL, radiography/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERIES, radiography/ FEMALE/ *HEMIANOPIA, etiology/ HUMAN/ MALE/ MENINGIOMA, complications/ MENINGIOMA, radiography/ MENINGIOMA, surgery/ MIDDLE AGE/ *OPTIC CHIASM, radiography/ *OPTIC NERVE, radiography/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ VISUAL FIELDS
85. O'Connor S, Baker HW, Dulmanis A, et al: The measurement of sex steroid binding globulin by differential ammonium sulphate precipitation. *J Steroid Biochem* 4:331-9, Jul 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMMONIUM SULFATE/ ESTRADIOL, blood/ FEMALE/ HUMAN/ IMMUNOELECTROPHORESIS/ LIVER CIRRHOSIS, immunology/ MALE/ MATHEMATICS/ METHODS/ PRECIPITATION/ PROTEIN BINDING/ *SERUM GLOBULINS, analysis/ *SEX HORMONES, analysis/ TESTOSTERONE, blood/ TRITIUM
2686. Oda T, Kuhlrow F: Beobachtungen über Sterblichkeit und Follikelgröße bei Culex pipiens pipiens L. im Verlauf der Überwinterung. *Z Tropenmed Parasitol* 24:373-8, Sep 73 (Ger)
ANIMAL EXPERIMENTS/ *CULEX/ ENGLISH ABSTRACT/ FEMALE/ GRAAFIAN FOLLICLE/ *HIBERNATION/ MORTALITY
2687. O'Donnell JM, Smith MW: Vitamin D-like action of Solanum malacoxylon on calcium transport by rat intestine. *Nature* 244:357-8, 10 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ *CHOLECALCIFEROL, pharmacodynamics/ *INTESTINAL MUCOSA, metabolism/ KINETICS/ PLANT EXTRACTS, pharmacodynamics/ PLANT POISONING, metabolism/ *PLANTS/ RATS/ VITAMIN D DEFICIENCY, metabolism
2688. Oerckermann H, Hirschmann WD, Gross R: Studies on the novo synthesis of nucleic acids in stimulated human lymphocytes. *Klin Wochenschr* 51:471-3, 1 May 73
ASPARAGINASE, pharmacodynamics/ AZATHIOPRINE, pharmacodynamics/ CARBON RADIOISOTOPES/ GLYCINE, pharmacodynamics/ HUMAN/ *LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES/ LYMPHOCYTES, metabolism/ METHOTREXATE, pharmacodynamics/ *NUCLEIC ACIDS, biosynthesis/ OROTIC ACID, pharmacodynamics/ PLANT AGGLUTININS, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ PURINES, biosynthesis/ PYRIMIDINES, biosynthesis
2689. O'Farrell KJ, Crowley JP: Proceedings: Some observations on the use of dexamethasone T.M.A. for the induction of premature calving. *Vet Rec* 93:75, 21 Jul 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ FETAL DEATH, veterinary/ GESTATIONAL AGE/ *LABOR, INDUCED, veterinary/ LACTATION, drug effects/ PREDNISOLONE, pharmacodynamics/ PREGNANCY
2690. O'Farrell GJ: Effect of varying the time of artificial insemination in relation to ovulation on conception and prenatal losses in the rabbit. *Biol Reprod* 9:338-42, Nov 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM/ EMBRYO/ FEMALE/ *FERTILIZATION/ FETAL DEATH/ *INSEMINATION, ARTIFICIAL/ LH, pharmacodynamics/ MALE/ *OVULATION/ OVULATION, drug effects/ PREGNANCY/ RABBITS/ SEASONS/ SEX FACTORS/ TIME FACTORS
2691. Ogg CS: Parathyroidectomy in the treatment of secondary renal hyperparathyroidism. *Kidney Int* 4:168-73, Aug 73 (56 ref.)
ADULT/ AGE FACTORS/ CALCINOSIS, etiology/ CALCINOSIS, prevention & control/ CHILD, PRESCHOOL/ DIHYDROTACHYSTEROL, therapeutic use/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, drug therapy/ *HYPERPARATHYROIDISM, SECONDARY, surgery/ HYPERPLASIA, pathology/ KIDNEY, transplantation/ *KIDNEY FAILURE, CHRONIC, complications/ PARATHYROID GLANDS, pathology/ *PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, secretion/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ PRURITUS, etiology/ REVIEW/ TRANSPLANTATION, HOMOLOGOUS/ VITAMIN D, therapeutic use
2692. Ogihara T, Yamamoto T, Azukizawa M, et al: Serum thyrotropin and thyroid hormones in the course of subacute thyroiditis. *J Clin Endocrinol Metab* 37:802-6, Oct 73
ADULT/ FEMALE/ HUMAN/ IODINE

AUTHOR SECTION

- ISOTOPES, DIAGNOSTIC/ MIDDLE AGE/
PROTEIN-BOUND IODINE TEST/
*THYROIDITIS, blood/ *THYROTROPIN,
blood/ THYROTROPIN, diagnostic use/
*THYROXINE, blood/ TIME FACTORS/
*TRIIODOTHYRONINE, blood
2693. Oglivie BM, Jones VE: Immunity in the parasitic relationship between helminths and hosts. *Prog Allergy* 17:93-144, 1973
AMINES, physiology/ ANIMAL
EXPERIMENTS/ ANTIGENS/ CESTODA,
immunology/ CESTODE INFECTIONS,
immunology/ IGE/ IMMUNE TOLERANCE/
*IMMUNITY/ IMMUNITY, CELLULAR/
LACTATION/ NEMATODE INFECTIONS,
immunology/ NEMATODE INFECTIONS,
metabolism/ PARASITES, immunology/
*PARASITIC DISEASES, immunology/
PREGNANCY/ RATS/ SCHISTOSOMA
MANSONI, immunology/ SCHISTOSOMIASIS,
immunology/ THYMUS GLAND, immunology
2694. Oglesby MW, Rosenberg J, Winter JC: Behavioral and biochemical effects of chronic administration of bromide in the rat. *Psychopharmacologia* 32:85-92, 22 Aug 73
ANIMAL EXPERIMENTS/ *BEHAVIOR,
ANIMAL, drug effects/ BROMIDES,
administration & dosage/ BROMIDES, blood/
*BROMIDES, pharmacodynamics/ FEMALE/
HALF-LIFE/ NOREPINEPHRINE/ RATS/
REINFORCEMENT (PSYCHOLOGY)/
SEROTONIN
2695. Ogo T, Tanaka K: Studies on the central action of 2-methylamino-methyl 2,3-dihydrobenzofuran (EPS-4032). I. EEG studies in rabbits. *Jap J Pharmacol* 23:271-3, Apr 73
*ANALGESICS AND ANTIPYRETICS,
pharmacodynamics/ ANIMAL EXPERIMENTS/
*BENZOFURANS, pharmacodynamics/ *BRAIN,
drug effects/ DENTAL PULP, physiology/
ELECTRIC STIMULATION/
ELECTROENCEPHALOGRAPHY/
HYPOTHALAMUS, physiology/
METHYLAMINES, pharmacodynamics/
RABBITS/ RETICULAR FORMATION,
physiology/ SCIATIC NERVE, physiology/
THALAMUS, physiology
2696. O'Hare MJ: Corticosterone metabolism by rat adrenocortical cell suspensions and monolayer cultures: the effect of damage on 11-dehydrogenase activity. *J Endocrinol* 59:141-50, Oct 73
*ADRENAL GLANDS, enzymology/ ANIMAL
EXPERIMENTS/ CELL AGGREGATION/ CELL
MEMBRANE PERMEABILITY/ CELL
SURVIVAL/ CELLS, CULTURED/
CHROMATOGRAPHY, THIN LAYER/
*CORTICOSTERONE, metabolism/
CORTICOTROPIN, metabolism/
*HYDROXYSTEROID DEHYDROGENASES,
metabolism/ HYDROXYSTERIODS, metabolism/
IN VITRO/ KETOSTEROIDS, metabolism/
MALE/ PREGNANES, metabolism/ RATS/
SUSPENSIONS/ TRITIUM
2697. O'Hare MJ, Neville AM: Steroid metabolism by adult rat adrenocortical cells in monolayer culture. *J Endocrinol* 58:447-62, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ *ADRENAL CORTEX
HORMONES, metabolism/ *ADRENAL
GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ CELLS, CULTURED/
CHROMATOGRAPHY, THIN LAYER/
CORTICOSTERONE, biosynthesis/
CORTICOTROPIN, metabolism/ CULTURE
MEDIA/ 17-HYDROXYCORTICOSTEROIDS,
biosynthesis/ HYDROXYPROGESTERONE,
biosynthesis/ HYDROXYSTEROID
DEHYDROGENASES, metabolism/ MALE/
PREGNANEDIOL, biosynthesis/
PREGNENOLONE, metabolism/
PROGESTERONE, biosynthesis/ RATS/
STIMULATION, CHEMICAL/ TRITIUM
2698. Ohlenroth G, Steffen U, Mönkemeyer D: Proliferative Wirkung des Oestrals am Endometrium corporis uteri: Vergleich mit 17 beta-Oestradiol. *Gynaekol Rundsch* 13:155-60, 1973 (Ger)
CASTRATION/ *CELL DIVISION,
drug effects/ COMPARATIVE STUDY/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*ENDOMETRIUM, drug effects/ *ESTRADIOL,
pharmacodynamics/ *ESTRIOL,
pharmacodynamics/ FEMALE/ RATS
2699. Ohlson L: Ovarian vessels and ureter as indicators of the expansion of the uterus in pregnancy. A roentgenographic and statistical investigation. *Acta Radiol [Diagn] (Stockh)* 14:467-90, Jul 73
ANGIOGRAPHY/ ARTERIES/ DILATATION/
FEMALE/ HUMAN/ LATERALITY/
MESENTERIC ARTERIES, anatomy &
histology/ OVARY, anatomy & histology/
*OVARY, blood supply/ OVARY, radiography/
PLACENTA, anatomy & histology/
PREGNANCY/ PUERPERIUM/ REGIONAL
BLOOD FLOW/ TIME FACTORS/ *URETER,
anatomy & histology/ URETER, radiography/
UTERUS, anatomy & histology/ *UTERUS,
physiology/ UTERUS, radiography/ VEINS
2700. Ohman-James C: Cytology and cytochemistry of the scolex gland cells in *Diphyllbothrium ditremum* (Creplin, 1825). *Z Parasitenkd* 42:77-86, 3 Aug 73
ALKALINE PHOSPHATASE/ ANIMAL
EXPERIMENTS/ CELL MEMBRANE/ CELL
NUCLEUS/ CELLULAR INCLUSIONS/
CHROMATIN/ DIPHYLLOTHRIUM, anatomy
& histology/ *DIPHYLLOTHRIUM, cytology/
*ENDOCRINE GLANDS, cytology/ ENDOCRINE
GLANDS, physiology/ ENDOPLASMIC
RETICULUM/ *EXOCRINE GLANDS, cytology/
EXOCRINE GLANDS, physiology/ GOLGI
APPARATUS/ HISTOCYTOCHEMISTRY/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
PROTEINS, analysis
2701. Olde M: Effects of hypophysectomy and environmental salts on intestinal alkaline phosphatase of the eel in relation to sea water adaptation. *Comp Biochem Physiol [A]* 46:647-51, 1 Dec 73
ADAPTATION, PHYSIOLOGICAL/ *ALKALINE
PHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ CALCIUM, pharmacodynamics/
CHLORIDES, pharmacodynamics/
COMPARATIVE STUDY/ *EELS, metabolism/
FRESH WATER/ HYPOPHYSECTOMY/
INTESTINAL MUCOSA, drug effects/
INTESTINAL MUCOSA, enzymology/
INTESTINES, drug effects/ *INTESTINES,
enzymology/ MAGNESIUM, pharmacodynamics/
*PITUITARY GLAND, physiology/ POTASSIUM
CHLORIDE, pharmacodynamics/ *SEAWATER/
SODIUM CHLORIDE, pharmacodynamics
2702. Olde M: Role of alkaline phosphatase in intestinal water absorption by eels adapted to sea water. *Comp Biochem Physiol [A]* 46:639-45, 1 Dec 73
*ALKALINE PHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ BODY FLUIDS, metabolism/
BORATES, pharmacodynamics/ CALCIUM,
blood/ CALCIUM, metabolism/ CYSTEINE,
pharmacodynamics/ EDTA, pharmacodynamics/
*EELS, metabolism/ FRESH WATER/
HYDROGEN-ION CONCENTRATION/
HYPOPHYSECTOMY/ INTESTINAL
ABSORPTION/ INTESTINES, drug effects/
INTESTINES, enzymology/ OSMOLAR
CONCENTRATION/ OUABAIN,
pharmacodynamics/ PITUITARY GLAND,
physiology/ POTASSIUM, blood/ POTASSIUM,
metabolism/ *SEAWATER/ SODIUM, blood/
SODIUM, metabolism/ *WATER, metabolism
2703. Olshi T, Lauber JK: Photoreception in the photosexual response of quail. II. Effects of intensity and wavelength. *Am J Physiol* 225:880-6, Oct 73
ANIMAL EXPERIMENTS/ BLINDNESS,
physiopathology/ *LIGHT/ MALE/ PHOTIC
STIMULATION/ *PHOTORECEPTORS,
physiology/ PINEAL BODY, physiology/
*QUAIL, physiology/ TESTIS
2704. Okada S: Studies on tissue-specific antigens and cellular membranes. *Acta Pathol Jap* 23:249-51, May 73

AUTHOR SECTION

- ANTIGENIC DETERMINANTS/ *ANTIGENS, analysis/ CATTLE, immunology/ CELL MEMBRANE, immunology/ GEL DIFFUSION TESTS/ HEMAGGLUTINATION TESTS/ HUMAN/ *LIPOPROTEINS, analysis/ PEROXIDASES/ THYROID GLAND, immunology
2705. Okada Y, Kitamura K, Baba Y, et al: Luteinizing hormone-releasing hormone analogs lacking N-terminal pGlu ring structure. *Biochem Biophys Res Commun* 53:1180-6, 21 Aug 73
ACYLATION/ ALANINE, chem synthesis/ ALANINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CHEMISTRY/ ESTROGENS, pharmacodynamics/ FEMALE/ GLUTAMATES/ GLYCINE, chem synthesis/ GLYCINE, pharmacodynamics/ LH, blood/ LH, metabolism/ *LH-FSH RELEASING HORMONE, chem synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ OVARY, physiology/ PEPTIDES, chem synthesis/ PEPTIDES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP
2706. Okano K, Yamashita K, Kyo S, et al: Electron microscopic studies on various types of inclusions found in autopsy cases. II. Spironolactone inclusion body in autopsy cases and its experimental studies on rhesus monkey. *Med J Osaka Univ* 23:111-20, Dec 72
ADRENAL GLANDS, analysis/ *ADRENAL GLANDS, cytology/ ADULT/ ANIMAL EXPERIMENTS/ AUTOPSY/ CELLULAR INCLUSIONS, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MACACA/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MONKEYS/ *SPIRONOLACTONE, analysis/ SPIRONOLACTONE, pharmacodynamics
2707. Oke OL: Rickets in developing countries. *World Rev Nutr Diet* 15:86-103, 1972 (59 ref.)
ADULT/ ANIMAL EXPERIMENTS/ CALCIUM METABOLISM DISORDERS/ CHILD/ CHILD, PRESCHOOL/ *DEVELOPING COUNTRIES/ ERGOCALCIFEROL, metabolism/ ERGOSTEROL, metabolism/ FISH LIVER OILS/ HUMAN/ INFANT/ OSTEOMALACIA/ PHOSPHORUS, metabolism/ REVIEW/ *RICKETS/ SUNLIGHT/ VITAMIN D DEFICIENCY
2708. Oke OL: Yam--a valuable source of food and drugs. *World Rev Nutr Diet* 15:156-84, 1972 (59 ref.)
AFRICA/ AGRICULTURE/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, analysis/ CORTISONE, chem synthesis/ DIETARY CARBOHYDRATES/ FOOD/ FOOD PRESERVATION/ HUMAN/ NIGERIA/ NUTRITION/ PLANT PROTEINS/ *PLANTS, MEDICINAL/ RATS/ REVIEW/ RIBOFLAVIN, analysis/ SAPONINS, analysis/ TEMPERATURE/ *VEGETABLES/ VEGETABLES, analysis/ VITAMIN A, analysis
2709. O'Keeffe R, Brooksbank BW: Determination of 3-methoxy-4-hydroxyphenylethylene glycol, a noradrenaline metabolite, in cerebrospinal fluid and urine. *Clin Chem* 19:1031-5, Sep 73
ADOLESCENCE/ ADULT/ AFFECTIVE DISTURBANCES, cerebrospinal fluid/ AGED/ CHILD/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ EVALUATION STUDIES/ GLUCURONIDASE/ *GLYCOLS, cerebrospinal fluid/ GLYCOLS, urine/ HUMAN/ METHODS/ METHOXYHYDROXYPHENYL GLYCOL, cerebrospinal fluid/ METHOXYHYDROXYPHENYL GLYCOL, urine/ MIDDLE AGE/ MOLLUSCA, enzymology/ NERVOUS SYSTEM DISEASES, cerebrospinal fluid/ *NOREPINEPHRINE, metabolism/ SULFATASES/ TIME FACTORS
2710. Oids PJ, Stern S, Biggers JD: Chemical estimates of the RNA and DNA contents of the early mouse embryo. *J Exp Zool* 186:39-46, Oct 73
ANIMAL EXPERIMENTS/ BLASTOCYST, analysis/ *DNA, analysis/ *EMBRYO, analysis/ FEMALE/ FERTILIZATION/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ MICE/ OVULATION, drug effects/ OVUM, analysis/ *RNA, analysis/ SPERMATOZOA, analysis
2711. Oler A, Iannaccone PM, Gordon GB: Suppression of growth of L cells in suspension culture by dibutyladenosine 3',5'-monophosphate. *In Vitro* 9:35-8, Jul-Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AGGLUTINATION TESTS/ CELL COUNT/ *L CELLS, drug effects/ L CELLS, immunology/ L CELLS, metabolism/ MICE/ PROTEINS, biosynthesis/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS
2712. Oliver JT, Birmingham MK, Bartova A, et al: Hypertensive action of 18-hydroxydeoxycorticosterone. *Science* 182:1249-51, 21 Dec 73
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ COMPARATIVE STUDY/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, physiology/ CORTICOTROPIN, secretion/ *DESOXYCORTICOSTERONE, pharmacodynamics/ *HYDROXYCORTICOSTEROIDS, pharmacodynamics/ HYPERTENSION, etiology/ MALE/ ORGAN WEIGHT/ RATS/ STRESS, metabolism
2713. Olivereau M, Lemolne AM: Effet de la 2-Br-alpha-ergocryptine (CB 154) sur la sécrétion de prolactine chez l'anguille. *C R Acad Sci [D] (Paris)* 276:1883-6, 19 Mar 73 (Fre)
ANGUILLA/ ANIMAL EXPERIMENTS/ BROMINE/ CELL NUCLEOLUS, drug effects/ COMPARATIVE STUDY/ DOPA, pharmacodynamics/ *ERGOT ALKALOIDS, pharmacodynamics/ NEURAMINIC ACIDS, analysis/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PROLACTIN, secretion/ SKIN, analysis/ SODIUM, blood
2714. Olivieri G, Tanzarella C: The influence of the nucleolar organizer region on sperm utilization in *Drosophila melanogaster*. *Mol Gen Genet* 124:51-6, 31 Jul 73
ANIMAL EXPERIMENTS/ *CELL NUCLEOLUS/ *DROSOPHILA MELANOGASTER, cytology/ FEMALE/ GENOTYPE/ MALE/ SEX CHROMOSOMES/ *SPERMATOZOA/ TIME FACTORS
2715. Olivieri-Sangiuliano C: Ultrastructural features of pituitary in the neural lobe of adult rats. *Experientia* 29:1119-20, 15 Sep 73
ANIMAL EXPERIMENTS/ CYTOPLASM/ FEMALE/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, cytology/ MALE/ MICROSCOPY, ELECTRON/ ORGANOID/ *PITUITARY GLAND, POSTERIOR, cytology/ RATS
2716. Olsen DE, Seabloom RW: Adrenocortical response to captivity in *Microtus pennsylvanicus*. *J Mammal* 54:779-81, Aug 73
ADAPTATION, PHYSIOLOGICAL/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *RODENTS, physiology
2717. Olsnes S: Genaktivering og mRNA-syntese i høyere organismer. *Tidsskr Nor Laegeforen* 93:1230-5, 10 Jun 73 (19 ref.) (Nor)
ANIMAL EXPERIMENTS/ CHICKENS/ CYTOPLASM, metabolism/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ *GENES, REGULATOR/ KIDNEY, metabolism/ MICE/ MODELS, BIOLOGICAL/ OVIDUCTS, metabolism/ RECEPTORS, HORMONE/ REVIEW/ RNA, BACTERIAL, metabolism/ *RNA, MESSENGER, biosynthesis/ STANOLONE, metabolism
2718. O'Moore BC: Plasma renin activity in acromegaly.

AUTHOR SECTION

- J Ir Med Assoc 66:481-3, 15 Sep 73
*ACROMEGALY, blood/ ADULT/ FEMALE/
HUMAN/ MALE/ MIDDLE AGE/ *RENIN,
blood
2719. Onaya T, Yamada T: Thyroidal particulate protein in the synthesis of thyroid hormones: effect of iodide on 131-I distribution among iodoamino acids in iodine-deficient rat thyroids.
Proc Soc Exp Biol Med 143:1062-6, Sep 73
AMINO ACIDS, analysis/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ DEFICIENCY DISEASES, metabolism/ DIIODOTYROSINE, metabolism/ IODINE/ IODINE, metabolism/ *IODINE, pharmacodynamics/ IODINE RADIOISOTOPES/ *IODOTYROSINE, metabolism/ MALE/ PROTEINS, analysis/ RATS/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROXINE, biosynthesis/ TIME FACTORS/ *TRIIODOTHYRONINE, biosynthesis
2720. Ondo JG, Kitay JI: Effects of urethane on pituitary-adrenal function in the rat.
Proc Soc Exp Biol Med 143:894-8, Sep 73
ADRENAL GLANDS, drug effects/ *ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ CORTICOTROPIN, secretion/ *DEXAMETHASONE, pharmacodynamics/ FEEDBACK/ FORMALDEHYDE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ *PITUITARY-ADRENAL SYSTEM, drug effects/ RATS/ *URETHANE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics
2721. Ondřej M: Distribution along X-chromosome of recessive lethals induced by direct and indirect X-radiation effect in *Drosophila*.
Folia Biol (Praha) 19:301-4, 1973
ANIMAL EXPERIMENTS/ DROSOPHILA MELANOGASTER/ FEMALE/ *GENES, LETHAL/ *GENES, RECESSIVE/ MALE/ MUTATION/ OVUM, radiation effects/ *RADIATION GENETICS/ *SEX CHROMOSOMES, radiation effects/ SPERMATOZOA, radiation effects
2722. Ono S: Ancient linkage groups and frozen accidents.
Nature 244:259-62, 3 Aug 73
ANIMAL EXPERIMENTS/ CATTLE/ DOGS/ ECTODERMAL DYSPLASIA, familial & genetic/ *EVOLUTION/ FACTOR VIII, biosynthesis/ FACTOR IX, biosynthesis/ GENES/ GENES, STRUCTURAL/ GLUCOSEPHOSPHATE DEHYDROGENASE, biosynthesis/ GUANINE/ HUMAN/ HYPOXANTHINES/ *LINKAGE (GENETICS)/ MARSUPIALIA/ MICE/ MONKEYS/ MUTATION/ PENTOSYLTRANSFERASES, biosynthesis/ PERISSODACTYLA/ PHOSPHOGLYCERATE KINASE, biosynthesis/ POLYPLOIDY/ RICKETS, familial & genetic/ SELECTION (GENETICS)/ *SEX CHROMOSOMES
2723. Ono S, Hirano H, Obara K: Preventive effect of flavin adinine dinucleotide on induction of adrenal atrophy in rat by dexamethasone.
J Nutr Sci Vitaminol (Tokyo) 19:287-8, 1973
ADRENAL GLAND DISEASES, chemically induced/ *ADRENAL GLAND DISEASES, prevention & control/ ANIMAL EXPERIMENTS/ ATROPHY/ *DEXAMETHASONE, adverse effects/ *FAD, therapeutic use/ MALE/ RATS
2724. Ono S, Hirano H, Obara K: Letter: Presence of steroid-binding macromolecule in the retina.
Exp Eye Res 16:517-8, Sep 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CATTLE/ CHROMATOGRAPHY/ *EYE PROTEINS, isolation & purification/ *HYDROCORTISONE, metabolism/ IN VITRO/ PERFUSION/ *PROTEIN BINDING/ *RETINA, analysis
2725. Opitz J, Pallister PD, Ruddle FH: An (X;14) translocation, balanced, 46 chromosomes. Repository identification No. GM-73.
Cytogenet Cell Genet 12:289-90, 1973
ABORTION, familial & genetic/ ADULT/ BIOPSY/ CELL LINE/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 13-15/ FEMALE/ HUMAN/ KARYOTYPING/ *SEX CHROMOSOMES/ *SKIN, cytology
2726. Opitz J, Pallister PD, Ruddle FH: An (X;14) translocation, unbalanced, 47 chromosomes. Repository identification No. GM-74.
Cytogenet Cell Genet 12:291-2, 1973
BIOPSY/ CELL LINE/ *CHROMOSOME ABERRATIONS/ *CHROMOSOMES, HUMAN, 13-15/ FEMALE/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ PREGNANCY/ *SEX CHROMOSOMES/ *SKIN, cytology
2727. Oram RH, Gane NF: Doubts on the value of serum heat-stable alkaline phosphatase estimations in pregnancy. S Afr Med J 47:2017-8, 27 Oct 73
*ALKALINE PHOSPHATASE, blood/ BIRTH WEIGHT/ *ENZYME TESTS/ FEMALE/ FETAL DEATH, enzymology/ GESTATIONAL AGE/ HEAT/ HUMAN/ HYPERTENSION, enzymology/ INFANT, NEWBORN/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, enzymology/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, enzymology/ PREGNANCY IN DIABETES, enzymology/ PREGNANCY, MULTIPLE/ PREGNANCY TOXEMIAS, enzymology/ TRIPLETS/ TWINS
2728. Ordway NK, Stout LC: Intrauterine growth retardation jaundice, and hypoglycemia in a neonate.
J Pediatr 83:867-74, Nov 73
ABNORMALITIES, MULTIPLE, complications/ *ABNORMALITIES, MULTIPLE, diagnosis/ CASE REPORT/ CECAL DISEASES, pathology/ CHOLESTASIS, pathology/ DWARFISM, complications/ *DWARFISM, diagnosis/ GENITALIA, MALE, pathology/ HUMAN/ HYDROCELE, complications/ HYPERTROPHY, pathology/ HYPOGLYCEMIA, complications/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ INFANT, NEWBORN, DISEASES, pathology/ LIPODYSTROPHY, complications/ *LIPODYSTROPHY, familial & genetic/ LIVER, pathology/ MALE/ MEGACOLON, diagnosis/ MENTAL RETARDATION, complications/ MENTAL RETARDATION, diagnosis/ PANCREAS, pathology/ PROGERIA, complications/ *PROGERIA, diagnosis/ SYNDROME
2729. Orestano F, Knapstein P: Biosynthese und Metabolismus der Steroidhormone im menschlichen Hoden. Urol Int 28:360-3, 1973 (Ger)
ANDROGENS, biosynthesis/ *ANDROGENS, metabolism/ ANDROSTENOLS, biosynthesis/ ANDROSTENOLS, metabolism/ DEHYDROEPIANDROSTERONE, biosynthesis/ DEHYDROEPIANDROSTERONE, metabolism/ ENGLISH ABSTRACT/ ESTRADIOL, biosynthesis/ ESTRADIOL, metabolism/ ESTROGENS, biosynthesis/ *ESTROGENS, metabolism/ ESTRONE, biosynthesis/ ESTRONE, metabolism/ HUMAN/ MALE/ *TESTIS, metabolism/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, metabolism
2730. Orgebin-Crist MC: Maturation of spermatozoa in the rabbit epididymis: effect of castration and testosterone replacement.
J Exp Zool 185:301-10, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL MOVEMENT/ *EPIDIDYMIS, cytology/ FEMALE/ FERTILITY/ FERTILIZATION/ INJECTIONS, INTRAMUSCULAR/ INSEMINATION, ARTIFICIAL/ LIGATION/ MALE/ PREGNANCY/ *RABBITS, physiology/ SPERMATOZOA, cytology/ SPERMATOZOA, drug effects/ *SPERMATOZOA, physiology/ *TESTIS, physiology/ TESTOSTERONE,

AUTHOR SECTION

- administration & dosage/ *TESTOSTERONE, pharmacodynamics
731. Orlandi F, Serra D, Sotgiu G: Electric stimulation of the olfactory mucosa: a new test for the study of the hypothalamic functionality. *Horm Res* 4:141-52, 1973
ADRENAL CORTX HORMONES, blood/
ANOSMIA, blood/ CORTICOTROPIN, blood/
CORTISONE, metabolism/ ELECTRIC STIMULATION/ HUMAN/
11-HYDROXYCORTICOSTEROIDS, blood/
HYPOGLYCEMIA, blood/ *HYPOTHALAMUS, physiology/ *OLFACTORY MUCOSA, physiology
732. Ormoy A: Transplacental effects of estrogen on osteogenesis in rat fetuses. *Pathology* 5:183-8, Jul 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BONE AND BONES, analysis/
BONE AND BONES, drug effects/ BONE RESORPTION, drug effects/ CALCIUM, analysis/
CALCIUM, blood/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/
FEMALE/ FEMUR, cytology/ *FETUS, drug effects/
INJECTIONS, INTRAMUSCULAR/ *MATERNAL-FETAL EXCHANGE/ ORGAN WEIGHT/ OSTEOCLASTS, drug effects/
*OSTEOGENESIS, drug effects/ PHOSPHORUS, analysis/
PLACENTA, drug effects/ PREGNANCY/ RATS/ TIBIA, cytology
733. Orr HC, Probst PG, Rogers JL, et al: Derivation and biologic properties of cell lines from opbidian tissues. *J Natl Cancer Inst* 51:827-32, Sep 73
CELL DIVISION/ *CELL LINE/ CULTURE MEDIA/ DIPLOIDY/ FIBROBLASTS/
FIBROMA/ KIDNEY/ LIVER/ MYOCARDIUM/ *SNAKES/ SPLEEN/ TESTIS/ TISSUE CULTURE
734. Osborne NN, Neuhooff V: Microchromatographic detection of tryptamine in nervous tissue as determined by the dansyl reaction. *Naturwissenschaften* 60:392, Aug 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, THIN LAYER/ CRABS/ DANSYL COMPOUNDS/ MICE/ *NERVE TISSUE, analysis/
PINEAL BODY, analysis/ RATS/ SNAILS/ SPINAL CORD, analysis/
*TRYPTAMINES, analysis
735. Oseld S: Fysisk arbeidskapasitet i puherteten. Fysiologiske forutsetninger, kjønnsforskjeller og påvirkningsmuligheter. *Tidsskr Nor Laegeforen* 93:1007-11, 20 May 73 (Nor)
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ EXERTION/ FEMALE/ HUMAN/ MALE/ NORWAY/ OXYGEN CONSUMPTION/ PHYSICAL EDUCATION AND TRAINING/
*PHYSICAL FITNESS/ *PUBERTY/ SEX FACTORS
736. O'Shea T: Effects of human chorionic gonadotrophin on the incorporation of uridine into nucleotide pools and ribonucleic acid in the reproductive tract of the rabbit doe. *Aust J Biol Sci* 26:937-46, Aug 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BODY FLUIDS, drug effects/
CERVIX UTERI, metabolism/ ENDOMETRIUM, metabolism/ FALLOPIAN TUBES, metabolism/
FEMALE/ *GENITALIA, FEMALE, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ MUCOUS MEMBRANE, metabolism/ *NUCLEOTIDES, biosynthesis/ OVARY, metabolism/
OVULATION/ RABBITS/ *RNA, biosynthesis/ STIMULATION, CHEMICAL/ TRITIUM/
*URIDINE, metabolism/ UTERUS/ UTERUS, metabolism/ VAGINA, metabolism
737. Osmond DH, Ross LJ, Scalfiff KD: Increased renin activity after cold storage of human plasma. *Can J Physiol Pharmacol* 51:705-8, Sep 73
ADULT/ ANGIOTENSIN, blood/
ANGIOTENSIN II, blood/ *BLOOD PRESERVATION/ CHROMATOGRAPHY, ION EXCHANGE/ COLD/ HUMAN/ MALE/
*PLASMA VOLUME/ PROTEIN
- CONFORMATION/ RADIOIMMUNOASSAY/
*RENIN, blood/ TIME FACTORS
2738. Ostertag W, Gaedicke G, Kluge N, et al: Glioblastin messenger in mouse leukemic cells: activity associated with RNA species in the region of 8 to 16 S. *FEBS Lett* 32:219-22, 1 Jun 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ BIOLOGICAL ASSAY/
CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ FROGS/
*GLOBIN, biosynthesis/ *LEUKEMIA, metabolism/ NEOPLASMS, EXPERIMENTAL/
OVARY, metabolism/ PHOSPHORUS RADIOISOTOPES/ *POLYRIBOSOMES, metabolism/ *RNA, MESSENGER, metabolism/
*RNA, RIBOSOMAL, metabolism/ RNA, TRANSFER, metabolism/ SPLEEN, cytology/
SPLEEN, metabolism/ TEMPLATES/
*TRANSLATION, GENETIC
2739. Ostrzeński A: Zespół Steina-Leventhala w świetle badań genetycznych. *Pol Tyg Lek* 28:1260-1, 13 Aug 73 (Pol)
ADULT/ *CYTOGENETICS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/
KARYOTYPING/ SEX CHROMATIN, analysis/
*STEIN-LEVENTHAL SYNDROME, familial & genetic
2740. Otake M, Onaya T, Sato A, et al: Studies on the mechanism of inhibitory action of excess iodide on thyroid hormone secretion. *Proc Soc Exp Biol Med* 144:538-43, Nov 73
ANIMAL EXPERIMENTS/ COLLOIDS/ DIET/ GLUTATHIONE, pharmacodynamics/
HYDROLYSIS/ IODINE RADIOISOTOPES/
MALE/ METHIMAZOLE, pharmacodynamics/
PEPTIDE HYDROLASES, metabolism/
*POTASSIUM IODIDE, pharmacodynamics/
PRONASE, metabolism/ PROPYLTHIOURACIL, pharmacodynamics/ RATS/ THYROGLOBULIN, metabolism/
*THYROID GLAND, drug effects/
THYROID GLAND, enzymology/ THYROID GLAND, secretion/ *THYROID HORMONES, secretion/ THYROTROPIN, pharmacodynamics
2741. Owen AA, Peo ER Jr, Cunningham PJ, et al: Effect of EDTA on utilization of dietary zinc by G-F swine. *J Anim Sci* 37:470-8, Aug 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
BONE AND BONES, analysis/ COPPER, analysis/
COPPER, blood/ DIET/ EDTA, administration & dosage/
*EDTA, pharmacodynamics/ FEMALE/ HAIR, analysis/
LIVER, analysis/ MALE/ *SWINE, metabolism/
ZINC, administration & dosage/
ZINC, analysis/
ZINC, blood/ *ZINC, metabolism
2742. Owen K, Thiessen DD: Regulation of scent marking in the female Mongolian gerbil *Meriones unguiculatus*. *Physiol Behav* 11:441-5, Oct 73
*ANDROSTENEDIONE, pharmacodynamics/
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/
CASTRATION/ ESTRADIOL, physiology/
*ESTROGENS, physiology/ ESTRONE, pharmacodynamics/
EXOCRINE GLANDS, anatomy & histology/
*EXOCRINE GLANDS, drug effects/
FEMALE/ *GERBILS, physiology/
HYDROXYPROGESTERONE, pharmacodynamics/
ORGAN WEIGHT/ PROGESTERONE, pharmacodynamics/
SEX FACTORS/ *TERRITORIALITY/
TESTOSTERONE, pharmacodynamics/
*TESTOSTERONE, physiology/ UTERUS, anatomy & histology/
UTERUS, drug effects
2743. Owen P, Moffat AC: Letter: Variation of cyclic-A.M.P. excretion with urine volume. *Lancet* 2:1205, 24 Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ CIRCADIAN RHYTHM/ DRINKING/ HUMAN/ MALE/ WATER
2744. Ozdzinski W: Differentiation of the genital ridges of mouse embryos in the kidney of adult mice. *Arch Anat Microsc Morphol Exp* 61:267-78, Jul-Sep 72

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION/ FEMALE/ GONADS, growth & development/ *GONADS, transplantation/ MALE/ MICE/ *OVARY, growth & development/ OVUM, growth & development/ SPERMATOGENESIS/ *TESTIS, growth & development/ TRANSPLANTATION, HOMOLOGOUS
2745. Ozon R, Bellé R: Progesterone receptor associated with the "melanosome" fraction of Pleurodeles waltl oocytes (Urodela amphibian). *Biochim Biophys Acta* 320:588-93, 5 Oct 73
- AMPHIBIA/ ANIMAL EXPERIMENTS/ BINDING SITES/ COMPARATIVE STUDY/ DEOXYRIBONUCLEASE, pharmacodynamics/ DIALYSIS/ FERTILIZATION/ KINETICS/ ORGANOIDS, metabolism/ OVUM, cytology/ OVUM, drug effects/ *OVUM, metabolism/ *PROGESTERONE, metabolism/ PRONASE, pharmacodynamics/ PROTEIN BINDING/ *RECEPTORS, HORMONE/ RIBONUCLEASE, pharmacodynamics/ STEROIDS, metabolism/ TEMPERATURE/ TIME FACTORS/ TRITIUM/ ULTRAFILTRATION
- P
2746. Padev AI: Biliannie na estriola vurkbu ekskretsiyata na ratrila i kalila i tlakhnoto nivo v bubrechnata tukan na zhenski plukhove. *Akush Ginekol (Sofia)* 12:191-7, 1973 (Bul)
- ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTRIOL, administration & dosage/ *ESTRIOL, pharmacodynamics/ FEMALE/ KIDNEY, analysis/ *KIDNEY, drug effects/ POTASSIUM, analysis/ *POTASSIUM, urine/ RATS/ SODIUM, analysis/ *SODIUM, urine
2747. Page BM: Identification of chromosome 9 in human male meiosis. *Cytogenet Cell Genet* 12:254-63, 1973
- BIOPSY/ *CHROMOSOMES, HUMAN, 6-12/ CROSSING OVER (GENETICS)/ HUMAN/ KARYOTYPING/ MALE/ *MEIOSIS/ MITOSIS/ POLYMORPHISM (GENETICS)/ *SPERMATOGENESIS/ *TESTIS, cytology
2748. Page FT, Reeves DS: Accelerated auto-infection with *Strongyloides* species complicating terminal carcinomatosis. *Southeast Asian J Trop Med Public Health* 4:256-9, Jun 73
- AUTOPSY/ *CARCINOMA, OAT CELL, complications/ CARCINOMA, OAT CELL, pathology/ HUMAN/ LIVER, pathology/ LIVER NEOPLASMS, complications/ LIVER NEOPLASMS, pathology/ LUNG, pathology/ *LUNG DISEASES, PARASITIC, complications/ *LUNG NEOPLASMS, complications/ LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ SPUTUM, analysis/ STRONGYLOIDES, isolation & purification/ *STRONGYLOIDIASIS, complications/ TIME FACTORS
2749. Pain MC: The treatment of asthma. *Drugs* 6:118-26, 1973
- ADMINISTRATION, TOPICAL/ ADRENAL CORTEX HORMONES, therapeutic use/ AMINOPHYLLINE, therapeutic use/ ASTHMA, complications/ ASTHMA, diagnosis/ *ASTHMA, drug therapy/ BRONCHODILATOR AGENTS, therapeutic use/ DISODIUM CROMOGLYCATE, therapeutic use/ EPINEPHRINE, therapeutic use/ HUMAN/ SYMPATHOMIMETICS, therapeutic use/ TIME FACTORS/ XANTHINES, therapeutic use
2750. Paisley RB, Angers M, Frenk S: Plasma cortisol levels in malnourished children with and without superimposed acute stress. *Arch Dis Child* 48:714-6, Sep 73
- ACIDOSIS, complications/ BLOOD SUGAR/ BODY TEMPERATURE/ CHILD, PRESCHOOL/ GASTROENTERITIS, complications/ HUMAN/ *HYDROCORTISONE, blood/ HYPOGLYCEMIA, complications/ HYPOTHERMIA, complications/ INFANT/ *INFANT NUTRITION DISORDERS, blood/ KWASHIORKOR, blood/ *STRESS, complications
2751. Palkovits M: Isolated removal of hypothalamic or other brain nuclei of the rat. *Brain Res* 59:449-50, 14 Sep 73
- ANIMAL EXPERIMENTS/ *BRAIN, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ METHODS/ RATS
2752. Pail ML: Sexual induction in *Volvox carter*. A quantitative study. *J Cell Biol* 59:238-41, Oct 73
- ANIMAL EXPERIMENTS/ FEMALE/ GONADS, growth & development/ MALE/ *MASTIGOPHORA, physiology/ PROTEINS, physiology/ SEX
2753. Palm D, Pfeiffer RA, Ammermann M, et al: EEG-Befunde bei Turner-Syndrom. *Monatsschr Kinderheilkd* 121:289-92, Jul 73 (Ger)
- ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, GRAND MAL, complications/ FEMALE/ HUMAN/ KARYOTYPING/ MOSAICISM/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, diagnosis
2754. Palmer FB: Lipids of *Crithidia fasciculata*. The occurrence and turnover of phosphoinositides. *Biochim Biophys Acta* 316:296-304, 25 Sep 73
- ANIMAL EXPERIMENTS/ CEPHALINS, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ ERGOSTEROL, analysis/ LECITHINS, analysis/ PHOSPHOINOSITIDES, analysis/ *PHOSPHOINOSITIDES, metabolism/ PHOSPHOLIPIDS, metabolism/ PHOSPHORUS RADIOISOTOPES/ PROTOZOA, analysis/ *PROTOZOA, metabolism/ TIME FACTORS/ TRIGLYCERIDES, analysis
2755. Palmiter RD: Rate of ovalbumin messenger ribonucleic acid synthesis in the oviduct of estrogen-primed chicks. *J Biol Chem* 248:8260-70, 10 Dec 73
- ANIMAL EXPERIMENTS/ BENZOATES, pharmacodynamics/ CHICKENS/ CHROMOSOMES/ DNA, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GENES/ HALF-LIFE/ HAPLOIDY/ KINETICS/ MATHEMATICS/ *OVALBUMIN, biosynthesis/ OVIDUCTS, cytology/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/ OVIPOSITION/ POLYRIBOSOMES, drug effects/ *POLYRIBOSOMES, metabolism/ *RNA, MESSENGER, biosynthesis/ RNA, RIBOSOMAL, biosynthesis/ TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC/ TRITIUM/ URIDINE, metabolism
2756. Pals DT, Masucci FD: Plasma renin and the antihypertensive effect of 1-Sar-8-Ala-angiotensin II. *Eur J Pharmacol* 23:115-9, Jul 73
- ANGIOTENSIN, therapeutic use/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BLOOD UREA NITROGEN/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HYPERTENSION, RENAL, drug therapy/ *RENIN, blood
2757. Panchenko VM, Antonidze AV: Svertyvaemost' krovi u bol'nykh toksicheskim zobom. *Probl Endokrinol (Mosk)* 19:22-7, Sep-Oct 73 (Rus)
- ADULT/ AGED/ *BLOOD COAGULATION, drug effects/ ENGLISH ABSTRACT/ FEMALE/ FIBRIN, analysis/ FIBRINOGEN, analysis/ FIBRINOLYSIS/ *GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, drug therapy/ HEPARIN, analysis/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ METHIMAZOLE, therapeutic use/ MIDDLE AGE/ THROMBELASTOGRAPHY
2758. Panchenko VM, Kudriashov BA, Liapina LA, et al: C nefermentativnom fibrinolize pri toksicheskom zobe. *Klin Med (Mosk)* 51:92-8, Mar 73 (Rus)
- BLOOD COAGULATION/ ENGLISH ABSTRACT/ FIBRINOGEN, analysis/ *FIBRINOLYSIS/ HEPARIN, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, radiotherapy/ IODINE

AUTHOR SECTION

- RADIOISOTOPES, therapeutic use/ THYROID GLAND FUNCTION TESTS
2759. Pandya NJ: Experimental production of "cauliflower ear" in rabbits. *Plast Reconstr Surg* 52:534-7, Nov 73
ANIMAL EXPERIMENTS/ BIOPSY/ CALCIFICATION, PHYSIOLOGIC/ CARTILAGE, metabolism/ COLLAGEN, metabolism/ *DISEASE MODELS, ANIMAL/ EAR, cytology/ EAR DEFORMITIES, ACQUIRED, complications/ *EAR DEFORMITIES, ACQUIRED, etiology/ EAR DEFORMITIES, ACQUIRED, pathology/ EAR DEFORMITIES, ACQUIRED, surgery/ *EAR, EXTERNAL, Injuries/ EDEMA, etiology/ FIBROBLASTS/ HEMATOMA, etiology/ HEMATOMA, pathology/ HEMATOMA, surgery/ HEMOSIDERIN, metabolism/ MACROPHAGES/ *RABBITS/ TIME FACTORS
2760. Panksepp J, Jalowiec JE, Morgane PJ, et al: Noradrenergic pathways and sleep-waking states in cats. *Exp Neurol* 41:233-45, Nov 73
ANIMAL EXPERIMENTS/ AROUSAL, drug effects/ BRAIN STEM, metabolism/ CATS/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ *CEREBRAL CORTEX, physiology/ CORPUS STRIATUM, metabolism/ DEXTRO AMPHETAMINE, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ EYE MOVEMENTS/ FEMALE/ *GENICULATE BODIES, physiology/ *HIPPOCAMPUS, physiology/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, metabolism/ *NOREPINEPHRINE, metabolism/ OCULOMOTOR MUSCLES, physiology/ *SEROTONIN, metabolism/ *SLEEP/ SLEEP, REM/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ *WAKEFULNESS
2761. Pannbacker RG: Control of guanylate cyclase activity in the rod outer segment. *Science* 182:1138-40, 14 Dec 73
ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CATTLE/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ GUANOSINE TRIPHOSPHATE, metabolism/ *GUANYL CYCLASE, metabolism/ IN VITRO/ KINETICS/ LIGHT/ PHOSPHORUS RADIOISOTOPES/ *RODS AND CONES, enzymology
2762. Papadatos C: Proceedings: Immunoglobulin levels in postmature newborns. *Arch Dis Child* 48:826, Oct 73
GESTATIONAL AGE/ HUMAN/ *IMMUNOGLOBULINS, analysis/ *INFANT, NEWBORN/ PLACENTA DISORDERS, Immunology/ PREGNANCY
2763. Papagni L: Quadri radiologica del plasmocitoma osseo. *Minerva Med* 64:2893-920, 21 Jul 73 (Ita)
AGED/ *BONE AND BONES, radiography/ *BONE NEOPLASMS, radiography/ CLAVICLE, radiography/ DIAGNOSIS, DIFFERENTIAL/ FRACTURES, SPONTANEOUS, radiography/ HUMAN/ HUMERUS, radiography/ LUMBAR VERTEBRAE, radiography/ MANDIBLE, radiography/ MIDDLE AGE/ *MULTIPLE MYELOMA, radiography/ OSTEOPOROSIS, radiography/ PELVIS, radiography/ PLASMACYTOMA, radiography/ SKULL, radiography/ SPINE, radiography
2764. Papkoff H, Sairam MR, Farmer SW, et al: Studies on the structure and function of interstitial cell-stimulating hormone. *Recent Prog Horm Res* 29:563-90, 1973
ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ FEMALE/ GLYCERIN, biosynthesis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *LH, analysis/ LH, metabolism/ LH, pharmacodynamics/ NITRATES/ OVARY, drug effects/ OVARY, metabolism/ PEPTIDE FRAGMENTS, metabolism/ RATS/ SHEEP/ SPECIES SPECIFICITY
2765. Paprocka-Slonka E, Kuratowska Z: Wpływ niektórych stymulatorów erytropoezy na regenerację układu czerwono krwinkowego u szczurów po napromienieniu całego ciała dawką subletalną promieni rentgenowskich. *Acta Haematol Pol* 4:247-53, Jul-Sep 73 (Pol)
ANIMAL EXPERIMENTS/ CHLORIDES, pharmacodynamics/ COBALT, pharmacodynamics/ ENGLISH ABSTRACT/ *ERYTHROCYTES, physiology/ ERYTHROCYTES, radiation effects/ ERYTHROPOIETIN, pharmacodynamics/ FEMALE/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS/ *REGENERATION/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS
2766. Paramelle B, Perdrix A: Traitement et surveillance des grandes insuffisances respiratoires chroniques. *Sem Hop Paris* 49:2155-8, 20 Jun 73 (Fre)
ANTIBIOTICS, therapeutic use/ BREATHING EXERCISES/ BRONCHODILATOR AGENTS, therapeutic use/ CAFFEINE, therapeutic use/ CHRONIC DISEASE/ EXPECTORANTS, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ KYPHOSIS, complications/ *LUNG DISEASES, OBSTRUCTIVE, therapy/ OXYGEN INHALATION THERAPY/ PNEUMOCOONIOSIS, complications/ RESPIRATION, ARTIFICIAL/ RESPIRATORY INSUFFICIENCY, etiology/ *RESPIRATORY INSUFFICIENCY, therapy/ SCOLIOSIS, complications/ THEOPHYLLINE, therapeutic use
2767. Parboosingh J, Doig A, Michie EA: Renal excretion of water and solutes during the normal menstrual cycle. *J Obstet Gynaecol Br Commonw* 80:978-83, Nov 73
ADULT/ BODY TEMPERATURE/ CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ *KIDNEY, metabolism/ *MENSTRUATION/ OVULATION/ POTASSIUM, urine/ PREGNANEDIOL, urine/ SODIUM, urine/ UREA, urine/ *WATER, metabolism
2768. Parikh I, Cuatrecasas P: Substrate analog competitive inhibitors of human renin. *Biochem Biophys Res Commun* 54:1356-61, 15 Oct 73
AMINO ACIDS, analysis/ BINDING, COMPETITIVE/ CHROMATOGRAPHY/ HUMAN/ IODINE RADIOISOTOPES/ PEPTIDES, chem synthesis/ PEPTIDES, pharmacodynamics/ *RENIN, antagonists & inhibitors
2769. Parker AH: Pheochromocytoma. A case report and review of literature. *East Afr Med J* 50:286-93, Jun 73
CHILD/ FEMALE/ HEADACHE, etiology/ HUMAN/ HYDRONEPHROSIS, etiology/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, surgery/ *RETROPERITONEAL NEOPLASMS, diagnosis/ RETROPERITONEAL NEOPLASMS, surgery/ SWEATING
2770. Parker JL, Lawson DH: Death from thyrotoxicosis. *Lancet* 2:894-5, 20 Oct 73
ADULT/ AGE FACTORS/ AGED/ *DEATH, SUDDEN/ DIGOXIN, therapeutic use/ DIURETICS, therapeutic use/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ HEART FAILURE, CONGESTIVE, complications/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, mortality/ HYPERTHYROIDISM, radiotherapy/ HYPERTHYROIDISM, surgery/ IODINE RADIOISOTOPES, administration & dosage/ IODINE RADIOISOTOPES, adverse effects/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PROGNOSIS/ PULMONARY EMBOLISM, complications/ SEX FACTORS/ TACHYCARDIA, complications/ THYROID CRISIS, complications
2771. Parker LN, Beisky JL, Mandal T, et al: Serum thyrotropin level and goiter in relation to childhood exposure to atomic radiation.

AUTHOR SECTION

- J Clin Endocrinol Metab 37:797-804, Nov 73
*ATOMIC WARFARE/ FEMALE/ *GOITER, etiology/ HUMAN/ JAPAN/ MALE/ RADIATION DOSAGE/ *RADIATION INJURIES/ RADIOIMMUNOASSAY/ *THYROID GLAND, radiation effects/ *THYROTROPIN, blood
2772. Parshkov EM: K voprosu o supraoptiko-1 paraventrrikulo-glipofizarnom trakte. Prohl Endokrinol (Mosk) 19:47-52, Sep-Oct 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ NEUROSECRETION/ RATS
2773. Partanen S, Hervonen A: Monoamine-containing structures in the hypothalamo-hypophyseal system in the human fetus. Z Anat Entwicklungsgesch 140:53-60, 30 May 73
*CATECHOLAMINES, analysis/ FEMALE/ FETUS/ FLUORESCENCE/ GESTATIONAL AGE/ HISTOCYTOCHEMISTRY/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, embryology/ MALE/ PITUITARY GLAND, analysis/ PITUITARY GLAND, embryology/ PREGNANCY
2774. Pascual RS, Gee JB, Finch SC: Usefulness of serum lysozyme measurement in diagnosis and evaluation of sarcoidosis. N Engl J Med 289:1074-6, 15 Nov 73
ADRENAL CORTEX HORMONES, therapeutic use/ *ENZYME TESTS/ FEMALE/ HUMAN/ MALE/ *MURAMIDASE, blood/ REMISSION/ SARCOIDOSIS, blood/ *SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, enzymology/ SARCOIDOSIS, pathology/ SPLEEN, pathology/ SPLENIC DISEASES, diagnosis
2775. Pascual-Castroviejo I, Junco Aguado E: Gigantismo cerebrale. Studio clinico e histologico di 5 casi. Minerva Pediatr 25:1245-54, 1 Sep 73 (Ita)
*ABNORMALITIES, MULTIPLE/ *ACROMEGALY, complications/ *BRAIN DISEASES, diagnosis/ CHILD/ CHILD, PRESCHOOL/ EAR, abnormalities/ ENGLISH ABSTRACT/ EYE, abnormalities/ FEMALE/ *GIGANTISM, diagnosis/ *GROWTH DISORDERS, diagnosis/ HUMAN/ INFANT/ MALE/ MENTAL RETARDATION
2776. Pasley JN, McKinney TD: Grouping and ovulation in *Microtus pennsylvanicus*. J Reprod Fertil 34:527-30, Sep 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ COITUS/ CORPUS LUTEUM, anatomy & histology/ FEMALE/ MALE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVULATION/ *RODENTS, physiology/ UTERUS, anatomy & histology
2777. Pastera E: Contribution à l'étude macroscopique de l'innervation et de la vascularisation des glandes surrénales chez le boeuf. Anat Anz 134:120-6, 1973 (Fre)
ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, embryology/ *ADRENAL GLANDS, innervation/ ANIMAL EXPERIMENTS/ ARTERIES, anatomy & histology/ *CATTLE, anatomy & histology/ FEMALE/ FETUS/ MALE/ SPLANCHNIC NERVES, anatomy & histology/ VEINS, anatomy & histology
2778. Pateluk VG, Kuznik BI, Kuz'min VG: Lechenie bolezni Botkina geparinom. Klin Med (Mosk) 51:113-7, Mar 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ BLOOD COAGULATION DISORDERS, drug therapy/ BLOOD COAGULATION DISORDERS, etiology/ EPISTAXIS, etiology/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HEMORRHAGE, etiology/ *HEPARIN, therapeutic use/ HEPATITIS, INFECTIOUS, complications/ *HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ MALE/ MIDDLE AGE
2779. Patel YC, Pharoah PO, Hornabrook RW, et al: Serum triiodothyronine, thyroxine and thyroid-stimulating hormone in endemic goiter: a comparison of goitrous and nongoitrous subjects in New Guinea. J Clin Endocrinol Metab 37:783-9, Nov 73
ADOLESCENCE/ ADULT/ BINDING, COMPETITIVE/ CHILD/ FEMALE/ *GOITER, ENDEMIC, blood/ HUMAN/ MALE/ MIDDLE AGE/ NEW GUINEA/ PREGNANCY/ RADIOIMMUNOASSAY/ THYROGLOBULIN, blood/ *THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood
2780. Pathak CL: Revival of isolated hearts stopped with alcohol and glucocorticoids by nicotine and acetylcholine. Jap Heart J 14:296-305, Jul 73
*ACETYLCHOLINE, pharmacodynamics/ *ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATECHOLAMINES, secretion/ CORTISONE, pharmacodynamics/ FROGS/ *GLUCOCORTICOIDS, pharmacodynamics/ *HEART, drug effects/ HEART RATE, drug effects/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ *NICOTINE, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ RABBITS
2781. Pathak MA, Fitzpatrick TB: Lichtsensibilisierung durch Medikamente. Internist (Berlin) 14:339-44, Jul 73 (Ger)
AMINO BENZOIC ACID, adverse effects/ ANTIBIOTICS, adverse effects/ COAL TAR, adverse effects/ COSMETICS, adverse effects/ DRUG HYPERSENSITIVITY/ *DRUGS, adverse effects/ EDEMA/ ESTROGENS, adverse effects/ HUMAN/ *PHOTOSENSITIZATION, chemically induced/ PHOTSENSITIZATION, diagnosis/ PHOTSENSITIZATION, drug therapy/ PHOTSENSITIZATION, etiology/ PORPHYRIA, complications/ SALICYLAMIDES, adverse effects/ SULFONAMIDES, adverse effects/ SULFONYLUREA COMPOUNDS, adverse effects/ SUNBURN/ TIME FACTORS
2782. Patkowski J, Gleidanowski J: Effect of immunotropic drugs on adrenocortical functions. Acta Physiol Pol 24:561-70, Jul-Aug 73
ACRIDINES, pharmacodynamics/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ ANILINE COMPOUNDS, administration & dosage/ ANILINE COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BENZYL COMPOUNDS, administration & dosage/ BENZYL COMPOUNDS, pharmacodynamics/ DIMETHYLAMINES, pharmacodynamics/ GLUCOCORTICOIDS, urine/ GLYCOPROTEINS, blood/ IMIDAZOLES, administration & dosage/ IMIDAZOLES, pharmacodynamics/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ LETHAL DOSE 50/ LEUKOCYTE COUNT/ MALE/ MINERALOCORTICOIDS, urine/ NITRO COMPOUNDS, pharmacodynamics/ RABBITS/ TIME FACTORS
2783. Paton JB, Fisher DE, DeLannoy CW, et al: Umbilical blood flow, cardiac output, and organ blood flow in the immature baboon fetus. Am J Obstet Gynecol 117:560-6, 15 Oct 73
ACID-BASE EQUILIBRIUM/ ANIMAL EXPERIMENTS/ ANTIPYRINE, metabolism/ *BABOONS/ BLOOD PRESSURE/ BRAIN, blood supply/ *CARDIAC OUTPUT/ FEMALE/ FETAL HEART, physiology/ *FETUS/ GASTROINTESTINAL SYSTEM, blood supply/ GESTATIONAL AGE/ HEART RATE/ KIDNEY, blood supply/ LIVER, blood supply/ MATERNAL-FETAL EXCHANGE/ MONKEYS/ ORGAN WEIGHT/ PLACENTA, metabolism/ PREGNANCY/ REGIONAL BLOOD FLOW/ *UMBILICAL, blood supply
2784. Patouillard P, Vanneville G: Les parous du sinus caverneux. Neurochirurgie 18:551-60, Dec 72 (Fre)
*CAVERNOUS SINUS, anatomy & histology/ CAVERNOUS SINUS, embryology/ CAVERNOUS SINUS, innervation/ CAVERNOUS SINUS, radiography/ DURA

AUTHOR SECTION

- MATER, anatomy & histology/ DURA MATER, embryology/ ENGLISH ABSTRACT/ HUMAN/ PITUITARY GLAND, anatomy & histology
2785. Patrick G, Stirling C: The dependence of calcium influx into rat intestine on sugars and alkali metals. Arch Int Physiol Biochim 81:453-67, Sep 73
AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ FRUCTOSE, pharmacodynamics/ GALACTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ *HEXOSE, pharmacodynamics/ IN VITRO/ INTESTINES, drug effects/ *INTESTINES, metabolism/ LACTOSE, pharmacodynamics/ MALE/ MALTOSE, pharmacodynamics/ MANNITOL, pharmacodynamics/ MANNOSE, pharmacodynamics/ OUABAIN, pharmacodynamics/ PHLORHIZIN, pharmacodynamics/ *POTASSIUM, pharmacodynamics/ RATS/ *SODIUM, pharmacodynamics/ SUCROSE, pharmacodynamics/ TIME FACTORS
2786. Patrono C: Radioimmunoassay of prostaglandin F2alpha in unextracted human plasma. J Nucl Biol Med 17:25-9, Jan-Mar 73
ABORTION, blood/ FEMALE/ HUMAN/ LIVER CIRRHOSIS, blood/ MALE/ METHODS/ PREGNANCY/ *PROSTAGLANDINS, blood/ *RADIOIMMUNOASSAY
2787. Patten PT, Anderson AB, Turnbull AC: Human fetal and maternal plasma oestrogens and the onset of labour. J Obstet Gynaecol Br Commonw 80:952-6, Nov 73
BLOOD/ BLOOD SPECIMEN COLLECTION/ CESAREAN SECTION/ ESTRADIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ *FETUS, analysis/ HUMAN/ *LABOR/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ UMBILICAL ARTERIES/ UMBILICAL CORD, analysis/ UMBILICAL VEINS
2788. Patton S, Plantz PE, Thoele CA: Factors influencing phospholipids and cholesterol in skim milk: effect of short interval milkings. J Dairy Sci 58:1473-6, Nov 73
ANIMAL EXPERIMENTS/ *CHOLESTEROL, analysis/ CHOLESTEROL, isolation & purification/ FEMALE/ GOATS, metabolism/ *LACTATION/ *MILK, analysis/ *PHOSPHOLIPIDS, analysis/ PHOSPHOLIPIDS, isolation & purification/ TIME FACTORS
2789. Paulo LG, McCuskey RS, Fink GD, et al: Effects of posterior hypothalamic stimulation on reticulocyte release and bone marrow microcirculation. Proc Soc Exp Biol Med 143:986-90, Sep 73
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BLOOD CELL COUNT/ *BONE MARROW, blood supply/ ELECTRIC STIMULATION/ FEMALE/ HEMATOCRIT/ *HYPOTHALAMUS, physiology/ MALE/ MICROCIRCULATION/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ RABBITS/ REGIONAL BLOOD FLOW/ RETICULOCYTES/ TIME FACTORS
2790. Paulson GD, Jacobsen AM, Zaylskie RG, et al: Isolation and identification of prophan (isopropyl carbanilate) metabolites from the rat and the goat. J Agric Food Chem 21:804-11, Sep-Oct 73
ACETANILIDE, urine/ ANILINE COMPOUNDS, urine/ ANIMAL EXPERIMENTS/ BODY COMPOSITION/ *CARBAMATES, metabolism/ CARBAMATES, urine/ CARBON RADIOISOTOPES/ FECES, analysis/ FEMALE/ GOATS/ *HERBICIDES, metabolism/ INTESTINES, metabolism/ KIDNEY, metabolism/ LACTATION/ LIVER, metabolism/ MALE/ MILK, metabolism/ MYOCARDIUM, metabolism/ PREGNANCY/ PROPHAM, metabolism/ RATS
- of human and canine renal allograft recipients. J Surg Res 15:301-8, Oct 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE, therapeutic use/ CADAVER/ DOGS/ *GRAFT REJECTION/ HODGKIN'S DISEASE, immunology/ HUMAN/ IMMUNITY, CELLULAR/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, immunology/ LEUKOCYTE CULTURE TEST, MIXED/ *LEUKOCYTES, immunology/ LYMPHOCYTES, immunology/ METHYLPREDNISOLONE, therapeutic use/ NEOPLASMS, immunology/ PREDNISONE, therapeutic use/ *THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM
2792. Payne AP, Swanson HH: The effects of neonatal androgen administration on the aggression and related behavior of male golden hamsters during interactions with females. J Endocrinol 58:627-36, Sep 73
*AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ BITES AND STINGS/ CASTRATION/ FEMALE/ HAMSTERS/ MALE/ *SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ SMELL/ *TESTOSTERONE, pharmacodynamics
2793. Payne JM, Rowlands GJ, Manston R, et al: A statistical appraisal of the results of metabolic profile tests on 75 dairy herds. Br Vet J 129:370-81, Jul-Aug 73
ACIDOSIS, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ BLOOD SUGAR/ BLOOD UREA NITROGEN/ BREEDING/ CALCIUM, blood/ *CATTLE, metabolism/ FEMALE/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HYPOPROTEINEMIA, blood/ LACTATION/ MAGNESIUM, blood/ PHOSPHATES, blood/ POTASSIUM, blood/ RETROSPECTIVE STUDIES/ SEASONS/ SERUM ALBUMIN, BOVINE, analysis/ SERUM GLOBULINS, analysis/ SODIUM, blood/ STERILITY, FEMALE, blood
2794. Pearl SL, Downey HF, Lepper TL: Intramammary pressure and mammary blood flow in lactating goats. J Dairy Sci 58:1319-23, Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ FEMALE/ *GOATS, physiology/ *LACTATION/ MAMMAE, blood supply/ *MAMMAE, physiology/ METHODS/ PREGNANCY/ PRESSURE/ REGIONAL BLOOD FLOW
2795. Pearse AD: The sharpening of Jung K microtome knives with particular reference to cryostat sectioning. Med Lab Technol 30:117-22, Apr 73
BONE AND BONES/ FREEZING/ METHODS/ *MICROTOMY
2796. Pearson H: The complications of ovariobysterectomy in the bitch. J Small Anim Pract 14:257-66, May 73
ANIMAL EXPERIMENTS/ CASTRATION, adverse effects/ *CASTRATION, veterinary/ *DOG DISEASES, etiology/ DOGS/ ESTRUS/ FEMALE/ HEMORRHAGE, veterinary/ HYSTERECTOMY, adverse effects/ *HYSTERECTOMY, veterinary/ *POSTOPERATIVE COMPLICATIONS, veterinary/ SUTURES, adverse effects
2797. Peaslee MH, Elnhellig FA: Tannic acid-induced alterations in mouse growth and pituitary melanocyte-stimulating hormone activity. Toxicol Appl Pharmacol 25:507-14, Aug 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ APPETITE, drug effects/ BODY WEIGHT/ DIET/ LIVER, drug effects/ MALE/ MICE/ *MSH, secretion/ ORGAN WEIGHT/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ *SOMATOTROPIN, secretion/ *TANNINS, toxicity/ TESTIS, drug effects/ TIME FACTORS
2798. Pecker J, Javale A, Simon J, et al: Indications des différentes méthodes d'exérèse de l'hypophyse normale et pathologique. Ann Endocrinol (Paris) 34:181-9, Mar-Apr 73 (Fre)
*DIABETIC RETINOPATHY, therapy/ ENGLISH ABSTRACT/ HUMAN/
2791. Pauly JL, Han T, Varkarakis MJ, et al: Leukocyte (3H) thymidine uptake in short-term whole-blood cultures

AUTHOR SECTION

- *HYPOPHYSECTOMY/ METHODS/
*PITUITARY NEOPLASMS, surgery
2799. Pegg CA, Stewart DJ, Bewsher PD, et al: The surgical management of thyrotoxicosis. *Br J Surg* 60:765-9, Oct 73
ADULT/ AGE FACTORS/ BLOOD GROUPS/
CARBIMAZOLE, therapeutic use/ FEMALE/
HUMAN/ HYPERTHYROIDISM, drug therapy/
*HYPERTHYROIDISM, surgery/
HYPOTHYROIDISM, etiology/
HYPOTHYROIDISM, prevention & control/
IODINE, blood/ ORGAN WEIGHT/
POSTOPERATIVE COMPLICATIONS,
prevention & control/ PROPRANOLOL,
therapeutic use/ PROTEIN BINDING/
THYROID GLAND, pathology/
THYROIDECTOMY
2800. Pelsert E: Przechłeg i rokowanie w pecherzycy w powiazaniu z mianem przeciwciał pemphigus. *Przegl Lek* 30:583-6, 1973 (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ *AUTOANTIBODIES, analysis/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MALE/ MIDDLE AGE/ PEMPHIGUS, drug therapy/ *PEMPHIGUS, immunology/
PROGNOSIS
2801. Pelletier J: Evidence for photoperiodic control of prolactin release in rams. *J Reprod Fertil* 35:143-7, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
INJECTIONS, INTRAMUSCULAR/ LH,
secretion/ *LIGHT/ MALE/ *PERIODICITY/
*PROLACTIN, secretion/
RADIOIMMUNOASSAY/ SEASONS/ *SHEEP,
physiology/ TESTOSTERONE,
pharmacodynamics/ TIME FACTORS
2802. Pendl G, Jellinger K, Kletter G: Klinische und morphologische Aspekte cerebrovasculärer Ereignisse bei oralen Antikonzeptiva. *Verh Dtsch Ges Kreislaufforsch* 56:413-7, 1972 (Ger)
ADOLESCENCE/ ADULT/ AUTOPSY/
*CEREBRAL EMBOLISM AND THROMBOSIS,
chemically induced/ CEREBRAL EMBOLISM
AND THROMBOSIS, pathology/
*CONTRACEPTIVES, ORAL, adverse effects/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MIDDLE AGE
2803. Pendleton RG, Snow IB, Gessner G, et al: Studies on the turnover and synthesis of eplneprhrine from norepinephrine in the adrenal gland. *Arch Int Pharmacodyn Ther* 203:368-75, Jun 73
*ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ EPINEPHRINE, biosynthesis/
*EPINEPHRINE, metabolism/ HALF-LIFE/
INJECTIONS, INTRAVENOUS/ MALE/
NOREPINEPHRINE, administration & dosage/
*NOREPINEPHRINE, metabolism/ RATS/
TIME FACTORS/ TRITIUM
2804. Peng SK, Ho KJ, Mikkelsen B, et al: Studies on cholesterol metabolism in rats by application of D2O and mass spectrometry. *Atherosclerosis* 18:197-213, Sep-Oct 73
ANIMAL EXPERIMENTS/ BILE ACIDS AND
SALTS, analysis/ BODY WATER, analysis/
BRAIN, metabolism/ CHOLESTEROL,
biosynthesis/ CHOLESTEROL, blood/
*CHOLESTEROL, DIETARY, metabolism/
DEPRESSION, CHEMICAL/ DEUTERIUM/
FECES, metabolism/ KIDNEY, metabolism/
LIVER, metabolism/ LUNG, metabolism/
MALE/ MUSCLES, metabolism/
MYOCARDIUM, metabolism/ RATS/ SKIN,
metabolism/ SPECTRUM ANALYSIS, MASS/
SPLEEN, metabolism/ STEROLS, analysis/
TESTIS, metabolism
2805. Peppler RD, Bennett MH, Dunn JD: Compensatory ovulation in bilind rats and-or those from which the olfactory bulb had been removed. *J Reprod Fertil* 34:501-6, Sep 73
ANIMAL EXPERIMENTS/ *ANOSMIA,
physiopathology/ *BLINDNESS,
physiopathology/ CASTRATION/ ESTRUS/
FEMALE/ GRAAFIAN FOLLICLE, anatomy &
histology/ *LIMBIC SYSTEM, physiology/
OLFACTORY BULB, physiology/ ORGAN
WEIGHT/ OVARY, anatomy & histology/
OVARY, physiology/ *OVULATION/
PITUITARY GLAND, physiology/ RATS
2806. Percy-Robb IW, Boyd GS: The biosynthesis of bile acids. *Scott Med J* 18:166-8, passim, Sep 73
*BILE ACIDS AND SALTS, biosynthesis/
BILE ACIDS AND SALTS, metabolism/
CHENODEOXYCHOLIC ACID, biosynthesis/
CHENODEOXYCHOLIC ACID, metabolism/
CHOLESTEROL, metabolism/ CHOLIC ACID,
biosynthesis/ ENZYME INDUCTION, drug
effects/ PHENOBARBITAL, pharmacodynamics/
THYROID HORMONES, pharmacodynamics
2807. Perez VJ, Olney JW, Robin SJ: Glutamate accumulation in infant mouse hypothalamus: Influence of temperature. *Brain Res* 59:181-9, 14 Sep 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ FEMALE/ GLUTAMATES, blood/
*GLUTAMATES, metabolism/
*HYPOTHALAMUS, metabolism/ MALE/
MICE/ SOCIAL ISOLATION/
TEMPERATURE/ *THALAMIC NUCLEI,
metabolism
2808. Perheentupa J, Autio S, Leisti S, et al: Letter: Mulihrey nanism v. hereditary congenital dwarfism with pericardial constriction. *Lancet* 2:1095, 10 Nov 73
BRAIN DISEASES, etiology/ *DWARFISM/
*DWARFISM, complications/ DWARFISM,
congenital/ DWARFISM, familial & genetic/
EYE MANIFESTATIONS/ HEPATOMEGALY,
etiology/ HUMAN/ MOVEMENT DISORDERS,
etiology/ MUSCULAR DISEASES, etiology/
NOMENCLATURE/ *PERICARDITIS,
CONSTRUCTIVE, complications
2809. Perovic MN, Kopits SE, Thompson RC: Radiological evaluation of the spinal cord in congenital atlanto-axial dislocation. *Radiology* 109:713-6, Dec 73
ADOLESCENCE/ ADULT/ ANESTHESIA,
GENERAL/ *ATLAS/ *AXIS/ CHILD/ CHILD,
PRESCHOOL/ DISLOCATIONS, complications/
DISLOCATIONS, congenital/ *DISLOCATIONS,
radiography/ DWARFISM, radiography/
FEMALE/ FEVER, etiology/ HEADACHE,
etiology/ HUMAN/ INTUBATION,
INTRATRACHEAL/ MALE/ MYELOGRAPHY/
MYELOGRAPHY, adverse effects/ NAUSEA,
etiology/ OXYGEN/ SPINAL CORD
COMPRESSION, etiology/ *SPINAL CORD
COMPRESSION, radiography/ SPINAL
PUNCTURE/ TECHNOLOGY, RADIOLOGIC/
VERTIGO, etiology
2810. Perper RJ, Blancuzzi V, Oronsky AL: The selective inhibition of secondary IgE antibody response in mice by dibutyl adenosine 3',5'-cyclic monophosphoric acid and theophylline. *Proc Soc Exp Biol Med* 143:1191-6, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/
CYCLOPHOSPHAMIDE, pharmacodynamics/
FEMALE/ *IGE, biosynthesis/ IGG,
biosynthesis/ IMMUNE SERUMS/
IMMUNIZATION, SECONDARY/
IMMUNOLOGIC MEMORY/ MICE/
OVALBUMIN, administration & dosage/
PARAMETHASONE, pharmacodynamics/
PASSIVE CUTANEOUS ANAPHYLAXIS/
*THEOPHYLLINE, pharmacodynamics
2811. Perret C, Girardet P: Le traitement de la crise hypertensive. *Schweiz Med Wochenschr* 103:1692-8, 24 Nov 73 (24 ref.) (Fre)
ADRENAL GLAND NEOPLASMS,
complications/ ADRENERGIC ALPHA
RECEPTOR BLOCKADERS, therapeutic use/
*ANTIHYPERTENSIVE AGENTS, therapeutic
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HUMAN/ HYDRALAZINE, therapeutic use/
*HYPERTENSION, drug therapy/
HYPERTENSION, MALIGNANT, drug therapy/

AUTHOR SECTION

- PHENOXYBENZAMINE, therapeutic use/
PHEOCHROMOCYTOMA, complications/
PULMONARY EDEMA, complications/
RESERPINE, therapeutic use/ REVIEW/ TIME
FACTORS/ TRIMETHAPHAN, therapeutic use
12. Perry JS, Heap RB, Amoroso EC: Steroid hormone production by pig blastocysts.
Nature 245:45-7, 7 Sep 73
ANDROSTENEDIONE, metabolism/ ANIMAL
EXPERIMENTS/ BLASTOCYST, analysis/
*BLASTOCYST, metabolism/ CARBON
RADIOISOTOPES/
DEHYDROEPIANDROSTERONE, metabolism/
*ESTRADIOL, biosynthesis/ ESTRADIOL,
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biosynthesis/ ESTRONE, isolation &
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HYDROCORTISONE, metabolism/ IN VITRO/
PREGNENOLONE, metabolism/
*PROGESTERONE, biosynthesis/
PROGESTERONE, metabolism/ SWINE/
TRITIUM
13. Perumal AS, Robins E: Regional and subcellular distribution of aryl- and steroid sulfatases in brain.
Brain Res 59:349-58, 14 Sep 73
ANIMAL EXPERIMENTS/ *BRAIN,
enzymology/ CELL NUCLEUS, enzymology/
CHROMATOGRAPHY, THIN LAYER/
HIPPOCAMPUS, enzymology/ HYDROGEN-ION
CONCENTRATION/ HYPOTHALAMUS,
enzymology/ MALE/ MITOCHONDRIA,
enzymology/ NITROBENZENES/ PARIETAL
LOBE, enzymology/ RATS/ STEROIDS/
*SULFATASES, metabolism/ SULFATES/
THALAMUS, enzymology
14. Peschle C, Gordon AS, Condorelli M: Fisiopatologia della eritroblastopenia cronica pura.
Minerva Med 64:3174-89, 5 Sep 73 (Ita)
ANEMIA, APLASTIC, complications/
*ANEMIA, APLASTIC, etiology/ ANEMIA,
APLASTIC, therapy/ GAMMA GLOBULIN,
therapeutic use/ HUMAN/ THYMECTOMY/
*THYMOMA, complications/ *THYMUS
NEOPLASMS, complications
15. Peschle C, Rappaport IA, D'Avanzo A, et al: Renal mechanisms underlying cyclic AMP action on erythropoiesis. Br J Haematol 25:393-8, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ *ERYTHROPOIESIS, drug effects/
ERYTHROPOIETIN, blood/ FEMALE/ GAMMA
GLOBULIN/ INJECTIONS,
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SUBCUTANEOUS/ IRON RADIOISOTOPES/
*KIDNEY, physiology/ MALE/ MICE/
NEPHRECTOMY/ POLYCYTHEMIA,
metabolism
16. Peskar B, Hertting G: Release of prostaglandins from isolated cat spleen by angiotensin and vasopressin. Naunyn-Schmiedeberg's Arch Pharmacol 279:227-34, 8 Sep 73
*ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CATS/ CATTLE/
CHROMATOGRAPHY/ FEMALE/
INDOMETHACIN, pharmacodynamics/ MALE/
PROSTAGLANDINS, antagonists & inhibitors/
*PROSTAGLANDINS, secretion/ RABBITS/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ SPLEEN, drug effects/ *SPLEEN,
metabolism/ TRITIUM/ *VASOPRESSIN,
pharmacodynamics
17. Peters H, Byskov AG, Lintern-Moore S, et al: The effect of gonadotrophin on follicle growth initiation in the neonatal mouse ovary.
J Reprod Fertil 35:139-41, Oct 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ FEMALE/ *GONADOTROPINS,
EQUINE, pharmacodynamics/ *GRAAFIAN
FOLLICLE, growth & development/ GROWTH,
drug effects/ MICE/ *OVARY, drug effects/
OVUM/ PREGNANCY
18. Peters RH, Reich MJ: Effects of ventromedial hypothalamic lesions on conditioned sucrose aversion in rats. J Comp Physiol Psychol 84:502-6, Sep 73
ANIMAL EXPERIMENTS/ *AVOIDANCE
LEARNING/ *CONDITIONING, OPERANT/
*EATING/ FEMALE/ HUNGER/
*HYPOTHALAMUS, physiology/ LITHIUM/
RATS/ *SUCROSE/ TASTE
19. Petrea I, Gardner WU: Virus morphogenesis in a mouse lymphoma. Cancer Res 33:2291-9, Oct 73
ANIMAL EXPERIMENTS/ *C-TYPE VIRUSES,
isolation & purification/ CELL NUCLEOLUS/
CELL NUCLEUS, metabolism/ CHROMATIN/
CYTOPLASM, metabolism/
DEOXYRIBONUCLEASE/ DNA, NEOPLASM,
metabolism/ ENDOPLASMIC RETICULUM/
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NEOPLASMS, microbiology/ LYMPHOMA,
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NEOPLASMS, microbiology/ PITUITARY
NEOPLASMS, pathology/ RIBOSOMES/ RNA,
NEOPLASM, metabolism/ SKIN NEOPLASMS,
microbiology/ SPLENIC NEOPLASMS,
microbiology/ TRANSPLANTATION,
HOMOLOGOUS
20. Petres J, Arbogast R, Poll M: Zur Diagnose und Therapie der männlichen Infertilität.
Munch Med Wochenschr 115:1175-82, 22 Jun 73 (Ger)
ADULT/ ENGLISH ABSTRACT/
GONADOTROPINS, CHORIONIC, therapeutic
use/ GONADOTROPINS, PITUITARY, blood/
HUMAN/ HYPOGONADISM, diagnosis/ MALE/
MENOTROPINS, therapeutic use/ SEMEN,
cytology/ SPERM CAPACITATION/
SPERMATOGENESIS/ SPERMATOZOA,
cytology/ STERILITY, MALE, classification/
*STERILITY, MALE, diagnosis/ STERILITY,
MALE, drug therapy/ TESTOSTERONE, blood/
TESTOSTERONE, therapeutic use/
TESTOSTERONE, urine/ THYROID
HORMONES, therapeutic use
21. Petrescu-Coman V, Veldenfeld-Stein R, Gheorghe V, et al: Pulmonale Rachitis.
Monatsschr Kinderheilkd 121:366-8, Jul 73 (Ger)
AGE FACTORS/ AUTOPSY/ CYANOSIS,
etiology/ DYSPNEA, etiology/ FEMALE/
HUMAN/ INFANT/ *LUNG DISEASES,
etiology/ LUNG DISEASES, pathology/
*RICKETS, complications/ RICKETS, pathology
22. Petropoulos EA, Lau C: Foetoplacental contribution to the maternal corticosteroid pool in Long-Evans rats. J Endocrinol 59:183-4, Oct 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*CORTICOSTERONE, blood/ FEMALE/ FETUS,
physiology/ *MATERNAL-FETAL EXCHANGE/
OVARY, physiology/ PLACENTA, metabolism/
PREGNANCY/ RATS/ TIME FACTORS
23. Petrova AS, Solomatina TP, Kondrat'eva AP: Tsitologicheskaya otsenka effektivnosti polikbimioterapii u bol'nykh limfogranulematozom. Probl Gematol Pereliv Krovi 17:52-5, Dec 73 (Rus)
ADOLESCENCE/ ADULT/
CYCLOPHOSPHAMIDE, therapeutic use/
*CYTODIAGNOSIS/ DRUG THERAPY,
COMBINATION/ ENGLISH ABSTRACT/
FEMALE/ *HODGKIN'S DISEASE, drug
therapy/ HODGKIN'S DISEASE, pathology/
HUMAN/ MALE/ METHOTREXATE,
therapeutic use/ PREDNISOLONE, therapeutic
use/ TIME FACTORS/ VINCRISTINE,
therapeutic use
24. Petruk AE, Cigal EA: Tseoldit kak prolavlenie polivanelnoi allergii. Vrach Delo 6:69-71, Jun 73 (Rus)
CASE REPORT/ FEMALE/ HUMAN/
*HYPERSENSITIVITY, complications/ MIDDLE
AGE/ *THYROIDITIS, etiology
25. Petry R, Pfizenmayer K: Möglichkeiten der

AUTHOR SECTION

- medikamentösen Fertilitätshemmung beim Mann.
Dtsch Med Wochenschr 98:1775-9, 21 Sep 73 (Ger)
CELL MOVEMENT, drug effects/
*CONTRACEPTIVE AGENTS,
pharmacodynamics/ CYPROTERONE,
pharmacodynamics/ DIETHYLSTILBESTROL,
pharmacodynamics/ EPIDIDYMIS, drug effects/
ESTRADIOL, pharmacodynamics/ *FERTILITY,
drug effects/ HUMAN/ MALE/
PROGESTERONE, pharmacodynamics/ *SPERM
CAPACITATION, drug effects/
*SPERMATOGENESIS, drug effects/
SPERMATOZOA, drug effects/
SPERMATOZOA, immunology/
TESTOSTERONE, pharmacodynamics/ TIME
FACTORS/ VAS DEFERENS, drug effects
2826. Petter-Rousseaux A: Application d'un système
semestriel de variation de la photopériode chez
Microcebus murinus (Miller, 1777.
Ann Biol Anim Biochim Biophys 12:367-75, 1972 (Fre)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL
EXPERIMENTS/ BODY WEIGHT/ ENGLISH
ABSTRACT/ *ESTRUS/ FEMALE/ MALE/
PERIODICITY/ *PHOTIC STIMULATION/
*PRIMATES, physiology/ SEASONS/ SEX
BEHAVIOR, ANIMAL/ SEX FACTORS/
TESTIS, anatomy & histology/ TESTIS, growth
& development/ *TESTIS, physiology/
2827. Petzoldt D: Vitiligo: Neue Möglichkeiten der
Behandlung und ihre Nebenwirkungen.
Hautarzt 24:221-2, May 73 (Ger)
DRUG THERAPY, COMBINATION/
METHOXSALEN, adverse effects/
METHOXSALEN, therapeutic use/
TRIAMCINOLONE, therapeutic use/
*VITILIGO, drug therapy
2828. Pevný SA, Sobolev VI: O roli hormonov shchitovidnoi
zhelezy i mozgovogo sloia nadpochechnikov v
reaktsiakh termoregulyatsii.
Fiziol Zh SSSR 59:600-5, Apr 73 (Rus)
ADAPTATION, PHYSIOLOGICAL/ *ADRENAL
MEDULLA, physiology/ ANIMAL
EXPERIMENTS/ *BODY TEMPERATURE
REGULATION/ COLD/
ELECTROMYOGRAPHY/ ENGLISH
ABSTRACT/ *EPINEPHRINE,
pharmacodynamics/ HYPERTHYROIDISM,
physiopathology/ HYPOTHYROIDISM,
physiopathology/ MALE/ *NOREPINEPHRINE,
pharmacodynamics/ OXYGEN CONSUMPTION/
RATS/ *THYROID HORMONES, physiology
2829. Peyser MR, Ayalon D, Harell A, et al: Stress induced
delay of ovulation. Obstet Gynecol 42:667-71, Nov 73
ADULT/ BODY TEMPERATURE/ FEMALE/
HUMAN/ 11-HYDROXYCORTICOSTEROIDS,
blood/ IODINE RADIOISOTOPES/ *LH, blood/
MENSTRUATION/ *OVULATION/
RADIOIMMUNOASSAY/ *STRESS,
PSYCHOLOGICAL, complications/ TIME
FACTORS
2830. Pfaff D, Kelner M: Atlas of estradiol-concentrating
cells in the central nervous system of the female rat.
J Comp Neurol 151:121-58, 15 Sep 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ *BRAIN, metabolism/
*ESTRADIOL, metabolism/ FEMALE/
GONADOTROPINS, PITUITARY, secretion/
HYPOTHALAMO-HYPOPHYSAL SYSTEM,
physiology/ HYPOTHALAMUS, metabolism/
HYPOTHALAMUS, physiology/ LIMBIC
SYSTEM, metabolism/ LIMBIC SYSTEM,
physiology/ MESENCEPHALON, metabolism/
RATS/ SEX BEHAVIOR, ANIMAL/ SPINAL
CORD, metabolism/ TRITIUM
2831. Pfaff DW: Luteinizing hormone-releasing factor
potentiates lordosis behavior in hypophysectomized
ovariectomized female rats.
Science 182:1148-9, 14 Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ESTROGENS, pharmacodynamics/ FEMALE/
HYPOPHYSCTOMY/ *LH/ OVARY,
physiology/ PITUITARY GLAND, physiology/
*PITUITARY HORMONE RELEASING
- HORMONES, pharmacodynamics/ POSTURE/
RATS/ *SEX BEHAVIOR, ANIMAL, drug
effects
2832. Pfaffman MA, McFarland SA: The effects of
theophylline and cyclic AMP on intestinal smooth
muscle contractions.
Eur J Pharmacol 23:147-52, Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ *COLON, drug
effects/ COMPARATIVE STUDY/
DOSE-RESPONSE RELATIONSHIP, DRUG/
GUINEA PIGS/ MALE/ MUSCLE
CONTRACTION, drug effects/ *MUSCLE,
SMOOTH, drug effects/ POTASSIUM,
antagonists & inhibitors/ POTASSIUM,
pharmacodynamics/ *THEOPHYLLINE,
pharmacodynamics/ TIME FACTORS
2833. Phadke AM, Samant NR, Deval SD: Significance of
seminal fructose studies in male infertility.
Fertil Steril 24:894-903, Nov 73
ADULT/ BIOPSY/ CELL COUNT/
FRUCTOSE, analysis/ HUMAN/ MALE/
*SEMEN, analysis/ *SPERMATOGENESIS/
SPERMATOZOA, analysis/ SPERMATOZOA,
cytology/ STERILITY, MALE, pathology/
TESTIS, cytology/ TESTIS, pathology
2834. Phadke AM, Samant NR, Dewal SD: Smallpox as an
etiologic factor in male infertility.
Fertil Steril 24:802-4, Oct 73
BIOPSY/ CELL COUNT/ HUMAN/ INDIA/
MALE/ *SMALLPOX, complications/
SPERMATOGENESIS/ SPERMATOZOA/
*STERILITY, MALE, etiology/ STERILITY,
MALE, pathology/ STERILITY, MALE,
physiopathology/ TESTICULAR DISEASES,
pathology/ TESTIS, pathology
2835. Pham-Huu-Trung MT, Gourmelen M, Girard F: The
simultaneous assay of cortisol and
17alpha-hydroxyprogesterone in the plasma of
patients with congenital adrenal hyperplasia.
Acta Endocrinol (Kbh) 74:316-30, Oct 73
ADOLESCENCE/ *ADRENAL GLAND
HYPERFUNCTION, blood/ ADRENAL GLAND
HYPERFUNCTION, drug therapy/ ADRENAL
GLAND HYPERFUNCTION, enzymology/
ADULT/ BINDING, COMPETITIVE/ CHILD/
CHILD, PRESCHOOL/ CIRCADIAN RHYTHM/
CORTICOTROPIN, blood/ FEMALE/ GEL
FILTRATION/ HUMAN/ *HYDROCORTISONE,
blood/ HYDROCORTISONE, therapeutic use/
HYDROXYLASES, metabolism/
*HYDROXYPROGESTERONE, blood/ INFANT/
INFANT, NEWBORN/ MALE/ *METABOLISM,
INBORN ERRORS, blood/ METABOLISM,
INBORN ERRORS, drug therapy/
METABOLISM, INBORN ERRORS, enzymology/
METHODS/ PROTEIN BINDING
2836. Phelps F, Hawker CD: Serum parathyroid hormone
levels in patients with calcium pyrophosphate crystal
deposition disease (chondrocalcinosis, pseudogout).
Arthritis Rheum 16:590-6, Sep-Oct 73
AGED/ BLOOD UREA NITROGEN/ CALCIUM,
blood/ *CALCIUM PHOSPHATES, metabolism/
*CHONDROCALCINOSIS, blood/
CHONDROCALCINOSIS, physiopathology/
CREATININE, blood/ FEMALE/ HUMAN/
HYPERCALCEMIA, blood/ HYPERCALCEMIA,
etiology/ HYPERPARATHYROIDISM,
complications/ HYPOPARATHYROIDISM,
complications/ KIDNEY FAILURE, CHRONIC,
complications/ MALE/ MIDDLE AGE/
PARATHYROID GLANDS, physiopathology/
*PARATHYROID HORMONE, blood/
PHOSPHORUS, blood/ RADIOIMMUNOASSAY
2837. Philip G, Smith JF: Hypothermia and Wernicke's
encephalopathy. J Pathol 110:pvi-vii, Jul 73
AUTOPSY/ HUMAN/ HYPOTHALAMUS/
*HYPOTHERMIA, etiology/ THIAMINE
DEFICIENCY, complications/ *WERNICKE'S
ENCEPHALOPATHY, complications
2838. Philippu A, Roensberg W, Przuntek H: Effects of
adrenergic drugs on pressor responses to

AUTHOR SECTION

- hypothalamic stimulation.
Naunyn Schmiedeberg Arch Pharmacol 278:373-86, 26 Jul 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ CEREBROSPINAL FLUID/ CLONIDINE, pharmacodynamics/ ELECTRIC STIMULATION/ FEEDBACK/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ NOREPINEPHRINE, metabolism/ PERFUSION/ *SYMPATHOLYTICS, pharmacodynamics/ *TOLAZOLINE, pharmacodynamics/ TRITUM
39. Phillips AG, Deol G: Neonatal gonadal hormone manipulation and emotional following septal lesions in weanling rats. Brain Res 60:55-64, 28 Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL DIFFERENTIATION/ *EMOTIONS/ FEMALE/ *HYPOTHALAMUS, growth & development/ MALE/ RATS/ SEPTAL NUCLEI, drug effects/ SEPTAL NUCLEI, physiology/ *SEPTUM PELLUCIDUM, physiology/ *SEX BEHAVIOR, ANIMAL/ *SEX HORMONES, physiology/ STARTLE REACTION/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics
40. Phillips RS: Shiers' alloplasty of the knee. Clin Orthop 94:122-7, Jul-Aug 73
AGED/ ARTHRITIS, RHEUMATOID, surgery/ *ARTHROPLASTY/ FEMALE/ HUMAN/ *JOINT PROSTHESIS/ *KNEE, surgery/ MALE/ MIDDLE AGE/ MOVEMENT/ OSTEOARTHRITIS, surgery/ OSTEOPOROSIS, etiology/ OSTEOTOMY/ PAIN/ POSTOPERATIVE COMPLICATIONS/ PROSPECTIVE STUDIES/ STAPHYLOCOCCAL INFECTIONS/ STAPHYLOCOCCUS, isolation & purification/ SURGICAL WOUND INFECTION
41. Philpott GW: Advances against cancer in the British Isles. Surgery 74:887-95, Nov 73
ANTINEOPLASTIC AGENTS, therapeutic use/ AUTOMATION/ BREAST NEOPLASMS, diagnosis/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ ENVIRONMENT/ EPIDEMIOLOGY/ FEMALE/ GENETIC COUNSELING/ GENETICS, HUMAN/ GREAT BRITAIN/ HUMAN/ MASS SCREENING/ METHODS/ NEOPLASMS, diagnosis/ NEOPLASMS, drug therapy/ NEOPLASMS, etiology/ NEOPLASMS, familial & genetic/ NEOPLASMS, immunology/ *NEOPLASMS, prevention & control/ NEOPLASMS, radiotherapy/ NEOPLASMS, surgery/ STEROIDS, analysis/ TIME FACTORS/ UNITED STATES
42. Phoenix CH, Slob AK, Goy RW: Effects of castration and replacement therapy on sexual behavior of adult male rhesuses. J Comp Physiol Psychol 84:472-81, Sep 73
ANIMAL EXPERIMENTS/ *CASTRATION/ EJACULATION, drug effects/ MACACA/ MALE/ MONKEYS/ PROPIONATES/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, physiology
43. Pichichero M, Beer B, Clody DE: Effects of dibutyryl cyclic AMP on restoration of function of damaged sciatic nerve in rats. Science 182:724-5, 16 Nov 73
ANIMAL EXPERIMENTS/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ MALE/ NERVE CRUSH/ *NERVE REGENERATION, drug effects/ RATS/ REFLEX, drug effects/ SCIATIC NERVE, physiology/ TIME FACTORS
44. Pickard JD, Mackenzie ET: Inhibition of prostaglandin synthesis and the response of hahoon cerebral circulation to carbon dioxide. Nature [New Biol] 245:187-8, 10 Oct 73
ANIMAL EXPERIMENTS/ BABOONS/ *BRAIN, metabolism/ *CEREBROVASCULAR CIRCULATION/ CEREBROVASCULAR CIRCULATION, drug effects/ HYPERCAPNIA, metabolism/ *HYPERCAPNIA, physiopathology/ *INDOMETHACIN, pharmacodynamics/ MONKEYS/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, hlosynthesis/ REGIONAL BLOOD FLOW
2845. Pideński EL, Vakhrusheva LG, Mardanov LG: O vliyanii nekotorykh protivovospalitel'nykh preparatov na éksperimental'nuiu giperhiliu nemi. Patol Fiziol Eksp Ter 17:39-42, May-Jun 73 (Rus)
ANILINE COMPOUNDS, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTIPYRINE, therapeutic use/ BILE DUCTS/ CARBON TETRACHLORIDE, pharmacodynamics/ COMPARATIVE STUDY/ HYPERBILIRUBINEMIA, chemically induced/ *HYPERBILIRUBINEMIA, drug therapy/ LIGATION/ NICOTINAMIDE, therapeutic use/ PHENYLBUTAZONE, therapeutic use/ PREDNISOLONE, therapeutic use/ PYRAZOLES, therapeutic use/ RATS
2846. Plebenga LW, Laibson PR: Dendritic lesions in herpes zoster ophthalmicus. Arch Ophthalmol 90:268-70, Oct 73
AGED/ CHLORAMPHENICOL, therapeutic use/ CORNEA, pathology/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *HERPES ZOSTER, OCULAR, diagnosis/ HERPES ZOSTER, OCULAR, drug therapy/ HERPES ZOSTER, OCULAR, microbiology/ HERPES ZOSTER, OCULAR, pathology/ HUMAN/ *KERATITIS, DENDRITIC, diagnosis/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ SCOPOLAMINE, therapeutic use
2847. Piel CF, Roof BS, Avioli LV: Metabolism of tritiated 25-hydroxycholecalciferol in chronically uremic children before and after successful renal homotransplantation. J Clin Endocrinol Metab 37:944-8, Dec 73
CHILD/ GEL FILTRATION/ HUMAN/ *HYDROXYCHOLECALCIFEROL, metabolism/ *KIDNEY, transplantation/ MALE/ PARATHYROID HORMONE, metabolism/ RADIOIMMUNOASSAY/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM/ *UREMIA, metabolism/ UREMIA, surgery
2848. Pien FD, Smith TF, Anderson CF, et al: Herpesviruses in renal transplant patients. Transplantation 16:489-95, Nov 73
AGGLUTINATION TESTS/ ANTIBODIES, VIRAL, analysis/ AZATHIOPRINE, therapeutic use/ CELL LINE/ COMPLEMENT FIXATION TESTS/ CYTOMEGALOVIRUSES, isolation & purification/ CYTOPATHOGENIC EFFECT, VIRAL/ FLUORESCENT ANTIBODY TECHNIC/ GRAFT REJECTION/ HELA CELLS/ *HERPESVIRUS, immunology/ HERPESVIRUS HUMANIS, isolation & purification/ *HERPESVIRUS INFECTIONS, immunology/ HUMAN/ KIDNEY/ *KIDNEY, transplantation/ METHYLPREDNISOLONE, therapeutic use/ MYCOPLASMA INFECTIONS, immunology/ PHARYNX, microbiology/ POSTOPERATIVE COMPLICATIONS/ PREDNISONE, therapeutic use/ RHEUMATOID FACTOR/ TISSUE CULTURE/ TRANSPLANTATION, HOMOLOGOUS/ URINE, microbiology/ VIRUS CULTIVATION
2849. Pieron AP: The mechanism of the first carpometacarpal (CMC) joint. An anatomical and mechanical analysis. Acta Orthop Scand [Suppl] 1:1-104, 1973
ADULT/ BLOOD VESSELS, embryology/ BONE AND BONES, anatomy & histology/ DISSECTION/ FETUS/ HUMAN/ KINESICS/ *LIGAMENTS, ARTICULAR, anatomy & histology/ LIGAMENTS, ARTICULAR, embryology/ LIGAMENTS, ARTICULAR, physiology/ MODELS, BIOLOGICAL/ TENDONS, PARA-ARTICULAR, embryology/ *WRIST, anatomy & histology/ WRIST, embryology/ WRIST, physiology/ WRIST, radiography/ *WRIST JOINT
2850. Pierrepoint CG, Davies P: The effect of vasectomy on the activity of prostatic RNA polymerase in rats. J Reprod Fertil 35:149-52, Oct 73

AUTHOR SECTION

- CARBON ISOTOPES/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MALE/ *PROSTATE, enzymology/ PROSTATE, metabolism/ PROSTATIC HYPERTROPHY/ RATS/ RNA POLYMERASE, analysis/ *RNA POLYMERASE, analysis/ SEMINAL VESICLES, metabolism/ TESTOSTERONE, metabolism/ TRITIUM/ URACIL NUCLEOTIDES, metabolism/ VAS DEFERENS, metabolism/ *VASECTOMY
2851. Pinals RS: Effect of hepatic injury on adjuvant arthritis. *Ann Rheum Dis* 32:471-4, Sep 73
ANIMAL EXPERIMENTS/ *ARTHRITIS, chemically induced/ ARTHRITIS, prevention & control/ CORTICOSTERONE, blood/ FREUND'S ADJUVANT/ LIVER, pathology/ *LIVER DISEASES, chemically induced/ LIVER DISEASES, pathology/ LIVER REGENERATION/ MALE/ NECROSIS/ NITROSAMINES/ RATS/ REMISSION/ TISSUE EXTRACTS, therapeutic use
2852. Pincherle G: The ankle-jerk half-relaxation time as a screening test for thyroid disease. *J R Coll Gen Pract* 23:515-9, Jul 73
ADULT/ AGED/ ANKLE/ FEMALE/ HUMAN/ MALE/ MASS SCREENING/ MIDDLE AGE/ *REFLEX, TENDON/ *THYROID DISEASES, diagnosis/ TIME FACTORS
2853. Pinel J, Hugon G, Trotoux J, et al: Manifestation oto-neurologique de la maladie de Besnier-Boeck-Schaumann. *Ann Otolaryngol Chir Cervicofac* 90:457-61, Jul-Aug 73 (Fre)
ADULT/ BIOPSY/ *DEAFNESS, etiology/ FACIAL PARALYSIS, drug therapy/ FACIAL PARALYSIS, etiology/ HUMAN/ MALE/ *NEUROLOGIC MANIFESTATIONS/ PAROTID GLAND, pathology/ PREDNISONE, therapeutic use/ *SARCOIDOSIS, complications/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, pathology/ VITAMIN B COMPLEX, therapeutic use
2854. Pinel JP, Phillips AG, Macneill B: Blockage of highly-stable "kindled" seizures in rats by antecedent footshock. *Epilepsia* 14:29-37, Mar 73
AMYGDALOID BODY/ ANIMAL EXPERIMENTS/ *AROUSAL/ BEHAVIOR, ANIMAL/ DISEASE MODELS, ANIMAL/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ *EPILEPSY/ FOOT/ JACKSONIAN SEIZURE/ MALE/ RATS
2855. Pinsky L, Levy EP, Denborough MA: Letter: Malignant hypersyrexia or the XX-XY Turner phenotype? *J Pediatr* 83:896-7, Nov 73
CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *MALIGNANT HYPERTHERMIA, complications/ PHENOTYPE/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, diagnosis
2856. Piro C, Fraioli F, Sclarra F, et al: Circadian rhythm of plasma testosterone, cortisol and gonadotropins in normal male subjects. *J Steroid Biochem* 4:321-9, May 73
ADULT/ BINDING SITES/ CHROMATOGRAPHY, THIN LAYER/ *CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ CORTICOSTERONE/ DOGS/ FEMALE/ *FSH, blood/ HUMAN/ *HYDROCORTISONE, blood/ *LH, blood/ MALE/ MIDDLE AGE/ PREGNANCY/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM
2857. Pirvu C, Iurasog G, Ardeleanu R, et al: Particularités des méningites aiguës chez les personnes âgées. *Sem Hop Paris* 49:2143-9, 20 Jun 73 (Fre)
ACUTE DISEASE/ AGE FACTORS/ AGED/ ANTIBIOTICS, therapeutic use/ BRAIN INJURIES, ACUTE, complications/ CORTISONE, therapeutic use/ ENGLISH
- ABSTRACT/ HUMAN/ MASTOIDITIS, complications/ *MENINGITIS/ MENINGITIS, etiology/ MENINGITIS, MENINGOCOCCIC/ MENINGITIS, PNEUMOCOCCAL/ MENINGITIS, VIRAL/ MIDDLE AGE/ OTITIS MEDIA, complications/ PNEUMONIA, complications/ RESPIRATORY TRACT INFECTIONS, complications/ TUBERCULOSIS, MENINGEAL/ TUBERCULOSIS, PULMONARY, complications
2858. Plant HC, Ward WR: Effect of progesterone on the pituitary responsiveness to luteinizing hormone releasing hormone (LHRH) in intact anoestrous ewes. *J Physiol (Lond)* 232:45P-47P, Jul 73
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ *LH/ LH, blood/ *PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING HORMONES, antagonists & inhibitors/ *PROGESTERONE, pharmacodynamics/ SHEEP
2859. Plaut M, Lichtenstein LM, Henney CS: Increase in histamine receptors on thymus-derived effector lymphocytes during the primary immune response to alloantigens. *Nature* 244:284-7, 3 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ ANTIGENS, NEOPLASM/ ANTIHISTAMINICS, pharmacodynamics/ BINDING, COMPETITIVE/ CHROMIUM RADIOISOTOPES/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *HISTAMINE, metabolism/ HISTAMINE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ *IMMUNITY, CELLULAR/ IMMUNITY, CELLULAR, drug effects/ IMMUNIZATION/ *ISOANTIGENS/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ *RECEPTORS, DRUG/ SARCOMA, MAST CELL, immunology/ THIOUREA, pharmacodynamics
2860. Plewig G, Kilgman AM: Induction of acne by topical steroids. *Arch Dermatol Forsch* 247:29-52, 1973
*ACNE, chemically induced/ ACNE, etiology/ ACNE, pathology/ ADULT/ AGE FACTORS/ AGED/ AUTORADIOGRAPHY/ BETAMETHASONE, adverse effects/ CAUCASIAN RACE/ DEXAMETHASONE, adverse effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUOCINOLONE ACETONIDE, adverse effects/ *GLUCOCORTICIDS, TOPICAL, adverse effects/ HUMAN/ HYDROCORTISONE, TOPICAL, adverse effects/ MALE/ MIDDLE AGE/ NEGROID RACE/ OCCLUSIVE DRESSINGS/ OINTMENTS/ SKIN, metabolism/ THYMIDINE/ *TRIAMCINOLONE ACETONIDE, adverse effects/ TRITIUM
2861. Plutto IA: Izmeneniia funktsii pochek pri kortikosteroidnoi terapii glomerulonefritov. *Klin Med (Mosk)* 51:44-8, Aug 73 (Rus)
*ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ FEMALE/ *GLOMERULONEPHRITIS, drug therapy/ HUMAN/ *KIDNEY, physiopathology/ KIDNEY FUNCTION TESTS
2862. Plummer TH Jr, Sarda L: Isolation and characterization of the glycopeptides of porcine pancreatic lipases L-A and L-B. *J Biol Chem* 248:7865-9, 25 Nov 73
ALKYLATION/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CARBOHYDRATES, analysis/ CARBOXYPEPTIDASES/ CHROMATOGRAPHY, ION EXCHANGE/ FUCOSE, analysis/ GALACTOSE, analysis/ GEL FILTRATION/ GLUCOSAMINE, analysis/ GLUCOSE, analysis/ GLYCOPEPTIDES, analysis/ *GLYCOPEPTIDES, isolation & purification/ HYDROLYSIS/ *LIPASE, analysis/ MANNOSE, analysis/ NEURAMINIC ACIDS, analysis/ OXIDATION-REDUCTION/ *PANCREAS, enzymology/ PRONASE/ SWINE/ THIOCYANATES/ TRYPSIN
2863. Poillon WN: Tyrosine hydroxylase of sheep brain: some catalytic and chemical properties of the detergent-solubilized, partially purified enzyme. *J Neurochem* 21:729-41, Oct 73
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/

AUTHOR SECTION

- CATALASE/ CATALYSIS/ *CAUDATE NUCLEUS, enzymology/ CHELATING AGENTS/ CHROMATOGRAPHY, AFFINITY/ ENZYME ACTIVATION/ IODOTYROSINE/ IRON/ KINETICS/ MACROMOLECULAR SYSTEMS/ OXYGEN/ PEROXIDASES/ PHENANTHROLINES/ POLYSACCHARIDES/ PRECIPITATION/ PTERINS/ SODIUM DODECYL SULFATE/ SURFACE-ACTIVE AGENTS/ TRITIUM/ *TYROSINE HYDROXYLASE/ TYROSINE HYDROXYLASE, antagonists & inhibitors/ TYROSINE HYDROXYLASE, isolation & purification
864. Pokoly TB: The role of cortisol in human parturition. Am J Obstet Gynecol 117:549-53, 15 Oct 73
AMNIOTIC FLUID, metabolism/
ANENCEPHALUS, blood/ ANIMAL EXPERIMENTS/ BLOOD/ CATTLE/ CESAREAN SECTION/ CORTICOTROPIN, administration & dosage/ *DELIVERY/ FEMALE/ FETAL DISEASES, blood/ FETUS, metabolism/ HUMAN/ *HYDROCORTISONE, biosynthesis/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ *LABOR/ LABOR, INDUCED/ LABOR, PREMATURE, chemically induced/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PREGNANCY IN DIABETES, blood/ PREGNANCY TOXEMIAS, blood/ SHEEP/ STRESS/ UMBILICAL CORD
865. Poláček M, Vojtíšková M: Reparatory effect of exogenous testosterone on the expression of male-specific antigen (MSA) in neonatally orchietomized males and failure to induce MSA in females submitted to a similar testosterone regimen. Folia Biol (Praha) 19:281-8, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIBODY FORMATION/ *ANTIGENIC DETERMINANTS/ CASTRATION/ CROSS REACTIONS/ FEMALE/ *GRAFT REJECTION/ HISTOCOMPATIBILITY ANTIGENS/ MALE/ MICE/ MICE, INBRED C57BL/ SEX FACTORS/ SKIN, transplantation/ STERILITY, FEMALE, etiology/ *TESTIS, immunology/ TESTIS, surgery/ *TESTOSTERONE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS/ VAGINAL SMEARS
866. Poljakov VA: Ul'trazvukovaya rezka i svarka v klinicheskoi khirurgii. Sov Med 35:29-34, Jun 72 (Rus)
BONE AND BONES, surgery/ ENGLISH ABSTRACT/ HUMAN/ *SURGICAL EQUIPMENT/ *SURGICAL INSTRUMENTS/ *ULTRASONIC THERAPY, instrumentation
867. Pollice L: Primary hepatic tumors in infancy and childhood. Am J Clin Pathol 60:512-21, Oct 73
ADENOMA, pathology/ ADOLESCENCE/ ADRENAL CORTICAL REST TUMOR, pathology/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *CHOLANGIOMA/ CHOLANGIOMA, pathology/ FEMALE/ *HEMANGIOENDOTHELIOMA/ HEMANGIOENDOTHELIOMA, pathology/ *HEPATOMA/ HEPATOMA, pathology/ HUMAN/ INFANT/ LIVER, pathology/ *LIVER NEOPLASMS/ LIVER NEOPLASMS, pathology/ LYMPHANGIOMA, pathology/ MALE/ MESENCHYMOMA, pathology/ NEOPLASMS, EMBRYONAL AND MIXED, pathology/ *TERATOID TUMOR/ TERATOID TUMOR, pathology
868. Polozhentsev SD, Padkin VV, Naumov GM, et al: Sostolanie simpatno-adrenaloovoi sistemy u moriakov v period dlitel'nogo plavaniia. Voen Med Zh 6:56-7, Jun 73 (Rus)
*ADRENAL GLANDS, physiology/ CATECHOLAMINES, urine/ CIRCADIAN RHYTHM/ HUMAN/ MALE/ *NAVAL MEDICINE/ SPECTROMETRY, FLUORESCENCE/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS
869. Pommier J, Deme D, Nunez J: Dissociation into subunits of thyroglobulin iodinated by thyroid and horse radish peroxidase. Biochimie 55:263-7, 1973
- CATALYSIS/ CHEMISTRY/ DIODOTYROSINE, analysis/ DRUG STABILITY/ HYDROGEN PEROXIDE/ *IODINE/ IODINE, analysis/ IODINE RADIOISOTOPES/ IODOPROTEINS/ IODOPROTEINS, analysis/ IODOTYROSINE, analysis/ MACROMOLECULAR SYSTEMS/ *PEROXIDASES, metabolism/ *PLANTS, enzymology/ SHEEP/ SODIUM DODECYL SULFATE/ SPECIES SPECIFICITY/ *THYROGLOBULIN/ *THYROID GLAND, enzymology
2870. Pompili G: Gli aspetti radiologici delle alterazioni scheletriche nel linfosarcoma, nel reticulosarcoma e nelle leucemie. Minerva Med 64:2884-92, 21 Jul 73 (Ita)
*BONE AND BONES, radiography/ BONE NEOPLASMS, complications/ *BONE NEOPLASMS, radiography/ BONE RESORPTION, etiology/ BONE RESORPTION, radiography/ HUMAN/ LEUKEMIA, complications/ LEUKEMIA, radiography/ LYMPHOSARCOMA, complications/ LYMPHOSARCOMA, radiography/ SARCOMA, RETICULUM CELL, complications/ SARCOMA, RETICULUM CELL, radiography
2871. Pongs O, Erdmann VA: Affinity labeling of E. coli ribosomes with a streptomycin-analogue. FEBS Lett 37:47-50, 15 Nov 73
AUTORADIOGRAPHY/ BINDING SITES/ CARBON RADIOISOTOPES/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHLORAMPHENICOL, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESCHERICHIA COLI, cytology/ *ESCHERICHIA COLI, metabolism/ HYDRAZONES/ IODINE, metabolism/ IODOACETATES, metabolism/ PEPTIDES, biosynthesis/ PHENYLALANINE, metabolism/ POLY U, metabolism/ PROTEINS, analysis/ PUROMYCIN, metabolism/ *RECEPTORS, DRUG/ RIBOSOMES, analysis/ *RIBOSOMES, metabolism/ *STREPTOMYCIN, metabolism
2872. Pons M, Nicolas JC, Boussloux AM, et al: I. Affinity labelling of an histidine of the active site of the human placental 17 beta-oestradiol dehydrogenase. FEBS Lett 36:23-6, 1 Oct 73
AMINO ACIDS, analysis/ AUTORADIOGRAPHY/ BINDING SITES/ CARBON RADIOISOTOPES/ CHEMISTRY/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ *HISTIDINE, metabolism/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASES, metabolism/ IODOACETATES, chem synthesis/ OXIDATION-REDUCTION/ PEPTIDES, analysis/ PLACENTA, enzymology/ SPECTROPHOTOMETRY, INFRARED
2873. Popeller G: Behandlung des Prostata-Carcinoms mit Gestagenen. Urologe [A] 12:134-9, May 73 (Ger)
*CARCINOMA, drug therapy/ *CHLORMADINONE, therapeutic use/ ENGLISH ABSTRACT/ ESTROGENS, urine/ EVALUATION STUDIES/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ MEDROXYPROGESTERONE, therapeutic use/ MEGESTROL, therapeutic use/ PROGESTERONE, therapeutic use/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, urine
2874. Popovici D: Hipotroidismul indus, tratament adjuvant in cardiopatii. Stud Cercet Endocrinol 24:447-50, 1973 (Rum)
*HEART DISEASES, therapy/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ *THYROID ANTAGONISTS, therapeutic use
2875. Porter BA, Rosenfield RL, Lawrence AM: The levodopa test of growth hormone reserve in children. Am J Dis Child 126:589-92, Nov 73
ADOLESCENCE/ ADULT/ ARGININE/ BLOOD SUGAR, analysis/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DOPA,

AUTHOR SECTION

- adverse effects/ *DOPA, diagnostic use/
DOPA, pharmacodynamics/ FSH, blood/
HUMAN/ HYDROCORTISONE, blood/
HYPOPHYSITARISM, metabolism/ INSULIN/
METHODS/ NAUSEA, chemically induced/
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SOMATOTROPIN, blood/ *SOMATOTROPIN,
secretion/ SOMATOTROPIN RELEASING
HORMONE, secretion/ THYROTROPIN, blood/
THYROTROPIN RELEASING HORMONE,
diagnostic use/ TIME FACTORS
2876. Porter GM, Scratcherd T: The effect of nicotine acid and alloxan on the secretion of electrolytes and amylase by the isolated saline perfused pancreas of the cat. *J Physiol (Lond)* 232:33P-34P, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ALLOXAN, pharmacodynamics/
*AMYLASE, secretion/ ANIMAL
EXPERIMENTS/ CATS/ IN VITRO/
*NICOTINIC ACID, pharmacodynamics/
PANCREAS, drug effects/ PANCREAS,
metabolism/ *PANCREAS, secretion/
PERFUSION
2877. Porter JC, Mical RS, Ben-Jonathan N, et al: Neurovascular regulation of the anterior hypophysis. *Recent Prog Horm Res* 29:161-98, 1973
ANIMAL EXPERIMENTS/ CORTICOSTERONE,
secretion/ FSH, metabolism/
HYPOPHYSECTOMY/ LH, secretion/ LH-FSH
RELEASING HORMONE, pharmacodynamics/
PITUITARY GLAND, blood supply/
PITUITARY GLAND, drug effects/
PITUITARY GLAND, innervation/ PITUITARY
GLAND, metabolism/ *PITUITARY GLAND,
physiology/ RATS/ REGIONAL BLOOD FLOW
2878. Portnoy J, Bloom K, Merigan TC: The effect of bursectomy and thymectomy on the course of avian Influenza virus infection. *Cell Immunol* 9:251-62, Nov 73
ANIMAL EXPERIMENTS/ ANTIGENS/ *BIRD
DISEASES, immunology/ BURSA OF
FABRICIUS, drug effects/ *BURSA OF
FABRICIUS, immunology/ CHICKENS/
ERYTHROCYTES, immunology/
HEMAGGLUTINATION TESTS/
IMMUNOELECTROPHORESIS/ *INFLUENZA,
immunology/ INFLUENZA VIRUSES,
immunology/ LYMPHOCYTE
TRANSFORMATION/ PLANT AGGLUTININS,
pharmacodynamics/ RADIATION CHIMERA/
SHEEP, immunology/ TESTOSTERONE,
pharmacodynamics/ THYMECTOMY/ *THYMUS
GLAND, immunology
2879. Pothisiri P, Carstensen JT: Nonsink dissolution rate equation. *J Pharm Sci* 62:1468-70, Sep 73
BENZOATES/ DOPA/ HYDROCORTISONE/
KINETICS/ MATHEMATICS/ *SOLUBILITY/
SPECTROPHOTOMETRY, ULTRAVIOLET
2880. Poulsen K, Burton J, Haber E: Competitive inhibitors of renin. *Biochemistry* 12:3877-82, 25 Sep 73
AMINO ACIDS, analysis/ AMINOPEPTIDASES,
metabolism/ ANGIOTENSIN/ ANGIOTENSIN,
blood/ BINDING, COMPETITIVE/
CARBOXYPEPTIDASES, metabolism/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ ELECTROPHORESIS,
PAPER/ GEL FILTRATION/ HUMAN/
ISOMERISM/ KINETICS/ LEUCINE/
MATHEMATICS/ OLIGOPEPTIDES, chem
synthesis/ *OLIGOPEPTIDES, metabolism/
OPTICAL ROTATION/ POLYSTYRENES/
RADIOIMMUNOASSAY/ *RENIN, antagonists
& inhibitors/ STRUCTURE-ACTIVITY
RELATIONSHIP/ SWINE
2881. Poutasse EF, Marks LS, Wisoff CP, et al: Renal vein renin determinations in hypertension: falsely negative tests. *J Urol* 110:371-4, Oct 73
ADULT/ AGED/ ANEURYSM, complications/
ANEURYSM, surgery/ ARTERIAL OCCLUSIVE
DISEASES, complications/ ARTERIAL
OCCLUSIVE DISEASES, surgery/
ARTERIOSCLEROSIS, complications/
ARTERIOSCLEROSIS, surgery/ FALSE
- NEGATIVE REACTIONS/ FEMALE/ HUMAN/
*HYPERTENSION, RENAL, blood/
HYPERTENSION, RENAL, etiology/
HYPERTENSION, RENAL, surgery/ MALE/
MIDDLE AGE/ NEPHRECTOMY/ RENAL
ARTERY OBSTRUCTION, complications/
RENAL ARTERY OBSTRUCTION, surgery/
*RENAL VEINS/ *RENIN, blood/
TUBERCULOSIS, RENAL, complications/
TUBERCULOSIS, RENAL, surgery
2882. Povolotskaya GM, Efimov AS, Bezverkhaya TP: Fraktsionnyi sostav 17-ketosteroidov u bol'nykh sakharnym diabetom. *Probl Endokrinol (Mosk)* 19:14-7, Sep-Oct 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ *DIABETES
MELLITUS, urine/ DIABETIC ANGIOPATHIES,
urine/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ *17-KETOSTEROIDS, urine/ MALE/
MIDDLE AGE
2883. Powell GF, Hopwood NJ, Barratt ES: Growth hormone studies before and during catch-up growth in a child with emotional deprivation and short stature. *J Clin Endocrinol Metab* 37:874-9, Nov 73
*AFFECTIVE DISTURBANCES, blood/
AFFECTIVE DISTURBANCES, urine/
ARGININE, diagnostic use/ BLOOD SUGAR,
metabolism/ CHILD/ CHILD, PRESCHOOL/
CORTICOTROPIN, diagnostic use/ FEMALE/
*GROWTH DISORDERS, blood/ GROWTH
DISORDERS, urine/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, urine/
INSULIN, diagnostic use/ METYRAPONE,
diagnostic use/ SLEEP STAGES/
*SOMATOTROPIN, blood/ THYROID GLAND
FUNCTION TESTS
2884. Powers JM, Schaumburg HH: The adrenal cortex in adreno-leukodystrophy. *Arch Pathol* 96:305-10, Nov 73
ADRENAL GLAND DISEASES, complications/
*ADRENAL GLAND DISEASES, pathology/
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ ATROPHY/ CENTRAL
NERVOUS SYSTEM, pathology/ CEREBRAL
SCLEROSIS, DIFFUSE, complications/
*CEREBRAL SCLEROSIS, DIFFUSE, pathology/
CHILD/ CHILD, PRESCHOOL/ CYTOPLASM/
FEMALE/ HUMAN/ LEUKODYSTROPHY,
GLOBOID CELL, complications/
LEUKODYSTROPHY, GLOBOID CELL, familial
& genetic/ LEUKODYSTROPHY, GLOBOID
CELL, pathology/ LEUKODYSTROPHY,
METACHROMATIC, complications/
LEUKODYSTROPHY, METACHROMATIC,
pathology/ MALE/ MEDULLA OBLONGATA,
pathology/ MICE/ MICROSCOPY, ELECTRON/
NEUROLOGIC MANIFESTATIONS
2885. Prader A: Vitamin D-resistente Rachitisformen. *Monatsschr Kinderheilkd* 121:348-53, Jul 73 (Ger)
BONE NEOPLASMS, complications/ CHILD/
CHILD, PRESCHOOL/ DIAGNOSIS,
DIFFERENTIAL/ FEMALE/ HUMAN/
HYPOPHOSPHATEMIA, FAMILIAL,
complications/ MALE/ RENAL TUBULAR
TRANSPORT, INBORN ERRORS,
complications/ RIBS/ RICKETS, familial &
genetic/ *RICKETS, VITAMIN D RESISTANT,
diagnosis/ RICKETS, VITAMIN D RESISTANT,
etiology
2886. Prasad KN, Gilmer K, Kumar S: Morphologically "differentiated" mouse neuroblastoma cells induced by noncyclic AMP agents: levels of cyclic AMP, nucleic acid and protein. *Proc Soc Exp Biol Med* 143:1168-71, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ CLONE
CELLS/ *DNA, NEOPLASM, metabolism/
MALE/ MICE/ *NEOPLASM PROTEINS,
metabolism/ NEOPLASMS,
RADIATION-INDUCED, metabolism/
*NEUROBLASTOMA, metabolism/ *RNA,
NEOPLASM, metabolism
2887. Prechtel K, Seidel H: Brustdrüsenveränderungen nach Langzeitbehandlung mit sogenannten Ovulationshemmern. *Verb Dtsch Ges Kreislaufforsch* 58:529-32, 1972 (Ger)

AUTHOR SECTION

- ADENOFIBROMA, chemically induced/
ADENOFIBROMA, occurrence/ ADULT/
BREAST, drug effects/ BREAST, pathology/
*BREAST DISEASES, chemically induced/
BREAST NEOPLASMS, chemically induced/
BREAST NEOPLASMS, occurrence/
*CONTRACEPTIVES, ORAL, adverse effects/
ENGLISH ABSTRACT/ FEMALE/ GERMANY,
WEST/ HUMAN/ LONG TERM CARE
888. Predescu V, Christodorescu D, Coltoiu A, et al: Syndrome de Cockayne.
Arch Fr Pediatr 30:527-32, May 73 (Fre)
*ABNORMALITIES, MULTIPLE/ ADULT/
CASE REPORT/ CHILD/ CHILD,
PRESCHOOL/ CHROMOSOMES, HUMAN, 6-12/
DEAFNESS/ DERMATITIS/
DERMATOGLYPHICS/ *DWARFISM/
ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ EYE MANIFESTATIONS/
HUMAN/ INFANT/ INFANT, NEWBORN/
KARYOTYPING/ MALE/ MENTAL
RETARDATION/ NEUROLOGIC
MANIFESTATIONS/ SKIN MANIFESTATIONS/
SKULL, radiography/ TRISOMY
889. Prejean JD, Peckham JC, Casey AE, et al: Spontaneous tumors in Sprague-Dawley rats and Swiss mice.
Cancer Res 33:2788-73, Nov 73
ADRENAL GLAND NEOPLASMS, occurrence/
ADRENAL GLAND NEOPLASMS, veterinary/
ANIMAL EXPERIMENTS/ *ANIMALS,
LABORATORY/ FEMALE/ MALE/ MAMMAE/
*MICE/ NEOPLASMS, occurrence/
*NEOPLASMS, veterinary/ PITUITARY
NEOPLASMS, occurrence/ PITUITARY
NEOPLASMS, veterinary/ *RATS/
RESPIRATORY TRACT NEOPLASMS,
occurrence/ RESPIRATORY TRACT
NEOPLASMS, veterinary/ *RODENT
DISEASES, occurrence/ SEX FACTORS/
UROGENITAL NEOPLASMS, occurrence/
UROGENITAL NEOPLASMS, veterinary
890. Prépin J, Vigier B, Jost A: Croissance du fœtus de veau de grossesse simple ou multiple à l'époque de la différenciation sexuelle (42 à 70 jours).
Ann Biol Anim Biochim Biophys 12:545-58, 1972 (Fre)
ANIMAL EXPERIMENTS/ ANUS, embryology/
BODY HEIGHT/ BODY WEIGHT/ CATTLE/
CELL DIFFERENTIATION/ ENGLISH
ABSTRACT/ FEMALE/ *FETUS, growth &
development/ GENITALIA, FEMALE,
embryology/ GENITALIA, MALE, embryology/
GESTATIONAL AGE/ MALE/ *PREGNANCY,
ANIMAL/ *PREGNANCY, MULTIPLE/
REGRESSION ANALYSIS/ REPRODUCTION/
SEX DETERMINATION/ SEX FACTORS/
URETER, embryology
891. Presant CA, Safdar SH, Cherrick H: Gingival leukemic infiltration in chronic lymphocytic leukemia.
Oral Surg 38:872-4, Nov 73
CASE REPORT/ DENTAL CALCULUS/
DENTAL PROPHYLAXIS/ *GINGIVAL
HYPERPLASIA, etiology/ HEMORRHAGE,
ORAL, etiology/ HUMAN/ *LEUKEMIA,
LYMPHOCYTIC, complications/ LEUKEMIA,
LYMPHOCYTIC, drug therapy/ MALE/
METHYLPREDNISOLONE, therapeutic use/
MIDDLE AGE/ *ORAL MANIFESTATIONS
892. Presant CA, Wiernik PH, Serpick AA: Factors affecting survival in nocardiosis.
Am Rev Respir Dis 108:1444-8, Dec 73
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ ADULT/ AGE
FACTORS/ AGED/ ANTINEOPLASTIC
AGENTS, therapeutic use/ CENTRAL
NERVOUS SYSTEM DISEASES, mortality/
CHILD/ CHILD, PRESCHOOL/ FEMALE/
GASTROINTESTINAL DISEASES, mortality/
HUMAN/ INFANT/ KIDNEY DISEASES,
mortality/ LUNG DISEASES, mortality/
MALE/ MIDDLE AGE/ NOCARDIA
INFECTIONS, drug therapy/ *NOCARDIA
INFECTIONS, mortality/ RESPIRATORY
TRACT INFECTIONS, mortality/
RETROSPECTIVE STUDIES/ SEX FACTORS/
SKIN DISEASES, INFECTIOUS, mortality
2893. Presl J: Existují rozdíly v sexuální diferenciaci hypothalamu mezi primáty a hlodavci.
Cesk Gynekol 38:550-1, Jul 73 (Cze)
ANIMAL EXPERIMENTS/ FEMALE/
*HYPOTHALAMUS, physiology/ *MACACA,
physiology/ MALE/ *RODENTS, physiology/
*SEX DETERMINATION/ SPECIES
SPECIFICITY
2894. Presl J, Herzmann J, Röhling S, et al: Developmental changes in regional distribution of estrogenic metabolites in the female rat hypothalamus.
Endocrinol Exp (Bratisl) 7:189-92, Sep 73
AGING/ ANIMAL EXPERIMENTS/
CASTRATION/ CEREBELLAR CORTEX,
analysis/ CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ ESTRADIOL,
analysis/ *ESTRADIOL, metabolism/ ESTRADIOL,
analysis/ *ESTRIOL, metabolism/ ESTRONE,
analysis/ *ESTRONE, metabolism/ FEMALE/
HYPOTHALAMO-HYPOPHYSAL SYSTEM,
metabolism/ HYPOTHALAMUS, analysis/
*HYPOTHALAMUS, metabolism/ RATS/
TRITIUM
2895. Preslock JP, Hampton JK Jr: Ornithine decarboxylase stimulation by 3',5'-cyclic AMP in oviduct of Coturnix quail. Am J Physiol 225:903-7, Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CARBOXY-LYASES,
biosynthesis/ *CARBOXY-LYASES, metabolism/
DIETHYLSTILBESTROL, pharmacodynamics/
ENZYME INDUCTION/ ESTRADIOL,
pharmacodynamics/ LIVER, drug effects/
LIVER, enzymology/ ORNITHINE/ OVARY,
drug effects/ OVARY, enzymology/
OVIDUCTS, drug effects/ *OVIDUCTS,
enzymology/ QUAIL/ STIMULATION,
CHEMICAL/ TIME FACTORS
2896. Přibyl T, Kraml J, Schreiber V: Preferential association of thyroxine with mitochondrial fraction from control and oestrogenized rat adenohypophyses.
Horm Res 4:114-21, 1973
ANIMAL EXPERIMENTS/ CELL NUCLEUS,
metabolism/ CYTOSOL, metabolism/
ESTRADIOL, pharmacodynamics/ IODINE
RADIOISOTOPES/ MALE/ MICROSOMES,
metabolism/ *MITOCHONDRIA, metabolism/
PITUITARY GLAND, cytology/ PITUITARY
GLAND, drug effects/ *PITUITARY GLAND,
metabolism/ PROTEINS, metabolism/ RATS/
*THYROXINE, metabolism
2897. Price EO, Loomis S: Maternal influence on the response of wild and domestic Norway rats to a novel environment. Dev Psychobiol 8:203-8, May 73
ADRENAL GLANDS, anatomy & histology/
ANIMAL EXPERIMENTS/ *BEHAVIOR,
ANIMAL/ BODY WEIGHT/ *ENVIRONMENT/
*EXPLORATORY BEHAVIOR/
EXTRACHROMOSOMAL INHERITANCE/
FEMALE/ GENETICS, BEHAVIORAL/
GENOTYPE/ GROOMING/ HOUSING,
ANIMAL/ *HYBRIDIZATION/ LOCOMOTION/
MALE/ ORGAN WEIGHT/ RATS/ REACTION
TIME
2898. Price LW: Practical course in liquid scintillation counting. 8. Hazard and safety aspects of liquid scintillation counting. Lab Pract 22:571-4, Sep 73
BONE AND BONES, radiation effects/
HALF-LIFE/ HEALTH PHYSICS/ HUMAN/
RADIATION EFFECTS/ RADIATION
MONITORING/ *RADIATION PROTECTION/
RADIOACTIVE WASTE/ *RADIOISOTOPE
SCANNING/ RADIOISOTOPES/
*SCINTILLATION COUNTERS/ SPLEEN,
radiation effects/ THYROID GLAND, radiation
effects
2899. Pritchard ET: Sulpholipid labelling from (35S)-sulphate by various rat tissues in vitro.
Arch Oral Biol 18:1337-40, Oct 73
ANIMAL EXPERIMENTS/ BRAIN STEM,
metabolism/ IN VITRO/ KIDNEY, metabolism/
*LIPIDS, metabolism/ LIVER, metabolism/
LUNG, metabolism/ MALE/ MYOCARDIUM,
metabolism/ PANCREAS, metabolism/

AUTHOR SECTION

- PAROTID GLAND, metabolism/ RATS/
SPLEEN, metabolism/ SUBLINGUAL GLAND,
metabolism/ *SUBMANDIBULAR GLAND,
metabolism/ SUBMANDIBULAR GLAND,
secretion/ SULFATES, metabolism/ *SULFUR,
metabolism/ SULFUR RADIOISOTOPES/
TESTIS, metabolism
2900. Pronina NN, Kulaev DV, Totrova EA: K mekhanizmu
diureticheskogo dlistvija paratgormona.
Fiziol Zh SSSR 59:936-9, Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *DIURESIS, drug
effects/ DOGS/ ENGLISH ABSTRACT/
KIDNEY CONCENTRATING ABILITY, drug
effects/ *PARATHYROID HORMONE,
pharmacodynamics
2901. Pross H, Eldinger D: In vitro studies of 'antigenic
competition'. II. Reconstitution of the immune defect
and the relationship between antigen-induced
suppression and non-specific enhancement.
Immunology 25:269-81, Aug 73
ANIMAL EXPERIMENTS/ ANTIBODY
FORMATION/ *ANTIGEN-ANTIBODY
REACTIONS/ ANTILYMPHOCYTE SERUM,
pharmacodynamics/ BONE MARROW CELLS,
immunology/ CELLS, CULTURED/
CORTISONE, pharmacodynamics/
ERYTHROCYTES, immunology/ FEMALE/
HEMOCYANIN/ HISTOCOMPATIBILITY/
MALE/ MICE, immunology/ MICE, INBRED
CBA/ MOLLUSCA/ RADIATION EFFECTS/
SPLEEN, cytology/ SPLEEN, radiation effects/
THYMECTOMY/ THYMUS GLAND, cytology/
THYMUS GLAND, drug effects
2902. Prost G, Dechavanne M, Levenq P, et al: Lettre: Ictère
cholistatique dû au carbimazole.
Nouv Presse Med 2:2479, 20 Oct 73 (Fre)
*CARBIMAZOLE, adverse effects/
CARBIMAZOLE, therapeutic use/ CASE
REPORT/ *CHOLESTASIS, chemically induced/
GOITER, EXOPHTHALMIC, drug therapy/
HUMAN/ LYMPHOCYTE TRANSFORMATION/
MALE/ MIDDLE AGE
2903. Provoost AP, Kemp JA de, Jong W de: Effect of
neonatal 6-hydroxydopamine treatment on the blood
pressure response to noradrenaline and tyramine in
rats. Eur J Pharmacol 23:297-301, Sep 73
ADRENAL GLANDS, analysis/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ *BLOOD PRESSURE,
drug effects/ DRUG INTERACTIONS/
*HYDROXYDOPAMINE, pharmacodynamics/
MALE/ MYOCARDIUM, analysis/
NOREPINEPHRINE, analysis/
*NOREPINEPHRINE, pharmacodynamics/
RATS/ RATS, INBRED STRAINS/
SPECTROMETRY, FLUORESCENCE/ SPLEEN,
analysis/ *TYRAMINE, pharmacodynamics
2904. Prox A: Some applications of mass spectrometry in
drug metabolism studies.
Xenobiotica 3:473-92, Jul 73 (31 ref.)
AMPHETAMINE, analysis/ BROMINE/
CARBON ISOTOPES/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
CINNAMATES, analysis/ COMPARATIVE
STUDY/ DEUTERIUM/ DRUGS, analysis/
*DRUGS, metabolism/ EVALUATION
STUDIES/ FLUORINE/ FLUOROACETATES,
urine/ ISOTOPE LABELING/ Mescaline,
analysis/ METHODS/ MICROCHEMISTRY/
REVIEW/ *SPECTRUM ANALYSIS, MASS/
TEMPERATURE/ THIOCYANATES, analysis/
TIME FACTORS
2905. Prudnikova RV: Sostolanie gemodnamiki u bol'nykh
tirotozskozom.
Vrach Delo 6:66-9, Jun 73 (Rus)
ENGLISH ABSTRACT/ *HEMODYNAMICS/
HUMAN/ *HYPERTHYROIDISM,
physiopathology
2906. Pruszewicz A, Obrębski A, Jassem W, et al:
Ausgeprägte akustische Merkmale virilisierter
Mädchenstimmen.
Folia Phoniatr (Basel) 25:331-41, 1973 (Ger)
- *ACOUSTICS/ ADOLESCENCE/ *ANABOLIC
STEROIDS, adverse effects/ CHILD/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
*LARYNGEAL DISEASES, familial & genetic/
MALE/ MUTATION/ *VIRILISM, chemically
induced/ *VOICE
2907. Pugh JW, Rose RM, Radin EL: Elastic and viscoelastic
properties of trabecular bone: dependence on
structure. J Biomech 6:475-85, Sep 73
BIOMECHANICS/ *BONE AND BONES,
physiology/ ELASTICITY/ FEMUR, cytology/
FEMUR, physiology/ HUMAN/
MATHEMATICS/ STRESS, MECHANICAL
2908. Pugliarello MC, Vittur F, Bernard B de, et al: Analysis
of bone composition at the microscopic level.
Calcif Tissue Res 12:209-16, 1973
ANIMAL EXPERIMENTS/ *BONE AND
BONES, analysis/ BONE AND BONES,
cytology/ CALCIFICATION, PHYSIOLOGIC/
CALCIUM, analysis/ CATTLE/ COLLAGEN,
analysis/ HISTOCYTOCHEMISTRY/
HYDROXYPROLINE, analysis/
MUCOPOLYSACCHARIDES, analysis/
NITROGEN, analysis/ PERIOSTEUM, analysis/
PHOSPHORUS, analysis
2909. Punnett HH, Kistenmacher ML, Pileggi AJ: Letter: The
Russell-Silver syndrome? or trisomy 18?
Pediatrics 52:756-7, Nov 73
*CRANIOFACIAL DYSOSTOSIS/ *DWARFISM/
HUMAN/ *KIDNEY, abnormalities/ *TRISOMY
2910. Punnett HH, Kistenmacher ML, Toro-Sola M: Letter:
Testicular feminisation and inguinal hernia.
Lancet 2:852, 13 Oct 73
CHILD/ CHROMATIN, analysis/ FEMALE/
HUMAN/ *INGUINAL HERNIA, complications/
PUBERTY/ *TESTICULAR FEMINIZATION,
complications/ TESTICULAR FEMINIZATION,
diagnosis
2911. Purde MK, Taigro VI, Khint EK, et al: Issledovanie
épidemiologii opukholei molochnoi zhelezy v
Estonskoj SS. Sov Med 36:138-40, Jun 73 (Rus)
ADENOFIBROMA, occurrence/ ADULT/
*BREAST NEOPLASMS, occurrence/
ESTROGEN/ FEMALE/ GOITER, ENDEMIC,
occurrence/ GYNECOLOGIC NEOPLASMS,
occurrence/ HUMAN/ MIDDLE AGE/
PREGNANCY/ THYROID GLAND FUNCTION
TESTS/ VAGINAL SMEARS
2912. Purpón I, Albores-Saavedra J: Testicular infarction.
Int Surg 58:740, Oct 73
CASE REPORT/ HUMAN/ *INFARCTION,
diagnosis/ INFARCTION, pathology/ MALE/
MIDDLE AGE/ *TESTIS, blood supply/
TESTIS, pathology
2913. Pursel VG, Johnson LA, Schulman LL: Fertilizing
capacity of boar semen stored at 15 C.
J Anim Sci 37:532-5, Aug 73
ANIMAL EXPERIMENTS/ *COLD/ ESTRUS/
FEMALE/ *FERTILIZATION/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ INSEMINATION,
ARTIFICIAL/ MALE/ OVULATION, drug
effects/ PREGNANCY/ *PRESERVATION,
BIOLOGICAL/ *SEMEN/ *SPERMATOZOA,
physiology/ *SWINE, physiology
2914. Purvis RJ, Barrle WJ, MacKay GS, et al: Enamel
hypoplasia of the teeth associated with neonatal
tetany: a manifestation of maternal vitamin-D
deficiency. Lancet 2:811-4, 13 Oct 73
CHILD, PRESCHOOL/ *DENTAL ENAMEL
HYPOPLASIA, etiology/ FEMALE/ HUMAN/
INFANT, NEWBORN/ *INFANT, NEWBORN,
DISEASES/ MALE/ PREGNANCY/
*PREGNANCY COMPLICATIONS/ *TETANY,
complications
2915. Putkonen PT: Sex difference in social aggression and
escape elicited by brain stimulation in cocks and in
bens. Brain Res 59:432-6, 14 Sep 73
*AGGRESSION/ ANIMAL EXPERIMENTS/
*BRAIN, physiology/ *CHICKENS/ ELECTRIC

AUTHOR SECTION

- STIMULATION/ *ESCAPE REACTION/ FEAR/
FEMALE/ MALE/ SEX FACTORS/ SEX
HORMONES, physiology/ SOCIAL BEHAVIOR
916. Putterman AM, Urlist MJ: Baggy eyelids--a true hernia.
Ann Ophthalmol 5:1029-32, Sep 73
*ADIPOSE TISSUE/ ADULT/
EXOPHTHALMOS, complications/ EYE
DISEASES, complications/ *EYELID
DISEASES, etiology/ EYELID DISEASES,
familial & genetic/ EYELIDS/ FEMALE/
*HERNIA, complications/ HERNIA, surgery/
HUMAN/ METHODS/ MIDDLE AGE/ *ORBIT/
ORBIT, anatomy & histology/
POSTOPERATIVE COMPLICATIONS
917. Pytasz M: Neuro-hormonalna regulacja czynności
nerek. Acta Physiol Pol [Suppl] 24:735-45, 1973 (Pol)
ALDOSTERONE, physiology/ ANGIOTENSIN,
physiology/ CATECHOLAMINES, physiology/
HUMAN/ KIDNEY, blood supply/ KIDNEY,
innervation/ *KIDNEY, physiology/
NEUROHUMORS, physiology/
PARASYMPATHETIC NERVOUS SYSTEM,
physiology/ RENIN, physiology/
SYMPATHETIC NERVOUS SYSTEM,
physiology/ VASOPRESSIN, physiology
- Q
918. Qazi QE, Hill JG: A modified method for the estimation
of pregnanediol, pregnanetriol and seven common
17-ketosteroids in urine by gas-liquid
chromatography. Steroids 22:311-25, Sep 73
ADULT/ CHROMATOGRAPHY, GAS/
FEMALE/ HUMAN/ HYDROLYSIS/
*17-KETOSTEROIDS, urine/ MALE/
METHODS/ *PREGNANEDIOL, urine/
*PREGNANETRIOL, urine/ SEX FACTORS/
SILICON/ SNAILS
919. Quattropani SL, Welsz J: Conversion of progesterone to
estrone and estradiol in vitro by the ovary of the
infantile rat in relation to the development of its
interstitial tissue. Endocrinology 93:1239-76, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
*ESTRADIOL, biosynthesis/ *ESTRONE,
biosynthesis/ FEMALE/ FIBROBLASTS/
HISTOCYTOCHEMISTRY/ HYDROXYSTEROID
DEHYDROGENASES, analysis/ LIPIDS,
analysis/ OVARY, analysis/ OVARY, cytology/
OVARY, enzymology/ *OVARY, metabolism/
*PROGESTERONE, metabolism/ RATS/
TRITIUM
920. Quek ES, Buttery JE, Witt GF de: Use of "sephadex
G-15" in an improved method for estrogens in
pregnancy urine. Clin Chem 19:1204-8, Oct 73
COLORIMETRY/ ESTRIOL, urine/
*ESTROGENS, urine/ FEMALE/ GEL
FILTRATION/ GLUCURONIDASE/ HUMAN/
HYDROLYSIS/ KINETICS/ MATHEMATICS/
METHODS/ *PREGNANCY
- R
921. Rabinowitz B, Parmley WW, Bonnors G, et al: Effects
of D- and DL-propranolol on myocardial adenyl
cyclase activity.
Proc Soc Exp Biol Med 143:1072-8, Sep 73
*ADENYL CYCLASE, metabolism/
*ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CATS/ DEPRESSION,
CHEMICAL/ GUINEA PIGS/ *HEART, drug
effects/ IN VITRO/ MYOCARDIUM,
enzymology/ *PROPRANOLOL,
pharmacodynamics
922. Rabinowitz D, Bell J, Benveniste R, et al: Multiple
antigenic and biological determinants of human FSH
and its subunits.
Nature [New Biol] 245:245-7, 24 Oct 73
ANIMAL EXPERIMENTS/ ANTIBODY
SPECIFICITY/ *ANTIGENIC DETERMINANTS/
*FSH, analysis/ HUMAN/ IODINE
RADIOISOTOPES/ MALE/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
RADIOLIGAND ASSAY/ RATS/ RECEPTORS,
HORMONE/ TESTIS, metabolism
2923. Rabinowitz MB, Wetherill GW, Kopple JD: Lead
metabolism in the normal human: stable isotope
studies. Science 182:725-7, 16 Nov 73
BONE AND BONES, metabolism/ DIET/
GASTROINTESTINAL SYSTEM, metabolism/
HAIR, metabolism/ HALF-LIFE/ HUMAN/
ISOTOPES/ KINETICS/ LEAD, blood/ *LEAD,
metabolism/ LEAD, urine/ MALE/ MIDDLE
AGE
2924. Rachev R, Fillipova E, Milanov S, et al: Vlianie iodnykh
soedinenii na nakoplenie I 131 v sbchitovidnoizbeleze
i na sodержanie tireotropnogo gormona v plazme
krovi.
Probl Endokrinol (Mosk) 19:99-105, Sep-Oct 73 (Rus)
ANIMAL EXPERIMENTS/ *IODINE,
pharmacodynamics/ IODINE RADIOISOTOPES/
RATS/ *THYROID GLAND, metabolism/
THYROIDECTOMY/ THYROTROPIN, blood
2925. Racine RJ, Burnham WM, Gartner JG: First trial motor
seizures triggered by amygdaloid stimulation in the
rat.
Electroencephalogr Clin Neurophysiol 35:487-94, Nov
73
*AMYGDALOID BODY, physiopathology/
ANALYSIS OF VARIANCE/ ANIMAL
EXPERIMENTS/ *CONVULSIONS,
physiopathology/ DISEASE MODELS, ANIMAL/
ELECTRIC STIMULATION/ EPILEPSY,
TEMPORAL LOBE/ EVOKED POTENTIALS/
MALE/ MOTOR ACTIVITY/ RATS
2926. Racine RJ, Burnham WM, Gartner JG, et al: Rates of
motor seizure development in rats subjected to
electrical brain stimulation: strain and
inter-stimulation interval effects.
Electroencephalogr Clin Neurophysiol 35:553-6, Nov
73
ACTION POTENTIALS/ *AMYGDALOID
BODY, physiopathology/ ANALYSIS OF
VARIANCE/ ANIMAL EXPERIMENTS/
*CONVULSIONS, physiopathology/ ELECTRIC
STIMULATION/
ELECTROENCEPHALOGRAPHY/ MALE/
MOTOR ACTIVITY/ NEURAL CONDUCTION/
RATS/ TIME FACTORS
2927. Raczynska B: Metabolites of cortisol excreted in urine
of healthy infants in the course of development.
Mater Med Pol 5:190-3, Jul-Sep 73
AGE FACTORS/ CHROMATOGRAPHY, THIN
LAYER/ *CORTISONE, urine/ FEMALE/
HUMAN/ *HYDROCORTISONE, urine/
INFANT/ INFANT, NEWBORN/ MALE/
TETRAHYDROCORTISOL, urine/
TETRAHYDROCORTISONE, urine
2928. Radulovački M: Comparison of effects of paradoxical
sleep deprivation and immobilization stress on
5-hydroxyindoleacetic acid in cerebrospinal fluid.
Brain Res 60:255-8, 28 Sep 73
ANIMAL EXPERIMENTS/ *BRAIN,
metabolism/ CATS/
*HYDROXYINDOLEACETIC ACID,
cerebrospinal fluid/ IMMOBILIZATION/
*SEROTONIN, metabolism/ *SLEEP
DEPRIVATION/ *SLEEP, REM/ *STRESS,
metabolism
2929. Raeymaekers L, Wuytack F, Casteels R: Na-Ca
exchange in smooth muscle cells of taenia coli.
Arch Int Pharmacodyn Ther 204:196-7, Jul 73
ANIMAL EXPERIMENTS/ BINDING SITES/
*CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ CELL MEMBRANE,
metabolism/ COLON, cytology/ *COLON,
metabolism/ IN VITRO/ KINETICS/ *MUSCLE,
SMOOTH, metabolism/ *SODIUM, metabolism/
SUCROSE, pharmacodynamics
2930. Rafli MR, Burmeister H: Grobke Zyste eines
Epithelkörperchenadenoms und klinisch manifester
primärer Hyperparathyreoidismus.
Zentralbl Allg Pathol 117:170-5, 1973 (Ger)
ADENOMA, complications/ AUTOPSY/
AUTOPSY, pathology/ CASE REPORT/
*CYSTS, complications/ CYSTS, pathology/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*HYPERPARATHYROIDISM, complications

AUTHOR SECTION

- HYPERPARATHYROIDISM, pathology/
MIDDLE AGE/ *PARATHYROID DISEASES,
complications/ PARATHYROID DISEASES,
pathology/ *PARATHYROID NEOPLASMS,
complications/ PARATHYROID NEOPLASMS,
pathology
2931. Rager K, Huenges R, Gupta D, et al: The treatment of precocious puberty with cyproterone acetate. *Acta Endocrinol (Kbh)* 74:399-408, Oct 73
ANDROSTERONE, urine/ BODY HEIGHT/
BODY WEIGHT/ BONE DEVELOPMENT, drug
effects/ CHILD/ CHILD, PRESCHOOL/
*CYPROTERONE, therapeutic use/
DEHYDROEPIANDROSTERONE, urine/
ETIOCHOLANOLONE, urine/ FEMALE/
HUMAN/ MALE/ PROGNOSIS/ PUBERTY,
PRECOCIOUS, diagnosis/ *PUBERTY,
PRECOCIOUS, drug therapy/ PUBERTY,
PRECOCIOUS, urine/ TESTOSTERONE, urine/
TIME FACTORS
2932. Rager K, Huenges R, Blerich JR, et al: Behandlung des AGS mit Hydrocortison. *Monatsschr Kinderheilkd* 121:411-2, Jul 73 (Ger)
*ADRENOGENITAL SYNDROME,
drug therapy/ ANDROGENS, urine/ BODY
HEIGHT/ BODY WEIGHT/ BONE
DEVELOPMENT/ CHILD/ FEMALE/ HUMAN/
HYDROCORTISONE, administration & dosage/
*HYDROCORTISONE, therapeutic use/ MALE/
PREDNISONE, therapeutic use/
PREGNANETRIOL, urine
2933. Raikhlin NT: Ultrastructural organ-specificity and polymorphism of the cancer cells. *Neoplasma* 20:567-78, May 73
BLADDER, cytology/ BLADDER NEOPLASMS,
pathology/ CELL DIFFERENTIATION/
FIBROBLASTS, cytology/ FIBROSARCOMA,
pathology/ HUMAN/ IN VITRO/ LIVER,
cytology/ LIVER NEOPLASMS, pathology/
MELANOCYTES, cytology/ MELANOMA,
pathology/ MICROSCOPY, ELECTRON/
MUSCLES, cytology/ MYOFIBRILS/
*NEOPLASMS, pathology/ *ORGAN
SPECIFICITY/ *POLYMORPHISM
(GENETICS)/ RHABDOMYOSARCOMA,
pathology/ SKIN, cytology/ SKIN
NEOPLASMS, pathology/ SYNOVIAL
MEMBRANE, cytology/ SYNOVIOMA,
pathology/ THYROID GLAND, cytology/
THYROID NEOPLASMS, pathology
2934. Raith L: Symptomatik und Therapie paraneoplastischer Endokrinopathien. *Munch Med Wochenschr* 115:892-8, 11 May 73 (Ger)
ADRENAL GLAND NEOPLASMS, metabolism/
CORTICOTROPIN, secretion/ ENGLISH
ABSTRACT/ ERYTHROPOIETIN, secretion/
GONADOTROPINS, PITUITARY, secretion/
HUMAN/ INSULIN, secretion/ LIVER
NEOPLASMS, metabolism/ LUNG
NEOPLASMS, metabolism/ MALIGNANT
CARCINOID SYNDROME, metabolism/ MSH,
secretion/ *NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES, diagnosis/ NEOPLASTIC
ENDOCRINE-LIKE SYNDROMES, metabolism/
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES,
therapy/ PANCREATIC NEOPLASMS,
metabolism/ PROLACTIN, secretion/
SEROTONIN, secretion/ SOMATOTROPIN,
secretion/ THYMUS NEOPLASMS, metabolism/
VASOPRESSIN, secretion
2935. Raiti S, Trias E, Levitsky L, et al: Oxandrolone and human growth hormone. Comparison of growth-stimulating effects in short children. *Am J Dis Child* 126:597-600, Nov 73
ABNORMALITIES, MULTIPLE, complications/
ADOLESCENCE/ AGE DETERMINATION BY
SKELETON/ BODY HEIGHT, drug effects/
BONE DEVELOPMENT, drug effects/ CHILD/
COMPARATIVE STUDY/ DRUG THERAPY,
COMBINATION/ *GROWTH, drug effects/
HAND-SCHUELLER-CHRISTIAN SYNDROME,
drug therapy/ HUMAN/ HYPOGONADISM,
drug therapy/ *HYPOPITUITARISM, drug
therapy/ MALE/ MENTAL RETARDATION,
complications/ OBESITY, complications/
OXANDROLONE, administration & dosage/
*OXANDROLONE, therapeutic use/
SOMATOTROPIN, administration & dosage/
*SOMATOTROPIN, therapeutic use/
SYNDROME
2936. Raitt JR, Hotaling WH 3d: Preparation of stable prednisone suspension. *Am J Hosp Pharm* 30:923-4, Oct 73
DRUG COMPOUNDING/ DRUG STABILITY/
FLAVORING AGENTS/ METHODS/
*PREDNISONE/ PREDNISONE, analysis/
SUSPENSIONS
2937. Rajalakshmi R, Ramakrishnan CV: Nutrition and brain function. *World Rev Nutr Diet* 15:35-85, 1972 (192 ref.)
AGE FACTORS/ AMINOBUTYRIC ACID,
metabolism/ ANIMAL EXPERIMENTS/ BODY
HEIGHT/ BRAIN, metabolism/ *BRAIN,
physiology/ BRAIN CHEMISTRY/ CHILD/
CHILD, PRESCHOOL/ COPPER/ DEFICIENCY
DISEASES, complications/ DNA, analysis/
GLUTAMATES, metabolism/ HUMAN/
INFANT/ INFANT, NEWBORN/ *INFANT
NUTRITION DISORDERS, complications/
INTELLIGENCE/ IODINE/ KWASHIORKOR,
complications/ MENTAL RETARDATION,
etiology/ *NUTRITION/ NUTRITION
DISORDERS, complications/ ORGAN WEIGHT/
PROTEIN DEFICIENCY, complications/
REVIEW/ STARVATION, complications/
SWINE/ VITAMINS
2938. Rajanemi H, Vanha-Perttula T: Distribution of HCG and asialo-HCG in the mouse: quantitative and radioautographic studies. *Horm Res* 4:177-89, 1973
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ CORPUS LUTEUM,
metabolism/ FEMALE/ *GONADOTROPINS,
CHORIONIC, metabolism/ HUMAN/
HYDROLYSIS/ IODINE RADIOISOTOPES/
KIDNEY, metabolism/ LIVER, metabolism/
MICE/ NEURAMINIC ACIDS/
NEURAMINIDASE/ OVARY, metabolism/
PREGNANCY/ PROTEINS, analysis/ STAINS
AND STAINING/ TIME FACTORS
2939. Rakoff JS, Siler TM, Sinha YN, et al: Prolactin and growth hormone release in response to sequential stimulation by arginine and synthetic TRF. *J Clin Endocrinol Metab* 37:641-4, Nov 73
ADULT/ *ARGININE,
administration & dosage/ ARGinine,
pharmacodynamics/ COMPARATIVE STUDY/
FEMALE/ HUMAN/ IODINE RADIOISOTOPES/
MALE/ *PROLACTIN, blood/
RADIOIMMUNOASSAY/ SEX FACTORS/
*SOMATOTROPIN, blood/ *THYROTROPIN
RELEASING HORMONE, administration &
dosage/ THYROTROPIN RELEASING
HORMONE, pharmacodynamics/ TIME
FACTORS
2940. Ramanathan S, Chou SC: Cyclic nucleotide phosphodiesterase from Tetrahymena. *Comp Biochem Physiol [B]* 46:93-7, 15 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ANIMAL EXPERIMENTS/ CAFFEINE,
pharmacodynamics/ COMPARATIVE STUDY/
DRUG STABILITY/ ENZYME ACTIVATION/
GEL FILTRATION/ IMIDAZOLES,
pharmacodynamics/ ISOENZYMES, metabolism/
PAPAVERINE, pharmacodynamics/
PHOSPHODIESTERASES, antagonists &
inhibitors/ *PHOSPHODIESTERASES,
metabolism/ TETRAHYMENA, drug effects/
*TETRAHYMENA, enzymology/
THEOPHYLLINE, pharmacodynamics/ TIME
FACTORS/ TRITIUM
2941. Ramirez G, Jubiz W, Gutch CF, et al: Thyroid abnormalities in renal failure. A study of 53 patients on chronic hemodialysis. *Ann Intern Med* 79:500-4, Oct 73
ADOLESCENCE/ ADULT/ FEMALE/ *GOITER,
complications/ GOITER, drug therapy/
HEMODIALYSIS/ HUMAN/ IODINE
ISOTOPES, DIAGNOSTIC/ *KIDNEY
FAILURE, CHRONIC, complications/ KIDNEY
FAILURE, CHRONIC, physiopathology/ MALE/

AUTHOR SECTION

- SERUM ALBUMIN, analysis/ *THYROID GLAND, physopathology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN RELEASING HORMONE, therapeutic use/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, blood
2942. Ramírez I, Fierro-Benítez R, Estrella E, et al: The results of prophylaxis of endemic cretinism with iodized oil in rural Andean Ecuador. *Adv Exp Med Biol* 30:223-37, 1972
BRAIN, growth & development/ CEPHALOMETRY/ CHILD/ CHILD DEVELOPMENT, drug effects/ CHILD, PRESCHOOL/ *CRETINISM, prevention & control/ ECUADOR/ EVALUATION STUDIES/ FEMALE/ *FETAL DISEASES, prevention & control/ FOLLOW-UP STUDIES/ GESTATIONAL AGE/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTELLIGENCE, drug effects/ IODIZED OILS, administration & dosage/ *IODIZED OILS, therapeutic use/ LANGUAGE DEVELOPMENT, drug effects/ MALE/ MATERNAL-FETAL EXCHANGE/ MOTOR SKILLS/ *NEUROMUSCULAR DISEASES, prevention & control/ PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy/ RURAL POPULATION
2943. Rao CV, Saxena BB: Gonadotropin receptors in the plasma membranes of rat luteal cells. *Biochim Biophys Acta* 313:372-89, 28 Jul 73
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CATTLE/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ IODINE RADIOISOTOPES/ *LH, metabolism/ MICROSCOPY, ELECTRON/ ORGAN SPECIFICITY/ *OVARY, cytology/ PROGESTERONE, metabolism/ RADIOIMMUNOASSAY/ RATS/ *RECEPTORS, HORMONE/ SERUM ALBUMIN, BOVINE, metabolism/ SERUM ALBUMIN, RADIO-IODINATED, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ TRITIUM
2944. Rao DR, Hawkins GE, Smith RC: Effect of glucose and insulin on lipoprotein lipase activity in adipose tissue and milk. *J Dairy Sci* 58:1415-9, Nov 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ *CATTLE, metabolism/ FEMALE/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ IN VITRO/ INJECTIONS, INTRAVENOUS/ INSULIN, administration & dosage/ *INSULIN, pharmacodynamics/ LACTATION/ *LIPOPROTEIN LIPASE, metabolism/ MILK, drug effects/ *MILK, enzymology/ PREGNANCY
2945. Rao DV, Goodwin PN: Letter: 203Pb: a potential radionuclide for skeletal imaging. *J Nucl Med* 14:872, Nov 73
*BONE AND BONES/ HUMAN/ *LEAD/ RADIATION DOSAGE/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES
2946. Rao HR, Harein PK: Inhibition of aflatoxin and zearalenone biosynthesis with dichlorvos. *Bull Environ Contam Toxicol* 10:112-5, Aug 73
AFLATOXIN, antagonists & inhibitors/ *AFLATOXIN, biosynthesis/ ASPERGILLUS FLAVUS, drug effects/ ASPERGILLUS FLAVUS, metabolism/ DEPRESSION, CHEMICAL/ *DICHLORVOS, pharmacodynamics/ ESTROGENS, metabolism/ FUSARIUM, drug effects/ FUSARIUM, metabolism/ GRAIN, metabolism/ LACTONES, antagonists & inhibitors/ *LACTONES, biosynthesis/ MYCOTOXINS, antagonists & inhibitors/ *MYCOTOXINS, biosynthesis/ RESORCINOL, antagonists & inhibitors/ *RESORCINOL, biosynthesis/ RICE, metabolism/ WHEAT, metabolism
2947. Rao VK, Prasad CR: Experimental maduromycosis. I. Infection of mice with *Phialophora jeanselmii*. *Mycopathol Mycol Appl* 51:119-28, 28 Sep 73
ANIMAL EXPERIMENTS/ DISEASE MODELS, ANIMAL/ HISTOLOGICAL TECHNIQUES/ HYDROCORTISONE, administration & dosage/ HYPERSENSITIVITY/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ *MADUROMYCOSIS, etiology/ MADUROMYCOSIS, pathology/ MALE/ MICE/ PERITONEUM, pathology/ PHIALOPHORA, growth & development/ *PHIALOPHORA, isolation & purification/ SPORES, FUNGAL, growth & development
2948. Rao VS, Sharma PL: Effect of intraperitoneal administration of (+)-INPEA on oxytocin and prostaglandin evoked responses of the isolated rat uterus. *Br J Pharmacol* 48:344P-345P, Jun 73
*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ *ETHANOLAMINES, pharmacodynamics/ FEMALE/ IN VITRO/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NITROBENZENES, pharmacodynamics/ *OXYTOCIN, pharmacodynamics/ *PHENETHYLAMINES, pharmacodynamics/ POTENTIOMETRY/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STEREOISOMERS/ UTERUS, drug effects
2949. Rao VS, Sharma PL: Effect of (+)-INPEA on contractions of the isolated rat uterus evoked by prostaglandins. *J Reprod Fertil* 34:523-5, Sep 73
ADMINISTRATION, ORAL/ *AMINO ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ DRUG SYNERGISM/ FEMALE/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ *NITROBENZENES, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SYMPATHOLYTICS, pharmacodynamics/ *UTERUS, drug effects
2950. Raphael BC, Dimick PS, Pupplone DL: Electrophoretic characterization of bovine serum lipoproteins throughout gestation and lactation. *J Dairy Sci* 56:1411-4, Nov 73
ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ *LACTATION/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ PREGNANCY/ *PREGNANCY, ANIMAL/ ULTRACENTRIFUGATION
2951. Rappaport R, Bouthreuil E, Marti-Henneberg C, et al: Linear growth rate, bone maturation and growth hormone secretion in prepubertal children with congenital adrenal hyperplasia. *Acta Paediatr Scand* 62:513-9, Sep 73
ADMINISTRATION, ORAL/ ADRENAL GLAND DISEASES, congenital/ *ADRENAL GLAND DISEASES, drug therapy/ ADRENAL GLAND DISEASES, physopathology/ ADRENOGENITAL SYNDROME, drug therapy/ ADRENOGENITAL SYNDROME, physopathology/ BODY HEIGHT/ *BONE DEVELOPMENT, drug effects/ CHILD/ CHILD, PRESCHOOL/ DEPRESSION, CHEMICAL/ FEMALE/ FOLLOW-UP STUDIES/ *GROWTH, drug effects/ HUMAN/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ *HYDROCORTISONE, therapeutic use/ HYPERPLASIA/ MALE/ PREGNANETRIOL, urine/ *SOMATOTROPIN, blood/ TIME FACTORS
2952. Raskin P, McClain CJ, Medsger TA Jr: Hypocalcemia associated with metastatic bone disease. A retrospective study. *Arch Intern Med* 132:539-43, Oct 73
ADENOCARCINOMA, complications/ AGED/ ALKALINE PHOSPHATASE, blood/ BLOOD UREA NITROGEN/ *BONE NEOPLASMS, complications/ BREAST NEOPLASMS,

AUTHOR SECTION

- complications/ CALCIUM, blood/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ HYPOCALCEMIA, drug therapy/ *HYPOCALCEMIA, etiology/ HYPOCALCEMIA, surgery/ LUNG NEOPLASMS, complications/ MAGNESIUM, blood/ MALE/ NEOPLASM METASTASIS/ PENNSYLVANIA/ PHOSPHORUS, blood/ PROSTATIC NEOPLASMS, complications/ RETROSPECTIVE STUDIES/ SERUM ALBUMIN, analysis/ TESTIS, surgery/ TIME FACTORS/ UROGENITAL NEOPLASMS, complications
2953. Rasmussen K, Sorland SJ: Electrocardiogram and vectorcardiogram in Turner phenotype with normal chromosomes and pulmonary stenosis. *Br Heart J* 35:937-45, Sep 73
ABNORMALITIES, MULTIPLE, physiopathology/ ADOLESCENCE/ BLOOD PRESSURE/ CHROMOSOMES/ DWARFISM, physiopathology/ *ELECTROCARDIOGRAPHY/ HEART CONDUCTION SYSTEM, abnormalities/ HEART ENLARGEMENT, complications/ HEART VENTRICLE, physiopathology/ HUMAN/ MALE/ PHENOTYPE/ PULMONARY VALVE STENOSIS, complications/ PULMONARY VALVE STENOSIS, familial & genetic/ *PULMONARY VALVE STENOSIS, physiopathology/ SYNDROME/ TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, familial & genetic/ *TURNER'S SYNDROME, physiopathology/ VECTORCARDIOGRAPHY
2954. Rasmussen GH, Chen A, Arth GE: The synthesis of 7 alpha-trifluoromethyltestosterone acetate. *J Org Chem* 38:3670-2, 19 Oct 73
NUCLEAR MAGNETIC RESONANCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS/ STEROIDS, FLUORINATED, chem synthesis/ *TESTOSTERONE, chem synthesis
2955. Rathgeb I, Houssay BA, Ashkar E, et al: Epinephrine deficiency potentiates cortisol elevation of glucose turnover in the dog. *Endocrinology* 93:1336-41, Dec 73
ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ CARBON RADIOISOTOPES/ DOGS/ EPINEPHRINE, physiology/ FEMALE/ *HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ INSULIN, blood/ MALE/ PITUITARY GLAND, physiology
2956. Raué HA, Cashel M: Regulation of RNA synthesis in *Escherichia coli*. I. Characterization of cells subjected to simultaneous temperature and osmotic shock. *Biochim Biophys Acta* 312:722-36, 27 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE PERMEABILITY/ ENZYME INDUCTION/ *ESCHERICHIA COLI*, drug effects/ *ESCHERICHIA COLI*, enzymology/ **ESCHERICHIA COLI*, metabolism/ GALACTOSIDASE, biosynthesis/ GUANINE NUCLEOTIDES, biosynthesis/ GUANOSINE, metabolism/ MUTATION/ OSMOSIS/ PHOSPHORUS RADIOISOTOPES/ RIFAMPIN, pharmacodynamics/ *RNA, BACTERIAL, biosynthesis/ STRESS, MECHANICAL/ TEMPERATURE/ TIME FACTORS/ TRITIUM/ URACIL, metabolism/ URACIL NUCLEOTIDES, metabolism
2957. Rauh JL, Johnson LB, Burket RL: The reproductive adolescent. *Pediatr Clin North Am* 20:1005-20, Nov 73 (51 ref.)
ABORTION, THERAPEUTIC, adverse effects/ *ADOLESCENCE/ AGE FACTORS/ ATTITUDE TO HEALTH/ BODY WEIGHT/ BREAST, growth & development/ CONTRACEPTION/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FERTILITY, drug effects/ HAIR, growth & development/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ MENARCHE/ PREGNANCY/ PREGNANCY COMPLICATIONS, mortality/ PROGESTERONE, pharmacodynamics/ *REPRODUCTION/ REVIEW/ SEX BEHAVIOR/ SEX EDUCATION/ STERILIZATION, TUBAL/ THROMBOEMBOLISM, mortality
2958. Raunio R, Lillus EM: Effect of electron donors and acceptors on alcohol dehydrogenase activity during the growth of *Escherichia coli*. *Acta Chem Scand* 27:990-4, 1973
ALCOHOL OXIDOREDUCTASES, analysis/ *ALCOHOL OXIDOREDUCTASES, metabolism/ ANILINE COMPOUNDS, pharmacodynamics/ ASCORBIC ACID, pharmacodynamics/ CATECHOL, pharmacodynamics/ COLORIMETRY/ CULTURE MEDIA/ CYTOSINE, pharmacodynamics/ *ESCHERICHIA COLI*, drug effects/ **ESCHERICHIA COLI*, enzymology/ *ESCHERICHIA COLI*, growth & development/ GLUTATHIONE, pharmacodynamics/ HISTIDINE, pharmacodynamics/ IODATES/ IODINE, pharmacodynamics/ NITRATES, pharmacodynamics/ OXIDATION-REDUCTION/ PHENYLALANINE, pharmacodynamics/ POTASSIUM PERMANGANATE, pharmacodynamics/ SULFIDES, pharmacodynamics/ SULFITES, pharmacodynamics/ THYMINE, pharmacodynamics/ TIME FACTORS/ TRYPTOPHAN, pharmacodynamics
2959. Ravel R, Donnellon AM: Quality control in quantitative radiolabelled procedures. *Am J Med Technol* 38:487-90, Dec 72
*BLOOD VOLUME DETERMINATION/ HUMAN/ QUALITY CONTROL/ *SCHILLING TEST, standards/ *THYROXINE, standards/ *TRIIODOTHYRONINE, standards
2960. Ravid R, Ayalon D: [Substitution therapy with equine sulfate in menopausal women] *Harefuah* 85:218-9, 2 Sep 73 (Heb)
ENGLISH ABSTRACT/ ESTRANES, administration & dosage/ *ESTRANES, therapeutic use/ ESTROGENIC SUBSTANCES, CONJUGATED, administration & dosage/ *ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ FEMALE/ HUMAN/ HYDROXYSTERIODS, administration & dosage/ HYDROXYSTERIODS, therapeutic use/ 17-KETOSTEROIDS, administration & dosage/ *17-KETOSTEROIDS, therapeutic use/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, therapeutic use/ *MENOPAUSE, drug effects
2961. Rawlins MD, Luff RH, Cranston WI: Regional brain salicylate concentrations in afebrile and febrile rabbits. *Biochem Pharmacol* 22:2639-42, 15 Oct 73
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ CARBON RADIOISOTOPES/ CEREBRAL CORTEX, metabolism/ *FEVER, metabolism/ HYPOTHALAMUS, metabolism/ MESENCEPHALON, metabolism/ PROTAGLANDINS, biosynthesis/ RABBITS/ *SALICYLATES, metabolism/ WATER, metabolism
2962. Raymond P, Narayanan A, Pradet A: Evidence for the presence of 3', 5'-cyclic AMP in plant tissues. *Biochem Biophys Res Commun* 53:1115-21, 21 Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ ENZYME ACTIVATION, drug effects/ LUMINESCENCE/ MYOCARDIUM, enzymology/ NITROGEN, analysis/ PHOSPHODIESTERASES/ PHOSPHORUS RADIOISOTOPES/ PLANT PROTEINS, analysis/ *PLANTS, analysis/ PROTEIN KINASE/ TISSUE CULTURE/ TOBACCO, analysis/ TRITIUM
2963. Rayssiguier Y, Larvor P: Hypermagnésémie et sécrétion médullo-surrénale.

AUTHOR SECTION

- Ann Biol Anim Biochim Biophys 12:479-91, 1972 (Fre)
ADAPTATION, PHYSIOLOGICAL/ ADRENAL
MEDULLA, drug effects/ ADRENAL
MEDULLA, physiology/ *ADRENAL
MEDULLA, secretion/ ANIMAL
EXPERIMENTS/ ANOXIA/ ATROPINE,
pharmacodynamics/ BLOOD SUGAR,
metabolism/ CARBACHOL, pharmacodynamics/
COLD/ DRUG SYNERGISM/ ENGLISH
ABSTRACT/ *EPINEPHRINE,
pharmacodynamics/ FEMALE/ HEMORRHAGE/
HEXAMETHONIUM COMPOUNDS,
pharmacodynamics/ HISTAMINE,
pharmacodynamics/ INSULIN,
pharmacodynamics/ *MAGNESIUM, blood/
MALE/ MORPHINE, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/
PILOCARPINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/ RATS/
RESERPINE, pharmacodynamics
64. Rea MA, Retief DH: The effects of avulsion of the
inferior alveolar nerve on the mandibular canal of the
albino rat. Arch Oral Biol 18:1201-4, Sep 73
ANIMAL EXPERIMENTS/ CALCIFICATION,
PHYSIOLOGIC/ CONNECTIVE TISSUE/
MANDIBLE, innervation/ NERVE
DEGENERATION/ NERVE REGENERATION/
RATS/ *TRIGEMINAL NERVE, injuries
65. Read AE: Immunological liver disease.
J R Coll Physicians Lond 8:31-6, Oct 73 (18 ref.)
ACIDOSIS, RENAL TUBULAR, complications/
AUTOIMMUNE DISEASES/
CHOLANGIOGRAPHY/ DIAGNOSIS,
DIFFERENTIAL/ HALOTHANE, adverse
effects/ HEPATITIS, HOMOLOGOUS SERUM,
diagnosis/ HEPATITIS, TOXIC, diagnosis/
HEPATOLENTICULAR DEGENERATION,
diagnosis/ HUMAN/ HYPERTENSION,
PORTAL, complications/
HYPOPARATHYROIDISM, complications/
LIVER CIRRHOSIS, immunology/ LIVER
CIRRHOSIS, OBSTRUCTIVE, complications/
LIVER CIRRHOSIS, OBSTRUCTIVE, diagnosis/
LIVER DISEASES, diagnosis/ LIVER
DISEASES, etiology/ *LIVER DISEASES,
immunology/ LIVER FUNCTION TESTS/
LUPUS ERYTHEMATOSUS, SYSTEMIC,
diagnosis/ REVIEW/ SJOGREN'S SYNDROME,
complications/ SYNDROME/
TELANGIECTASIA, HEREDITARY
HEMORRHAGIC, complications/ THYROID
DISEASES, complications
66. Read MS: Malnutrition, hunger, and behavior. I.
Malnutrition and learning.
J Am Diet Assoc 63:379-85, Oct 73 (46 ref.)
ANEMIA/ ANIMAL EXPERIMENTS/
AVITAMINOSIS/ BEHAVIOR/ BRAIN, growth
& development/ BREAST FEEDING/
*CENTRAL NERVOUS SYSTEM, growth &
development/ CHILD DEVELOPMENT/ CHILD
NUTRITION/ CHILD, PRESCHOOL/ CHRONIC
DISEASE/ FEMALE/ GOITER/ HUMAN/
HUNGER/ INFANT/ INFANT, NEWBORN/
INFANT NUTRITION/ INFANT NUTRITION
DISORDERS/ *LEARNING/ MENTAL
DISORDERS, complications/ *NUTRITION
DISORDERS/ PREGNANCY/ PREGNANCY
COMPLICATIONS/ REVIEW
67. Rebar R, Perlman D, Naftolin F, et al: The estimation of
pituitary luteinizing hormone secretion.
J Clin Endocrinol Metab 37:917-27, Dec 73
ADULT/ ESTRADIOL, pharmacodynamics/
FEMALE/ HUMAN/ LH, blood/ *LH,
secretion/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ MATHEMATICS/
MENOPAUSE/ MENSTRUATION/ MIDDLE
AGE/ MODELS, BIOLOGICAL/ PITUITARY
GLAND, drug effects/ *PITUITARY GLAND,
secretion/ SECRETORY RATE
68. Rebbun LI, Villar-Palasi C: Stimulation of purified
muscle protein kinase by cyclic AMP and its butyrate
derivatives.
Biochim Biophys Acta 321:165-70, 15 Sep 1973
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ BINDING SITES/
BUTYRATES, pharmacodynamics/
CENTRIFUGATION, DENSITY GRADIENT/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ *DIBUTYRYL
CYCLIC AMP, pharmacodynamics/ ENZYME
ACTIVATION, drug effects/ KINETICS/
*MUSCLES, enzymology/ PHOSPHORUS
RADIOISOTOPES/ PROTEIN BINDING/
*PROTEIN KINASE, metabolism/ RABBITS/
STRUCTURE-ACTIVITY RELATIONSHIP
2969. Recio JM, Latorre JL, Planas J: Plasma iron turnover
and egg production in hens.
Rev Esp Fisiol 29:65-8, Mar 73
ANIMAL EXPERIMENTS/ *CHICKENS/
COPPER, blood/ COPPER, metabolism/
EGGS/ EGGS, analysis/ *IRON, blood/ IRON,
metabolism/ *OVULATION/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION
2970. Reddi OS, Rao MS: Screening of drugs for genetic
effects. Indian J Med Res 61:926-35, Jun 73
ANIMAL EXPERIMENTS/ CHROMOSOME
ABERRATIONS/ DROSOPHILA
MELANOGASTER/ *DRUG SCREENING/
FEMALE/ *FERTILITY, drug effects/
LARVA/ MALE/ MICE/ *MUTATION, drug
effects/ OVARY, drug effects/ SEX
CHROMOSOMES, drug effects/ TESTIS, drug
effects
2971. Redding TW, Kastin AJ, Gonzales-Barcena D, et al: The
half-life, metabolism and excretion of tritiated
luteinizing hormone-releasing hormone (LH-RH) in
man. J Clin Endocrinol Metab 37:626-31, Oct 73
ADOLESCENCE/ ADULT/
CHROMATOGRAPHY, ION EXCHANGE/
ELECTROPHORESIS/ FSH, blood/
GLUTAMATES, metabolism/ HALF-LIFE/
HUMAN/ LH, blood/ *LH-FSH RELEASING
HORMONE, metabolism/ LH-FSH RELEASING
HORMONE, urine/ MALE/ PEPTIDES,
metabolism/ TRITIUM
2972. Reddy CR, Coburn JW, Hartenbower DL, et al: Studies
on mechanisms of hypocalcemia of magnesium
depletion. J Clin Invest 52:3000-10, Dec 73
ANIMAL EXPERIMENTS/ BONE AND BONES,
analysis/ CALCIUM, analysis/ CALCIUM,
blood/ CALCIUM, DIETARY/ CHICKENS/
DIET/ DISEASE MODELS, ANIMAL/
*HYPOCALCEMIA, etiology/ KIDNEY,
analysis/ MAGNESIUM, blood/ *MAGNESIUM
DEFICIENCY, complications/ MUSCLES,
analysis/ MYOCARDIUM, analysis/
PHOSPHORUS, analysis/ POTASSIUM,
analysis/ SODIUM, analysis
2973. Reddy J, Svoboda D, Azarnoff D, et al:
Cadmium-induced Leydig cell tumors of rat testis:
morphologic and cytochemical study.
J Natl Cancer Inst 51:891-903, Sep 73
ANIMAL EXPERIMENTS/ *CADMIUM/
CYTOPLASM/ ENDOPLASMIC RETICULUM/
HISTOCYTOCHEMISTRY/ HYDROXYSTEROID
DEHYDROGENASES, metabolism/ *LEYDIG
CELL TUMOR, chemically induced/ LEYDIG
CELL TUMOR, enzymology/ LEYDIG CELL
TUMOR, pathology/ LIPIDS, analysis/ MALE/
MICROBODIES/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ NEOPLASMS,
EXPERIMENTAL, chemically induced/
NEOPLASMS, EXPERIMENTAL, enzymology/
NEOPLASMS, EXPERIMENTAL, pathology/
RATS/ *TESTICULAR NEOPLASMS,
chemically induced/ TESTICULAR
NEOPLASMS, enzymology/ TESTICULAR
NEOPLASMS, pathology/ TESTIS, pathology
2974. Reddy J, Svoboda D: Microbody (peroxisome) matrix:
transformation into tubular structures.
Virchows Arch [Zellpathol] 14:83-92, 1973
ANIMAL EXPERIMENTS/ CLOFIBRATE/
ENDOPLASMIC RETICULUM/
HYPOPHYSECTOMY/ LIVER, pathology/
LIVER NEOPLASMS, pathology/ MALE/
MICROBODIES, drug effects/ MICROSCOPY,

AUTHOR SECTION

- ELECTRON/ MICROTUBULES/ *ORGANOIDS,
drug effects/ RATS
2975. Redon H: Cancers du corps thyroïde.
Maroc Med 52:802-8, Oct 72 (Fre)
ADULT/ HUMAN/ MALE/ NEOPLASM
METASTASIS/ *THYROID NEOPLASMS/
THYROID NEOPLASMS, diagnosis/ THYROID
NEOPLASMS, therapy
2976. Ree T van, Hurter P, Snyman JJ, et al: A rapid
quantitative method for the estimation of oestrilol in
human pregnancy urine.
S Afr Med J 47:1754-6, 29 Sep 73
ACETAMIDES/ ACETIC ACIDS/
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ *ESTRIOL, urine/ FEMALE/
HUMAN/ HYDROCHLORIC ACID/
HYDROLYSIS/ METHANE/ METHODS/
*PREGNANCY/ SILICON/ SPECTRUM
ANALYSIS, MASS
2977. Reed MJ, Fotherby K, Steele SJ: Localization of
ethynylloestradiol in the reproductive tract of women.
J Endocrinol 58:643-56, Sep 73
ADIPOSE TISSUE, analysis/ ADULT/ AGED/
CARBON ISOTOPES/ CERVIX MUCUS,
analysis/ CERVIX UTERI, analysis/
ENDOMETRIUM, analysis/ *ETHINYL
ESTRADIOL, analysis/ FALLOPIAN TUBES,
analysis/ FEMALE/ *GENITALIA, FEMALE,
analysis/ HUMAN/ MATERNAL-FETAL
EXCHANGE/ MIDDLE AGE/ OVARY, analysis/
PREGNANCY/ TIME FACTORS/ UTERUS,
analysis/ VAGINA, analysis
2978. Reed MJ, Stiltz SR: The uptake of testosterone and
zinc in vitro by the human benign hypertrophic
prostate. J Endocrinol 58:405-19, Sep 73
CELL FRACTIONATION/
CHROMATOGRAPHY, ION EXCHANGE/
CYTOSOL, metabolism/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GEL FILTRATION/
HUMAN/ IN VITRO/ MALE/ MICROSOMES,
analysis/ MITOCHONDRIA, analysis/
PROGESTERONE, metabolism/ *PROSTATIC
HYPERTROPHY, metabolism/ PROTEIN
BINDING/ RADIOISOTOPES/
*TESTOSTERONE, metabolism/ TRITIUM/
*ZINC, metabolism
2979. Rees LH, Holdaway IM, Kramer R, et al: New bioassay
for luteinizing hormone. Nature 244:232-4, 27 Jul 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID,
metabolism/ *BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ CORTICOTROPIN,
analysis/ CROSS REACTIONS/
DENSITOMETRY/ FEMALE/ FSH, analysis/
GONADOTROPINS, PITUITARY, blood/
HUMAN/ IN VITRO/ *LH, analysis/ LH,
blood/ LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ MENOPAUSE/
METHODS/ OVARY, metabolism/ PROLACTIN,
analysis/ RADIOIMMUNOASSAY/ RATS/
SWINE/ THYROTROPIN, analysis
2980. Reeves JL: Rickets in Appalachia during the early
years; an interview. NC Med J 34:799-800, Oct 73
HISTORICAL ARTICLE/ HISTORY OF
MEDICINE, 20TH CENT./ IN VITRO/
INFANT/ NORTH CAROLINA/ *RICKETS/
RICKETS, history
2981. el-Refai AH, Abdel-Fattah AF, Ibrahim KA, et al:
Degradation of progesterone by aspergilli-side chain
cleaving enzymes. Z Allg Mikrobiol 13:201-6, 1973
ANDROSTENES/ *ASPERGILLUS, enzymology/
ASPERGILLUS, metabolism/ *ASPERGILLUS
FLAVUS, enzymology/ ASPERGILLUS
FLAVUS, metabolism/ CULTURE MEDIA/
FERMENTATION/ KETONES/ PEPTONES/
*PROGESTERONE, metabolism/
SACCHAROMYCES CEREVISIAE/
TESTOLACTONE/ TESTOSTERONE
2982. Regli F: Zur Behandlung vaskulärer Kopfschmerzen.
Dtsh Med Wochenschr 98:1614-6, 31 Aug 73 (Ger)
ADRENERGIC BETA RECEPTOR
BLOCKADERS, therapeutic use/
CARBAMAZEPINE, therapeutic use/
*CEREBROVASCULAR DISORDERS,
complications/ CLONIDINE, therapeutic use/
DRUG ABUSE/ ERGOTAMINE, therapeutic
use/ FEMALE/ *HEADACHE, drug therapy/
HORMONES, therapeutic use/ HUMAN/
HYDANTOINS, therapeutic use/
METHYSERGIDE, therapeutic use/
PHENACETIN, adverse effects/ PHENACETIN,
therapeutic use/ PLACEBOS/ PREGNANCY/
VASCULAR HEADACHE, drug therapy/
VASCULAR HEADACHE, etiology
2983. Reichelt KL, Kvamme E: Histamine-dependent
formation of N-acetyl-aspartyl peptides in mouse
brain. J Neurochem 21:849-59, Oct 73
ACETIC ACIDS, metabolism/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
TRIPHOSPHATE, pharmacodynamics/ AMINO
ACIDS, analysis/ ANIMAL EXPERIMENTS/
ASPARTIC ACID, metabolism/ BRAIN, drug
effects/ *BRAIN, metabolism/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, ION
EXCHANGE/ CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
CYSTEINE, metabolism/ GLUTAMATES,
metabolism/ GLYCINE, metabolism/
*HISTAMINE, pharmacodynamics/ MICE/
NIALAMIDE, pharmacodynamics/
OLIGOPEPTIDES, analysis/ *OLIGOPEPTIDES,
biosynthesis
2984. Reichelt LE Jr, Leldenberger F, Trowbridge CG:
Studies on luteinizing hormone and its subunits:
development and application of a radioligand receptor
assay and properties of the hormone-receptor
interaction. Recent Prog Horm Res 29:497-532, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CATTLE/ COMPARATIVE STUDY/
EVALUATION STUDIES/ FEMALE/
GONADOTROPINS, CHORIONIC/ HUMAN/
HYDROGEN-ION CONCENTRATION/ IODINE
RADIOISOTOPES/ ISOTOPE LABELING/
LEYDIG CELLS, metabolism/ *LH, analysis/
LH, metabolism/ MALE/ METHODS/ MODELS,
BIOLOGICAL/ RADIOLIGAND ASSAY/ RATS/
*RECEPTORS, HORMONE/ SHEEP/ SPECIES
SPECIFICITY/ TESTIS
2985. Reid IM: Hepatic nuclear glycogenosis in the cow: a
light- and electron-microscope study.
J Pathol 110:267-70, Jul 73
ANIMAL EXPERIMENTS/ *CATTLE,
metabolism/ CELL NUCLEOLUS/ *CELL
NUCLEUS, metabolism/ FEMALE/
*GLYCOGENOSIS/ HISTOCYTOCHEMISTRY/
LACTATION/ *LIVER, metabolism/ *LIVER
GLYCOGEN, analysis/ MICROSCOPY,
ELECTRON
2986. Reiffenstahl B, Wolf D: Klinische Erfahrungen mit
Fluocinonid FAP.
Wien Med Wochenschr 123:555-6, 22 Sep 73 (Ger)
ACETIC ACIDS, therapeutic use/
DERMATITIS, CONTACT, drug therapy/
*FLUOCINOLONE ACETONIDE, therapeutic
use/ HUMAN/ OINTMENTS/ PROPANEDIOLS,
therapeutic use/ PSORIASIS, drug therapy/
SEBORRHEA, drug therapy/ *SKIN DISEASES,
drug therapy
2987. Reimendal R, Sjövall JB: Computer evaluation of gas
chromatographic-mass spectrometric analyses of
steroids from biological materials.
Anal Chem 46:1083-9, Jun 73
*ANDROSTANES, analysis/ ANIMAL
EXPERIMENTS/ CATTLE/
CHORIOCARCINOMA, metabolism/
*CHROMATOGRAPHY, GAS/ *COMPUTERS,
DIGITAL/ CORPUS LUTEUM, analysis/
EVALUATION STUDIES/ HUMAN/ MALE/
METHODS/ *PREGNANES, analysis/
*SPECTRUM ANALYSIS, MASS/ STEROIDS,
blood/ STEROIDS, metabolism/ STEROIDS,
urine
2988. Reimers HJ, Packham MA, Kinlough-Rathbone RL, et
al: Effect of repeated treatment of rabbit platelets
with low concentrations of thrombin on their
function, metabolism and survival.

AUTHOR SECTION

- Br J Haematol 25:675-89, Nov 73
ADENINE NUCLEOTIDES, metabolism/
ADENOSINE, pharmacodynamics/ ADENOSINE
DIPHOSPHATE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *BLOOD PLATELETS, drug
effects/ CALCIUM, metabolism/ CELL
SURVIVAL/ GLUCOSE, metabolism/ IN
VITRO/ LACTATE DEHYDROGENASE,
metabolism/ LACTATES, metabolism/
MAGNESIUM, metabolism/ MICROSCOPY,
ELECTRON/ PHOSPHATASES,
pharmacodynamics/ PHOSPHORUS
RADIOISOTOPES/ PLATELET
ADHESIVENESS, drug effects/
PROSTAGLANDINS, pharmacodynamics/
RABBITS/ SEROTONIN, metabolism/
*THROMBIN, pharmacodynamics/ TRITIUM
989. Reinwein D, Schaps D, Berger H, et al:
Hypothyreoserisiko nach fraktionierter
Radiojodtherapie.
Dtsch Med Wochenschr 98:1789-95, 28 Sep 73 (Ger)
ACHILLES TENDON, physiology/ ADULT/
AGED/ ANTIBODIES, analysis/
CHOLESTEROL, blood/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ HYPERTHYROIDISM,
immunology/ HYPERTHYROIDISM,
radiotherapy/ *HYPOTHYROIDISM, etiology/
HYPOTHYROIDISM, immunology/ *IODINE
RADIOISOTOPES, adverse effects/ IODINE
RADIOISOTOPES, therapeutic use/ MALE/
MIDDLE AGE/ PROTEIN-BOUND IODINE
TEST/ RADIOTHERAPY DOSAGE/ REFLEX,
TENDON/ RETROSPECTIVE STUDIES/
THYROID GLAND FUNCTION TESTS/
THYROTROPIN, blood
990. Reisinger WE Jr, Browning EJ: Letter: Pitfall in the
protocol of the human placental lactogen test.
J Nucl Med 14:878, Nov 73
HUMAN/ *PLACENTAL LACTOGEN, analysis/
*POLYSTYRENES/ *RADIOIMMUNOASSAY,
instrumentation
991. Reissner H: Zerebrale Störungen im Zusammenhang mit
dem Gebrauch von oralen Kontrazeptiva.
Klin Monatsbl Augenheilkd 183:8-12, Jul 73 (Ger)
ADULT/ ARTERIAL OCCLUSIVE DISEASES,
chemically induced/ BRAIN INJURIES,
ACUTE, complications/ CEREBRAL
ANGIOGRAPHY/ *CEREBROVASCULAR
DISORDERS, chemically induced/
CEREBROVASCULAR DISORDERS,
radiography/ *CONTRACEPTIVES, ORAL,
adverse effects/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ HYPERTENSION,
complications/ MIDDLE AGE/ MIGRAINE,
complications/ OBESITY, complications
992. Reissner H: Die paraneoplastischen Neuromyopathien.
Wien Klin Wochenschr 85:801-4, 7 Dec 73 (Ger)
BIOPSY/ CARCINOMA, BRONCHOGENIC,
complications/ CARCINOMA, OAT CELL,
complications/ ENGLISH ABSTRACT/
HUMAN/ LUNG NEOPLASMS, complications/
MUSCULAR ATROPHY, etiology/ NEOPLASM
REGRESSION, SPONTANEOUS/ *NEOPLASMS,
complications/ NEOPLASMS, surgery/
NEUROLOGIC MANIFESTATIONS/
*NEUROMUSCULAR DISEASES, etiology/
NEUROMUSCULAR DISEASES, pathology/
POSTOPERATIVE COMPLICATIONS/
PRECANCEROUS CONDITIONS/ REGRESSION
993. Reissner RM: Acne vulgaris.
Pediatr Clin North Am 20:851-64, Nov 73 (27 ref.)
ACNE, classification/ ACNE, drug therapy/
ACNE, radiotherapy/ ACNE, surgery/ *ACNE,
therapy/ ADMINISTRATION, TOPICAL/
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ ANTIBIOTICS,
therapeutic use/ ASTRINGENTS, therapeutic
use/ CICATRIX/ COSMETICS,
therapeutic use/ CRYOTHERAPY/ DIET
THERAPY/ DIURETICS, therapeutic use/
ESTROGENS, therapeutic use/ HUMAN/
PROGESTERONE, therapeutic use/ REVIEW/
SEBORRHEA, therapy/ TETRACYCLINE,
therapeutic use/ ULTRAVIOLET RAYS/
VACCINE THERAPY/ VITAMIN A,
therapeutic use
2994. Reiter RJ, Blum K, Wallace JE, et al: Effect of the
pineal gland on alcohol consumption by congenitally
blind male rats. Q J Stud Alcohol 34:937-9, Sep 73
*ALCOHOL DRINKING/ ALCOHOL, ETHYL/
ANIMAL EXPERIMENTS/ BLINDNESS,
congenital/ CIRCADIAN RHYTHM/
*DRINKING/ DRINKING BEHAVIOR, drug
effects/ MALE/ MELATONIN,
pharmacodynamics/ OSMOLAR
CONCENTRATION/ *PINEAL BODY,
physiology/ RATS
2995. Reitz RE, Weinstein RL: Parathyroid hormone
secretion in familial vitamin-D-resistant rickets.
N Engl J Med 289:941-5, 1 Nov 73
ADULT/ CALCIUM, blood/ CHILD,
PRESCHOOL/ EDTA, diagnostic use/
FEMALE/ HUMAN/ HYPOPHOSPHATEMIA,
FAMILIAL, metabolism/
HYPOPHOSPHATEMIA, FAMILIAL,
physiopathology/ MAGNESIUM, blood/ MALE/
PARATHYROID GLANDS, physiopathology/
PARATHYROID HORMONE, blood/
*PARATHYROID HORMONE, secretion/
PEDIGREE/ PHOSPHORUS, blood/
RADIOIMMUNOASSAY/ RICKETS, VITAMIN
D RESISTANT, blood/ RICKETS, VITAMIN D
RESISTANT, familial & genetic/ RICKETS,
VITAMIN D RESISTANT, metabolism/
*RICKETS, VITAMIN D RESISTANT,
physiopathology
2996. Remacle C: Paraboles de l'hypophyse et de la gonade,
en culture organotypique, chez les poissons
téléostéens.
Ann Endocrinol (Paris) 34:303-7, May-Jun 73 (Fre)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ FISHES/ *ORGAN CULTURE/
*OVARY, physiology/ OVUM, growth &
development/ *PARABIOSIS/ *PITUITARY
GLAND, physiology/ SPERMATOGENESIS/
*TESTIS, physiology/ TIME FACTORS
2997. Remzi D: Tumors of the tunica vaginalis.
South Med J 66:841-2, Jul 73
ADULT/ AGED/ HUMAN/ *LEIOMYOMA,
pathology/ LEIOMYOMA, surgery/
*LEIOMYOSARCOMA, pathology/
LEIOMYOSARCOMA, surgery/ MALE/
*TESTICULAR NEOPLASMS, pathology/
TESTICULAR NEOPLASMS, surgery
2998. Renaudin J, Fewer D, Wilson CB, et al: Dose
dependency of decadron in patients with partially
excised brain tumors. J Neurosurg 39:302-5, Sep 73
ADULT/ *BRAIN EDEMA, drug therapy/
BRAIN EDEMA, etiology/ BRAIN
NEOPLASMS, surgery/ CHILD/ CHILD,
PRESCHOOL/ *DEXAMETHASONE,
administration & dosage/ DEXAMETHASONE,
therapeutic use/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ HUMAN/
INTRACRANIAL PRESSURE, drug effects/
NEOPLASM METASTASIS/ POSTOPERATIVE
COMPLICATIONS
2999. Renovanz HD: Pharmakokinetik, Drug availability and
klinische Pharmakologie von Bromhexin.
Wien Klin Wochenschr 123:Suppl 7:1-8, 15 Sep 73
(Ger)
ABSORPTION/ ADULT/ AGED/ ANIMAL
EXPERIMENTS/ AUTORADIOGRAPHY/
BROMHEXINE, administration & dosage/
BROMHEXINE, analysis/ BROMHEXINE, blood/
BROMHEXINE, metabolism/ *BROMHEXINE,
pharmacodynamics/ BROMHEXINE, therapeutic
use/ BROMHEXINE, urine/ CARBON
ISOTOPES/ CLINICAL RESEARCH/ DOSAGE
FORMS/ DRUG EVALUATION/ DRUG
SCREENING/ FECES, analysis/ FEMALE/
FETUS, metabolism/ HISTOLOGICAL
TECHNIQUES/ HUMAN/ LUNG, metabolism/
MALE/ MATERNAL-FETAL EXCHANGE/
MICE/ MIDDLE AGE/ MODELS,
BIOLOGICAL/ PLACENTA, metabolism/
RABBITS/ RATS/ RESPIRATORY TRACT

AUTHOR SECTION

- INFECTIONS, drug therapy/ WHOLE BODY COUNTERS
3000. Reschke H, Kiefer H: Angiographie bei Nieren- und Nebennierentumoren. Med Welt 24:1148-9, 13 Jul 73 (Ger)
*ADRENAL GLAND NEOPLASMS, radiography/ ANGIOGRAPHY/ HUMAN/
*KIDNEY NEOPLASMS, radiography
3001. Resneck JS, Cram DL: Erythema annulare-like pustular psoriasis. Arch Dermatol 108:687-8, Nov 73
ADULT/ ERYTHEMA, drug therapy/
ERYTHEMA, etiology/ *ERYTHEMA,
pathology/ HUMAN/ MALE/ PSORIASIS, drug
therapy/ PSORIASIS, etiology/ *PSORIASIS,
pathology/ RECURRENCE/ STRESS,
PSYCHOLOGICAL, complications/
SUPURATION/ TRIAMCINOLONE,
therapeutic use
3002. Restian A: Regulearea neuroendocrină prin intermediul jocului cihernetice. Stud Cercet Endocrinol 24:361-71, 1973 (Rum)
*CENTRAL NERVOUS SYSTEM, physiology/
*CYBERNETICS/ ENDOCRINE GLANDS,
physiology/ FEEDBACK/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
physiology
3003. Restivo O, Sindoni G, Ballati S, et al: Il trattamento dell'ipertensione arteriosa. Aspetti clinico-terapeutici di una nuova associazione: canrenoato di K-altizide-rescinnamina. Minerva Cardioangiol 21:585-604, Sep 73 (Ita)
ADULT/ AGED/ *ALDOSTERONE, antagonists
& inhibitors/ *ANDROSTENOLS, therapeutic
use/ *ANTIHYPERTENSIVE AGENTS,
therapeutic use/ *DIURETICS, THIAZIDE,
therapeutic use/ DRUG COMBINATIONS/
DRUG TOLERANCE/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ *HYPERTENSION, drug
therapy/ MALE/ MIDDLE AGE/
RESCINNAMINE, therapeutic use/
*YOHIMBANS, therapeutic use
3004. Rex IH Jr: Controlled evaluation of a new topical corticosteroid in psoriasis. Curr Ther Res 15:823-8, Nov 73
ACETIC ACIDS, therapeutic use/
ADOLESCENCE/ ADULT/ AGED/
ANTI-INFLAMMATORY AGENTS, TOPICAL,
therapeutic use/ CHILD, PRESCHOOL/
CLINICAL RESEARCH/ COMPARATIVE
STUDY/ FEMALE/ *FLUOCINOLONE
ACETONIDE, therapeutic use/ HUMAN/
HYDROCORTISONE, TOPICAL, therapeutic
use/ MALE/ MIDDLE AGE/ OINTMENTS,
therapeutic use/ *PSORIASIS, drug therapy/
TIME FACTORS
3005. Reyes FI, Falman C: Development of a testicular tumour during clomiphene therapy. Can Med Assoc J 109:502-3 passim, 15 Sep 73
ADULT/ CLOMIPHENE, administration &
dosage/ *CLOMIPHENE, adverse effects/
CLOMIPHENE, therapeutic use/
DISGERMINOMA, chemically induced/
DISGERMINOMA, pathology/ DISGERMINOMA,
radiotherapy/ ESTRADIOL, blood/ FSH, blood/
HUMAN/ LH, blood/ MALE/ SEMEN/
SPERMATOZOA/ TERATOID TUMOR,
pathology/ TERATOID TUMOR, radiotherapy/
*TESTICULAR NEOPLASMS, chemically
induced/ TESTICULAR NEOPLASMS,
pathology/ TESTICULAR NEOPLASMS,
radiotherapy/ TESTIS, pathology/
TESTOSTERONE, blood/ TIME FACTORS/
UROLOGIC DISEASES, drug therapy
3006. Reyniak JV: Luteal phase defects: recognition and management. Bull NY Acad Med 49:974-84, Nov 73
BIOPSY/ BODY TEMPERATURE/ CERVIX
MUCUS, analysis/ *CORPUS LUTEUM,
physiopathology/ CORPUS LUTEUM
HORMONES, secretion/ FEMALE/ HUMAN/
LH, secretion/ *OVARY, physiopathology/
OVULATION, drug effects/ PREGNANCY/
PREGNANEDIOL, analysis/ PROGESTATIONAL
HORMONES, administration & dosage/
- PROGESTERONE, administration & dosage/
*STERILITY, FEMALE, etiology/ VAGINAL
SMEARS
3007. Reynolds J: Costa Rica: measuring the demographic impact of family planning programs. Stud Fam Plann 4:310-6, Nov 73
ADOLESCENCE/ ADULT/ BIRTH RATE/
CONTRACEPTION/ CONTRACEPTIVES,
ORAL/ COSTA RICA/ *DEMOGRAPHY/
EVALUATION STUDIES/ *FAMILY
PLANNING/ FEMALE/ *FERTILITY/ HUMAN/
INTRAUTERINE DEVICES/ MALE/ MIDDLE
AGE/ *MODELS, THEORETICAL/
MOTIVATION/ SEX BEHAVIOR/
STERILIZATION, SEXUAL/ SYSTEMS
ANALYSIS
3008. Reynolds JA: Red cell membranes: fact and fancy. Fed Proc 32:2034-8, Oct 73
ADENOSINE TRIPHOSPHATASE, blood/
BLOOD PROTEINS, analysis/ CALCIUM,
metabolism/ *CELL MEMBRANE, analysis/
CELL MEMBRANE, enzymology/ CELL
MEMBRANE, metabolism/ CEPHALINS, blood/
CHOLESTEROL, blood/ *ERYTHROCYTES,
cytology/ GLYCOPROTEINS, blood/ HUMAN/
LECITHINS, blood/ MICROSCOPY,
ELECTRON/ PEPTIDES, blood/
PHOSPHOINOSITIDES, blood/
PHOSPHOLIPIDS, blood/ SPHINGOMYELINS,
blood/ STAINS AND STAINING
3009. Reynolds JJ, Holick MF, De Luca HF: The role of vitamin D metabolites in bone resorption. Calcif Tissue Res 12:295-301, 1973
ANIMAL EXPERIMENTS/ BONE AND BONES,
metabolism/ *BONE RESORPTION, drug
effects/ CALCIUM, metabolism/
*CHOLECALCIFEROL, pharmacodynamics/
DIHYDROXYCHOLECALCIFEROLS,
pharmacodynamics/
*HYDROXYCHOLECALCIFEROL,
pharmacodynamics/ MICE/ SKULL
3010. Rhodes ML: Desquamative interstitial pneumonia. New ultrastructural findings. Am Rev Respir Dis 108:950-4, Oct 73
ADULT/ CASE REPORT/ *ENDOPLASMIC
RETICULUM/ FEMALE/ HUMAN/ *LUNG,
pathology/ PREDNISONE, therapeutic use/
PULMONARY ALVEOLI, pathology/
PULMONARY FIBROSIS, drug therapy/
*PULMONARY FIBROSIS, pathology/
PULMONARY FIBROSIS, physiopathology/
RESPIRATORY FUNCTION TESTS
3011. Ribarac-Stepić N, Trajković D, Kanazir D: Some properties of cortisol-receptor complex isolated from cytoplasm of rat liver and its effect on biosynthesis of nuclear RNA. Steroids 22:155-69, Aug 73
AMMONIUM SULFATE/ ANIMAL
EXPERIMENTS/ BINDING SITES/ CELL
NUCLEUS, metabolism/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ CHROMATOGRAPHY, ION
EXCHANGE/ CYTOSOL, metabolism/ GEL
FILTRATION/ *HYDROCORTISONE,
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CONCENTRATION/ ISOELECTRIC FOCUSING/
LIVER, cytology/ LIVER, drug effects/
*LIVER, metabolism/ MALE/ PHOSPHORUS
RADIOISOTOPES/ PROTEIN BINDING/ RATS,
*RECEPTORS, HORMONE/ *RNA, biosynthesis/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TRITIUM
3012. Ricci C, Patrassi N, Massa R, et al: Carcinoid syndrome in bronchial adenoma. Am J Surg 126:671-7, Nov 73
*ADENOMA, complications/ ADULT/ AGED/
*BRONCHIAL NEOPLASMS, complications/
BRONCHIAL NEOPLASMS, drug therapy/
*CARCINOID TUMOR, complications/
CARCINOID TUMOR, drug therapy/ FEMALE/
HUMAN/ HYDROXYCORTICOSTEROIDS,
therapeutic use/ HYDROXYINDOLEACETIC
ACID, urine/ LIVER NEOPLASMS/ MALE/
MIDDLE AGE/ NEOPLASM METASTASIS/
SEROTONIN, antagonists & inhibitors/
SEROTONIN, biosynthesis/ SYNDROME

AUTHOR SECTION

13. Ricciuti FC, Ruddle FH: Assignment of three gene loci (PGK, HGPRT, G6PD) to the long arm of the human X chromosome by somatic cell genetics. *Genetics* 74:661-78, Aug 73
ADENOCARCINOMA, familial & genetic/
ANIMAL EXPERIMENTS/ CELL LINE/
CHROMOSOME ABERRATIONS/
*CHROMOSOME MAPPING/ *CHROMOSOMES,
HUMAN, 13-15/ CLONE CELLS/
ELECTROPHORESIS, STARCH GEL/ FEMALE/
FIBROBLASTS/ *GENES/
*GLUCOSEPHOSPHATE DEHYDROGENASE/
HUMAN/ *HYBRID CELLS/ KARYOTYPING/
KIDNEY NEOPLASMS, familial & genetic/
KLINEFELTER'S SYNDROME, familial &
genetic/ LINKAGE (GENETICS)/ MALE/
MICE/ MICE, INBRED BALB C/
*PENTOSYLTRANSFERASES/
*PHOSPHOGLYCERATE KINASE/ *SEX
CHROMOSOMES/ SKIN, cytology
14. Rice GG: Hypermenorrhea in the young hemodialysis patient. *Trans Pac Coast Obstet Gynecol Soc* 40:99-103, 1973
ADULT/ AMENORRHEA, etiology/
CONTRACEPTIVES, ORAL, therapeutic use/
CURETTAGE/ DILATATION/ FEMALE/
*HEMODIALYSIS, adverse effects/ HUMAN/
KIDNEY FAILURE, CHRONIC, therapy/
*MENSTRUATION DISORDERS, etiology/
MENSTRUATION DISORDERS, therapy/
MIDDLE AGE
15. Richards DH: Letter: Depression after hysterectomy. *Lancet* 2:918-9, 20 Oct 73
ADULT/ AGE FACTORS/ AGED/
ANTIDEPRESSIVE AGENTS, therapeutic use/
DEPRESSION, drug therapy/ *DEPRESSION,
etiology/ FEMALE/ HUMAN/
*HYSTERECTOMY, adverse effects/
MENOPAUSE/ MIDDLE AGE/ OVARIAN
NEOPLASMS, surgery/ POSTOPERATIVE
COMPLICATIONS, drug therapy
16. Richards G, Neville AM: Conversion of (4-14C)5 alpha-pregnane-3, 20-dione to 5 alpha-C19-steroids by the prepuhertal rat testis. *J Endocrinol* 59:185-6, Oct 73
ANDROSTANES, hiosynthesis/
ANDROSTERONE, hiosynthesis/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, THIN LAYER/ IN
VITRO/ MALE/ *PREGNANES, metabolism/
PUBERTY/ RATS/ *TESTIS, metabolism/
TESTOSTERONE, hiosynthesis
17. Richards G, Neville AM: Androgen metabolism in rat interstitial tissue and seminiferous tubules. *Nature* 244:359-61, 10 Aug 73
ANDROSTENEDIONE, hiosynthesis/
ANDROSTENOLS, hiosynthesis/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, THIN LAYER/
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*DEHYDROEPIANDROSTERONE, metabolism/
IN VITRO/ *LEYDIG CELLS, metabolism/
MALE/ RATS/ *TESTIS, metabolism/
TESTOSTERONE, hiosynthesis
18. Richards JR, Blumgart LH: Proceedings: changes in thyroid status after experimental femur fractures in the rat. *Br J Surg* 60:903, Nov 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
DIETARY PROTEINS/ *FEMORAL
FRACTURES, physiology/ NITROGEN,
urine/ RATS/ *THYROID GLAND,
physiology/ THYROXINE, metabolism/
TIME FACTORS
19. Richards P: Letter: mineralocorticoids and rectal potential difference. *Lancet* 2:798-9, 6 Oct 73
*COLON, drug effects/ FEMALE/ HUMAN/
HYPERALDOSTERONISM, diagnosis/
HYPOKALEMIA, diagnosis/ MALE/
*MINERALOCORTICOIDS, pharmacodynamics/
POTASSIUM, analysis/ POTENTIOMETRY/
*RECTUM, physiology/
*WATER-ELECTROLYTE BALANCE
20. Richardson JS: The amygdala: historical and functional analysis. *Acta Neurobiol Exp (Warsz)* 33:623-48, 1973 (179 ref.)
*AMYGDALOID BODY/ AMYGDALOID BODY,
anatomy & histology/ AMYGDALOID BODY,
physiology/ ANIMAL EXPERIMENTS/
AVOIDANCE LEARNING/ BEHAVIOR,
ANIMAL/ CONDITIONING, OPERANT/
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HYPOTHALAMUS, anatomy & histology/
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histology/ NEURONS, AFFERENT/ NEURONS,
Efferent/ REINFORCEMENT
(PSYCHOLOGY)/ REVIEW/ SEX BEHAVIOR,
ANIMAL/ THALAMUS, anatomy & histology
3021. Richens A: Developments in drug therapy. *Nurs Mirror* 137:30-2, 28 Sep 73
ANTIPARKINSON DRUGS/ APPETITE
DEPRESSANTS, adverse effects/ ASPIRIN,
therapeutic use/ BIOPHARMACEUTICS/ DRUG
ABUSE/ DRUG THERAPY, adverse effects/
IATROGENIC DISEASE, chemically induced/
POISONING/ PROSTAGLANDINS, therapeutic
use/ SPECIAL LIST NURSING/ SUICIDE
3022. Richter D: Formation of guanosine tetraphosphate (magic spot I) in homologous and heterologous systems. *FEBS Lett* 34:291-4, 15 Aug 73
ADENINE NUCLEOTIDES, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ BRAIN/ CARBON
RADIOISOTOPES/ CATTLE/ CYTOSOL/
ESCHERICHIA COLI, cytology/ ESCHERICHIA
COLI, drug effects/ *ESCHERICHIA COLI,
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RETICULOCYTES/ RIBOSOMES, metabolism/
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CEREVISIAE/ SACCHAROMYCES
CEREVISIAE, cytology/ SPECIES
SPECIFICITY/ SPECTROPHOTOMETRY,
ULTRAVIOLET
3023. Ridgway EC, Weintraub BD, Cevallos JL, et al: Suppression of pituitary TSH secretion in the patient with a hyperfunctioning thyroid nodule. *J Clin Invest* 52:2783-92, Nov 73
ADMINISTRATION, ORAL/ ADULT/ AGED/
FEMALE/ HUMAN/ *HYPERTHYROIDISM,
physiology/ INJECTIONS,
INTRAVENOUS/ IODINE ISOTOPES,
DIAGNOSTIC/ IODINE RADIOISOTOPES/
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PITUITARY GLAND, drug effects/
*PITUITARY GLAND, secretion/
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THYROTROPIN RELEASING HORMONE,
pharmacodynamics/ THYROXINE,
administration & dosage/ THYROXINE, blood/
THYROXINE, pharmacodynamics/
TRIIODOTHYRONINE, blood
3024. Riedmann M: Gas chromatographic analysis of drugs and drug metabolites in biological samples. *Xenobiotica* 3:411-34, Jul 73 (63 ref.)
ACYLATION/ ALKYLATION/
AMITRIPTYLINE, blood/
CHLORAMPHENICOL, urine/
*CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, ION EXCHANGE/ DRUG
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CONCENTRATION/ METHODS/
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OXIMES/ PENTOBARBITAL, analysis/
REVIEW/ SILICA/ TEMPERATURE/
TESTOSTERONE, analysis/ THIOPENTAL,
analysis/ TIME FACTORS
3025. Rigor EM, Hansel W: In vitro progesterone synthesis by corpora lutea of hysterectomized ewes after in vivo stimulation with luteinizing hormone. *J Anim Sci* 37:718-21, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/

AUTHOR SECTION

- CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, metabolism/ CULTURE MEDIA/ ESTRUS/ FEMALE/ HYSTERECTOMY/ INJECTIONS, SUBCUTANEOUS/ LH, administration & dosage/ *LH, pharmacodynamics/ *PROGESTERONE, biosynthesis/ *SHEEP, physiology/ STIMULATION, CHEMICAL/ TIME FACTORS
3026. Rikans LE, Riddon RW: Role of 3',5'-cyclic AMP in the control of nuclear protein kinase activity. *Biochem Biophys Res Commun* 54:387-94, 5 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, enzymology/ CHROMATOGRAPHY, ION EXCHANGE/ HYDROGEN-ION CONCENTRATION/ MUSCLE PROTEINS, metabolism/ MUSCLE PROTEINS, pharmacodynamics/ MUSCLES, cytology/ MUSCLES, drug effects/ *MUSCLES, enzymology/ PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ PROTEIN KINASE, antagonists & inhibitors/ *PROTEIN KINASE, metabolism/ RATS/ TRITIUM
3027. Riley FC, Jowsey J, Brown DM: Osteogenesis imperfecta: morphologic and biochemical studies of connective tissue. *Pediatr Res* 7:757-68, Sep 73
ADOLESCENCE/ ADULT/ BIOPSY/ BONE REGENERATION/ BONE RESORPTION/ CHILD/ CHILD, PRESCHOOL/ COLLAGEN/ CONNECTIVE TISSUE/ CONNECTIVE TISSUE, metabolism/ *CONNECTIVE TISSUE, pathology/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROXYPROLINE, urine/ ILIUM, pathology/ INFANT/ MALE/ MICORADIOGRAPHY/ MICROSCOPY, ELECTRON/ OSTEOCYTES, cytology/ *OSTEOGENESIS IMPERFECTA/ OSTEOGENESIS IMPERFECTA, metabolism/ OSTEOGENESIS IMPERFECTA, pathology/ PARATHYROID HORMONE, blood
3028. Riley PA, Latter T, Sutton PM: Hormone assays on breast-tumour cultures. *Lancet* 2:818-20, 13 Oct 73
*ADENOFIBROMA, metabolism/ ADENOFIBROMA, pathology/ AUTORADIOGRAPHY/ *BREAST NEOPLASMS, metabolism/ CARBON RADIOISOTOPES/ *CARCINOMA, SCIRRHUS, metabolism/ CARCINOMA, SCIRRHUS, pathology/ CELLS, CULTURED/ *CYLINDROMA, metabolism/ CYLINDROMA, pathology/ DNA, NEOPLASM, biosynthesis/ *ESTROGENS, pharmacodynamics/ HUMAN/ IN VITRO/ NEOPLASM SEEDING/ NUCLEOTIDES, metabolism/ PROGESTERONE, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM
3029. Rimoin DL, Schechter JE: Histological and ultrastructural studies in isolated growth hormone deficiency. *J Clin Endocrinol Metab* 37:725-35, Nov 73
AGED/ AUTOPSY/ CORONARY VESSELS, pathology/ DWARFISM, PITUITARY, familial & genetic/ *DWARFISM, PITUITARY, pathology/ HUMAN/ HYPOTHALAMUS, pathology/ MALE/ MICROSCOPY, ELECTRON/ PANCREAS, pathology/ PEDIGREE/ PITUITARY GLAND, pathology/ *SOMATOTROPIN
3030. Rindt W: Gestagenpotenzen in der hormonalen Kontrazeption. *Geburtshilfe Frauenheilkd* 33:640-46, Aug 73 (Ger)
COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, WEST/ HUMAN/ *MENSTRUATION, drug effects/ TIME FACTORS
3031. Rioux F, Park WK, Regoli D: Application of drug-receptor theories to angiotensin. *Can J Physiol Pharmacol* 51:665-72, Sep 73
ACETYLCHOLINE, pharmacodynamics/ ANGIOTENSIN, antagonists & inhibitors/
- *ANGIOTENSIN, pharmacodynamics/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, THORACIC, drug effects/ ATROPINE, pharmacodynamics/ COCAINE, pharmacodynamics/ DIPHENHYDRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HISTAMINE, pharmacodynamics/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ METHYERGIDE, pharmacodynamics/ MORPHINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ PEPTIDES, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ *RECEPTORS, DRUG, drug effects/ RECEPTORS, HORMONE, drug effects/ SEROTONIN, pharmacodynamics/ STOMACH, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP
3032. Rippel RH, Johnson ES, White WF, et al: Ovulating and LH-releasing activity of a highly potent analog of synthetic gonadotropin-releasing hormone. *Endocrinology* 93:1449-52, Dec 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *FSH, blood/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *OVULATION, drug effects/ *PEPTIDES, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS
3033. Risum G: Psoriasis exacerbated by hypoparathyroidism with hypocalcaemia. *Br J Dermatol* 89:309-12, Sep 73
ADULT/ CALCIUM, blood/ CALCIUM, therapeutic use/ ERYTHRODERMA, chemically induced/ FOLIC ACID, therapeutic use/ HUMAN/ *HYPOCALCEMIA, complications/ *HYPOTHYROIDISM, complications/ MAGNESIUM, therapeutic use/ MALE/ PHOTIC STIMULATION, adverse effects/ POTASSIUM CHLORIDE, therapeutic use/ PREDNISONE, adverse effects/ *PSORIASIS, complications/ TETANY, chemically induced
3034. Ritchie HD: Advances in surgery. *Practitioner* 211:419-26, Oct 73 (35 ref.)
BILIARY TRACT, surgery/ ESOPHAGUS, surgery/ HUMAN/ HYPERTENSION, PORTAL, therapy/ INTESTINES, surgery/ NEOPLASMS, surgery/ PANCREAS, surgery/ REVIEW/ STOMACH, surgery/ SURGERY, education/ *SURGERY, OPERATIVE/ THYROID GLAND, surgery
3035. Robards GJ, Davis JR: Neonatal thyrotoxicosis. *Med J Aust* 2:432-4, 1 Sep 73
ADULT/ CARBIMAZOLE, therapeutic use/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, drug therapy/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ INFANT, NEWBORN, DISEASES, drug therapy/ LONG-ACTING THYROID STIMULATOR, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, drug therapy
3036. Robberecht P, Deschodt-Lanckman M, De Neef P, et al: Les phosphodiesterases hydrolysant les nucléotides cycliques dans le pancréas de rat. *Arch Int Physiol Biochim* 81:593, Sep 73 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ KINETICS/ PANCREAS, cytology/ PANCREAS, drug effects/ *PANCREAS, enzymology/ *PHOSPHODIESTERASES, metabolism/ PILOCARPINE, pharmacodynamics/ RATS/ SUBCELLULAR FRACTIONS, enzymology
3037. Robbertze JH: Die psigodinamika van anorexia nervosa. *S Afr Med J* 47:1544-50, 1 Sep 73 (Afr)
ADOLESCENCE/ AMENORRHEA, etiology/

AUTHOR SECTION

- *ANOREXIA NERVOSA/ ANOREXIA NERVOSA, complications/ ANOREXIA NERVOSA, diagnosis/ ANOREXIA NERVOSA, etiology/ ANOREXIA NERVOSA, therapy/ ATTITUDE/ CONSTIPATION, etiology/ EATING/ ENGLISH ABSTRACT/ FANTASY/ FEEDING BEHAVIOR/ FEMALE/ FOOD HABITS/ HUMAN/ HYPERKINESIS, etiology/ LIBIDO/ NEUROSES, OBSESSIVE-COMPULSIVE, complications/ PSYCHOANALYTIC THEORY/ PSYCHOTHERAPY/ PUBERTY/ SCHIZOPHRENIA, complications/ VOMITING, etiology
8. Robert F: L'adénome hypophysaire dans l'acromégalie-gigantisme. Etude macroscopique, histologique et ultrastructurale. Neurochirurgie 19:Suppl 2:117-62, May 73 (Fre)
*ACROMEGALY, etiology/ *ADENOMA, complications/ ADENOMA, pathology/ *ADENOMA, CHROMOPHOBE, complications/ ADENOMA, CHROMOPHOBE, pathology/ *ADENOMA, EOSINOPHILIC, complications/ ADENOMA, EOSINOPHILIC, pathology/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GIGANTISM, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, pathology
9. Robert HG, Boury-Heyler C, Madelenat P: Les kystes sous-péritonéaux récidivants d'origine ovarienne. Ann Chir 27:889-73, Sep 73 (Fre)
ADULT/ CASTRATION/ *CYSTS, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN CYSTS, complications/ *PERITONEAL DISEASES, etiology/ RECURRENCE
10. Roberts DM, Taylor G: Gastric parietal cell antihodies in young men with alcoholism and with non-ulcer dyspepsia. Digestion 9:30-5, 1973
ADOLESCENCE/ ADULT/ ALCOHOLISM, complications/ *ALCOHOLISM, immunology/ *AUTOANTIBODIES, analysis/ BIOPSY/ CHRONIC DISEASE/ *DYSPEPSIA, immunology/ *GASTRIC MUCOSA, immunology/ GASTRITIS, etiology/ GASTRITIS, immunology/ HUMAN/ MALE/ MICROSOMES, analysis/ THYROGLOBULIN, analysis/ THYROID GLAND, cytology
11. Roberts IM, Whittingham S, Mackay IR: Tolerance to an autoantigen-thyroglobulin. Antigen-binding lymphocytes in thymus and blood in health and autoimmune disease. Lancet 2:938-40, 27 Oct 73
ADOLESCENCE/ AGE FACTORS/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS/ AUTOANTIBODIES, analysis/ AUTOANTIGENS/ AUTOIMMUNE DISEASES, blood/ *AUTOIMMUNE DISEASES, immunology/ *BINDING SITES, ANTIBODY/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FETUS, immunology/ GASTRITIS, immunology/ HUMAN/ HYPERTHYROIDISM, immunology/ *IMMUNE TOLERANCE/ INFANT/ INFANT, NEWBORN/ *LYMPHOCYTES, immunology/ MALE/ PREGNANCY/ THYMUS GLAND, immunology/ THYMUS GLAND, physiology/ *THYROGLOBULIN/ THYROIDITIS, LYMPHOMATOUS, immunology/ VITILIGO, immunology
12. Roberts JJ, Sturrock JE: Enhancement by caffeine of N-methyl-N-nitrosourea-induced mutations and chromosome aberrations in Chinese hamster cells. Mutat Res 20:243-55, Nov 73
AZAGUANINE, pharmacodynamics/ *CAFFEINE, pharmacodynamics/ CELLS, CULTURED/ *CHROMOSOME ABERRATIONS/ DNA, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ HAMSTERS/ METHANESULFONATES, pharmacodynamics/ METHYLATION/ *MUTATION, drug effects/ NITROSOGUANIDINES, pharmacodynamics/ *NITROSOUREA COMPOUNDS, pharmacodynamics/ OVARY/ TIME FACTORS
3043. Roberts JS: Functional integrity of the oxytocin-releasing reflex in goats: dependence on estrogen. Endocrinology 93:1309-14, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GOATS, metabolism/ OVARY, drug effects/ OVARY, physiology/ *OXYTOCIN, secretion/ REFLEX/ SEASONS/ VAGINA, drug effects/ VAGINA, physiology
3044. Roberts MM, Forrest AP, Richards S, et al: Effect of hypophysectomy on the growth hormone response to insulin-induced hypoglycaemia. J Endocrinol 58:637-41, Sep 73
*BLOOD SUGAR/ BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/ HYPOGLYCEMIA, chemically induced/ HYPOPHYSECTOMY/ *INSULIN, pharmacodynamics/ *PITUITARY GLAND, physiology/ RADIOISOTOPES/ *SOMATOTROPIN, blood/ YTTRIUM ISOTOPES
3045. Roberts PS, Regelson W, Kingsbury B: Determination of fibrinogen in normal human plasma in the presence and absence of anticoagulants. J Lab Clin Med 82:822-8, Nov 73
BLOOD PROTEINS, analysis/ *FIBRINOGEN, analysis/ HEPARIN, pharmacodynamics/ HUMAN/ MERCURY/ METHODS/ POTASSIUM/ PRECIPITATION/ THIOCYANATES/ THROMBIN, pharmacodynamics/ THROMBOSIS
3046. Robertson GL, Bhoopalam N, Zeikowitz LJ: Vincristine neurotoxicity and abnormal secretion of antidiuretic hormone. Arch Intern Med 132:717-20, Nov 73
ADOLESCENCE/ ADULT/ ARGININE/ BLOOD/ CARCINOMA, OAT CELL, pathology/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKEMIA, LYMPHOCYTIC, pathology/ LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ OSMOLAR CONCENTRATION/ *PERIPHERAL NERVE DISEASES, chemically induced/ PREDNISONE, therapeutic use/ RADIOIMMUNOASSAY/ SODIUM, blood/ SODIUM, urine/ URINE/ VASOPRESSIN, blood/ *VASOPRESSIN, secretion/ *VINCISTINE, adverse effects/ VINCISTINE, therapeutic use
3047. Robins AH: Skin melanin content in blue-eyed and brown-eyed subjects. Hum Hered 23:13-8, 1973
ADULT/ ARM/ COLOR/ ESTROGENS, physiology/ *EYE/ FEMALE/ HAND/ HUMAN/ MALE/ *MELANIN, analysis/ *PIGMENTATION/ *SKIN/ SPECTROPHOTOMETRY
3048. Robins PR, Jowsey J: Effect of mithramycin on normal and abnormal bone turnover. J Lab Clin Med 82:576-86, Oct 73
ANIMAL EXPERIMENTS/ ARTERIES, metabolism/ AUTORADIOGRAPHY/ BODY WEIGHT, drug effects/ *BONE DEVELOPMENT, drug effects/ BONE RESORPTION, chemically induced/ *BONE RESORPTION, drug effects/ CALCINOSIS, chemically induced/ CALCIUM, metabolism/ FEMUR, growth & development/ HEPATITIS, TOXIC, etiology/ HYPERCALCEMIA, prevention & control/ KIDNEY, drug effects/ KIDNEY, metabolism/ LIVER, drug effects/ *MITHRAMYCIN, pharmacodynamics/ MITHRAMYCIN, toxicity/ MYOCARDIUM, metabolism/ ORGAN WEIGHT/ OSTEOCLASTS, drug effects/ PARATHYROID HORMONE/ PHOSPHATES/ RABBITS/ RATS
3049. Robinson A: Proceedings: Parameters for monitoring growth in children with congenital adrenal hyperplasia. Arch Dis Child 48:828, Oct 73
*ADRENAL GLAND HYPERFUNCTION, congenital/ BODY HEIGHT/ CHILD/ *GROWTH/ HUMAN/ MONITORING SYSTEMS/ TIME FACTORS
3050. Robinson AG, Archer DF, Tolstoi LF: Neurophysin in

AUTHOR SECTION

- women during oxytocin-related events.
J Clin Endocrinol Metab 37:645-52, Nov 73
AMNIOTIC FLUID, analysis/ BLOOD/
COITUS/ FEMALE/ GESTATIONAL AGE/
GONADOTROPINS, PITUITARY, analysis/
HUMAN/ IODINE RADIOISOTOPES/
LACTATION/ METHODS/ NEUROPHYSINS,
analysis/ *NEUROPHYSINS, blood/
*OXYTOCIN, physiology/ PLACENTA/
PREGNANCY/ RADIOIMMUNOASSAY/
SOMATOTROPIN, analysis/ UMBILICAL CORD
3051. Robinson RR: A sertoli-cell tumor in ectopic testicular tissue. Mod Vet Pract 54:69, Oct 73
ANIMAL EXPERIMENTS/ *DOG DISEASES,
pathology/ DOGS/ MALE/ SERTOLI CELL
TUMOR, pathology/ *SERTOLI CELL TUMOR,
veterinary/ TESTICULAR NEOPLASMS,
pathology/ *TESTICULAR NEOPLASMS,
veterinary/ *TESTIS, abnormalities
3052. Roblero L: Effect of progesterone in vivo upon the rate of cleavage of mouse embryos.
J Reprod Fertil 35:153-5, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
FEMALE/ INJECTIONS, INTRAPERITONEAL/
MALE/ MICE/ MITOSIS, drug effects/
OVULATION/ OVUM, cytology/ *OVUM, drug
effects/ *PROGESTERONE, pharmacodynamics
3053. Roche JF, Crowley JP: The fertility of helpers inseminated at predetermined intervals following treatment with MGA and HCG to control ovulation.
J Reprod Fertil 35:211-6, Nov 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ ESTRUS, drug effects/ FEMALE/
*FERTILITY, drug effects/ FERTILIZATION,
drug effects/ *GONADOTROPINS, CHORIONIC,
pharmacodynamics/ INSEMINATION,
ARTIFICIAL, veterinary/ MELENGESTROL,
pharmacodynamics/ OVULATION, drug effects/
*PREGNADIENES, pharmacodynamics/
PREGNANCY/ *PROGESTATIONAL
HORMONES, pharmacodynamics
3054. Rodan GA, Katz EP: Calcium binding to nondialyzable components of rat blood under in vivo conditions.
Am J Physiol 225:1082-8, Nov 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS/
*CALCIUM, blood/ CALCIUM, metabolism/
DIALYSIS/ *EXTRACORPOREAL
CIRCULATION/ HOMEOSTASIS/ MALE/
PROTEIN BINDING/ RATS
3055. Rode A, Shephard RJ: Growth, development and fitness of the Canadian Eskimo. Med Sci Sports 5:161-9, Fall 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
BODY HEIGHT/ BODY WEIGHT/ CANADA/
CHILD/ *CHILD DEVELOPMENT/ *ESKIMOS/
EXERTION/ FEMALE/ *GROWTH/ HUMAN/
KNEE, physiology/ MALE/ MUSCLES,
physiology/ OXYGEN CONSUMPTION/
*PHYSICAL FITNESS/ PUBERTY/ PULSE/
RESPIRATION/ SAMPLING STUDIES/ SEX
FACTORS/ SKINFOLD THICKNESS
3056. Roeder LM: Long-term effects of maternal and infant feeding. Am J Clin Nutr 28:1120-3, Oct 73 (24 ref.)
ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ BEHAVIOR, ANIMAL/ DIET
THERAPY/ DNA, metabolism/ FEMALE/
GROWTH/ HUMAN/ INFANT NUTRITION/
LACTATION/ LONGEVITY/ MALE/
MATERNAL-FETAL EXCHANGE/ NUTRITION
DISORDERS, metabolism/ *NUTRITION
DISORDERS, prevention & control/
NUTRITION DISORDERS, therapy/
PREGNANCY/ *PREGNANCY
COMPLICATIONS/ RATS/ REVIEW/ RNA,
metabolism/ TIME FACTORS/ WEANING
3057. Roetz R, Nevinsky-Stickel J: Serumfolat, Serumfolsen und totale Eisenbindungs-kapazität des Serums unter hormonaler Kontrazeption. Ergebnisse einer prospektiven Untersuchung.
Geburtsblfte Frauenheilkd 33:829-35, Aug 73 (Ger)
ADULT/ BERLIN/ *CONTRACEPTIVES, ORAL,
pharmacodynamics/ ENGLISH ABSTRACT/
FEMALE/ *FOLIC ACID, blood/ FOLIC ACID
DEFICIENCY, chemically induced/
HEMATOCRIT/ HEMOGLOBIN, analysis/
HUMAN/ *IRON, blood/ PROSPECTIVE
STUDIES/ PROTEIN BINDING
3058. Rogers LW, Ostrow PT: The prune belly syndrome. Report of 20 cases and description of a lethal variant.
J Pediatr 83:786-93, Nov 73
*ABDOMINAL WALL, abnormalities/
ABDOMINAL WALL, pathology/
ABNORMALITIES, MULTIPLE, complications/
*ABNORMALITIES, MULTIPLE, diagnosis/
AGE FACTORS/ AUTOPSY/ CHILD/
CRYPTORCHISM, complications/
CYSTOSCOPY/ DILATATION/ FEMALE/
GENITALIA, pathology/ HUMAN/ INFANT/
INFANT, NEWBORN/ KIDNEY, pathology/
MALE/ *MUSCLES, abnormalities/
SYNDROME/ TESTIS, abnormalities/
URETHRA, pathology/ URETHRAL
STRICTURE, complications/ URINARY
DIVERSION/ *URINARY TRACT, abnormalities
3059. Rohde W, Knappe G, Mennig H, et al: Assessment of somatotrophic hypophyseal function in acromegalic patients by estimation of serum growth hormone before and after surgical treatment.
Horm Res 4:129-40, 1973
*ACROMEGALY, physiopathology/
ACROMEGALY, surgery/ ADENOMA, surgery/
ARGININE, diagnostic use/ GLUCOSE
TOLERANCE TEST/ HUMAN/ INSULIN,
diagnostic use/ IODINE RADIOISOTOPES/
METHODS/ *PITUITARY GLAND,
physiopathology/ PITUITARY GLAND,
surgery/ PITUITARY NEOPLASMS, surgery/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
blood/ TIME FACTORS
3060. Rohen JW, Linnér E, Wittmer R: Electron microscopic studies on the trabecular meshwork in two cases of corticosteroid-glaucoma.
Exp Eye Res 17:19-31, 10 Oct 73
*ADRENAL CORTEX HORMONES, adverse
effects/ ADULT/ BASEMENT MEMBRANE/
CELL NUCLEUS/ CELLULAR INCLUSIONS/
*CILARY BODY, pathology/ COLLAGEN/
CONJUNCTIVITIS, drug therapy/
CYTOPLASM/ ENDOPLASMIC RETICULUM/
FEMALE/ GLAUCOMA, chemically induced/
*GLAUCOMA, pathology/ HUMAN/ MALE/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
RIBOSOMES
3061. Rohte O, Müntzing J: Effects of reserpine, 6-hydroxydopamine, p-chloropbenylalanine and a combination of these substances on the grooming behaviour of mice.
Psychopharmacologia 31:333-42, 3 Aug 73
ANIMAL EXPERIMENTS/ BODY
TEMPERATURE/ BRAIN CHEMISTRY/
DOPAMINE, analysis/ DRUG SYNERGISM/
FEMALE/ *GROOMING/
*HYDROXYDOPAMINE, pharmacodynamics/
MICE/ NOREPINEPHRINE, analysis/
*RESERPINE, pharmacodynamics/ SEROTONIN
analysis
3062. Roisen FJ, Murphy RA: Neurite development in vitro II. The role of microfilaments and microtubules in dibutyryl adenosine 3',5'-cyclic monophosphate and nerve growth factor stimulated maturation.
J Neurobiol 4:397-412, 1973
ANIMAL EXPERIMENTS/ CHICK EMBRYO/
CYTOCHALASIN B, antagonists & inhibitors/
CYTOCHALASIN B, pharmacodynamics/
DEMECOLCINE, antagonists & inhibitors/
DEMECOLCINE, pharmacodynamics/
*DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ FIBROBLASTS/ GANGLIA,
drug effects/ GANGLIA, embryology/
MICROSCOPY, ELECTRON/ *MICROTUBULES
drug effects/ *NERVE GROWTH FACTOR,
pharmacodynamics/ SCHWANN CELLS/
SPINAL NERVE ROOTS, drug effects/
*SPINAL NERVE ROOTS, embryology/
TISSUE CULTURE
3063. Rolland R, Schellekens L: A new approach to the inhibition of puerperal lactation.
J Obstet Gynaecol Br Commonw 80:945-51, Nov 73

AUTHOR SECTION

- BLOOD PRESSURE, drug effects/
CHEMISTRY/ DIURESIS, drug effects/
ERGOT ALKALOIDS, administration & dosage/
*ERGOT ALKALOIDS, pharmacodynamics/
FEMALE/ HUMAN/ *LACTATION, drug
effects/ MILK, secretion/ PAIN/ PLACEBOS/
PREGNANCY/ PULSE, drug effects
4. Röllinghoff M, Wagner H: In vitro induction of tumor
specific immunity: requirements for T lymphocytes
and tumor growth inhibition in vivo.
Eur J Immunol 3:471-6, Aug 73
ANIMAL EXPERIMENTS/ CELLS,
CULTURED/ CHROMIUM RADIOISOTOPES/
CORTISONE/ CYTOTOXICITY TESTS,
IMMUNOLOGIC/ FIBROSARCOMA,
Immunology/ IMMUNE SERUMS/ *IMMUNITY,
CELLULAR/ LYMPH NODES, cytology/
LYMPHOCYTES, radiation effects/ MICE/
MICE, INBRED BALB C/ MICE, INBRED
C57BL/ MICE, INBRED CBA/
*PLASMACYTOMA, immunology/ RADIATION
CHIMERA/ RADIATION EFFECTS/ SPLEEN,
cytology/ THORACIC DUCT, cytology/
THYMUS GLAND, cytology
5. Romaniak MI, Gudivok II: Oh adenome
okoloschichtovidnykh zhelez.
Sov Med 35:131-2, Jun 72 (Rus)
*ADENOMA, diagnosis/ ADULT/ FEMALE/
HUMAN/ MIDDLE AGE/ *PARATHYROID
NEOPLASMS, diagnosis
6. Romaniuk A, Brudzyński S, Grońska J: Rage reaction
evoked by intrahypothalamic injection of carbachol in
cats. Acta Physiol Pol 24:623-30, 1973
*ANGER, drug effects/ ANIMAL
EXPERIMENTS/ BEHAVIOR, ANIMAL, drug
effects/ CARBACHOL, administration &
dosage/ *CARBACHOL, pharmacodynamics/
CATS/ DEFECATION, drug effects/
ELECTRODES, IMPLANTED/
ELECTROENCEPHALOGRAPHY/ FEMALE/
HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, physiology/ MALE/
MICROINJECTIONS/ Piloerection, drug
effects/ RECEPTORS, NEURAL, drug effects/
STIMULATION, CHEMICAL
7. Romanov IuA, Ivchenko TN, Panchenko LF: Deistvie
tiroksina na razmnzozhenie kletok v kul'ture HeLa.
Prohl Endokrinol (Mosk) 19:90-4, Sep-Oct 73 (Rus)
ANIMAL EXPERIMENTS/ CELL DIVISION,
drug effects/ DNA, biosynthesis/ ENGLISH
ABSTRACT/ *HELA CELLS, drug effects/
MITOSIS, drug effects/ *THYROXINE,
pharmacodynamics
8. Romanova EP: Sakharlyi diabet i heremennost.
Sov Med 35:41-9, Jun 72 (69 ref.) (Rus)
ABORTION, etiology/ DELIVERY, adverse
effects/ *DIABETES MELLITUS,
complications/ DIABETES MELLITUS, drug
therapy/ DIABETES MELLITUS,
physiopathology/ FEMALE/ HORMONES,
physiology/ HUMAN/ HYDRAMNIOS, etiology/
INFANT MORTALITY/ INFANT, NEWBORN/
INFANT, NEWBORN, DISEASES, etiology/
INSULIN, therapeutic use/ LABOR
COMPLICATIONS, etiology/ LABOR,
INDUCED/ MATERNAL MORTALITY/
PREGNANCY/ *PREGNANCY IN DIABETES,
complications/ PREGNANCY IN DIABETES,
drug therapy/ PREGNANCY IN DIABETES,
physiopathology/ PREGNANCY TOXEMIAS,
etiology/ PUERPERIUM/ REVIEW/ TIME
FACTORS/ URINARY TRACT INFECTIONS,
etiology
9. Rome RM, Lavery CR, Brown JB: Ovarian tumours in
postmenopausal women. Clinicopathological features
and hormonal studies.
J Obstet Gynaecol Br Commonw 80:984-91, Nov 73
ADENOCARCINOMA, enzymology/ AGED/
CYSTADENOCARCINOMA, enzymology/
CYSTADENOMA, MUCINOUS, enzymology/
ENDOMETRIOSIS, enzymology/
ENDOMETRIUM, anatomy & histology/
*ESTROGENS, urine/ FEMALE/
HEMORRHAGE/ HUMAN/ *MENOPAUSE/
MIDDLE AGE/ NEOPLASM METASTASIS/
*OVARIAN NEOPLASMS, pathology/
OVARIAN NEOPLASMS, urine/ OVARY,
pathology/ *PREGNANEDIOL, urine/ VAGINA,
cytology
3070. Romero E: Cuadros clínicos adenohipofisarios de la
STH y de la ACTH de origen hipotalámico.
Rev Iber Endocrinol 20:451-523, Sep-Oct 73 (Spa)
ADRENAL GLAND DISEASES,
physiopathology/ *CORTICOTROPIN, secretion/
ENGLISH ABSTRACT/ HUMAN/
HYPOPITUITARISM, physiopathology/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
physiopathology/ PITUITARY-ADRENAL
FUNCTION TESTS/ *PITUITARY-ADRENAL
SYSTEM/ *PITUITARY DISEASES,
physiopathology/ SOMATOTROPIN, secretion/
SOMATOTROPIN RELEASING HORMONE,
secretion/ *THYROTROPIN, secretion
3071. Romero EG, Castillo-Olivares JL, O'Connor F, et al: The
importance of calcium and magnesium ions in serum
and cerebrospinal fluid during cardiopulmonary
bypass. J Thorac Cardiovasc Surg 66:668-72, Oct 73
ANIMAL EXPERIMENTS/ BICARBONATES,
blood/ CALCIUM, blood/ CALCIUM,
cerebrospinal fluid/ *CALCIUM, metabolism/
CARBON DIOXIDE, blood/ DOGS/
*EXTRACORPOREAL CIRCULATION/
HEMATOCRIT/ HEPARIN, administration &
dosage/ HYDROGEN-ION CONCENTRATION/
LACTATES, administration & dosage/
MAGNESIUM, blood/ MAGNESIUM,
cerebrospinal fluid/ *MAGNESIUM,
metabolism/ OXYGEN, blood
3072. Romero JC, Hoobler SW, Kozak TJ, et al: Effect of
antrenin on blood pressure of rabbits with
experimental renal hypertension.
Am J Physiol 225:810-7, Oct 73
ANIMAL EXPERIMENTS/ ANTIBODIES/
*BLOOD PRESSURE/ CONSTRICTION/
DISEASE MODELS, ANIMAL/
*HYPERTENSION, RENAL, physiopathology/
*IMMUNE SERUMS, pharmacodynamics/
MALE/ NEPHRECTOMY/ RABBITS/ RENAL
ARTERY/ *RENIN, blood/ SWINE,
immunology/ TIME FACTORS
3073. Romijn HJ: Structure and innervation of the pineal
gland of the rabbit, Oryctolagus cuniculus (L.). II. An
electron microscopic investigation of the
pinealocytes.
Z Zellforsch Mikrosk Anat 141:545-60, 14 Aug 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/
CELLULAR INCLUSIONS/ CHROMATIN/
CYTOPLASMIC GRANULES/ ENDOPLASMIC
RETICULUM/ FIBROBLASTS, cytology/
GLYCOGEN/ GOLGI APPARATUS/ MALE/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
NEUROGLIA, cytology/ PIGMENTS/ *PINEAL
BODY, cytology/ RABBITS/ RIBOSOMES
3074. Ronský R: Etiopatogeneze vleké pankreatitidy.
Cesk Gastroenterol Vyz 27:396-8, Sep 73 (Cze)
ALCOHOLISM, complications/ CHRONIC
DISEASE/ DIVERTICULOSIS, complications/
HUMAN/ HYPERPARATHYROIDISM,
complications/ *PANCREATITIS, etiology
3075. Rontal E, Meyerhoff W, Duvall AJ 3d: Metastatic
abscess as a complication of retrograde esophageal
dilatation.
Ann Otol Rhinol Laryngol 82:643-8, Sep-Oct 73
ADOLESCENCE/ ANTI-INFLAMMATORY
AGENTS, administration & dosage/
ANTI-INFLAMMATORY AGENTS, therapeutic
use/ ARTHRITIS, INFECTIOUS, complications/
BRAIN ABSCESS, diagnosis/ *BRAIN
ABSCESS, etiology/ BURNS, CHEMICAL,
complications/ BURNS, CHEMICAL, drug
therapy/ BURNS, CHEMICAL, etiology/
CAUSTICS, poisoning/ DILATATION, adverse
effects/ ESOPHAGEAL STENOSIS, etiology/
ESOPHAGEAL STENOSIS, radiography/
*ESOPHAGEAL STENOSIS, therapy/ FEMALE/
HUMAN/ INFANT/ MALE/
METHYLPREDNISOLONE, administration &
dosage/ METHYLPREDNISOLONE, therapeutic

AUTHOR SECTION

- use/ SUCCINATES, administration & dosage/
SUCCINATES, therapeutic use/ TEMPORAL
LOBE/ TIME FACTORS
3076. Roos BA: ACTH and cAMP stimulation of adrenal
ribosomal protein phosphorylation.
Endocrinology 93:1287-93, Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ADRENAL GLANDS, cytology/ *ADRENAL
GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ CELL FRACTIONATION/
*CORTICOTROPIN, pharmacodynamics/
CYTOSOL, metabolism/ IN VITRO/ MICE/
*PHOSPHATES, metabolism/ PHOSPHORUS
RADIOISOTOPES/ PROTEINS, metabolism/
*RIBOSOMES, metabolism
3077. Roos J, Shoot JB v.d.: The uptake of gallium-67 in
euthyroid patients with multinodular goitre.
Acta Med Scand 194:225-8, 1973
ADENOCARCINOMA, diagnosis/
ADENOCARCINOMA, PAPILLARY, diagnosis/
ADOLESCENCE/ ADULT/ AGED/ FEMALE/
*GALLIUM, diagnostic use/ *GOITER,
NODULAR, diagnosis/ HUMAN/ IODINE
ISOTOPES, DIAGNOSTIC/
LEIOMYOSARCOMA, diagnosis/ LIVER
NEOPLASMS, diagnosis/ MALE/ MIDDLE
AGE/ NEOPLASM METASTASIS/
RADIOISOTOPE SCANNING/
*RADIOISOTOPES, diagnostic use/ SKULL
NEOPLASMS, diagnosis/ TECHNETIUM,
diagnostic use/ *THYROID NEOPLASMS,
diagnosis
3078. Roos W: Indikationen und Kontraindikationen der
zerebralen Angiographie bei
ophthalmo-neurologischen Erkrankungen.
Klin Monatsbl Augenheilkd 162:766-71, Jun 73 (Ger)
ABDUCENT NERVE/ *CEREBRAL
ANGIOGRAPHY/ CEREBRAL ANGIOGRAPHY,
adverse effects/ ENGLISH ABSTRACT/
EXOPHTHALMOS, radiography/ *EYE
DISEASES, radiography/ HEAD INJURIES,
complications/ HUMAN/ OCULOMOTOR
PARALYSIS, radiography/ SKULL
NEOPLASMS, complications
3079. Rosemont JL, Merlevede W: Activation of
phosphorylase phosphatase from bovine adrenal
cortex by bivalent metal ions.
Arch Int Physiol Biochim 80:981-3, Dec 72
ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ *ADRENAL GLANDS,
enzymology/ ANIMAL EXPERIMENTS/
CADMIUM, pharmacodynamics/ *CATIONS,
DVALENT, pharmacodynamics/ CATTLE/
COBALT, pharmacodynamics/ ENZYME
ACTIVATION/ GLYCOGEN PHOSPHORYLASE/
MAGNESIUM, pharmacodynamics/
MANGANESE, pharmacodynamics/ NICKEL,
pharmacodynamics/ *PHOSPHATASES,
metabolism/ ZINC, pharmacodynamics
3080. Rosemont JL, Merlevede W: Influence of thiol
reagents on the metal activation of phosphorylase
phosphatase from bovine adrenal cortex.
Arch Int Physiol Biochim 81:594, Sep 73
ADRENAL GLANDS, drug effects/ *ADRENAL
GLANDS, enzymology/ *CADMIUM,
pharmacodynamics/ CATTLE/ GLYCOGEN
PHOSPHORYLASE/ *MERCURIBENZOATES,
pharmacodynamics/ *NICKEL,
pharmacodynamics/ *PHOSPHATASES,
metabolism/ PROTEIN BINDING/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION/ SULFHYDRYL REAGENTS,
pharmacodynamics/ *THIOSULFATES,
pharmacodynamics
3081. Rooyen RJ van, Kluever HW: Die achilles-refleks by
tiroedeklierafwykings.
S Afr Med J 47:1643-7, 15 Sep 73 (Afr)
*ACHILLES TENDON, physiotherapy/
ELECTROCARDIOGRAPHY, instrumentation/
ENGLISH ABSTRACT/ HUMAN/
HYPERTHYROIDISM, physiotherapy/
HYPOTHYROIDISM, physiotherapy
- *REFLEX, TENDON/ *THYROID DISEASES,
physiotherapy
3082. Rooyen RJ van, Cusins PJ: Addison's disease due to
Histoplasma capsulatum.
S Afr Med J 47:1953-5, 20 Oct 73
ADDISON'S DISEASE, drug therapy/
*ADDISON'S DISEASE, etiology/ ADDISON'S
DISEASE, microbiology/ ADDISON'S DISEASE,
pathology/ ADRENAL GLANDS, microbiology/
ADRENAL GLANDS, pathology/
AMPHOTERICIN B, therapeutic use/
AUTOPSY/ HISTOPLASMA, isolation &
purification/ *HISTOPLASMOSIS,
complications/ HISTOPLASMOSIS, drug
therapy/ HISTOPLASMOSIS, microbiology/
HISTOPLASMOSIS, pathology/ HUMAN/
HYDROCORTISONE, therapeutic use/ LUNG,
microbiology/ MALE/ MIDDLE AGE/ ORAL
MANIFESTATIONS/ SODIUM CHLORIDE,
therapeutic use/ THROMBOPHEBITIS,
pathology/ TONGUE DISEASES, etiology/
ULCER, etiology/ VENA CAVA, INFERIOR,
pathology
3083. Rosa JC da, Plovesan JB: Tratamento cirúrgico do
hipertireoidismo: análise sobre 103 casos.
Rev Hosp Clin Fac Med Sao Paulo 28:235-42, Sep-Oct 73
(Por)
ADULT/ AGED/ DEGLUTITION DISORDERS,
etiology/ ENGLISH ABSTRACT/ FEMALE/
GOITER, EXOPHTHALMIC, surgery/ HUMAN/
*HYPERTHYROIDISM, surgery/ MALE/
MIDDLE AGE/ THYROIDECTOMY
3084. Roșca V, Nechifor M: Actualități privind implicațiile
fiziologice și farmacologice ale prostaglandinelor.
Rev Med Chir Soc Med Nat Iasi 77:433-9, Jul-Sep 73
(Rum)
ANIMAL EXPERIMENTS/ CARDIOVASCULAR
SYSTEM, drug effects/ GASTROINTESTINAL
SYSTEM, drug effects/ GENITALIA, drug
effects/ HUMAN/ KIDNEY, drug effects/
METABOLISM, drug effects/ MUSCLE,
SMOOTH, drug effects/ NERVOUS SYSTEM,
drug effects/ PROSTAGLANDINS,
pharmacodynamics/ *PROSTAGLANDINS,
physiology
3085. Rosdy E, Babics A, Papp G: Erfahrungen bei der
chirurgischen Behandlung der Cushingschen
Krankheit und des Conn'schen Syndroms.
Acta Chir Acad Sci Hung 14:183-93, 1973 (Ger)
ADENOMA, surgery/ ADOLESCENCE/
ADRENAL GLAND NEOPLASMS, surgery/
ADRENALECTOMY/ ADULT/ CHILD/ CHILD,
PRESCHOOL/ CORTISONE, therapeutic use/
CUSHING'S SYNDROME, diagnosis/
*CUSHING'S SYNDROME, surgery/ FEMALE/
HUMAN/ HYPERALDOSTERONISM, diagnosis/
*HYPERALDOSTERONISM, surgery/ MALE/
MIDDLE AGE/ UROGRAPHY
3086. Rose MB, Pambakian H: Bilateral torsion of the
appendix testis. J Urol 110:408-9, Oct 73
ADULT/ EDEMA, etiology/ HUMAN/
HYDROCELE, etiology/ MALE/ SPERMATIC
CORD TORSION, complications/ *SPERMATIC
CORD TORSION, surgery/ *TESTIS,
abnormalities
3087. Roseman TJ, Yalkowsky SH: Physicochemical
properties of prostaglandin F2 alpha (tromethamine
salt): solubility behavior, surface properties, and
ionization constants. J Pharm Sci 62:1680-5, Oct 73
CHEMISTRY, PHYSICAL/
CHROMATOGRAPHY, GAS/ HYDROGEN-ION
CONCENTRATION/ KINETICS/
*PROSTAGLANDINS/ SOLUBILITY/ SURFACE
PROPERTIES/ SURFACE TENSION/
*TROMETHAMINE
3088. Rosen P, Oliva G: 15-Oxa steroids.
J Org Chem 38:3040-6, 24 Aug 73
*ANDROSTANES, chem synthesis/
CYCLIZATION/ *ESTRONE, chem synthesis/
HYDROLYSIS/ KETOSTEROIDS, chem
synthesis
3089. Rosen SM, Robinson PJ: Interdependence of

AUTHOR SECTION

- exchangeable sodium and plasma renin concentration in determining blood pressure in patients treated by maintenance dialysis. *Br Med J* 4:139-43, 20 Oct 73
ADOLESCENCE/ ADULT/ *BLOOD PRESSURE/ BODY WEIGHT/ FEMALE/ *HEMODIALYSIS/ HUMAN/ KIDNEY DISEASES, blood/ MALE/ MIDDLE AGE/ RADIOISOTOPES/ *RENIN, blood/ *SODIUM, blood/ SODIUM ISOTOPES/ TIME FACTORS
90. Rosenblatt S, Leighton WP, Chanley JD: Dopamine-beta-hydroxylase: evidence for increased activity in sympathetic neurons during psychotic states. *Science* 182:923-4, 20 Nov 73
DOPAMINE, metabolism/ *DOPAMINE BETA HYDROXYLASE, metabolism/ HOMOVANILLIC ACID, analysis/ HUMAN/ MALE/ METHOXYHYDROXYPHENYL GLYCOL, analysis/ METHYL ETHERS, analysis/ NEURONS, enzymology/ NOREPINEPHRINE, biosynthesis/ NORMETANEPHRINE, analysis/ *PSYCHOSES, MANIC-DEPRESSIVE, enzymology/ SALIVA, analysis/ SALIVA, metabolism/ *SALIVARY GLANDS, innervation/ *SCHIZOPHRENIA, enzymology/ SYMPATHETIC NERVOUS SYSTEM, cytology/ *SYMPATHETIC NERVOUS SYSTEM, enzymology/ TRITIUM/ TYRAMINE, analysis/ VANILMANDELIC ACID, analysis
91. Rosenbloom AL, Moore MM: Hyperfunctioning thyroid adenoma in a euthyroid adolescent. *South Med J* 66:1247-9, Nov 73
ADENOMA, diagnosis/ *ADENOMA, metabolism/ ADENOMA, surgery/ ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPERTHYROIDISM/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, metabolism/ THYROID NEOPLASMS, surgery/ THYROTROPIN, pharmacodynamics/ THYROXINE, pharmacodynamics
92. Rosenfield RL, Fang VS, Dupon C, et al: The effects of low doses of depot estradiol and testosterone in teenagers with ovarian failure and Turner's syndrome. *J Clin Endocrinol Metab* 37:574-80, Oct 73
ADOLESCENCE/ *ESTRADIOL, administration & dosage/ ESTRADIOL, blood/ ESTRADIOL, therapeutic use/ ESTRONE, blood/ FEMALE/ FSH, blood/ HALF-LIFE/ HUMAN/ LH, blood/ *OVARIAN DISEASES, drug therapy/ PROTEIN BINDING/ SERUM GLOBULINS/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood/ TESTOSTERONE, therapeutic use/ TIME FACTORS/ *TURNER'S SYNDROME, drug therapy
93. Roskam J: Temps de saignement et médications hémostatiques. *Rev Med Liege* 28:565-8, 15 Aug 73 (Fre)
ADRENOCHROME, therapeutic use/ BLOOD COAGULATION DISORDERS, diagnosis/ *BLOOD COAGULATION DISORDERS, drug therapy/ *BLOOD COAGULATION TESTS/ *HEMORRHAGE, drug therapy/ HEMORRHAGE, prevention & control/ HEMOSTATICS, administration & dosage/ *HEMOSTATICS, therapeutic use/ HUMAN/ POSTOPERATIVE COMPLICATIONS, prevention & control/ PREOPERATIVE CARE/ *SURGERY, OPERATIVE
94. Rösler H, Kinser J: Die Radiojodbehandlung des M. Basedow. *Ther Umsch* 30:717-25, Oct 73 (Ger)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE/ RADIOTHERAPY DOSAGE
95. Rosner W, Darmstadt R, Tauster SJ: The kinetics of cortisol dissociation from purified human corticosteroid-binding globulin: studies in a flowing system. *J Steroid Biochem* 4:249-55, May 73
DIALYSIS/ DIALYSIS, instrumentation/ HUMAN/ *HYDROCORTISONE, metabolism/ KINETICS/ MATHEMATICS/ METHODS/ PROTEIN BINDING/ TEMPERATURE/ THERMODYNAMICS/ TIME FACTORS/ *TRANSCORTIN, metabolism/ TRITIUM
3096. Rosner W, Darmstadt RA, Toppel S: A simple precipitin test for corticosteroid-binding globulin: use in a search for the absence of corticosteroid-binding globulin in 10,000 subjects. *J Clin Endocrinol Metab* 37:983-5, Dec 73
FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ HYDROCORTISONE, blood/ MALE/ METHODS/ *PRECIPITIN TESTS/ PREGNANCY/ RABBITS, immunology/ *TRANSCORTIN, blood/ TRITIUM
3097. Ross HC, Won WD: Susceptibility of mice to airborne Klebsiella pneumoniae infection in helium-oxygen atmospheres. *Aerosp Med* 44:1009-12, Sep 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ BODY WEIGHT/ ENVIRONMENT, CONTROLLED/ FEMALE/ *HELIUM/ HYDROCORTISONE, blood/ *KLEBSIELLA INFECTIONS, pathophysiology/ *KLEBSIELLA PNEUMONIAE/ MICE/ *OXYGEN/ SEROTONIN, blood
3098. Ross PD, Fletcher AP, Jamieson GA: Microcalorimetric study of isolated blood platelets in the presence of thrombin and other aggregating agents. *Biochim Biophys Acta* 313:106-18, 20 Jun 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANTIMYCIN A, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ CADMIUM, pharmacodynamics/ CALORIMETRY/ COLLAGEN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCOSE/ GLYCOLYSIS, drug effects/ HUMAN/ IN VITRO/ MANGANESE, pharmacodynamics/ MICROCHEMISTRY/ NITROGEN/ OXIDATIVE PHOSPHORYLATION, drug effects/ *PLATELET ADHESIVENESS, drug effects/ SODIUM CHLORIDE/ *THROMBIN, pharmacodynamics/ TIME FACTORS
3099. Ross WE, Oppelt WW: The effects of dibutyl cyclc AMP on the hepatic mixed function oxidase system in hormonally altered rats. *Res Commun Chem Pathol Pharmacol* 6:541-9, Sep 73
AMINOPYRINE N-DEMETHYLASE, metabolism/ ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ CASTRATION/ CYTOCHROME P-450, metabolism/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ HYDROXYLASES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ METHYLTESTOSTERONE, pharmacodynamics/ MICROSOMES, LIVER, enzymology/ *OVARY, physiology/ *OXIDOREDUCTASES, metabolism/ RATS/ *TESTIS, physiology/ TIME FACTORS
3100. Rossi CS: Some aspects of ion movements across the membrane of mitochondria isolated from normal and tumour tissues. *Afr J Med Sci* 4:293-9, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ *CARCINOMA, EHRlich TUMOR, metabolism/ CELL MEMBRANE PERMEABILITY/ CELL MEMBRANE PERMEABILITY, drug effects/ DINITROPHENOLS, pharmacodynamics/ IN VITRO/ IONS/ MICE/ *MITOCHONDRIA, metabolism/ MODELS, BIOLOGICAL/ NEURAL TRANSMISSION/ OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION
3101. Rossier J, Bauman A, Benda P: Antibodies to rat brain choline acetyltransferase: species and organ specificity. *FEBS Lett* 36:43-8, 1 Oct 73
*ACETYLTRANSFERASES/ ANTIBODIES/ *BRAIN, immunology/ CARBON RADIOISOTOPES/ CARNITINE/ CATS/ CATTLE/ CHOLINE/ COMPARATIVE STUDY/

AUTHOR SECTION

- FEMALE/ GEL DIFFUSION TESTS/ GUINEA PIGS/ HAMSTERS/ HEAT/ HUMAN/ MICE/ NEUROBLASTOMA, immunology/ ORGAN SPECIFICITY/ PIGEONS/ PLACENTA, enzymology/ PRECIPITIN TESTS/ PREGNANCY/ RABBITS, immunology/ RATS/ SHEEP/ SPECIES SPECIFICITY
3102. Rossier J, Bauman A, Benda P: Improved purification of rat brain choline acetyltransferase by using an immunoabsorbent. *FEBS Lett* 32:231-4, 1 Jun 73
*ACETYLTRANSFERASES, isolation & purification/ ADRENAL GLANDS, immunology/ ADSORPTION/ ANIMAL EXPERIMENTS/ ANTIBODIES/ *BRAIN, enzymology/ CARBON ISOTOPES/ CHICKENS, immunology/ CHOLINE/ CHROMATOGRAPHY, ION EXCHANGE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GUINEA PIGS, immunology/ HAMSTERS, immunology/ IMMUNE SERUMS/ MALE/ RABBITS, immunology/ RATS/ SPECIES SPECIFICITY
3103. Roth JC, Grumbach MM, Kaplan SL: Effect of synthetic luteinizing hormone-releasing factor on serum testosterone and gonadotropins in prepubertal, pubertal and adult males.
J Clin Endocrinol Metab 37:680-6, Nov 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *FSH, blood/ HUMAN/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PUBERTY/ *TESTOSTERONE, blood
3104. Roth LM, Sternberg WH: Ovarian stromal tumors containing Leydig cells. II. Pure Leydig cell tumor, non-hilar type. *Cancer* 32:952-60, Oct 73
FEMALE/ HUMAN/ *LEYDIG CELL TUMOR, pathology/ MENOPAUSE/ MIDDLE AGE/ *OVARIAN NEOPLASMS, pathology/ *OVARY, pathology/ VIRILISM, etiology
3105. Rotbnie NG, Brodribb AJ: Letter: Pulmonary embolism in a man taking an oral contraceptive.
Lancet 2:799, 6 Oct 73
*CONTRACEPTIVES, ORAL, adverse effects/ HUMAN/ MALE/ MIDDLE AGE/ *PULMONARY EMBOLISM, chemically induced/ PULMONARY EMBOLISM, diagnosis/ *TRANSVESTISM
3106. Rozkowska E, Fonberg E: Salivary reactions after ventromedial hypothalamic lesions in dogs.
Acta Neurobiol Exp (Warsz) 33:553-62, 1973
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CONDITIONING (PSYCHOLOGY)/ DOGS/ *FEEDING BEHAVIOR/ *HYPOTHALAMUS, physiology/ MALE/ REFLEX/ *SALIVATION
3107. Ruben FL, Winkelstein A, Fotiadis IG, et al: Letter: Rifampicin and immunosuppression.
Lancet 2:978, 27 Oct 73
CARCINOMA, OAT CELL, etiology/ HUMAN/ *IMMUNITY, drug effects/ LUNG NEOPLASMS, etiology/ MALE/ MIDDLE AGE/ *RIFAMPIN, adverse effects/ RIFAMPIN, pharmacodynamics/ RIFAMPIN, therapeutic use/ TUBERCULOSIS, PULMONARY, drug therapy
3108. Rubin A: Sudden death due to genital echinococcus infestation in a Bantu female: case report, discussion and review. *S Afr Med J* 47:2057-9, 3 Nov 73
ANAPHYLAXIS, etiology/ *DEATH, SUDDEN/ DIAGNOSIS, DIFFERENTIAL/ *ECHINOCOCCOSIS/ ECHINOCOCCOSIS, complications/ ECHINOCOCCOSIS, pathology/ ECHINOCOCCOSIS, surgery/ ECHINOCOCCUS/ ECHINOCOCCUS, growth & development/ FEMALE/ *GYNECOLOGIC DISEASES/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, diagnosis/ *PELVIS/ PELVIS, pathology
3109. Rubin D, Levi J: Suppression by vitamins D2 and D3 of hamster cheek pouch carcinoma induced with 9,10-dimethyl-1,2-benzanthracene with a discussion of the role of intracellular calcium in the development of tumors. *Pathol Microbiol (Basel)* 39:446-60, 1973
ADMINISTRATION, TOPICAL/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *BENZANTHRACENES/ BODY WEIGHT, drug effects/ CALCIUM, metabolism/ CARCINOMA, EPIDERMAL, chemically induced/ *CARCINOMA, EPIDERMAL, prevention & control/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY/ CHEEK/ *CHOLECALCIFEROL, therapeutic use/ *ERGOCALCIFEROL, therapeutic use/ HAMSTERS/ MALE/ MODELS, BIOLOGICAL/ MOUTH MUCOSA/ MOUTH NEOPLASMS, chemically induced/ *MOUTH NEOPLASMS, prevention & control/ NEOPLASMS, EXPERIMENTAL/ PROTEIN BINDING/ SPECTROPHOTOMETRY
3110. Rubinjoni T, Zivković R, Cvorišec B, et al: Prikaz teške metaboličke acidoze.
Lijec Vjesn 95:394-9, Jul 73 (Cro)
ACID-BASE EQUILIBRIUM/ *ACIDOSIS, chemically induced/ ADULT/ ALCOHOL, METHYL, poisoning/ DIABETES INSIPIDUS, complications/ ENGLISH ABSTRACT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE
3111. Rubinjoni Z, Skrabalo Z: Über die Behandlung der euthyreoten Struma mit synthetischen Schilddrüsenhormonen.
Med Welt 24:1225-7, 10 Aug 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ *GOITER, drug therapy/ GOITER, NODULAR, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ THYROID, adverse effects/ *THYROID, therapeutic use
3112. Ruckhäberle KE, Bilek K, Ruckhäberle B: Histochemische Befunde an Trophoblasttumoren Zentralbl Gynaekol 95:897-903, 6 Jul 73 (Ger)
CHORIOCARCINOMA, pathology/ FEMALE/ GLYCOCEN, analysis/ HUMAN/ HYDATIDIFORM MOLE, pathology/ MUCIN, analysis/ MUCOPOLYSACCHARIDES, analysis/ NEOPLASM PROTEINS, analysis/ PREGNANCY/ RNA, NEOPLASM, analysis/ *TROPHOBLASTIC TUMOR, pathology
3113. Rudakova TI, Babinina VF: O villani prednizolona n obrazovanje gemopoēticheskikh kolonii v seizenk myshei posle subletal'nogo oblučenija.
Patol Fiziol Eksp Ter 17:37-40, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ CYTOLOGICAL TECHNIQS/ ENGLISH ABSTRACT/ *HEMATOPOIETIC STEM CELLS, drug effects/ HEMATOPOIETIC STEM CELLS radiation effects/ MICE/ MICE, INBRED C57BL/ *PREDNISOLONE, pharmacodynamics/ *RADIATION EFFECTS/ *SPLEEN, radiation effects
3114. Rudali G, Bournaud F, Coezy E: Sur l'action cancérogène possible des contraceptifs.
Maroc Med 52:558-61, Oct 72 (20 ref.) (Fre)
ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MICE/ PROGESTERONE, adverse effects/ REVIEW
3115. Rudd BT, Holder G: Physical and chemical factor influencing the reliability of the assay of androgens by competitive protein binding.
Clin Chim Acta 47:261-8, 30 Aug 73
*ANDROGENS, blood/ ANDROSTENEDIONE, blood/ ANDROSTENEDIONE, urine/ ANDROSTENES, blood/ ANDROSTENES, urine/ ANDROSTENOLS, blood/ ANDROSTENOLS, urine/ BINDING, COMPETITIVE/ CATTLE/ CHARCOAL/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, blood/ DEHYDROEPIANDROSTERONE, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ METHODS/ PREGNANCY/ RECEPTORS, HORMONE/ SERUM ALBUMIN,

AUTHOR SECTION

- BOVINE/ *TESTOSTERONE, blood/
TESTOSTERONE, urine/ TRITIUM
3116. Rudorff KH, Herrmann J, Kruskemper HL: Zur Methodik der Bestimmung der ETR (Effective Thyroxine Ratio). Z Klin Chem Klin Biochem 11:259-62, Jun 73 (Ger) ACUTE DISEASE/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ FEMALE/ HEPATITIS, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE RADIOISOTOPES/ METHODS/ PREGNANCY/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TIME FACTORS
3117. Ruebel AA: Adrenal hemangioma. Urology 2:289-91, Sep 73 ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, radiography/ *ADRENAL GLAND NEOPLASMS, surgery/ AGED/ CYSTOSCOPY/ HEMANGIOMA, pathology/ HEMANGIOMA, radiography/ *HEMANGIOMA, surgery/ HUMAN/ MALE/ TOMOGRAPHY, RADIOGRAPHIC/ UROGRAPHY
3118. Ruegamer WR, Mueller JF: Growth responses in thyroidectomized, hypophysectomized and alloxan diabetic rats infected with plerocercoids of the tapeworm, Spirometra mansonioides. J Nutr 103:1496-501, Oct 73 *ALLOXAN DIABETES, physiology/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BODY WEIGHT/ BODY WEIGHT, drug effects/ CESTODA, analysis/ *CESTODE INFECTIONS, physiology/ DIETARY CARBOHYDRATES/ DIETARY FATS/ DIGESTION/ GROWTH SUBSTANCES, isolation & purification/ GROWTH SUBSTANCES, pharmacodynamics/ HYPOPHYSECTOMY/ LARVA/ LARVA, analysis/ MALE/ MICROPORE FILTERS/ *PITUITARY GLAND, physiology/ RATS/ *THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics
3119. Rufener C, Mira-Moser F, Escher F: Ultrastructural study of the human anterior pituitary. Preliminary results. Acta Otolaryngol (Stockh) 76:300-4, Oct 73 BIOPSY/ CAPILLARIES/ CELL MEMBRANE/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ GOLGI APPARATUS/ HISTOLOGICAL TECHNIQUES/ HUMAN/ HYPOPHYSECTOMY/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PITUITARY GLAND, cytology/ RIBOSOMES
3120. Rüger K: Experimentelle und klinische Befunde zu neuartigen Augentropfen (Corti-Biclon, Oxy-Biclon und Dexa-Biclon. Med Welt 24:1145-7, 13 Jul 73 (Ger) ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ *DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ *EYE DISEASES, drug therapy/ FEMALE/ HUMAN/ *IMIDAZOLES, therapeutic use/ MALE/ MIDDLE AGE/ *OPHTHALMIC SOLUTIONS/ *OXYTETRACYCLINE, therapeutic use/ *POLYMYXIN, therapeutic use/ RABBITS/ *VASOCONSTRICTOR AGENTS, NASAL, therapeutic use
3121. Ruokonen A: Free and sulphate-conjugated 16-unsaturated C19 sterols in human testis tissue. Biochim Biophys Acta 316:251-5, 23 Aug 73 ADULT/ *ANDROSTENES, analysis/ *ANDROSTENOLS, analysis/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ GEL FILTRATION/ HUMAN/ MALE/ ORGAN WEIGHT/ SILICA/ SPECTRUM ANALYSIS, MASS/ *SULFURIC ACIDS, analysis/ *TESTIS, analysis/ TIME FACTORS
3122. Rupperecht L, Blessing MH: Fibrosarkom der Harnblase nach siebenjähriger Chemotherapie einer Lymphogranulomatose im Kindesalter. Dtsch Med Wochenschr 98:1663-5, 7 Sep 73 (Ger) ADOLESCENCE/ AUTOPSY/ *BLADDER NEOPLASMS, chemically induced/ BLADDER NEOPLASMS, pathology/ *CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ *FIBROSARCOMA, chemically induced/ FIBROSARCOMA, pathology/ HEMATURIA, chemically induced/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ LONG TERM CARE/ MALE/ METHYLPREDNISOLONE, therapeutic use
3123. Russell JE, Termine JD, Avioli LV: Abnormal bone mineral maturation in the chronic uremic state. J Clin Invest 52:2848-52, Nov 73 ANIMAL EXPERIMENTS/ APATITES/ *BONE AND BONES, metabolism/ *BONE DEVELOPMENT/ COLLAGEN, metabolism/ FEMALE/ HYDRAZINES/ METHODS/ MINERALS, analysis/ *MINERALS, metabolism/ NEPHRECTOMY/ RATS/ TIBIA, growth & development/ TIBIA, metabolism/ *UREMIA, metabolism/ X-RAY DIFFRACTION
3124. Rusu O, Iorgulescu M, Declu L, et al: Metode de evaluare a gradului de maturitate la nou-născut. Pediatra (Bucur) 22:207-20, May-Jun 73 (Rum) AGE DETERMINATION BY SKELETON/ BONE AND BONES, radiography/ BONE DEVELOPMENT/ ENGLISH ABSTRACT/ FEMUR/ *FETUS, growth & development/ *GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE/ NERVOUS SYSTEM, physiology/ POSTURE/ REFLEX/ TIBIA
3125. Rutenburg AM, Polgar P, Bell M, et al: Adenosine 3',5'-monophosphate metabolism in the liver in experimental hemorrhagic shock. Surgery 74:660-5, Nov 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, analysis/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ DISEASE MODELS, ANIMAL/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ LIVER, analysis/ LIVER, enzymology/ *LIVER, metabolism/ LIVER, pathology/ RABBITS/ *SHOCK, HEMORRHAGIC, metabolism/ SODIUM, pharmacodynamics
3126. Růžicka JA, Mrklas L, Rokytová K: Influence of water intake on the degree of incisor fluorosis and on the incorporation of fluoride into bones and incisor teeth of mice. Caries Res 7:166-72, 1973 ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *BONE DEVELOPMENT, drug effects/ DENTAL CARIES, prevention & control/ FLUORIDATION/ FLUORIDES, analysis/ *FLUORIDES, metabolism/ *FLUORIDES, pharmacodynamics/ INCISOR, metabolism/ MICE/ *MOTTLED ENAMEL, chemically induced/ *ODONTOGENESIS, drug effects/ SODIUM, metabolism/ TIBIA, drug effects
3127. Rygvold O, Fauchald P: Arteritis temporalis. Tidsskr Nor Lægeforen 93:690-2, 10 Apr 73 (Nor) AGED/ BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ TEMPORAL ARTERITIS, blood/ TEMPORAL ARTERITIS, drug therapy/ *TEMPORAL ARTERITIS, pathology
3128. Ryhage R: Integrated gas chromatography-mass spectrometry. Q Rev Biophys 6:311-35, Aug 73 (31 ref.) BUTTER/ CAPILLARITY/ *CHROMATOGRAPHY, GAS, instrumentation/ COMPARATIVE STUDY/ COMPUTERS, DIGITAL/ FATTY ACIDS, analysis/ FECES, analysis/ GLASS/ HELIUM/ HUMAN/

AUTHOR SECTION

- INFANT/ MATHEMATICS/ MOLECULAR
WEIGHT/ PROTAGLANDINS, analysis/
REVIEW/ *SPECTRUM ANALYSIS, MASS,
Instrumentation/ STEROIDS, analysis/
TEMPERATURE/ TIME FACTORS
3129. Ryniewicz B, Wilmonska-Pietruszyńska: Niektóre
problemy związane z rozpoznawaniem zespołu
Dubovitzza.
Pediatr Pol 48:1005-10, Aug 73 (Pol)
CHILD/ DIAGNOSIS, DIFFERENTIAL/
*DWARFISM, diagnosis/ ENGLISH
ABSTRACT/ *FACIAL BONES, abnormalities/
FACIAL EXPRESSION/ HUMAN/ INFANT/
MALE
3130. Rysánek K, König J, Spánková H, et al: Effect of
tricyclic antidepressants on phosphodiesterase.
Correlation between aggregability and thrombocyte
metabolism. Act Nerv Super (Praha) 15:126-7, May 73
*ANTIDEPRESSIVE AGENTS,
pharmacodynamics/ *BLOOD PLATELETS,
metabolism/ CHLORPROMAZINE,
pharmacodynamics/ DIBENZOTHIEPINS,
pharmacodynamics/ IMIPRAMINE,
pharmacodynamics/ NORTRIPTYLINE,
pharmacodynamics/ *PHOSPHODIESTERASES,
metabolism/ PLATELET ADHESIVENESS, drug
effects/ SEROTONIN, metabolism
3131. Ryvarden G: Tod post partum unter dem allgemeinen
klinischen Erscheinungsbild der
Verbrauchskoagulopathie (Eclampsia sine eclampsia).
Z Rechtsmed 72:174-9, 24 May 73 (Ger)
ADOLESCENCE/ ADRENAL GLANDS,
pathology/ AUTOPSY/ BONE MARROW,
pathology/ BRAIN, pathology/ CEREBELLUM,
pathology/ *DISSEMINATED INTRAVASCULAR
COAGULATION/ DISSEMINATED
INTRAVASCULAR COAGULATION, pathology/
*ECLAMPSIA/ ECLAMPSIA, pathology/
ENGLISH ABSTRACT/ FEMALE/
HEMORRHAGE, POSTPARTUM, etiology/
HUMAN/ KIDNEY, pathology/ LIVER,
pathology/ NECROSIS/ PITUITARY GLAND,
pathology/ PREGNANCY/ PREGNANCY
COMPLICATIONS, CARDIOVASCULAR/
*PREGNANCY COMPLICATIONS,
HEMATOLOGIC/ *PUERPERAL DISORDERS
- S
3132. Sabanaygam F, Lee JM, Zarins CK, et al: A correlation
of radiographic, functional, and morphologic changes
in baboon lung allografts. A comparison of two
immunosuppressive regimens.
J Thorac Cardiovasc Surg 66:573-80, Oct 73
ANIMAL EXPERIMENTS/ AZATHIOPRINE,
administration & dosage/ BABOONS/
COMPARATIVE STUDY/ CONSTRICTION/
GRAFT REJECTION/ HEPARIN, administration
& dosage/ *IMMUNOSUPPRESSIVE AGENTS,
administration & dosage/
IMMUNOSUPPRESSIVE AGENTS, therapeutic
use/ INJECTIONS, INTRAVENOUS/ LUNG,
pathology/ LUNG, physiology/ LUNG,
radiography/ *LUNG, transplantation/
METHYLPREDNISOLONE, administration &
dosage/ MICROSPHERES/ MONKEYS/
PERFUSION/ PNEUMONIA, pathology/
PULMONARY ARTERY/ PULMONARY
CIRCULATION/ TECHNETIUM/
TRANSPLANTATION, HOMOLOGOUS/
VENTILATION-PERFUSION RATIO
3133. Sachar EJ, Frantz AG, Altman N, et al: Growth
hormone and prolactin in unipolar and bipolar
depressed patients: responses to hypoglycemia and
L-dopa. Am J Psychiatry 130:1362-7, Dec 73
AGE FACTORS/ AGED/ BLOOD SUGAR,
analysis/ CATECHOLAMINES, physiology/
*DEPRESSION, metabolism/ DOPA,
administration & dosage/ *DOPA,
pharmacodynamics/ DOPAMINE, physiology/
FEMALE/ HUMAN/ *HYPOGLYCEMIA,
chemically induced/ *INSULIN,
pharmacodynamics/ MENOPAUSE/ MIDDLE
AGE/ NEURAL TRANSMISSION, drug effects/
NOREPINEPHRINE, physiology/ *PROLACTIN,
physiology/ *PSYCHOSES,
- MANIC-DEPRESSIVE, metabolism/ SEX
FACTORS/ *SOMATOTROPIN, physiology/
STRESS, PSYCHOLOGICAL
3134. Sack H: Die Behandlung des Prostatakarzinoms aus
strahlenklinischer Sicht.
Roentgenblätter 26:427-30, Oct 73 (Ger)
AGED/ COBALT RADIOISOTOPES, therapeutic
use/ COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ ESTROGENS, therapeutic use/
HUMAN/ MALE/ MIDDLE AGE/ PALLIATIVE
TREATMENT/ PROSTATECTOMY/
PROSTATIC NEOPLASMS, drug therapy/
*PROSTATIC NEOPLASMS, radiotherapy/
PROSTATIC NEOPLASMS, surgery/
RADIOISOTOPE THERAPY/
RADIOTHERAPY DOSAGE
3135. Sack K, Frelesieben H, Wöhrmann W, et al:
Experimenteller Beitrag zum Auslösungsmodus der
Kolpyelonephritis.
Urol Int 28:178-83, 1973 (Ger)
ANIMAL EXPERIMENTS/ DISEASE MODELS,
ANIMAL/ ENGLISH ABSTRACT/
ESCHERICHIA COLI, isolation & purification/
*ESCHERICHIA COLI INFECTIONS,
complications/ ESTROGENS,
pharmacodynamics/ FEMALE/
PREDNISOLONE, pharmacodynamics/
PROGESTERONE, pharmacodynamics/
*PYELONEPHRITIS, etiology/ RATS
3136. Sadoughi N, Lo MC, Guinan P, et al: Bilateral germ-cell
tumors of testes. Urology 2:452-3, 4 Oct 73
ADOLESCENCE/ BLEOMYCIN,
therapeutic use/ CASE REPORT/
DACTINOMYCIN, therapeutic use/ HUMAN/
LYMPH NODE EXCISION/ LYMPHATIC
METASTASIS/ MALE/ NEOPLASM
METASTASIS/ TERATOID TUMOR, drug
therapy/ *TERATOID TUMOR, pathology/
TERATOID TUMOR, surgery/ TESTICULAR
NEOPLASMS, drug therapy/ *TESTICULAR
NEOPLASMS, pathology/ TESTICULAR
NEOPLASMS, surgery/ VINCRISTINE,
therapeutic use
3137. Saegesser M: Das maligne Schilddrüsenpapillom.
Praxis 62:1048-52, 21 Aug 73 (Ger)
ADULT/ ENGLISH ABSTRACT/ HUMAN/
LYMPH NODE EXCISION/ *PAPILLOMA,
surgery/ *THYROID NEOPLASMS, surgery
3138. Saegesser M: Die Behandlung der Hyperthyreose in
chirurgischer Sicht.
Ther Umsch 30:712-6, Oct 73 (Ger)
ENGLISH ABSTRACT/ GOITER,
EXOPHTHALMIC, radiotherapy/ *GOITER,
EXOPHTHALMIC, surgery/ HUMAN/ IODINE
RADIOISOTOPES, therapeutic use
3139. Saenger F, Sharies DD, New MI: Influence of
medroxyprogesteroneacetate on testosterone
metabolism by cultured human fibroblasts: a mode
for drug-steroid interaction.
J Clin Endocrinol Metab 37:760-4, Nov 73
ANDROSTANES, metabolism/ CARBON
RADIOISOTOPES/ CELLS, CULTURED/
CHILD/ DNA, metabolism/ DRUG
INTERACTIONS/ FEMALE/ FIBROBLASTS,
drug effects/ FIBROBLASTS, metabolism/
HUMAN/ HYDROXYSTEROID
DEHYDROGENASES, antagonists & inhibitors/
IN VITRO/ MALE/
*MEDROXYPROGESTERONE,
pharmacodynamics/ SKIN, cytology/
STANOLONE, metabolism/ *TESTOSTERONE,
metabolism/ TRITIUM
3140. Saffran J, Loeser BK, Haas BM, et al: Binding of
progesterone by rat uterus in vitro.
Biochem Biophys Res Commun 53:202-9, 2 Jul 73
ANIMAL EXPERIMENTS/ BENZOATES,
pharmacodynamics/ CORTICOSTERONE,
pharmacodynamics/
DESOXYCORTICOSTERONE,
pharmacodynamics/ ESTRADIOL,
pharmacodynamics/ FEMALE/ IN VITRO/
KINETICS/ MUSCLES, metabolism/
PREGNANES, pharmacodynamics/

AUTHOR SECTION

- PROGESTATIONAL HORMONES,
pharmacodynamics/ *PROGESTERONE,
metabolism/ RATS/ RECEPTORS, HORMONE/
RECEPTORS, HORMONE, drug effects/
STIMULATION, CHEMICAL/ TESTOSTERONE,
pharmacodynamics/ TRITIUM/ UTERUS, drug
effects/ *UTERUS, metabolism
41. Safirstein BH, D'Souza MF, Simon G, et al: Five-year follow-up of allergic bronchopulmonary aspergillosis. *Am Rev Respir Dis* 108:450-9, Sep 73
ADULT/ AGED/ AIRWAY OBSTRUCTION,
etiology/ ASPERGILLOSIS, complications/
*ASPERGILLOSIS, drug therapy/
ASPERGILLOSIS, physiopathology/
BRONCHITIS, complications/ *BRONCHITIS,
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CHRONIC DISEASE/ COMPARATIVE STUDY/
*DISODIUM CROMOGLYCAT, therapeutic use/ EOSINOPHILIA, etiology/
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LUNG DISEASES, FUNGAL, complications/
*LUNG DISEASES, FUNGAL, drug therapy/
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TREATMENT/ *PREDNISONE,
therapeutic use/ RESPIRATORY FUNCTION
TESTS/ RESPIRATORY HYPERSENSITIVITY,
complications/ *RESPIRATORY
HYPERSENSITIVITY, drug therapy/
RESPIRATORY HYPERSENSITIVITY,
physiopathology/ RETROSPECTIVE STUDIES
42. Sagel J, Colwell JA, Loadholt CB, et al: Circadian rhythm in the urinary excretion of cyclic 3',5'-adenosine monophosphate in man. *J Clin Endocrinol Metab* 37:570-3, Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, urine/ ADULT/
*CIRCADIAN RHYTHM/ CREATININE, urine/
FEMALE/ HUMAN/ MALE/ PHOSPHATES,
metabolism
43. Sagel J, Colwell JA: Shock during oral glucose tolerance testing. *JAMA* 226:667-8, 5 Nov 73
ADENOMA, EOSINOPHILIC, surgery/
ADMINISTRATION, ORAL/ DUMPING
SYNDROME, complications/ DUMPING
SYNDROME, etiology/ EXUDATES AND
TRANSUDATES/ GLUCOSE, administration &
dosage/ GLUCOSE, adverse effects/
*GLUCOSE TOLERANCE TEST, adverse
effects/ HUMAN/ HYPERTONIC SOLUTIONS/
HYPOPITUITARISM, diagnosis/
HYPOTENSION, diagnosis/ JEJUNUM, drug
effects/ MALE/ MIDDLE AGE/ PITUITARY
NEOPLASMS, surgery/ *SHOCK, etiology/
TIME FACTORS/ VISION DISORDERS,
diagnosis
44. Said SI: The lung in relation to vasoactive hormones. *Fed Proc* 32:1972-6, Sep 73 (53 ref.)
ADENINE NUCLEOTIDES, metabolism/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ANGIOTENSIN, metabolism/
ANIMAL EXPERIMENTS/ *BIOGENIC
AMINES, metabolism/ BRADYKININ,
metabolism/ CATS/ DOGS/ ELEDIOISIN,
metabolism/ EPINEPHRINE, metabolism/
GUINEA PIGS/ HISTAMINE, metabolism/
HUMAN/ KALLIKREIN, metabolism/
KININOGENS, metabolism/ KININS,
metabolism/ *LUNG, metabolism/ LUNG,
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OXYTOCIN, metabolism/ *PEPTIDES,
metabolism/ *PROSTAGLANDINS, metabolism/
RABBITS/ RATS/ REVIEW/ SEROTONIN,
metabolism/ SRS-A, metabolism/ VASOMOTOR
SYSTEM, physiology/ VASOPRESSIN,
metabolism
- metabolism/ LEYDIG CELLS, enzymology/
LIPOAMIDE DEHYDROGENASE, metabolism/
MALE/ NAD/ NADP/ *RANA/ SEASONS/
SERTOLI CELLS, enzymology/ *TESTIS,
enzymology
3146. Saiduddin S, Bray GA, York DA, et al: Reproductive function in the genetically obese "fatty" rat. *Endocrinology* 93:1251-6, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/
DECIDUA, drug effects/ ESTRUS/
FEEDBACK/ FEMALE/ FSH, blood/
HYPOTHALAMO-HYPOPHYSAL SYSTEM,
physiopathology/ LH, blood/ *OBESITY,
physiopathology/ ORGAN WEIGHT/ OVARY,
physiology/ PHYSICAL STIMULATION/
PSEUDOPREGNANCY/ RADIOIMMUNOASSAY/
RATS/ *REPRODUCTION/ RESERPINE,
pharmacodynamics/ UTERUS, anatomy &
histology/ VAGINA, physiopathology
3147. Saigal RK, Khanna SD: Carcinoma of the thyroid in a stillborn male child. *Indian J Pediatr* 40:224-6, Jun 73
*ADENOCARCINOMA, pathology/ AUTOPSY/
CASE REPORT/ *FETAL DEATH, pathology/
HUMAN/ INFANT, NEWBORN/ MALE/
THYROID GLAND, pathology/ *THYROID
NEOPLASMS, pathology
3148. Saikam MR, Li CH: Human pituitary thyrotropin: primary structure of the hormone specific beta subunit. *Biochem Biophys Res Commun* 54:426-31, 5 Sep 73
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ ASPARAGINE/ AUTOANALYSIS/
CHROMATOGRAPHY, PAPER/
CHYMOTRYPSIN/ DANSYL COMPOUNDS/
ELECTROPHORESIS, PAPER/ GEL
FILTRATION/ HUMAN/ OLIGOSACCHARIDES,
analysis/ OXIDATION-REDUCTION/
*PEPTIDES, analysis/ *PITUITARY GLAND,
analysis/ *THYROTROPIN, analysis/ TRYPSIN
3149. Saito M, Takahashi S: Changes of embryonic wastage during pregnancy in rats fed low and high energy diets. *J Nutr* 103:1652-7, Dec 73
ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ BODY WEIGHT/ CORPUS
LUTEUM/ *DEFICIENCY DISEASES,
complications/ EMBRYO/ FEMALE/ *FETAL
DEATH, etiology/ FETUS, anatomy &
histology/ FETUS, growth & development/
GESTATIONAL AGE/ NIDATION/ ORGAN
WEIGHT/ PLACENTA, anatomy & histology/
PLACENTA DISORDERS/ PREGNANCY/
*PREGNANCY COMPLICATIONS/ RATS/
REPRODUCTION
3150. Saito T, Essig A: Effect of aldosterone on active and passive conductance and ENA in the toad bladder. *J Membr Biol* 13:1-18, 30 Aug 73
*ALDOSTERONE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT,
ACTIVE/ BLADDER, drug effects/ BLADDER,
metabolism/ *BLADDER, physiology/ BUFO
MARINUS/ CHLORIDES, metabolism/
CHLORINE/ ELECTRIC CONDUCTIVITY/
FEMALE/ MATHEMATICS/ MEMBRANE
POTENTIALS/ PERMEABILITY/
RADIOISOTOPES/ *SODIUM, metabolism/
SODIUM ISOTOPES/ TIME FACTORS
3151. Sakagami M, Shiotani Y, Fujimoto K, et al: Ultrastructural changes of rabbit pancreatic D cells induced by electrical stimulation of the hypothalamus. *Med J Osaka Univ* 23:101-10, Dec 72
ANIMAL EXPERIMENTS/ ELECTRIC
STIMULATION/ *HYPOTHALAMUS,
physiology/ MALE/ MICROSCOPY,
ELECTRON/ *PANCREAS, cytology/ RABBITS
3152. Sakamoto N, Hotta A: [Endocrine equilibrium in acromegaly] *Jap J Clin Med* 31:2266-71, Jul 73 (Jap)
ACROMEGALY, complications/ ACROMEGALY,
drug therapy/ *ACROMEGALY, metabolism/
ADOLESCENCE/ DIABETES MELLITUS,
complications/ DIABETES MELLITUS, drug
therapy/ FEMALE/ HUMAN/ *INSULIN,
secretion/ INSULIN, therapeutic use/
*SOMATOTROPIN, secretion
45. Saidapur SK, Nadkarni VB: Histochemical localization of delta 5-3 beta-hydroxysteroid dehydrogenase and glucose-6-phosphate dehydrogenase in the testis of Indian skipper frog *Rana cyanophylla* (Schneider). *Gen Comp Endocrinol* 21:225-30, Oct 73
ANIMAL EXPERIMENTS/ FROGS/
*GLUCOSEPHOSPHATE DEHYDROGENASE,
metabolism/ HISTOCYTOCHEMISTRY/
*HYDROXYSTEROID DEHYDROGENASES,

AUTHOR SECTION

3153. Sakamoto S, Goldhaber P, Glimcher MJ: Mouse bone collagenase. The effect of heparin on the amount of enzyme released in tissue culture and on the activity of the enzyme. *Calcif Tissue Res* 12:247-58, 1973
ANIMAL EXPERIMENTS/ *BONE AND BONES, enzymology/ *CLOSTRIDIOPEPTIDASE A, metabolism/ COLLAGEN, metabolism/ DEXTRAN, pharmacodynamics/ *HEPARIN, pharmacodynamics/ MICE, enzymology/ POLYSACCHARIDES, pharmacodynamics/ TISSUE CULTURE
3154. Sakamoto S, Sakamoto M, Goldhaber P, et al: Isolation of tissue collagenase from homogenates of embryonic chick bones. *Biochem Biophys Res Commun* 53:1102-8, 21 Aug 73
ANIMAL EXPERIMENTS/ *BONE AND BONES, enzymology/ BUFFERS/ CHICK EMBRYO/ CLOSTRIDIOPEPTIDASE A, antagonists & inhibitors/ *CLOSTRIDIOPEPTIDASE A, isolation & purification/ CYSTEINE, pharmacodynamics/ DIALYSIS/ EDTA, pharmacodynamics/ ELECTROPHORESIS, DISC/ FREEZE DRYING/ HEPARIN, pharmacodynamics/ HORSES/ IMMUNE SERUMS, pharmacodynamics/ SODIUM CHLORIDE/ STIMULATION, CHEMICAL/ VISCOSITY
3155. Sakoda M, Fukuda T, Tamaoka M, et al: [Pituitary TSH releasing capacity in the aged] *Folia Endocrinol Jap* 49:1177-85, 20 Sep 73 (Jap)
ADULT/ AGED/ AGING/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ *PITUITARY GLAND, secretion/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ THYROTROPIN RELEASING HORMONE, administration & dosage/ THYROTROPIN RELEASING HORMONE, pharmacodynamics
3156. Sakuma M, Nakazato F, Kimura M, et al: [Biological fate of thyrotropin-releasing hormone (TRH)] *Folia Endocrinol Jap* 49:1186-97, 20 Sep 73 (Jap)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BILE, analysis/ BONE MARROW, analysis/ ENGLISH ABSTRACT/ FECES, analysis/ FEMALE/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ LYMPH NODES, analysis/ MALE/ MATERNAL-FETAL EXCHANGE/ MICE/ PITUITARY GLAND, analysis/ PREGNANCY/ RATS/ SPLEEN, analysis/ THYROID GLAND, analysis/ THYROTROPIN RELEASING HORMONE, administration & dosage/ THYROTROPIN RELEASING HORMONE, analysis/ *THYROTROPIN RELEASING HORMONE, metabolism/ THYROTROPIN RELEASING HORMONE, urine/ TRITIUM
3157. Sakurada T, Yamaguchi T, Yamamoto M, et al: [Total and free serum thyroxine and triiodothyronine levels and the effect of estrogen in a family with thyroxine-binding globulin deficiency] *Folia Endocrinol Jap* 49:1198-206, 20 Sep 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ BLOOD PROTEIN DISORDERS, blood/ *BLOOD PROTEIN DISORDERS, familial & genetic/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PEDIGREE/ RADIOIMMUNOASSAY/ *SERUM GLOBULINS/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ *THYROXINE-BINDING PROTEIN/ *TRIIODOTHYRONINE, blood
3158. Salabé H, D'Armiento M, Salabé GB, et al: Cyclic AMP and thyroid hormone synthesis. I. Stimulation of the biosynthesis of thyroglobulin-related polypeptides and proteins in bovine thyroid slices. *Horm Res* 4:274-87, 1973
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ CARBON RADIOISOTOPES/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FEMALE/ IN VITRO/ ISOTOPE LABELING/ LEUCINE, metabolism/ PEPTIDES, biosynthesis/ PROTEINS, biosynthesis/ RABBITS, immunology/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ TIME FACTORS/ TRITIUM
3159. Salazkin MA, Balabolkin MI, Tofanika EV: Dinamika soderzhanlia gormona rosta v syvorotke krovi bol'nykh s opukhobkami glipofiza posle operatsii. *Vopr Neirokhir* 37:13-8, May-Jun 73 (Rus)
*ADENOMA, CHROMOPHOBE, blood/ ADENOMA, CHROMOPHOBE, surgery/ *ADENOMA, EOSINOPHILIC, blood/ ADENOMA, EOSINOPHILIC, surgery/ ADULT ENGLISH ABSTRACT/ FEMALE/ MALE/ *PITUITARY NEOPLASMS, blood/ PITUITARY NEOPLASMS, surgery/ *SOMATOTROPIN, blood
3160. Salva JA, Pera C: El valor de la respuesta inflamatoria en la génesis de las adherencias peritoneales. *Rev Esp Enferm Apar Dig* 41:115-30, Aug-Sep 73 (Spa)
*ADHESIONS, etiology/ ADHESIONS, prevention & control/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ *DEXAMETHASONE, therapeutic use/ *INFLAMMATION, complications/ *PERITONEAL DISEASES, etiology/ PERITONEAL DISEASES, prevention & control/ *POSTOPERATIVE COMPLICATIONS, etiology/ POSTOPERATIVE COMPLICATIONS, prevention & control/ RATS/ SUTURES
3161. Salvadorini F, Saba P: Letter: Thyroid function in affective disorders. *Lancet* 2:964, 27 Oct 73
ADULT/ *AFFECTIVE DISTURBANCES, psychopathology/ HUMAN/ MIDDLE AGE/ *THYROID GLAND, psychopathology/ THYROID GLAND FUNCTION TESTS
3162. Salvetti A, Arzilli F, Baccini C: The effect of beta-blocker on plasma renin activity of hypertensive patients. *J Nucl Biol Med* 17:142-50, Jul-Sep 73
ADOLESCENCE/ *ADRENERGIC BETA RECEPTOR BLOCKERS, pharmacodynamics/ ADULT/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, RENAL, blood/ MALE/ MIDDLE AGE/ *OXPRENOLOL, pharmacodynamics/ POSTURE/ RADIOIMMUNOASSAY/ *RENIN, blood
3163. Salvetti A, Arzilli P, Russo R: Sull'azione antidiuretica dell'angiotensina II e del furosemide in un caso di diabete insipido renale. *Minerva Pediatr* 25:1198-201, 14 Aug 73 (Ital)
*ANGIOTENSIN II, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ *DIURESIS, drug effects/ *FUROSEMIDE, therapeutic use/ HUMAN/ WATER-ELECTROLYTE BALANCE
3164. Salyer WR, Moravec CL, Salyer DC, et al: Adrenal involvement in cryptococcosis. *Am J Clin Pathol* 60:559-61, Oct 73
*ADRENAL GLAND DISEASES/ ADRENAL GLANDS, pathology/ ADULT/ AMPHOTERICIN B, therapeutic use/ AUTOPSY/ *CRYPTOCOCCOSIS/ CRYPTOCOCCOSIS, drug therapy/ CRYPTOCOCCOSIS, microbiology/ CRYPTOCOCCOSIS, pathology/ CRYPTOCOCCUS NEOFORMANS, isolation & purification/ HUMAN/ MALE/ PREDNISONE, therapeutic use
3165. Sample RG: Pharmacology of contraceptive agents--new compounds with new problems? *Am J Pharm* 145:142-5, Jul-Aug 73
CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ HUMAN/ OVULATION, drug effects
3166. Sampson D, Kirdani RY, Sandberg AA, et al: The aetiology of hypertension after renal transplantation in man. *Br J Surg* 60:819-24, Oct 73
ADRENALECTOMY/ ALDOSTERONE,

AUTHOR SECTION

- secretion/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ CARBON
RADIOISOTOPES/ CORTISONE, metabolism/
HUMAN/ HYPERTENSION, RENAL, chemically
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RATS/ RENIN, blood/ SECRETORY RATE/
SPIRONOLACTONE, therapeutic use/
TRANSPLANTATION, HOMOLOGOUS
167. Sanchez-Franco F, Garcia MD, Cacicedo L, et al:
Influence of sex phase of the menstrual cycle on
thyrotropin (TSH) response to thyrotropin-releasing
hormone (TRH).
J Clin Endocrinol Metab 37:736-40, Nov 73
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/
LH, blood/ MALE/ *MENSTRUATION/
PROTEIN-BOUND IODINE TEST/ SEX
FACTORS/ *THYROTROPIN, blood/
*THYROTROPIN RELEASING HORMONE,
pharmacodynamics/ TIME FACTORS
168. Sand G, Verhaegen M: Subcellular distribution of cyclic
AMP-dependent protein phosphotransferases in
horse thyroid gland.
Arch Int Physiol Biochim 80:984-5, Dec 72
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
CELL FRACTIONATION/ CELL NUCLEUS,
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PHOSPHORUS RADIOISOTOPES/ PROTEIN
KINASE, antagonists & inhibitors/ *PROTEIN
KINASE, metabolism/ SURFACE-ACTIVE
AGENTS/ *THYROID GLAND, enzymology
169. Sandberg AA, Kirdani RY, Varkarakis MJ, et al:
Estrogen receptor protein of pancreas.
Steroids 22:259-71, Aug 73
ANIMAL EXPERIMENTS/ BABOONS/
BINDING SITES/ CENTRIFUGATION,
DENSITY GRADIENT/ CHROMATOGRAPHY,
PAPER/ CHYMOTRYPSIN/ CYTOSOL, drug
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metabolism/ PROTEIN BINDING/ *PROTEINS,
metabolism/ *RECEPTORS, HORMONE/
SPECIES SPECIFICITY/ TEMPERATURE/
TIME FACTORS/ TRITIUM
3170. Sandegren FE, Chu EW, Vandever JE: Maternal
behavior in the California sea otter.
J Mammal 54:668-79, Aug 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ CALIFORNIA/ *CARNIVORA,
physiology/ FEMALE/ GROOMING/ LABOR/
LACTATION/ *MATERNAL BEHAVIOR/
PREGNANCY
3171. Sanders S, Norman AP: Chorionic gonadotrophin in
male growth-retarded adolescent asthmatic patients.
Practitioner 210:690-2, May 73
ADOLESCENCE/ ASTHMA, complications/
*ASTHMA, drug therapy/ BODY HEIGHT,
drug effects/ CHILD/ CLINICAL RESEARCH/
*GONADOTROPINS, CHORIONIC, therapeutic
use/ *GROWTH DISORDERS, drug therapy/
GROWTH DISORDERS, etiology/ HUMAN/
MALE/ PUBERTY, drug effects
3172. Sandman CA, Alexander WD, Kastin AJ:
Neuroendocrine influences on visual discrimination
and reversal learning in the albino and hooded rat.
Physiol Behav 11:613-7, Nov 73
ATTENTION, drug effects/ AVOIDANCE
LEARNING, drug effects/ *BEHAVIOR,
ANIMAL, drug effects/ *DISCRIMINATION
LEARNING, drug effects/ ELECTROSHOCK/
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pharmacodynamics/ *OLIGOPEPTIDES,
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*PITUITARY HORMONE RELEASING
HORMONES, antagonists & inhibitors/
*REVERSAL LEARNING, drug effects/
*SPECIES SPECIFICITY/ VISUAL
PERCEPTION, drug effects
3173. Sangalang GB, O'Halloran MJ: Adverse effects of
cadmium on brook trout testis and on in vitro
testicular androgen synthesis.
Biol Reprod 9:394-403, Nov 73
*ANDROGENS, biosynthesis/ ANIMAL
EXPERIMENTS/ AUTORADIOGRAPHY/
*CADMIUM, adverse effects/ CARBON
RADIOISOTOPES/ IN VITRO/ MALE/
PREGNENOLONE, pharmacodynamics/
SALMONIDAE/ *TESTIS, drug effects/
TESTIS, pathology/ TESTOSTERONE,
biosynthesis
3174. Sanghvi A, Wight C, Parikh B, et al: Urinary
17-hydroxycorticosteroid determination with
p-hydrazinobenzenesulfonic acid-phosphoric acid.
Am J Clin Pathol 60:684-90, Nov 73
*BENZENESULFONATES, diagnostic use/
HUMAN/ *HYDRAZINES, diagnostic use/
HYDROCORTISONE, urine/ HYDROGEN-ION
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*17-HYDROXYCORTICOSTEROIDS, urine/
METHODS/ *PHOSPHORIC ACIDS, diagnostic
use/ SPECTROPHOTOMETRY/
TETRAHYDROCORTISOL, urine/
TETRAHYDROCORTISONE, urine
3175. Sankaran NS, Prasad MR: The effect of cis- and
trans-clomiphene citrate on sialic acid in the uterus,
cervix and vagina of rats during delayed implantation.
J Reprod Fertil 35:203-10, Nov 73
ANIMAL EXPERIMENTS/ *CERVIX UTERI,
drug effects/ *CLOMIPHENE,
pharmacodynamics/ DRUG INTERACTIONS/
ESTRADIOL, pharmacodynamics/ FEMALE/
*NEURAMINIC ACIDS, analysis/ NIDATION/
PREGNANCY/ RATS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TIME FACTORS/ *UTERUS,
drug effects/ *VAGINA, drug effects
3176. Santos AA, Hermier C, Netter A: Etude in vitro de la
synthese de la progesterone dans le corps jaune
cyclique humain: role de la prostaglandine F2 alpha.
FEBS Lett 34:179-84, 15 Aug 73 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ASPIRIN, pharmacodynamics/
CARBON RADIOISOTOPES/ COMPARATIVE
STUDY/ CORPUS LUTEUM, drug effects/
*CORPUS LUTEUM, metabolism/ DRUG
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FEMALE/ GONADOTROPINS, CHORIONIC,
pharmacodynamics/ HUMAN/ IMIDAZOLES,
pharmacodynamics/ LH, pharmacodynamics/
PREGNANCY/ *PROGESTERONE, biosynthesis/
*PROSTAGLANDINS, pharmacodynamics/
RECEPTORS, HORMONE/ THEOPHYLLINE,
pharmacodynamics
3177. Sanyal MK, Sibre ER, Greep RO: Breakdown of
germinal vesicle of frog oocytes with 5alpha-reduced
products of progesterone in vitro.
Proc Soc Exp Biol Med 144:483-6, Nov 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, THIN
LAYER/ FEMALE/ FROGS/
HYDROXYSTEROIDS, biosynthesis/
HYDROXYSTEROIDS, pharmacodynamics/ IN
VITRO/ KETOSTEROIDS, biosynthesis/
KETOSTEROIDS, pharmacodynamics/ OVUM,
cytology/ *OVUM, drug effects/
PREGNANEDIONES, biosynthesis/
PREGNANEDIONES, pharmacodynamics/
PREGNANES, biosynthesis/ PREGNANES,
pharmacodynamics/ PROGESTERONE,
metabolism/ *PROGESTERONE,
pharmacodynamics/ RANA PIPIENS
3178. Sapeika N: Food additives.

AUTHOR SECTION

- World Rev Nutr Diet 16:334-62, 1973 (121 ref.)
ANIMAL FEED/ ANTIBIOTICS/
ANTIOXIDANTS/ BREAD/ CYCLAMATES/
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ADDITIVES/ FOOD IRRADIATION/ FOOD
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NITRATES/ NITRITES/ REVIEW/
SACCHARIN/ SODIUM CHLORIDE/
SORBITOL/ SUCROSE/ SWEETENING
AGENTS/ VITAMINS
3179. Sapoznikov D, Ellakim M, Weinman J: Effect of preceding cycle length on left ventricular prejection period in a patient with thyrotoxicosis and atrial fibrillation. Study by a noninvasive photoplethysmographic technique. *Isr J Med Sci* 9:1003-8, Aug 73
*AURICULAR FIBRILLATION, physiotherapy/ BLOOD FLOW VELOCITY/ CARDIAC OUTPUT/ ELECTROCARDIOGRAPHY/ *HEART, physiotherapy/ HEART VENTRICLE, physiotherapy/ *HYPERTHYROIDISM, physiotherapy/ METHODS/ *PLETHYSMOGRAPHY/ PULSE/ TIME FACTORS/ TRANSDUCERS
3180. Sar M, Stumpf WE: Neurons of the hypothalamus concentrate (3H)progesterone or its metabolites. *Science* 182:1266-8, 21 Dec 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ ESTRADIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HYDROCORTISONE, pharmacodynamics/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, metabolism/ *NEURONS, metabolism/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ TRITIUM
3181. Sarafoleanu D: Tratamentul afecțiunilor tubare. *Otorinolaringologie* 18:339-52, Sep-Oct 73 (Rum)
AEROSOLS/ ANTIBIOTICS, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ CHYMOTRYPSIN, therapeutic use/ DRAINAGE/ EAR DISEASES, radiotherapy/ EAR DISEASES, surgery/ *EAR DISEASES, therapy/ ENGLISH ABSTRACT/ *EUSTACHIAN TUBE/ HUMAN/ HYDROCORTISONE, therapeutic use/ MASSAGE/ PHYSICAL THERAPY
3182. Sarantakis D, McKinley WA: Total synthesis of hypothalamic "somatostatin". *Biochem Biophys Res Commun* 54:234-8, 5 Sep 73
BIOLOGICAL ASSAY/ CELLS, CULTURED/ CHROMATOGRAPHY, THIN LAYER/ GEL FILTRATION/ HYPOTHALAMUS/ MICROCHEMISTRY/ *OLIGOPEPTIDES, chem synthesis/ OPTICAL ROTATION/ PITUITARY GLAND, secretion/ RATS/ *SOMATOTROPIN RELEASING HORMONE, antagonists & inhibitors
3183. al-Sarraf M, Sardesai S, Valtkevicius VK: Effects of locally applied cortisone acetate on delayed hypersensitivity reactions in cancer patients. *Oncology* 28:97-103, 1973
ADOLESCENCE/ ADULT/ AGED/ CORTISONE, pharmacodynamics/ FEMALE/ HUMAN/ *HYPERSENSITIVITY, DELAYED/ *IMMUNITY, CELLULAR, drug effects/ MALE/ MIDDLE AGE/ MUMPS VIRUS, immunology/ *NEOPLASMS, immunology/ SKIN TESTS/ TUBERCULIN TEST
3184. Sarto GE, Oplitz JM: The XY gonadal agenesis syndrome. *J Oral Surg* 10:288-93, Sep 73
ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ EUNUCHISM, familial & genetic/ FEMALE/ *GENITALIA, abnormalities/ *GONADS, abnormalities/ HUMAN/ MICROSCOPY, FLUORESCENCE/ MITOSIS/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SYNDROME
3185. Sas M, Kincses L, Resch B: Orális anticonceptió során kialakult galactorrhoea. *Orv Hetil* 114:2845-6, 25 Nov 73 (Hun)
ADULT/ CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ *LACTATION DISORDERS, chemically induced/ LACTATION DISORDERS, drug therapy/ *MESTRANOL, adverse effects/ *NORETHYNODREL, adverse effects
3186. Sasa M, Avner BP, Albuquerque EX: Actions of beta-blocking agents on membrane excitability of the lobster giant axon. *Eur J Pharmacol* 23:97-103, Jul 73
ACETANILIDE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *AXONS, drug effects/ AXONS, metabolism/ CALCIUM, metabolism/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KINETICS/ LOBSTERS/ MEMBRANE POTENTIALS, drug effects/ MEMBRANES, drug effects/ PRACTOLOL, pharmacodynamics/ PROCAINE, pharmacodynamics/ PRONETHALOL, pharmacodynamics/ PROPANOLOL, pharmacodynamics
3187. Sasaki M, Fishman WH: Ultrastructural studies on Regan and non-Regan isoenzymes of alkaline phosphatase in human ovarian cancer cells. *Cancer Res* 33:3008-18, Nov 73
*ALKALINE PHOSPHATASE, metabolism/ AMINOCAPROIC ACID/ CELL MEMBRANE, enzymology/ CELL NUCLEUS, enzymology/ ENDOPLASMIC RETICULUM, enzymology/ FEMALE/ GOLGI APPARATUS, enzymology/ GUANIDINES/ HISTOCYTOCHEMISTRY/ HISTOLOGICAL TECHNIQUES/ HUMAN/ *ISOENZYMES, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, enzymology/ *OVARIAN NEOPLASMS, enzymology/ PHENYLALANINE
3188. Sasaki S, Shinkai H, Akashi Y, et al: Studies on the mechanism of action of asiaticoside (Madecassol) on experimental granulation tissue and cultured fibroblasts and its clinical application in systemic scleroderma. *Acta Derm Venereol (Stockh)* 52:141-50, 1972
ADOLESCENCE/ ADULT/ AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ *CARRAGEENAN, pharmacodynamics/ COLLAGEN, metabolism/ CONNECTIVE TISSUE, drug effects/ CYTOPLASMIC GRANULES/ FEMALE/ FIBROBLASTS, drug effects/ *GLYCOSIDES, pharmacodynamics/ GLYCOSIDES, therapeutic use/ *GRANULATION TISSUE, drug effects/ GRANULATION TISSUE, metabolism/ *GRANULOMA, chemically induced/ GUINEA PIGS/ HUMAN/ MIDDLE AGE/ MUCOPOLYSACCHARIDES, metabolism/ NEOPLASMS, EXPERIMENTAL, chemically induced/ PREDNISOLONE, pharmacodynamics/ PROLINE, metabolism/ *SCLERODERMA, SYSTEMIC, drug therapy/ SKIN NEOPLASMS, chemically induced/ *TERPENES, pharmacodynamics/ TERPENES, therapeutic use/ TRITIUM
3189. Sasaki S, Shinkai H, Akashi Y, et al: Studies on the mechanism of action of asiaticoside (Madecassol) on experimental granulation tissue and cultured fibroblasts and its clinical application in systemic scleroderma. *Acta Derm Venereol (Stockh)* 52:141-50, 1972
ADOLESCENCE/ ADULT/ AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ *CARRAGEENAN, pharmacodynamics/ COLLAGEN, metabolism/ CONNECTIVE TISSUE, drug effects/ CYTOPLASMIC GRANULES/ FEMALE/ FIBROBLASTS, drug effects/ *GLYCOSIDES, pharmacodynamics/ GLYCOSIDES, therapeutic use/ *GRANULATION TISSUE, drug effects/ GRANULATION TISSUE, metabolism/ *GRANULOMA, chemically induced/ GUINEA

AUTHOR SECTION

- PIGS/ HUMAN/ METHODS/ MIDDLE AGE/
MUCOPOLYSACCHARIDES, metabolism/
NEOPLASMS, EXPERIMENTAL, chemically
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PROLINE, metabolism/ *SCLERODERMA,
SYSTEMIC, drug therapy/ SKIN NEOPLASMS,
chemically induced/ *TERPENES,
pharmacodynamics/ TERPENES, therapeutic
use/ TRITIUM
190. Satav JG, Rajwade MS, Katyare SS, et al: The
significance of promitochondrial structures in rat
liver for mitochondrial biogenesis.
Biochem J 134:687-95, Jul 73
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CENTRIFUGATION,
DENSITY GRADIENT/ CENTRIFUGATION,
ZONAL/ DENSITOMETRY/ DNA,
MITOCHONDRIAL, analysis/ IN VITRO/
LEUCINE, metabolism/ MALE/ MICROSCOPY,
ELECTRON/ *MITOCHONDRIA, LIVER/
PROTEINS, biosynthesis/ RATS/ RNA,
analysis/ THYROIDECTOMY
191. Sato S, Tsukui T, Yamada T, et al: [Effects of guanyl
nucleotide on adenylyl cyclase activity of human
thyroid gland]
Folia Endocrinol Jap 49:1207-14, 20 Sep 73 (Jap)
*ADENYL CYCLASE, biosynthesis/ CELL
MEMBRANE, enzymology/
CHROMATOGRAPHY, THIN LAYER/
ENGLISH ABSTRACT/ ENZYME
ACTIVATION/ *GUANINE NUCLEOTIDES,
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TRIPHOSPHATE, pharmacodynamics/ HUMAN/
IN VITRO/ LONG-ACTING THYROID
STIMULATOR, pharmacodynamics/
PROSTAGLANDINS, pharmacodynamics/
*THYROID GLAND, enzymology/
THYROTROPIN, pharmacodynamics/ TRITIUM
192. Sato T, George JC: Diurnal rhythm of
corticotropin-releasing factor activity in the pigeon
hypothalamus.
Can J Physiol Pharmacol 51:743-7, Oct 73
ANIMAL EXPERIMENTS/ CIRCADIAN
RHYTHM/ CORTICOSTERONE, blood/
*CORTICOTROPIN RELEASING HORMONE,
physiology/ FEMALE/ FLUOROMETRY/
HYPOTHALAMO-HYPOPHYSAL SYSTEM/
*HYPOTHALAMUS, physiology/ MALE/
*PIGEONS, physiology/ RATS/ TISSUE
EXTRACTS, pharmacodynamics
193. Sato T, George JC: Evidence for the existence of a
corticotropin-releasing factor in the pigeon
hypothalamus.
Can J Physiol Pharmacol 51:737-42, Oct 73
ANIMAL EXPERIMENTS/ ARGININE,
pharmacodynamics/ CEREBRAL CORTEX,
physiology/ CORTICOSTERONE, blood/
CORTICOTROPIN RELEASING HORMONE,
pharmacodynamics/ *CORTICOTROPIN
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DOSE-RESPONSE RELATIONSHIP, DRUG/
EPINEPHRINE, pharmacodynamics/ FEMALE/
HYPOTHALAMO-HYPOPHYSAL SYSTEM/
*HYPOTHALAMUS, physiology/ MALE/
MICROINJECTIONS/ NOREPINEPHRINE,
pharmacodynamics/ OXYTOCIN,
pharmacodynamics/ *PIGEONS, physiology/
PITUITARY GLAND, drug effects/ RATS/
TIME FACTORS/ TISSUE EXTRACTS,
pharmacodynamics/ VASOPRESSIN,
pharmacodynamics
194. Saudan Y: Traitement de base de la polyarthrite
rhumatoïde.
Schweiz Med Wochenschr 103:1148-53, 18 Aug 73 (Fre)
*ANTI-INFLAMMATORY AGENTS, therapeutic
use/ *ARTHRITIS, RHEUMATOID, drug
therapy/ CORTISONE, therapeutic use/
ENGLISH ABSTRACT/ HUMAN/ METHODS/
PAIN, drug therapy/ PHENYLBUTAZONE,
therapeutic use/ SALICYLATES, therapeutic
use
195. Saumande J, Thimonier J: Utilisation d'un diagnostic
précoce de gestation par estimation du taux de
progestérone dans le sang périphérique de brebis.
Ann Biol Anim Biochim Biophys 12:661-5, 1972 (Fre)
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ COMPARATIVE STUDY/
ENDOSCOPY/ ENGLISH ABSTRACT/
ESTRUS/ EVALUATION STUDIES/ FEMALE/
INSEMINATION, ARTIFICIAL/ METHODS/
OVARY, physiology/ PLASMA, analysis/
PREGNANCY/ *PREGNANCY TESTS/
*PROGESTERONE, blood/ PROTEIN BINDING/
SHEEP/ TIME FACTORS/ TRITIUM
3196. Sauveur B, Lacassagne L: Effets d'un fil utérin sur les
ovipositions et la composition de l'oeuf chez la poule.
Ann Biol Anim Biochim Biophys 12:569-79, 1972 (Fre)
ANIMAL EXPERIMENTS/ CALCIUM,
metabolism/ *CHICKENS, physiology/
CHLORIDES, metabolism/ DARKNESS/ EGG
SHELL/ ENGLISH ABSTRACT/ FEMALE/
OSMOTIC PRESSURE/ OVALBUMIN,
metabolism/ *OVIPOSITION/ OVULATION/
*OVUM, analysis/ POTASSIUM, metabolism/
REPRODUCTION/ SODIUM, metabolism/
*SUTURES/ TEXTILES/ TIME FACTORS/
*UTERUS, physiology
3197. Savu L, Lauzon S de, Rombauts P, et al: Paramètres de
liaison du 16 alpha, 17 beta-estriol avec des
immunsérums antiestriol hautement spécifiques de
lapins et de brebis. FEBS Lett 36:113-5, 1 Oct 73 (Fre)
ANIMAL EXPERIMENTS/ ANTIBODY
SPECIFICITY/ BINDING SITES, ANTIBODY/
COMPARATIVE STUDY/ DIALYSIS/
*ESTRIOL/ FEMALE/ IMMUNE SERUMS/
KINETICS/ PROTEINS, metabolism/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ SHEEP,
immunology
3198. Savy J, Doz V, Mermet: Contrôle à la 5 année d'une
résection trachéale cylindrique avec suture bout à
bout pour cancer de la thyroïde.
J Fr Otorhinolaryngol 22:456-9, May 73 (Fre)
AGED/ FEMALE/ FOLLOW-UP STUDIES/
HUMAN/ SUTURE TECHNIQS/ *THYROID
NEOPLASMS, surgery/ *TRACHEA, surgery
3199. Sawa H, Krukowska H, Skoczowska M: Assay of
17-hydroxysteroids, 17-ketosteroids and estrogens in
random urine samples of neonates.
Mater Med Pol 5:194-6, Jul-Sep 73
ANIMAL EXPERIMENTS/ CREATININE,
urine/ *ESTROGENS, urine/ FEMALE/
*HYDROXYSTERIODS, urine/ *INFANT,
NEWBORN/ *17-KETOSTEROIDS, urine/ MALE
3200. Scarff JE: Los síndromes clásicos de tumor cerebral.
Rev Esp Otonurooftalmol Neurocl 31:133-42,
Mar-Jun 73 (Spa)
ACOUSTIC NERVE/ ADENOMA/ *BRAIN
NEOPLASMS/ CEREBRAL VENTRICLES/
CRANIOPHARYNGIOMA/ CYSTS/ ENGLISH
ABSTRACT/ HUMAN/ MENINGIOMA/
NEURILEMMOMA/ ORBITAL NEOPLASMS/
PINEALOMA/ PITUITARY NEOPLASMS/
TRIGEMINAL NERVE
3201. Scarpace PJ, Neuman WF: Quantitation of Ca²⁺ fluxes
in chick calvaria.
Biochim Biophys Acta 323:267-75, 11 Oct 73
BINDING SITES/ BIOLOGICAL TRANSPORT/
BONE AND BONES, drug effects/ *BONE
AND BONES, metabolism/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
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IODOACETATES, pharmacodynamics/
KINETICS/ MATHEMATICS/ MEMBRANES,
metabolism/ PERIOSTEUM, metabolism/ TIME
FACTORS/ ULTRAFILTRATION
3202. Schädel J, Hess MW, Cottler H: Immunologische
Aspekte der Schilddrüsenerkrankungen.
Ther Umsch 30:687-91, Oct 73 (Ger)
*AUTOIMMUNE DISEASES, immunology/
DIAGNOSIS, DIFFERENTIAL/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
THYROID DISEASES, diagnosis/ *THYROID
DISEASES, immunology
3203. Schaeffer LD, Sproles A, Krakowski A: Detection of
cyclic AMP in parotid saliva of normal individuals.
J Comp Neurol 52:629, May-Jun 73

AUTHOR SECTION

- *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ HUMAN/
HYDROGEN-ION CONCENTRATION/
*PAROTID GLAND/ *SALIVA, analysis/
SECRETORY RATE/ STIMULATION,
CHEMICAL
3204. Schaison G, Nathan C, Gilbert-Dreyfus: Un cas féminin de syndrome de Prader et Willi. Exploration à l'âge post-pubertaire. *Ann Endocrinol (Paris)* 34:286-8, May-Jun 73 (Fre)
*ABNORMALITIES, MULTIPLE, complications/
ADULT/ CLOMIPHENE, therapeutic use/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*HYPOGONADISM, complications/
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HYPOTHALAMUS, physiopathology/
KARYOTYPING/ MENSTRUATION/ *MENTAL
RETARDATION, complications/ OBESITY,
complications/ OVULATION/ SYNDROME
3205. Schalekamp MA, Beevers DG, Briggs JD, et al: Hypertension in chronic renal failure. An abnormal relation between sodium and the renin-angiotensin system. *Am J Med* 55:379-90, Sep 73
*ANGIOTENSIN II, blood/ BLOOD
PRESSURE/ DRUG INTERACTIONS/
HEMODIALYSIS/ HUMAN/ HYPERTENSION,
blood/ HYPERTENSION, enzymology/
*HYPERTENSION, etiology/ HYPERTENSION,
MALIGNANT, etiology/ *KIDNEY FAILURE,
CHRONIC, complications/ NEPHRECTOMY,
adverse effects/ *RENIN, blood/ *SODIUM,
blood/ SODIUM, metabolism
3206. Schalekamp MA, Schalekamp-Kuyken MP, Moor-Fruytier M de, et al: Interrelationships between blood pressure, renin, renin substrate and blood volume in terminal renal failure. *Clin Sci Mol Med* 45:417-28, Oct 73
ADOLESCENCE/ ADULT/ ALPHA GLOBULIN,
blood/ ANGIOTENSIN, pharmacodynamics/
*ANGIOTENSIN II, blood/ *BLOOD
PRESSURE/ *BLOOD VOLUME/ BODY
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blood/ PYELONEPHRITIS, blood/ *RENIN,
blood/ SODIUM/ ULTRAFILTRATION
3207. Schaltenbrand G, Spuler H, Wahren W, et al: Vegetative and emotional reactions during electrical stimulation of deep structures of the brain during stereotactic procedures. *Z Neurol* 205:91-113, 1973
ADOLESCENCE/ ADULT/ AMYGDALOID
BODY, physiology/ *AUTONOMIC NERVOUS
SYSTEM, physiology/ BODY TEMPERATURE
REGULATION/ *BRAIN, physiology/
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LIMBIC SYSTEM, physiology/ MALE/ MIDDLE
AGE/ *SENSATION/ *STEREOTAXIC
TECHNICS/ THALAMUS, physiology
3208. Scharpf LG Jr, Hill ID, Wright PL, et al: Teratology studies on methylmercury hydroxide and nitrilotriacetate sodium in rats. *Nature* 241:461-3, 18 Feb 73
*ABNORMALITIES, DRUG-INDUCED/ *ACETIC
ACIDS, adverse effects/ ADMINISTRATION,
ORAL/ ANIMAL EXPERIMENTS/ BIRTH
WEIGHT/ BRAIN, abnormalities/ DRUG
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COMPOUNDS, adverse effects/
ORGANOMETALLIC COMPOUNDS, toxicity/
PREGNANCY/ RATS/ RIBS, abnormalities/
TESTIS, abnormalities
3209. Schauer A, Kunze E, Matzner B: Pseudocarcinomatöse Schilddrüsenveränderungen nach thyreostatischer Therapie. *Verh Dtsch Ges Kreislaufforsch* 56:369-73, 1972 (Ger)
ANIMAL EXPERIMENTS/ DIAGNOSIS,
DIFFERENTIAL/ ENGLISH ABSTRACT/
HUMAN/ RATS/ *THYROID ANTAGONISTS,
adverse effects/ *THYROID DISEASES,
chemically induced/ THYROID DISEASES,
pathology/ THYROID GLAND, drug effects/
THYROID NEOPLASMS, pathology
3210. Schaumann W, Koch K, Mattern HR: Extrarenal actions of aldosterone antagonists in guinea pigs. II. Reduction of the toxicity of beta-methyl-digoxin. *Naunyn Schmiedeberg Arch Pharmacol* 279:9-18, 24 Aug 73
*ALDOSTERONE, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ DIGOXIN, analysis/
DIGOXIN, metabolism/ *DIGOXIN, toxicity/
DRUG INTERACTIONS/ FEMALE/ GUINEA
PIGS/ *HEART, drug effects/ IN VITRO/
MALE/ MYOCARDIUM, metabolism/
SPIRONOLACTONE, administration & dosage/
*SPIRONOLACTONE, pharmacodynamics/
TRITIUM
3211. Schechter J: Electron microscopic studies of human pituitary tumors. II. Acidophilic adenomas. *Am J Anat* 138:387-99, Nov 73
ACROMEGALY, etiology/ ADENOMA,
EOSINOPHILIC, complications/ *ADENOMA,
EOSINOPHILIC, pathology/ CYTOPLASMIC
GRANULES/ ENDOPLASMIC RETICULUM/
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pathology/ HUMAN/ MICROSCOPY,
ELECTRON/ *PITUITARY GLAND, pathology/
PITUITARY NEOPLASMS, complications/
*PITUITARY NEOPLASMS, pathology
3212. Schechter J: Electron microscopic studies of human pituitary tumors. I. Chromophilic adenomas. *Am J Anat* 138:371-85, Nov 73
ACROMEGALY, etiology/ ADENOMA,
CHROMOPHOBE, complications/ *ADENOMA,
CHROMOPHOBE, pathology/ BASOPHILS/
CYTOPLASMIC GRANULES/ HUMAN/
HYPOPHYSITIS, etiology/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ *PITUITARY
GLAND, pathology/ PITUITARY NEOPLASMS,
complications/ *PITUITARY NEOPLASMS,
pathology/ SYNAPTIC VESICLES
3213. Scheld MP, Hoffmann MK, Komuro K, et al: Differentiation of T cells induced by preparations from thymus and by nonthymic agents. *J Exp Med* 138:1027-32, 1 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
ANTIBODY PRODUCING CELLS/ ANTIGENS/
BONE MARROW CELLS, immunology/
CATTLE/ *CELL DIFFERENTIATION/
CHICKENS/ HUMAN/ MICE/ PHENOTYPE/
POLY A-U, pharmacodynamics/ RATS/
SPLEEN, cytology/ THYMUS GLAND,
immunology/ *THYMUS GLAND, physiology
3214. Schein PS: Islet cell tumors: current concepts and management. *Ann Intern Med* 79:239-57, Aug 73
ADENOMATOSIS, FAMILIAL ENDOCRINE,
diagnosis/ ADOLESCENCE/ ADULT/ AGED/
ASPARAGINASE, therapeutic use/ CHILD/
CHILD, PRESCHOOL/ CORTICOTROPIN,
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*ISLET CELL TUMOR/ ISLET CELL TUMOR,
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*PANCREATIC NEOPLASMS/ PANCREATIC
NEOPLASMS, therapy/ SECRETIN, secretion/
STREPTOZOTOCIN, therapeutic use/
ZOLLINGER-ELLISON SYNDROME, diagnosis

AUTHOR SECTION

215. Schenck B, Neumann F: Einfluß von Sexualhormonen auf Knochenreifung und Knochenwachstum weiblicher Ratten.
Arzneim Forsch 23:887-907, Jul 73 (Ger)
ACETATES/ ANIMAL EXPERIMENTS/ BODY HEIGHT, drug effects/ BODY WEIGHT, drug effects/ *BONE DEVELOPMENT, drug effects/ CASTRATION/ *CYPROTERONE, pharmacodynamics/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ EPIPHYSES, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ FEMUR/ FORELIMB/ METACARPUS/ METATARSUS/ OSSIFICATION, PHYSIOLOGIC, drug effects/ PROPIONATES/ RATS/ TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, pharmacodynamics/ TIBIA/ TIME FACTORS
216. Schenken JR, Brabec P: Free thyroxine index in maternal and cord sera: coefficients of variation evaluated by the method of differences of duplicates.
Am J Clin Pathol 60:499-501, Oct 73
FEMALE/ HUMAN/ HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, congenital/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ TRIIODOTHYRONINE, analysis
217. Schiavetti L, Baccarini V, Marroni P, et al: La terapia con immunosoppressori delle connettiviti.
Minerva Med 64:2983-6, 4 Aug 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic use/ ALKYLATING AGENTS, therapeutic use/ *COLLAGEN DISEASES, drug therapy/ COLLAGEN DISEASES, immunology/ DACTINOMYCIN, therapeutic use/ FOLIC ACID ANTAGONISTS, therapeutic use/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ PURINES, antagonists & inhibitors/ PYRIMIDINES, antagonists & inhibitors
218. Schick E, Tanagho EA: Nervous and humoral factors in vesicorenal reflexes. Urology 2:463-7, 4 Oct 73
ANIMAL EXPERIMENTS/ *ANURIA, physiopathology/ *AUTONOMIC NERVOUS SYSTEM, physiology/ BLADDER, physiology/ *BLADDER, physiopathology/ BLOOD PRESSURE/ DOGS/ FEMALE/ *KIDNEY, physiopathology/ MALE/ MANNITOL, pharmacodynamics/ PARABIOSIS/ PITUITARY GLAND, physiology/ PRESSURE/ *REFLEX/ SPECIFIC GRAVITY/ URINATION/ URINE/ *VASOPRESSIN, physiology
219. Schick PK, Yu BP: Methylene blue-induced serotonin release in human platelets.
J Lab Clin Med 82:546-53, Oct 73
BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, secretion/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ ETHANOLAMINES, blood/ HEXOSEPHOSPHATES, blood/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROXYINDOLEACETIC ACID, blood/ LUCIFERASE/ *METHYLENE BLUE, pharmacodynamics/ PHENAZINES, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects/ POTASSIUM, blood/ *SEROTONIN, blood/ TEMPERATURE
220. Schimrigk K, Ströder J: Morphologie und Histochemie der Skelettmuskulatur bei Rachitis.
Monatsschr Kinderheilkd 121:372-4, Jul 73 (Ger)
ANIMAL EXPERIMENTS/ ELECTROMYOGRAPHY/ HISTOCYTOCHEMISTRY/ MUSCLES, metabolism/ *MUSCLES, pathology/ MUSCULAR ATROPHY, pathology/ RATS/ RICKETS, metabolism/ *RICKETS, pathology
221. Schindl R, Witonsky O: Langzeitbehandlung beim Asthma bronchiale mit bronchitischer Komponente unter Corticoid-Dosier-Aerosol.
Respiration 30:443-57, 1973 (Ger)
AEROSOLS/ *ASTHMA, drug therapy/ ASTHMA, pathology/ BIOPSY/ BRONCHI, pathology/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ ISONICOTINIC ACID
3222. Schindler AE: Zusammenhang zwischen Einnahme der "Pille" und einer Thyreoiditis.
Med Welt 24:1030, 15 Jun 73 (Ger)
*CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, therapeutic use/ FEMALE/ HUMAN/ *THYROIDITIS, chemically induced
3223. Schirren C: Alternativen zur "pille" als Methoden der Antikonzepktion aus andrologischer Sicht.
Fortschr Med 91:1185-8, 25 Oct 73 (Ger)
ADULT/ *CONTRACEPTION/ CONTRACEPTIVE AGENTS, therapeutic use/ *CONTRACEPTIVES, ORAL, therapeutic use/ COUNSELING/ DELAYED-ACTION PREPARATIONS/ FEMALE/ GERMANY, WEST/ HUMAN/ JURISPRUDENCE/ MALE/ SPERM CAPACITATION, drug effects/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, immunology/ TESTOSTERONE, administration & dosage/ VASECTOMY
3224. Schlehe H, Konietzko N, Altenstetter F, et al: Therapie der idiopathischen diffusen Lungenfibrosen.
Schweiz Med Wochenschr 103:1543-7, 3 Nov 73 (Ger)
ADULT/ AGED/ AZATHIOPRINE, therapeutic use/ CORTICOSTERONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PARTIAL PRESSURE/ PLETHYSMOGRAPHY, WHOLE BODY/ PREDNISONE, therapeutic use/ *PULMONARY FIBROSIS, drug therapy/ PULMONARY FIBROSIS, physiopathology/ VITAL CAPACITY
3225. Schley G, Anlauf M, Kratzsch E, et al: Generalisierter Herpes zoster mit aufsteigender Landryscher Paralyse.
Med Klin 68:1261-5, 28 Sep 73 (Ger)
ADOLESCENCE/ CHLORPROMAZINE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ DIAZEPAM, therapeutic use/ ENGLISH ABSTRACT/ *HERPES ZOSTER, complications/ HERPES ZOSTER, diagnosis/ HERPES ZOSTER, drug therapy/ HERPES ZOSTER, etiology/ HUMAN/ MALE/ MEPERIDINE, therapeutic use/ *PARALYSIS, complications/ PARALYSIS, diagnosis/ PARALYSIS, drug therapy/ PARALYSIS, etiology/ POLYNEURITIS, complications/ POLYNEURITIS, drug therapy/ PREDNISONE, therapeutic use
3226. Schmatra O, Skrzypek J, Nowak J: Neuroleptanalgezia w profilaktyce złamania kości.
Wiad Lek 26:1799-802, 1 Oct 73 (Pol)
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE/ *NEUROLEPTOANALGESIA/ PREOPERATIVE CARE/ *THYROID CRISIS, prevention & control
3227. Schmielak P: Letter: Ribonucleoprotein particle in epidermis cells as the receptor for juvenile hormone.
Nature 245:267-8, 5 Oct 73
GEL FILTRATION/ *JUVENILE HORMONES, metabolism/ *RECEPTORS, HORMONE/ *RNA, metabolism/ SKIN, metabolism/ TENEBRIO, metabolism/ TRITIUM
3228. Schmidt HA, Michele E: Vergleichende Untersuchungen über die Treffsicherheit der in-vitro-Teste für die Schilddrüsendiagnostik.
Nucl Med (Stuttg) 12:91-6, 31 Aug 73 (Ger)
COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IN VITRO/ METHODS/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, blood

AUTHOR SECTION

3229. Schmidt P, Zazgornik J, Kopsa H: Hypourikämie nach Nierentransplantation.
Wien Klin Wochenschr 85:793-5, 30 Nov 73 (Ger)
ADULT/ CORTISONE, administration & dosage/ CORTISONE, adverse effects/ CREATININE, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS/ *URIC ACID, blood
3230. Schmidt P, Zazgornik J, Kopsa H: Letter: Hypouricemia after renal transplantation.
N Engl J Med 289:1373, 20 Dec 73
ADULT/ CORTISONE, pharmacodynamics/ FEMALE/ HUMAN/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PREDNISOLONE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS/ *URIC ACID, blood/ URIC ACID, urine
3231. Schmidt R: Behandlung akneiformer Dermatosen mit einem kortikoidhaltigen Spezialpräparat.
Munch Med Wochenschr 115:1589-70, 14 Sep 73 (Ger)
*ACNE, drug therapy/ ADMINISTRATION, TOPICAL/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ FEMALE/ HUMAN/ MALE
3232. Schmidt W, Gabler W: The influence of phenazine methosulphate on the histochemical demonstration of steroid dehydrogenases.
Folia Morphol (Praha) 21:172-4, 1973
ANIMAL EXPERIMENTS/
*OXIDOREDUCTASES, metabolism/
*PHENAZINES, pharmacodynamics/
*PLACENTA, enzymology/ RATS/ STEROIDS/ SULFATES, pharmacodynamics
3233. Schmitt KW, Juselius R, Hanion J, et al: Values for urinary free cortisol during treatment with amino-glutethimide for Cushing's syndrome.
Clin Chem 19:1087-8, Sep 73
*AMINOGLUTETHIMIDE, therapeutic use/ CASE REPORT/ *CUSHING'S SYNDROME, drug therapy/ CUSHING'S SYNDROME, urine/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCURONIDASE/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, urine/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ TIME FACTORS
3234. Schmitt M: Circadian rhythmicity in responses of cells in the lateral hypothalamus.
Am J Physiol 225:1096-101, Nov 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ GLUCOSE, pharmacodynamics/ HIGHER NERVOUS ACTIVITY/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ *PORTAL VEIN, innervation/ RATS/ RECEPTORS, NEURAL, physiology/ SODIUM CHLORIDE, pharmacodynamics
3235. Schmitt M: Influences of hepatic portal receptors on hypothalamic feeding and satiety centers.
Am J Physiol 225:1089-95, Nov 73
ACTION POTENTIALS/ AMMONIUM CHLORIDE, pharmacodynamics/ BEHAVIOR, ANIMAL/ BRAIN MAPPING/ CHORDOTOMY/ *FEEDING BEHAVIOR/ GLUCOSE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ NEURAL INTERCONNECTIONS/ *PORTAL VEIN, innervation/ *RECEPTORS, NEURAL, physiology/ SODIUM CHLORIDE, pharmacodynamics/ VAGOTOMY
3236. Schmuckl O, Sulmoni A, Pupato F: Spätkomplikationen der Blase nach Radiojodgabe bei Schilddrüsenmalignom.
Urologe [A] 12:130-3, May 73 (Ger)
ADULT/ AGED/ BIOPSY/ *BLADDER DISEASES, etiology/ BLADDER DISEASES, pathology/ BLADDER DISEASES, radiography/ *CARCINOMA, PAPILLARY, radiotherapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IODINE RADIOISOTOPES, adverse effects/ IODINE RADIOISOTOPES, therapeutic use/ MALE/ *RADIOTHERAPY, adverse effects/ *THYROID NEOPLASMS, radiotherapy/ UROGRAPHY
3237. Schmutzer KJ, Zaki AE, Regan JF: Gastric carcinoma in a 22-year-old Negro woman with metastases to ovaries and breast. A case report.
J Natl Med Assoc 65:426-8 passim, Sep 73
*ADENOCARCINOMA, pathology/ ADULT/ AGE FACTORS/ *BREAST NEOPLASMS, pathology/ CASE REPORT/ FEMALE/ HUMAN/ *NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, pathology/ *PRECANCEROUS CONDITIONS/ RACIAL STOCKS/ *STOMACH NEOPLASMS, pathology/ STOMACH ULCER, pathology
3238. Schneider JA, Francke U, Hammond DS, et al: Properties of cystinotic fibroblast-D98 cell hybrids studied by somatic cell hybridization.
Nature 244:289-92, 3 Aug 73
CELL LINE/ CHILD/ CHROMOSOME ABNORMALITIES/ *CHROMOSOMES/ CLONE CELLS/ CYSTINE, metabolism/ CYSTINOSIS, enzymology/ *CYSTINOSIS, familial & genetic/ CYSTINOSIS, metabolism/ FANCONI SYNDROME, enzymology/ *FANCONI SYNDROME, familial & genetic/ FANCONI SYNDROME, metabolism/ FEMALE/ FIBROBLASTS/ GLUCOSEPHOSPHATE DEHYDROGENASE, biosynthesis/ HUMAN/ *HYBRID CELLS, cytology/ HYBRID CELLS, enzymology/ HYBRID CELLS, metabolism/ HYPOXANTHINES/ ISOENZYMES/ KARYOTYPING/ SYNDROME
3239. Schneider JJ: 17,21-Dihydroxy-5beta-pregn-2-ene-1,11,20-trione, a new analogue of cortisone. Methods for distinguishing between delta 2-1-oxo- and delta 1-3-oxo-steroids.
J Chem Soc [Perkin I] 13:1361-5, 1973
*CORTISONE/ HYDROXYSTEROIDS, analysis/ *KETOSTEROIDS, analysis/ METHODS/ OPTICAL ROTATORY DISPERSION/ *PREGNENES, analysis/ PREGNENES, chem synthesis/ PREGNENES, classification/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS/ STRUCTURE-ACTIVITY RELATIONSHIP
3240. Schneider WH, Matt K, Spona J: Ergebnisse des LH-RH-Hypophysenfunktions testes bei Frauen mit sekundärer Amenorrhoe.
Wien Klin Wochenschr 85:588-90, 7 Sep 73 (Ger)
*AMENORRHEA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LH, blood/ LH, physiology/ *LH-FSH RELEASING HORMONE, administration & dosage/ *PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY GLAND, physiology/ RADIOIMMUNOASSAY
3241. Schneider WH, Spona J, Matt K: Die Auswirkung kurz- und langdauernder Verabreichungen des synthetischen FSH- und LH-Releasing Hormons auf die Zyklusfunktionsparameter sekundär amenorrhöischer Frauen.
Wien Klin Wochenschr 85:554-8, 17 Aug 73 (Ger)
ADULT/ *AMENORRHEA, drug therapy/ CERVIX MUCUS/ ENGLISH ABSTRACT/ ESTRADIOL, secretion/ FEMALE/ *FSH, secretion/ HUMAN/ *LH, secretion/ OVARY, drug effects/ OVULATION, drug effects/ *PITUITARY HORMONE RELEASING HORMONES, administration & dosage/ PITUITARY HORMONE RELEASING HORMONES, therapeutic use/ PROGESTERONE, secretion/ STERILITY, FEMALE, drug therapy/ TIME FACTORS/ VAGINAL SMEARS
3242. Schnurr E: Ein Störfaktor beim Radio-Immunoassay des Urin-Aldosterons.
J Chromatogr 84:165-6, 12 Sep 73 (Ger)
*ALDOSTERONE, urine/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY
3243. Schnurr E, Schröder E: Eine vereinfachte Methode zur

AUTHOR SECTION

- Bestimmung der Aldosteronausscheidung.
Med Welt 24:889-91, 27 Apr 73 (Ger)
*ALDOSTERONE, urine/ CHROMATOGRAPHY,
THIN LAYER/ HUMAN/ METHODS/
RADIOIMMUNOASSAY
3244. Scholz A: Einflub von Ascorbinsäure auf die
Hypercholesterinämie bei Hypothyreose.
Klin Wochenschr 51:518-9, 15 May 73 (Ger)
ANIMAL EXPERIMENTS/
ANTICHOLESTEREMIC AGENTS, therapeutic
use/ *ASCORBIC ACID, therapeutic use/
ENGLISH ABSTRACT/
*HYPERCHOLESTEREMIA, drug therapy/
HYPERCHOLESTEREMIA, etiology/
HYPOTHYROIDISM, chemically induced/
*HYPOTHYROIDISM, complications/ IODINE
RADIOISOTOPES, adverse effects/ RATS/
THYROID GLAND, radiation effects
3245. Schönfelder H, Schirren C: Zur Therapie männlicher
Fertilitätsstörungen und des Klimakterium virile.
Untersuchungen über den Einflub einer
kombinierten
Choriongonadotropin-Testosteron-Behandlung.
Fortschr Med 28:1123-30, Oct 73 (Ger)
CELL MOVEMENT, drug effects/
*CLIMACTERIC, drug effects/ DRUG
THERAPY, COMBINATION/ EVALUATION
STUDIES/ GONADOTROPINS, CHORIONIC,
pharmacodynamics/ *GONADOTROPINS,
CHORIONIC, therapeutic use/ HUMAN/
MALE/ SPERMATOZOA, drug effects/
*STERILITY, MALE, drug therapy/
TESTOSTERONE, pharmacodynamics/
*TESTOSTERONE, therapeutic use
3246. Schrauzer GN, Kiefer GW, Doemeny PA, et al: Chemical
evolution of a nitrogenase model. VI. The reduction of
CN-, N3-, N2O, N2, and other substrates by
molybdocysteine catalysts in the presence of
nucleoside phosphates.
J Am Chem Soc 95:5582-92, 22 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADENOSINE DIPHOSPHATE/ *ADENOSINE
TRIPHOSPHATE/ AZIDES/ CATALYSIS/
CHEMISTRY/ CYANIDES/ *CYSTEINE/
MAGNESIUM/ MODELS, CHEMICAL/
MOLYBDENUM/ NITROGEN/ NITROGEN
OXIDES/ *NITROGENASE/
OXIDATION-REDUCTION
3247. Schreiber D, Batka H, Lageman A: Hormonelle
Störungen und Geschwulstentwicklung im
Zentralnervensystem. Experimentelle
Untersuchungen an Ratten.
Zentralbl Allg Pathol 117:180-4, 1973 (Ger)
ANIMAL EXPERIMENTS/ *BRAIN
NEOPLASMS, chemically induced/
CASTRATION/ ENGLISH ABSTRACT/
FEMALE/ MALE/ *NITROSOUREA
COMPOUNDS/ *PERIPHERAL NERVE
NEOPLASMS, chemically induced/ *SPINAL
CORD NEOPLASMS, chemically induced/
*TESTOSTERONE, pharmacodynamics
3248. Schrier BK, Shapiro DL: Effects of
N6-monobutyl-yl-cyclic AMP on glutamate
decarboxylase activity in fetal rat brain cells and glial
tumor cells in culture. Exp Cell Res 80:459-62, Aug 73
ACETYLTRANSFERASES, metabolism/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
BRAIN, drug effects/ BRAIN, embryology/
*BRAIN, enzymology/ *BRAIN NEOPLASMS,
enzymology/ *CARBOXY-LYASES, metabolism/
CELL LINE/ CELLS, CULTURED/ *GLIOMA,
enzymology/ GLUTAMATES/ NEOPLASMS,
EXPERIMENTAL, enzymology/ NERVE
TISSUE PROTEINS, metabolism/ RATS/
STIMULATION, CHEMICAL
3249. Schrogie JJ: Clinical and epidemiologic aspects of oral
contraceptive safety.
Semin Drug Treat 3:143-56, Autumn 73 (90 ref.)
AMENORRHEA, chemically induced/ BLOOD
COAGULATION DISORDERS, chemically
induced/ BLOOD FLOW VELOCITY/ BLOOD
PRESSURE, drug effects/ BLOOD VESSELS,
drug effects/ CARBOHYDRATES, metabolism/
*CONTRACEPTIVES, ORAL, adverse effects/
EPIDEMIOLOGIC METHODS/ EVALUATION
STUDIES/ FEMALE/ HUMAN/ LIPIDS,
metabolism/ NUTRITION/ PROGESTATIONAL
HORMONES, adverse effects/
PROGESTERONE, adverse effects/ REVIEW/
TESTOSTERONE, adverse effects/
THROMBOEMBOLISM, chemically induced
3250. Schubert K, Rose G, Hörhold C: Mikrobielle Hydrierung
des Aromatischen Systems von 17
alpha-Athinylostradiol.
J Steroid Biochem 4:283-8, May 73 (Ger)
AEROBICOSIS/ ANAEROBICOSIS/
*ASPERGILLUS FLAVUS, metabolism/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ *ETHINYL ESTRADIOL,
metabolism/ FLUORESCENCE/
HYDROGENATION/ HYDROXYSTEROIDS,
biosynthesis/ NORETHINDRONE, biosynthesis/
NUCLEAR MAGNETIC RESONANCE/
SPECTROPHOTOMETRY, INFRARED/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SPECTRUM ANALYSIS, MASS
3251. Schuhmann R, Lehmann WD: Beziehungen zwischen
Placentamorphologie und biochemischen Befunden bei
EPH-Gestose und Diabetes mellitus.
Dehydroepiandrosteronbelastungstest, in vitro
Umwandlungsrate von 4-14C-Dehydroepiandrosteron
in Oestrogene, oestrogenausscheidung im 24
Std-Urin.
Arch Gynaekol 215:72-84, 25 May 73 (Ger)
CARBON RADIOISOTOPES/
*DEHYDROEPIANDROSTERONE, urine/
ENGLISH ABSTRACT/ *ESTROGENS, urine/
FEMALE/ GESTATIONAL AGE/
HISTOCYTOCHEMISTRY/ HUMAN/
*PLACENTA, pathology/ PREGNANCY/
PREGNANCY IN DIABETES, pathology/
*PREGNANCY IN DIABETES, urine/
PREGNANCY TOXEMIAS, pathology/
*PREGNANCY TOXEMIAS, urine/ TIME
FACTORS
3252. Schulte L: Primary subacute pyogenic osteomyelitis in
children. A study of four cases.
Arch Chir Neerl 25:283-91, 1973
AGE FACTORS/ AMPICILLIN,
therapeutic use/ CHILD, PRESCHOOL/
CLOXACILLIN, therapeutic use/ EPIPHYSES,
radiography/ FEMUR, radiography/ FEVER,
etiology/ FOLLOW-UP STUDIES/ HUMAN/
INFANT/ *OSTEOMYELITIS, diagnosis/
OSTEOMYELITIS, drug therapy/
OSTEOMYELITIS, radiography/
OSTEOMYELITIS, therapy/ OSTEOPOROSIS,
radiography/ REST/ SCLEROSIS, radiography/
SUPPURATION/ TRACTION
3253. Schultz J, Daly JW: Adenosine 3',5'-monophosphate in
guinea pig cerebral cortical slices: effects of alpha-
and beta-adrenergic agents, histamine, serotonin and
adenosine. J Neurochem 21:573-9, Sep 73
*ADENOSINE, pharmacodynamics/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/
*ADRENERGIC ALPHA RECEPTOR
BLOCKADERS, pharmacodynamics/
*ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CEREBRAL CORTEX, drug
effects/ *CEREBRAL CORTEX, metabolism/
DIPHENHYDRAMINE, pharmacodynamics/
EPINEPHRINE, pharmacodynamics/
ERGOTAMINE, pharmacodynamics/ GUINEA
PIGS/ *HISTAMINE, pharmacodynamics/ IN
VITRO/ ISOMERISM/ MALE/
METHYSERGIDE, pharmacodynamics/
NOREPINEPHRINE, pharmacodynamics/
PHENIRAMINE, pharmacodynamics/
PHENOXYBENZAMINE, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/
*SEROTONIN, pharmacodynamics/ SOTALOL,
pharmacodynamics/ XANTHINES,
pharmacodynamics

AUTHOR SECTION

3254. Schultz M: Case II (low back pain due to osteoporosis and fracture).
Proc Mine Med Off Assoc 52:53, Sep-Dec 72
*BACKACHE, etiology/ CASE REPORT/
*FRACTURES, complications/ HUMAN/ MALE/
*OSTEOPOROSIS, complications/ *SPINAL
DISEASES, complications/ *SPINAL INJURIES,
complications
3255. Schulz R, Goldstein A: Morphine tolerance and
supersensitivity to 5-hydroxytryptamine in the
myenteric plexus of the guinea-pig.
Nature 244:168-70, 20 Jul 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ DRUG TOLERANCE/
ELECTRIC STIMULATION/ GUINEA PIGS/
ILEUM, innervation/ IN VITRO/ *MORPHINE
ADDICTION/ MUSCLE CONTRACTION, drug
effects/ *MYENTERIC PLEXUS, drug effects/
NEURAL TRANSMISSION, drug effects/
*SEROTONIN, pharmacodynamics
3256. Schumacher G, Ehring R: RNA-directed cell-free
synthesis of the galactose enzymes of Escherichia coli.
Mol Gen Genet 124:329-44, 28 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ *CARBOHYDRATE
ISOMERASES, biosynthesis/ CELL-FREE
SYSTEM/ *ESCHERICHIA COLI, enzymology/
GALACTOSE/
NUCLEOTIDYLTRANSFERASES, biosynthesis/
*PHOSPHOTRANSFERASES, biosynthesis/
RNA, BACTERIAL/ RNA, MESSENGER
3257. Schumann G, Schnebli HP, Dukor P: Selective
stimulation of mouse lymphocyte populations by
lectins. Int Arch Allergy Appl Immunol 45:331-40, 1973
AGGLUTINATION TESTS/ ANIMAL
EXPERIMENTS/ CELLS, CULTURED/
CONCANAVALLIN A, pharmacodynamics/
CORTISONE, pharmacodynamics/ DNA,
biosynthesis/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ DRUG RESISTANCE/
ESCHERICHIA COLI/ GERM-FREE LIFE/
LYMPH NODES, cytology/ *LYMPHOCYTE
TRANSFORMATION, drug effects/ MICE/
*MITOGENS, pharmacodynamics/ *PLANT
AGGLUTININS, pharmacodynamics/
POLYSACCHARIDES, BACTERIAL/ PRONASE/
THORACIC DUCT, cytology/ THYMIDINE,
metabolism/ THYMUS GLAND, cytology/
TRITIUM
3258. Schuster RE, Bennett RD: A direct low temperature 1H
and 19F nuclear magnetic resonance study of boron
trifluoride complexes with 4-cholesten-3-one,
1(5beta)-androstene-3,17-dione,
5beta-androstane-3,17-dione, and obacunone.
J Org Chem 38:2904-8, 10 Aug 73
ANDROSTANES/ BINDING, COMPETITIVE/
CHOLESTENES/ *FLUORIDES/ LIGANDS/
*NUCLEAR MAGNETIC RESONANCE/
STEREoisomers/ *STEROIDS/
*TEMPERATURE
3259. Schuster W: Quantitative Mineralsalzbestimmung am
Skelet bei genuehrender Vitamin D-resistenter Rachitis
unter langdauernder Vitamin D-Behandlung.
Monatsschr Kinderheilkd 121:369-72, Jul 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ *APATITES,
analysis/ *BONE AND BONES, analysis/
CHILD/ CHILD, PRESCHOOL/ FEMALE/
HUMAN/ INFANT/ MALE/ METHODS/
RICKETS, VITAMIN D RESISTANT, drug
therapy/ *RICKETS, VITAMIN D RESISTANT,
metabolism/ ULNA/ VITAMIN D, therapeutic
use
3260. Schwartz A, Sauer J, Hradecký L, et al: Die Zysten der
menschlichen Plazenta.
Zentralbl Allg Pathol 117:185-90, 1973 (Ger)
ADULT/ ANOXIA, complications/ CYSTS,
etiology/ *CYSTS, pathology/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ NECROSIS/
PLACENTA DISORDERS, etiology/
*PLACENTA DISORDERS, pathology/
PREGNANCY
3261. Schwartz AG: The protective effect of estradiol-17 beta
against polycyclic hydrocarbon cytotoxicity.
Cancer Res 33:2431-6, Oct 73
AZO COMPOUNDS, pharmacodynamics/
*BENZANTHRACENES, pharmacodynamics/
BREAST, metabolism/ *CELL DIVISION, drug
effects/ *CELL TRANSFORMATION,
NEOPLASTIC, drug effects/ CELLS,
CULTURED/ COMPARATIVE STUDY/
DESOXYCORTICOSTERONE,
pharmacodynamics/ EPITHELIAL CELLS,
metabolism/ *ESTRADIOL, pharmacodynamics/
HELA CELLS, drug effects/ HEPATOMA,
metabolism/ HUMAN/ HYDROCORTISONE,
pharmacodynamics/ *LIVER, drug effects/
LIVER, metabolism/ LIVER NEOPLASMS,
metabolism/ LUNG, drug effects/
NEOPLASMS, chemically induced/
NEOPLASMS, EXPERIMENTAL, metabolism/
PROGESTERONE, pharmacodynamics/ RATS/
TESTOSTERONE, pharmacodynamics/
THYMIDINE, metabolism/ TRITIUM
3262. Schwartz DJ, Evans FC, García CR, et al: A clinical
study of lactation suppression.
Obstet Gynecol 42:599-606, Oct 73
ADMINISTRATION, ORAL/ BREAST, drug
effects/ CAUCASIAN RACE/
CHLOROTRIANISENE, administration &
dosage/ CLINICAL RESEARCH/
DIETHYLSTILBESTROL, administration &
dosage/ DRUG COMBINATIONS/ ESTRADIOL,
administration & dosage/ FEMALE/ HUMAN/
*LACTATION, drug effects/ NEGROES/
OCCUPATIONS/ PLACEBOS/ PREGNANCY/
PUERPERIUM/ SOCIOECONOMIC FACTORS/
TESTOSTERONE, administration & dosage/
VALERATES, administration & dosage
3263. Schwartz E: Kyselina giberelová-substancia s
vladrovnovou biologickou aktivitou.
Bratisl Lek Listy 59:360-72, Sep 73 (Slo)
ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ *BIOPHARMACEUTICS/
BODY WEIGHT, drug effects/ DOGS/
FEMALE/ *GIBBERELLINS,
pharmacodynamics/ GUINEA PIGS/ MALE/
MICE/ MITOGENS, pharmacodynamics/
ORGAN WEIGHT/ RABBITS/ RATS/
SPERMATOGENESIS, drug effects
3264. Schwartz JT, Reuling FH, Feinleib M, et al: Twin study
on ocular pressure following topically applied
dexamethasone. II. Inheritance of variation in
pressure response. Arch Ophthalmol 90:281-6, Oct 73
COMPARATIVE STUDY/ DEXAMETHASONE,
administration & dosage/ DEXAMETHASONE,
adverse effects/ *DEXAMETHASONE,
pharmacodynamics/ DISEASES IN TWINS,
chemically induced/ EYE, blood supply/
HUMAN/ HYPERTENSION,
chemically induced/ HYPERTENSION, familial
& genetic/ *INTRAOCULAR PRESSURE, drug
effects/ OPHTHALMIC SOLUTIONS/
PHENOTYPE/ *TWINS
3265. Schwinger E, Boczkowski K: Frequency and
morphology of the Y-body in patients with female or
ambisexual phenotype. Clin Genet 4:447-9, 1973
*ANDROGENS, physiology/ HAIR, cytology/
HUMAN/ KARYOTYPING/ LYMPHOCYTES,
cytology/ MALE/ MICROSCOPY,
FLUORESCENCE/ PHENOTYPE/
*PSEUDOHERMAPHRODITISM, familial &
genetic/ *SEX CHROMOSOMES/ SYNDROME/
*TESTICULAR FEMINIZATION, familial &
genetic/ *TURNER'S SYNDROME, familial &
genetic
3266. Scigalla P, Lun A, Dieckhoff J: Der
Sauerstoffverbrauch in der Neugeborenenperiode
unter dem Einfluß von Medikamenten. 1. Der
Einfluß von Thyroxin auf den Sauerstoffverbrauch
neugeborener Mäuse.
Paediatr Grenzgeb 12:71-7, 1973 (Ger)
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ ENGLISH ABSTRACT/
FEMALE/ MICE/ *OXYGEN CONSUMPTION,
drug effects/ PREGNANCY/ *THYROXINE,
pharmacodynamics
3267. Sciafani A, Berner CN, Maul G: Feeding and drinking

AUTHOR SECTION

- pathways between medial and lateral hypothalamus in the rat. *J Comp Physiol Psychol* 85:29-51, Oct 73
- ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ APPETITE REGULATION/ BODY WEIGHT/ BRAIN MAPPING/ COMPARATIVE STUDY/ *DRINKING/ *EATING/ EATING, drug effects/ FEMALE/ FOOD DEPRIVATION/ HYPERTONIC SOLUTIONS/ *HYPOTHALAMUS, pathology/ *HYPOTHALAMUS, physiology/ INSULIN, pharmacodynamics/ NEURAL INTERCONNECTIONS, physiology/ OBESITY, etiology/ POLYETHYLENE GLYCOLS, pharmacodynamics/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ STEREOTAXIC TECHNIQS/ TASTE/ THIRST, drug effects/ WATER DEPRIVATION
3268. Scott AA, Welsh RP: Fat embolism: a rational approach to treatment. *Can Med Assoc J* 109:867-71, 3 Nov 73
- BONE MARROW, metaholism/ BRONCHODILATOR AGENTS, therapeutic use/ CHYLOMICRONS, metaholism/ DIGITALIS, therapeutic use/ DIURETICS, therapeutic use/ EMBOLISM, FAT, drug therapy/ EMBOLISM, FAT, etiology/ *EMBOLISM, FAT, therapy/ FRACTURE FIXATION/ FRACTURES, complications/ GLUCOCORTICIDS, therapeutic use/ HEPARIN, therapeutic use/ INTUBATION, INTRATRACHEAL/ LIPIDS, metaholism/ OXYGEN INHALATION THERAPY/ PLATELET ADHESIVENESS/ SHOCK, HEMORRHAGIC, therapy/ WOUNDS AND INJURIES, complications
3269. Scott RD, Strong JA: Letter: Hypomagnesaemia after parathyroidectomy. *Br Med J* 3:639, 22 Sep 73
- ADULT/ BLOOD PROTEINS, analysis/ CALCIUM, blood/ HUMAN/ HYPERPARATHYROIDISM, complications/ MAGNESIUM, blood/ *MAGNESIUM DEFICIENCY, etiology/ MALE/ *PARATHYROID NEOPLASMS, surgery/ PHOSPHATES, blood/ *POSTOPERATIVE COMPLICATIONS
3270. Scouras J, Netter G: Dégénéresences maculaires séniles et perturbations du métabolisme lipidique. *Ophthalmologica* 166:450-9, 1973 (Fre)
- AGE FACTORS/ AGED/ ALKALINE PHOSPHATASE, blood/ BLOOD PROTEINS, analysis/ BLOOD SUGAR/ CHOLESTEROL, blood/ FEMALE/ FLUORESCENCE ANGIOGRAPHY/ FUNDUS OCULI/ GLYCOSURIA/ HUMAN/ HYPERLIPEMIA, blood/ *HYPERLIPEMIA, complications/ HYPERLIPEMIA, urine/ LIPIDS, blood/ *MACULA LUTEA/ MALE/ MIDDLE AGE/ PHOSPHOLIPIDS, blood/ PROTEIN-BOUND IODINE TEST/ PROTEINURIA/ RETINAL DEGENERATION, blood/ *RETINAL DEGENERATION, etiology/ RETINAL DEGENERATION, urine/ TRIGLYCERIDES, blood
3271. Scriba PC: Struma-Prophylaxe. *Internist (Berlin)* 14:330-4, Jul 73 (Ger)
- DEFICIENCY DISEASES, complications/ GERMANY, WEST/ GOITER, occurrence/ *GOITER, prevention & control/ HUMAN/ HYPERTHYROIDISM, etiology/ IODINE, metabolism/ IODINE, therapeutic use/ LEGISLATION, MEDICAL/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE, therapeutic use
3272. Sealey JE, Bühler FR, Laragh JH, et al: The physiology of renin secretion in essential hypertension. Estimation of renin secretion rate and renal plasma flow from peripheral and renal vein renin levels. *Am J Med* 55:391-401, Sep 73
- ALDOSTERONE, blood/ ARTERIES/ BLOOD PRESSURE/ HUMAN/ *HYPERTENSION, enzymology/ *KIDNEY, blood supply/ REGIONAL BLOOD FLOW/ RENAL ARTERY, radiography/ RENAL VEINS/ RENIN, blood/ *RENIN, secretion/ VEINS
3273. Sealey JE, Laragh JH: Searching out low renin patients: limitations of some commonly used methods. *Am J Med* 55:303-14, Sep 73
- ANGIOTENSIN, blood/ BLOOD/ DIMERCAPROL/ EDTA/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTENSION, blood/ ISOFLUOROPHATE/ METHODS/ NEOMYCIN/ QUINOLINES/ RADIOIMMUNOASSAY/ *RENIN, blood/ TEMPERATURE/ TIME FACTORS
3274. Sears RT: Some aspects of modern antenatal care. *Nurs Mirror* 137:13-8, 5 Oct 73
- CHROMOSOME ABNORMALITIES, diagnosis/ METABOLISM, INBORN ERRORS, diagnosis/ PLACENTA DISORDERS, diagnosis/ PRENATAL CARE/ SPECIAL LIST NURSING
3275. Seavey BK, Singh RN, Lindsey TT, et al: Comparison of the tryptic peptides of human, porcine and ovine prolactins. *Gen Comp Endocrinol* 21:358-67, Oct 73
- AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ ELECTROPHORESIS/ HUMAN/ PEPTIDES, analysis/ *PEPTIDES, isolation & purification/ *PROLACTIN, analysis/ SHEEP/ SWINE
3276. Sedlaczek L, Jaworski A, Pajkowska H, et al: The effect of substrates and products of steroid hioconversion on microorganism metaholism. *Acta Microbiol Pol [B]* 5:163-70, 1973
- AMINO ACIDS, metaholism/ ASPERGILLUS, metaholism/ CARBON RADIOISOTOPES/ CULTURE MEDIA/ DEUTEROMYCETES, metaholism/ FUSARIUM, metaholism/ GLUCOSE, metaholism/ *HYDROCORTISONE, metaholism/ HYDROCORTISONE, pharmacodynamics/ HYDROXYLATION/ MONOSPORIUM, metaholism/ OXYGEN CONSUMPTION, drug effects/ TIME FACTORS
3277. Seferowicz E, Rubisz-Brzezińska J: Pustulosis palmaris et plantaris jako problem leczniczy. *Przegl Dermatol* 60:391-6, May-Jun 73 (Pol)
- ACRODERMATITIS, diagnosis/ ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ ECTHYMA, CONTAGIOUS, diagnosis/ *ECTHYMA, CONTAGIOUS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ *HAND DERMATOSES, drug therapy/ HUMAN/ MALE/ MIDDLE AGE
3278. Segal DH, Baker RD: Maintenance of corpora lutea in prepuberal gilts. *J Anim Sci* 37:762-7, Sep 73
- ANIMAL EXPERIMENTS/ CORPUS LUTEUM, analysis/ CORPUS LUTEUM, anatomy & histology/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, physiology/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ FERTILIZATION, drug effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYSTERECTOMY/ INSEMINATION, ARTIFICIAL/ MALE/ ORGAN WEIGHT/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, analysis/ PUBERTY/ SPERMATOZOA, drug effects/ *SWINE, physiology/ UTERUS, anatomy & histology/ UTERUS, drug effects
3279. Segal S, Nishimi M, Ornoy A: [Rubella in pregnancy. Correlation of serological diagnosis with fetal and placental pathology] *Harefuah* 85:114-7, 1 Aug 73 (Heb)
- ABNORMALITIES, etiology/ ABORTION, THERAPEUTIC/ DISEASE OUTBREAKS/ ENGLISH ABSTRACT/ FEMALE/ *FETAL DISEASES, etiology/ HUMAN/ ISRAEL/ PLACENTA DISORDERS, etiology/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS, immunology/ *PREGNANCY COMPLICATIONS, INFECTIOUS, pathology/ *RUBELLA, complications/ RUBELLA, immunology/ RUBELLA VIRUS, pathogenicity

AUTHOR SECTION

3280. Sege D, Siebenmann RE: Riesiges Uterusmyom beim kongenitalen adrenogenitalen Syndrom. Schweiz Med Wochenschr 103:1743-9, 8 Dec 73 (Ger)
*ADRENOGENITAL SYNDROME, complications/ ADRENOGENITAL SYNDROME, congenital/ ADRENOGENITAL SYNDROME, diagnosis/ AGED/ ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ *LEIOMYOMA, etiology/ LEIOMYOMA, pathology/ LEIOMYOMA, surgery/ OVARY, pathology/ PSEUDOHERMAPHRODITISM, complications/ TIME FACTORS/ *UTERINE NEOPLASMS, etiology/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, surgery
3281. Seidel D, Wieland H: Biochemical and clinical aspects of various lipoprotein patterns. Ann Biol Clin (Paris) 31:87-90, 1973
ACYLTRANSFERASES, blood/ AMINO ACIDS, blood/ APOPROTEINS, blood/ CHOLESTEROL/ HYPERLIPEMIA, blood/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ JAUNDICE, obstructive, blood/ LECITHINS/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ METABOLISM, INBORN ERRORS, blood/ PEPTIDES, blood
3282. Selger A, Olson L: Late prenatal ontogeny of central monoamine neurons in the rat: Fluorescence histochemical observations. Z Anat Entwicklungs gesch 140:281-318, 30 Aug 73
ANIMAL EXPERIMENTS/ *BRAIN, embryology/ DOPAMINE, analysis/ FEMALE/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ *NEURONS/ NEURONS, analysis/ NOREPINEPHRINE, analysis/ PREGNANCY/ RATS/ SEROTONIN, analysis
3283. Sekadde CB, Slaunwhite WR Jr, Aceto T Jr: Rapid radioimmunoassay of triiodothyronine. Clin Chem 19:1016-21, Sep 73
COMPARATIVE STUDY/ CROSS REACTIONS/ EVALUATION STUDIES/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ KINETICS/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THYROID GLAND, metabolism/ THYROIDITIS, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood
3284. Selroos O, Sellergren TL, Vuorio M, et al: Sarcoidosis in identical twins. Observations on the course of treated and untreated identical diseases. Am Rev Respir Dis 108:1401-6, Dec 73
ADULT/ CALCIUM, urine/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ LUNG DISEASES, drug therapy/ *LUNG DISEASES, familial & genetic/ LUNG DISEASES, radiography/ LUNG DISEASES, urine/ LYMPHATIC DISEASES, drug therapy/ *LYMPHATIC DISEASES, familial & genetic/ LYMPHATIC DISEASES, radiography/ LYMPHATIC DISEASES, urine/ PREDNISONE, therapeutic use/ SARCOIDOSIS, drug therapy/ *SARCOIDOSIS, familial & genetic/ SARCOIDOSIS, radiography/ SARCOIDOSIS, urine/ TUBERCULIN TEST
3285. Selye H: Prophylaxe verschiedener experimenteller Herz- und Gefäßkrankheiten durch katatoxische Steroide (Referat). Verh Dtsch Ges Kreislaufforsch 56:215-7, 1972 (Ger)
CARDIOVASCULAR DISEASES, etiology/ *CARDIOVASCULAR DISEASES, prevention & control/ CATECHOLAMINES, adverse effects/ *CATECHOLAMINES, therapeutic use/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, adverse effects/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MINERALOCORTICOIDS, adverse effects/ *MINERALOCORTICOIDS, therapeutic use/ STRESS, PSYCHOLOGICAL
3286. Selye H: Beteiligung der Steroide bei der Genese arzneimittelbedingter morphologischer Veränderungen (Referat). Verh Dtsch Ges Kreislaufforsch 56:191-4, 1972 (Ger)
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ ANTIBODY FORMATION, drug effects/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ *IMMUNITY, drug effects
3287. Seman G, Dmochowski L: Electron microscope observation of viruslike particles in comedocarcinoma of the human breast. Cancer 32:822-9, Oct 73
BIOPSY/ *BREAST NEOPLASMS, microbiology/ C-TYPE VIRUSES, isolation & purification/ *CARCINOMA, DUCTAL, microbiology/ CASE REPORT/ ENDOPLASMIC RETICULUM, microbiology/ FEMALE/ HUMAN/ *INCLUSION BODIES, VIRAL/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ THYROIDITIS, LYMPHOMATOUS, complications
3288. Semenova KA, Zhukovskaya ED: K obosnovaniyu nekotorykh metodov vosstanovitel'noi terapii v rannei i nachal'noirezidual'noi stadii detskogo tserebral'nogo paralicha. Zb Nevropatol Psikhlatr 73:371-7, 1973 (Rus)
ACID-BASE EQUILIBRIUM/ CEREBRAL PALSY, complications/ CEREBRAL PALSY, drug therapy/ *CEREBRAL PALSY, rehabilitation/ CORTICOTROPIN, therapeutic use/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ EXERCISE THERAPY/ HUMAN/ HYDROCEPHALUS, complications/ HYDROCEPHALUS, drug therapy/ INFANT/ INFANT, NEWBORN/ NYSTAGMUS, complications/ NYSTAGMUS, congenital/ NYSTAGMUS, drug therapy/ PYROGENS, therapeutic use/ VITAMIN B 12, therapeutic use
3289. Sen HG, Deb BN: Effect of cortisone upon serial passage with the human hookworm, Necator americanus in golden hamsters, Mesocricetus auratus. Indian J Med Res 61:486-94, Apr 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ FECES/ HAMSTERS/ *HOOKWORM INFECTIONS, etiology/ HOOKWORM INFECTIONS, immunology/ HOOKWORM INFECTIONS, pathology/ *HYDROCORTISONE/ INTESTINE, SMALL, pathology/ *NECATOR/ PARASITE EGG COUNT
3290. Sen KK, Talwar GP: Similarities and differences in the binding of oestradiol-17beta to rat oviduct and uterus. J Reprod Fertil 35:369-72, Nov 73
ANIMAL EXPERIMENTS/ BINDING SITES/ CHROMATOGRAPHY, THIN LAYER/ DIETHYLSTILBESTROL, metabolism/ *ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/ *OVIDUCTS, metabolism/ PROGESTERONE, metabolism/ RATS/ TESTOSTERONE, metabolism/ TRITIUM/ *UTERUS, metabolism
3291. Sen Gupta J, Dey SK, Deb C: Dehydrogenases in the prepubertal rat ovary: a histochemical study of delta-5-3 beta-hydroxysteroid dehydrogenase and enzymes of carbohydrate oxidation following oxythiamine treatment. Acta Endocrinol (Kbh) 73:759-70, Aug 73
ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL EXPERIMENTS/ *ANTIMETABOLITES, pharmacodynamics/ ASCORBIC ACID, metabolism/ HYDROCHLORIC ACID/ HYDROGEN-ION CONCENTRATION/ MALE/ NADH, NADPH OXIDOREDUCTASES, metabolism/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ *OVARY, enzymology/ OVARY, pathology/ *OXIDOREDUCTASES, metabolism/ PYRIMIDINES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ SUCCINATE DEHYDROGENASE, metabolism/ *THIAZOLES, pharmacodynamics/ UTERUS, anatomy & histology/ UTERUS, drug effects

AUTHOR SECTION

3292. Senanayake N, Nimalasuriya A, Chanmugam D: A case of acromegaly with hemiplegia. Ceylon Med J 17:164-7, Sep 72
*ACROMEGALY, complications/ FEMALE/
*HEMIPLEGIA, etiology/ HUMAN/ MIDDLE AGE
3293. Senft AW, Hillman GR: Effect of hycanthone, nifedazole, and antimony tartrate on schistosoma motility. Am J Trop Med Hyg 22:734-42, Nov 73
ALCOHOL, METHYL, therapeutic use/
ANIMAL EXPERIMENTS/ *ANTHELMINTICS, pharmacodynamics/ ANTHELMINTICS, toxicity/
*ANTIMONY, pharmacodynamics/
BIOMPHALARIA/ COMPUTERS, DIGITAL/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*ETHYLENEDIAMINES, pharmacodynamics/
FIBER OPTICS/ MOVEMENT, drug effects/
*NIRIDAZOLE, pharmacodynamics/
PARASITOLOGY, instrumentation/ PUERTO RICO/ *SCHISTOSOMA MANSONI, drug effects/ SCHISTOSOMA MANSONI, physiology/
SCHISTOSOMICIDES, therapeutic use/
*SEROTONIN, pharmacodynamics/ SEROTONIN, physiology/ *THIOXANTHENES, pharmacodynamics
3294. Senge T, Richter KD, Rels HE: Menschliche Prostataheterotransplantate im Experiment. Ein Beitrag zu morphologischen, histochemischen und hormonalen Untersuchungen. Urol Int 28:345-9, 1973 (Ger)
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM/ ENGLISH ABSTRACT/ EPITHELIAL CELLS/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MUCOPOLYSACCHARIDES, metabolism/
PROSTATE, cytology/ PROSTATE, drug effects/ PROSTATE, enzymology/ PROSTATE, metabolism/ *PROSTATE, transplantation/
*PROSTATIC HYPERTROPHY/ RATS/ SUCCINATE DEHYDROGENASE, metabolism/
TESTOSTERONE, pharmacodynamics/
*TRANSPLANTATION, HETEROLOGOUS
3295. Sengupta S, Prathap K: Radiation necrosis of the humerus. A report of three cases. Acta Radiol [Ther] (Stockh) 12:313-20, Aug 73
AGED/ BIOPSY/ BONE DEVELOPMENT, radiation effects/ *BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, therapy/
*CARCINOMA, radiotherapy/ *CARCINOMA, SCIRRHUS, radiotherapy/ FEMALE/
FRACTURES, SPONTANEOUS, etiology/
HUMAN/ HUMERUS, pathology/ *HUMERUS, radiation effects/ MASTECTOMY/ MIDDLE AGE/ *NECROSIS, etiology/ OSTEOPOROSIS, etiology/ *RADIATION INJURIES/
*RADIOTHERAPY, adverse effects/
RADIOTHERAPY DOSAGE/ SCLEROSIS
3296. Senn HJ: Zur Therapie des fortgeschrittenen, inoperablen Ovarialkarzinoms. Ther Umsch 30:651-6, Sep 73 (Ger)
CASTRATION/ CLINICAL RESEARCH/
CYCLOPHOSPHAMIDE, therapeutic use/
DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ OVARIAN NEOPLASMS, radiotherapy/ *OVARIAN NEOPLASMS, therapy/ PROGESTERONE, therapeutic use
3297. Senturia BH: External otitis, acute diffuse. Evaluation of therapy. Ann Otol Rhinol Laryngol 82:1-23, Sep-Oct 73
ACUTE DISEASE/ ADOLESCENCE/ ADULT/
ANTIBIOTICS, administration & dosage/
*ANTIBIOTICS, therapeutic use/ BACTERIA, isolation & purification/ CHILD/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ DRUG RESISTANCE, MICROBIAL/ EVALUATION STUDIES/ FEMALE/ GLUCOCORTICOIDS, administration & dosage/
GLUCOCORTICOIDS, therapeutic use/
HUMAN/ MALE/ MICROBIAL SENSITIVITY TESTS/ MIDDLE AGE/ OTITIS EXTERNA, classification/ OTITIS EXTERNA, diagnosis/
*OTITIS EXTERNA, drug therapy/ OTITIS EXTERNA, microbiology/ PROGNOSIS
3298. Senzer N, Aceto T Jr, Cohen MM, et al: Isochromosome X. Clinical and psychological findings. Am J Dis Child 126:312-6, Sep 73
ADOLESCENCE/ AORTIC COARCTATION, familial & genetic/ AUTORADIOGRAPHY/
BONE AND BONES, abnormalities/ CHILD/
CHILD BEHAVIOR DISORDERS, familial & genetic/ CYTOLOGICAL TECHNIQS/
FEMALE/ FIBROBLASTS, cytology/ GROWTH DISORDERS, familial & genetic/ HUMAN/
INTELLIGENCE TESTS/ KARYOTYPING/
LYMPHOCYTES, cytology/ MEMORY FOR DESIGNS TEST/ NEVUS, PIGMENTED, familial & genetic/ OBESITY, familial & genetic/ PHENOTYPE/ SEX CHARACTERISTICS/ SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES/ SKIN, cytology/ STERILITY, FEMALE, familial & genetic/ STRABISMUS, familial & genetic/
VISUAL PERCEPTION
3299. Serafin D, Kutz JE, Kleinert HE: Replantation of a completely amputated distal thumb without venous anastomosis. Case report. Plast Reconstr Surg 52:579-82, Nov 73
ADOLESCENCE/ *AMPUTATION, TRAUMATIC/ ARTERIES, surgery/ BONE AND BONES, surgery/ BONE NAILS/ CASE REPORT/ HUMAN/ MALE/ MICROSURGERY/
*REIMPLANTATION/ SUTURE TECHNIQS/
TEMPERATURE/ THROMBOPHLEBITIS, prevention & control/ THUMB, blood supply/
*THUMB, surgery/ VEINS
3300. Sergeev PV, Maiskii AI, Seredinin SP: Issledovanie mekhanizma regulatsii fermentativnoi aktivnosti v matke krysa estradiolom. Probl Endokrinol (Mosk) 19:83-6, Sep-Oct 73 (Rus)
ACID PHOSPHATASE, metabolism/
ALDOLASE, metabolism/
AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/
ESTRADIOL, administration & dosage/
*ESTRADIOL, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ RATS/ *UTERUS, enzymology
3301. Serrou B, Solassol C, Michel H, et al: Eight- and twenty-four-hour canine pancreas preservations using a simple gel cooling technique. Transplantation 16:398-402, Nov 73
ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ AZATHIOPRINE, therapeutic use/ CARRAGEENAN, analysis/ COLD/ DOGS/
GELATIN, analysis/ GELS/ GLUCURONIDASE, analysis/ HISTOCOMPATIBILITY TESTING/
IMMUNOSUPPRESSION/
METHYLPREDNISOLONE, therapeutic use/
*PANCREAS, transplantation/
POLYSACCHARIDES/ PROTEINS/ TIME FACTORS/ *TISSUE PRESERVATION/
TRANSPLANTATION, HOMOLOGOUS
3302. Seshan KR, Levi-Montalcini R: Neuronal properties of nymphal and adult insect neurosecretory cells in vitro. Science 182:291-3, 19 Oct 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
AXONS/ CELLS, CULTURED/
*COCKROACHES, anatomy & histology/
MICROSCOPY, ELECTRON/ NEURONS, cytology/ *NEUROSECRETORY SYSTEMS, cytology/ NEUROSECRETORY SYSTEMS, growth & development/ STAINS AND STAINING
3303. Setchell KD, Shackleton CH: The group separation of plasma and urinary steroids by column chromatography on sephadex LH-20. Clin Chim Acta 47:381-8, 14 Sep 73
ADULT/ ANDROSTANES, urine/
ANDROSTERONE, urine/ CHOLESTEROL, blood/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/
CORTICOSTERONE, blood/
CORTICOSTERONE, urine/ CORTISONE, blood/ ETIOCHOLANOLONE, urine/
EVALUATION STUDIES/ FEMALE/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/
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AUTHOR SECTION

- METHODS/ PREGNANEDIOL, urine/
PROGESTERONE, blood/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*STERIODS, analysis
3304. Seth J: Work simplification of a competitive protein binding analysis for serum thyroxine. A study of some analytical variables affecting accuracy and precision. *Clin Chim Acta* 46:443-53, 27 Jul 73
BINDING, COMPETITIVE/ BUFFERS/
COMPARATIVE STUDY/ DRUG STABILITY/
EDTA/ EVALUATION STUDIES/ GEL
FILTRATION/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INDICATORS AND
REAGENTS/ IODINE RADIOISOTOPES/
METHODS/ OSMOLAR CONCENTRATION/
PROTEIN BINDING/ SALICYLATES/ SERUM
ALBUMIN/ SOLVENTS/ *THYROXINE, blood/
TIME FACTORS
3305. Seth J: Work simplification of a competitive protein binding analysis for serum thyroxine, and a study of some laboratory factors affecting assay results. *Clin Chim Acta* 46:431-41, 27 Jul 73
AUTOANALYSIS/ BINDING, COMPETITIVE/
COMPARATIVE STUDY/ COSTS AND COST
ANALYSIS/ DRUG STABILITY/
EVALUATION STUDIES/ FREEZING/ GEL
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HYPOTHYROIDISM, blood/ IODINE
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BINDING/ PROTEIN-BOUND IODINE TEST/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TEMPERATURE/ THYROID GLAND,
metabolism/ *THYROXINE, blood/ TIME
FACTORS
3306. Seth PK, Pera F, Hilwig I, et al: Fluorescence banding pattern of the chromosomes of *Microtus agrestis* with a benzimidazol derivative. *Humangenetik* 19:129-34, 20 Jul 73
ANIMAL EXPERIMENTS/ BENZIMIDAZOLES/
CELL NUCLEUS/ CELLS, CULTURED/
CHROMOSOMES/ FEMALE/ FIBROBLASTS/
FLUORESCENCE/ HETEROCHROMATIN/
*KARYOTYPING/ KIDNEY/ MALE/
METHODS/ MITOSIS/ QUINACRINE/
*RODENTS/ SEX CHROMOSOMES, analysis/
STAINS AND STAINING
3307. Setley A, Moene Y, Revol M, et al: Données de l'E.E.G. dans les tumeurs de la région pinéale. *Rev Otonéuroophthalmol* 45:31-2, Jan-Feb 73 (Fre)
ADOLESCENCE/ ADULT/ CHILD/ CHILD,
PRESCHOOL/ COMPARATIVE STUDY/
*ELECTROENCEPHALOGRAPHY/ FEMALE/
HUMAN/ INFANT/ MALE/ *PINEALOMA,
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3308. Severs WB, Daniels-Severs AE: Effects of angiotensin on the central nervous system. *Pharmacol Rev* 25:415-49, Sep 73 (182 ref.)
ANGIOTENSIN, administration & dosage/
ANGIOTENSIN, antagonists & inhibitors/
ANGIOTENSIN, metabolism/ *ANGIOTENSIN,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BLOOD PRESSURE, drug effects/ BRAIN,
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drug effects/ CATS/ *CENTRAL NERVOUS
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PRESSORECEPTORS, drug effects/ RABBITS/
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effects/ RECEPTORS, CHOLINERGIC, drug
effects/ RENIN, metabolism/ REVIEW
3309. Seyss R: Korrelation radiologischer Untersuchungsmethoden der Schilddrüse. *Radiol Clin Biol* 42:455-9, 1973 (Ger)
ENGLISH ABSTRACT/ *RADIOISOTOPE
SCANNING/ *THYROID DISEASES, diagnosis/
THYROID DISEASES, radiography/
TRACHEA, radiography
3310. Shaaban MM, Klopper A: A study on the monitoring of gonadotrophin therapy by the assay of plasma oestradiol and progesterone. *J Obstet Gynaecol Br Commonw* 80:783-93, Sep 73
ADULT/ AMENORRHEA, drug therapy/
*ESTRADIOL, blood/ ESTRONE, urine/
FEMALE/ GONADOTROPINS, CHORIONIC,
administration & dosage/ *GONADOTROPINS,
CHORIONIC, therapeutic use/ HUMAN/
MENOTROPINS, administration & dosage/
*MENOTROPINS, therapeutic use/
OVULATION, drug effects/ PREGNANEDIOL,
urine/ *PROGESTERONE, blood/
RADIOIMMUNOASSAY
3311. Shaaban MM, Klopper A: Plasma oestradiol and progesterone concentration in the normal menstrual cycle. *J Obstet Gynaecol Br Commonw* 80:776-82, Sep 73
ADULT/ BODY TEMPERATURE/
ESTRADIOL, blood/ FEMALE/ HUMAN/
*MENSTRUATION/ OVULATION/
*PROGESTERONE, blood/
RADIOIMMUNOASSAY/ TIME FACTORS
3312. Shackelford PG, Feigin RD: Periodicity of susceptibility to pneumococcal infection: influence of light and adrenocortical secretions. *Science* 182:285-7, 19 Oct 73
*ADRENAL CORTX HORMONES, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*CIRCADIAN RHYTHM/ CORTICOSTERONE,
blood/ DARKNESS/ DIPLOCOCCUS
PNEUMONIAE, pathogenicity/ *LIGHT/ MALE/
MICE/ PNEUMOCOCCAL INFECTIONS, blood/
PNEUMOCOCCAL INFECTIONS, microbiology/
*PNEUMOCOCCAL INFECTIONS, mortality
3313. Shah JH, Cerchio GM: Hypoinsulinemia of hypothyroidism. *Arch Intern Med* 132:857-61, Nov 73
ADULT/ AGED/ BLOOD PROTEINS/ BLOOD
SUGAR, analysis/ CHOLESTEROL, blood/
DIET/ FASTING/ FEMALE/ GLUCOSE
TOLERANCE TEST/ HUMAN/
HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, drug therapy/
*HYPOTHYROIDISM, physiopathology/
INJECTIONS, INTRAVENOUS/ *INSULIN,
blood/ IODINE, blood/ MALE/ MIDDLE AGE/
PROTEIN BINDING/ THYROXINE, blood
3314. Shah K, Astley R, Cameron AH: Thanatophoric dwarfism. *J Oral Surg* 10:243-52, Sep 73
ACHONDROPLASIA, diagnosis/ ADULT/
AUTOPSY/ *AUTOSOME ABNORMALITIES/
AUTOSOME ABNORMALITIES, diagnosis/
AUTOSOME ABNORMALITIES, pathology/
AUTOSOME ABNORMALITIES, radiography/
BONE AND BONES, pathology/
*CRANIOFACIAL DYSOSTOSIS/
CRANIOFACIAL DYSOSTOSIS, diagnosis/
CRANIOFACIAL DYSOSTOSIS, pathology/
CRANIOFACIAL DYSOSTOSIS, radiography/
DIAGNOSIS, DIFFERENTIAL/ *DWARFISM/
DWARFISM, diagnosis/ DWARFISM, pathology/
DWARFISM, radiography/ FEMALE/ FETAL
DEATH/ HUMAN/ INFANT, NEWBORN/
OSSIFICATION, PATHOLOGIC/ PREGNANCY/
SKULL, abnormalities
3315. Shaposhnikova NF, Pollakov NF: Nukleinovye kisloty v tsilarnom épiteli krolika v norme i pri vozdeistvii kh na gipotalamus. *Vestn Oftalmol* 5:86-8, 1972 (Rus)
ANIMAL EXPERIMENTS/ *CILARY BODY,
metabolism/ CYTOPLASM, metabolism/
DENSITOMETRY/ ELECTRIC STIMULATION/
ENGLISH ABSTRACT/ *HYPOTHALAMUS,
physiology/ *NUCLEIC ACIDS, metabolism/
RABBITS
3316. Shariff FK, Horoupian D, Greenlaw RK: Artrogryposis multiplex congenita. *Clin Orthop* 94:263-7, Jul-Aug 73
*ABNORMALITIES, MULTIPLE/
ADOLESCENCE/ ALKALINE PHOSPHATASE,
blood/ AMINO ACIDS, metabolism/
*ARTHROGRYPOSIS/ ARTHROGRYPOSIS,
pathology/ AUTOSOME ABNORMALITIES/
BIOPSY/ BLOOD SUGAR, analysis/

AUTHOR SECTION

- CREATININE, urine/ *DISEASES IN TWINS/
GENES, RECESSIVE/ HUMAN/
HYDROCEPHALUS, pathology/
HYDROXYPROLINE, urine/ INFANT,
NEWBORN/ KARYOTYPING/
17-KETOSTEROIDS, urine/ LACTATE
DEHYDROGENASE, blood/ MALE/ MUTATION
3317. Sharma B, Sharma RP, Prakash R: Enhancement of ethylemethane sulfonate-induced frequency in *Drosophila* by dimethyl sulphoxide. *Experientia* 29:1029-30, 15 Aug 73
ANIMAL EXPERIMENTS/ *DIMETHYL SULFOXIDE, pharmacodynamics/
*DROSOPHILA MELANOGASTER, drug effects/ DRUG SYNERGISM/ FEMALE/ GENES, LETHAL, drug effects/ LINKAGE (GENETICS)/ MALE/
*METHANESULFONATES, pharmacodynamics/ MUTAGENS, pharmacodynamics/ *MUTATION, drug effects/ SEX CHROMOSOMES, drug effects
3318. Sharma DP, Venkatasubramanian TA: Adrenal lipids in pregnancy. *J Reprod Fertil* 35:195-8, Oct 73
ACETATES, metabolism/ *ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GLYCERIDES, analysis/ GUINEA PIGS/ *LIPIDS, analysis/ PHOSPHOLIPIDS, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL
3319. Sharma DP, Venkatasubramanian TA: Ovarian lipids in guinea-pigs. *J Reprod Fertil* 35:191-2, Oct 73
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ CHOLESTEROL, analysis/ FEMALE/ GLYCERIDES, analysis/ GUINEA PIGS/ *LIPIDS, analysis/ *OVARY, analysis/ PHOSPHOLIPIDS, analysis/ PREGNANCY
3320. Sharma JM, Witter RL, Burmester BK: Pathogenesis of Marek's disease in old chickens: lesion regression as the basis for age-related resistance. *Infect Immun* 8:715-24, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANTIBODIES, VIRAL, analysis/ BLOOD, microbiology/ *CHICKENS, immunology/ FLUORESCENT ANTIBODY TECHNIC/ GONADS, pathology/ HERPESVIRUS, immunology/ HERPESVIRUS, pathogenicity/ *IMMUNITY/ *MAREK'S DISEASE, etiology/ MAREK'S DISEASE, immunology/ MAREK'S DISEASE, pathology/ PRECIPITIN TESTS/ SCIATIC NERVE, pathology/ VAGUS NERVE, pathology
3321. Sharma S: Studies on the urophysis and the caudal neurosecretory system in a teleost, *Ompok bimaculatus* (Bloch). *Acta Anat (Basel)* 88:83-95, 1973
ANIMAL EXPERIMENTS/ AXONS, cytology/ CELL NUCLEOLUS/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ CYTOPLASM/ *FISHES, anatomy & histology/ HISTOCYTOCHEMISTRY/ *NEUROSECRETORY SYSTEMS, anatomy & histology/ REPRODUCTION/ RNA, analysis/ SEASONS/ SPINAL CORD, blood supply/ SPINAL CORD, cytology
3322. Sharpe RM, Choudhury SA, Brown PS: The effect of handling weanling rats on their usefulness in subsequent assays of follicle-stimulating hormone. *Lab Anim* 7:311-4, Sep 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ FEMALE/ FSH, administration & dosage/ *FSH, analysis/ FSH, pharmacodynamics/ *HANDLING (PSYCHOLOGY)/ INJECTIONS, SUBCUTANEOUS/ OVARY, drug effects/ *RATS, physiology/ RODENT DISEASES, prevention & control/ STRESS, prevention & control/ STRESS, veterinary/ WEANING
3323. Sheagren JN, Simon HE, Rich RR: Therapy of sarcoidosis initiated with alternate-day prednisone. *J Natl Med Assoc* 65:391-8, Sep 73
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OBESITY, chemically induced/ PREDNISOLONE/ *PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ *SARCROIDOSIS, drug therapy
3324. Sheld B, Lu T, Nelson JH Jr: Transfer RNA methylase and transfer RNA methylase-inhibitor activity in normal and malignant human ovarian tissue. *Cancer Res* 33:2518-23, Oct 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ GUANINE, biosynthesis/ HUMAN/ METHYLATION/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, enzymology/ *OVARY, enzymology/ RABBITS/ RNA, TRANSFER, metabolism/ RNA, TRANSFER, METHYLTRANSFERASES, antagonists & inhibitors/ *RNA, TRANSFER, METHYLTRANSFERASES, metabolism
3325. Sheldon P, Beer TC: Synovitis of the knee treated by intra-articular hydrocortisone acetate, hydrocortisone acetate plus saline, or saline alone. A double-blind trial. *Rheumatol Phys Med* 12:37-41, Feb 73
CLINICAL RESEARCH/ COMPARATIVE STUDY/ HUMAN/ *HYDROCORTISONE, TOPICAL, administration & dosage/ HYDROCORTISONE, TOPICAL, therapeutic use/ INJECTIONS, INTRA-ARTICULAR/ *KNEE JOINT/ MOVEMENT/ PAIN, drug therapy/ SKIN TEMPERATURE/ *SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, therapeutic use/ *SYNOVITIS, drug therapy
3326. Sherlock S: Chronic hepatitis B antigen disease. *J R Coll Physicians Lond* 8:24-30, Oct 73 (19 ref.)
ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBODY FORMATION/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENIC DETERMINANTS/ *AUSTRALIA ANTIGEN, isolation & purification/ CARRIER STATE/ CHRONIC DISEASE/ COMPLEMENT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HEMODIALYSIS, adverse effects/ *HEPATITIS, HOMOLOGOUS SERUM, diagnosis/ HEPATITIS, HOMOLOGOUS SERUM, drug therapy/ HEPATITIS, HOMOLOGOUS SERUM, etiology/ HEPATITIS, HOMOLOGOUS SERUM, immunology/ HEPATITIS, HOMOLOGOUS SERUM, pathology/ HUMAN/ IMMUNOGLOBULINS, isolation & purification/ KIDNEY FAILURE, CHRONIC, complications/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ PROGNOSIS/ REVIEW
3327. Sherman FP, Ciavarrá VA, Cohen MJ: Testis tumors in Negroes. *Urology* 2:318-20, Sep 73
ADULT/ HUMAN/ MALE/ *NEGROES/ PROGNOSIS/ RACIAL STOCKS/ TERATOID TUMOR, complications/ *TERATOID TUMOR, diagnosis/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS, complications/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery/ TUBERCULOSIS, PULMONARY, complications/ UROGRAPHY/ VINBLASTINE, therapeutic use
3328. Shevchenko IB, Markov VV: Svlaz' mezhdunarushenlem sostolaniia pecheni i funktsiei shchitovidnoi zhelezy u hol'nykh sakharnym diaetom. *Vrach Delo* 6:64-6, Jun 73 (Rus)
*DIABETES MELLITUS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ *LIVER, physiopathology/ MALE/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, physiopathology/ THYROXINE, metabolism
3329. Shevchenko IT, Kovalenko NN: Rezektsiia legkogo s

AUTHOR SECTION

- suboperatsionnym oblicheniem po povodu raka u
hol'nogo diltel'no lechivshegosia gliukokortikoidami.
Klin Khir 1:65-6, Jan 73 (Rus)
- DIAGNOSTIC ERRORS/ *GLUCOCORTICOIDS,
therapeutic use/ HUMAN/ LUNG
NEOPLASMS, radiotherapy/ *LUNG
NEOPLASMS, surgery/ MALE/ MIDDLE AGE/
PNEUMONIA, diagnosis/ PNEUMONIA, drug
therapy
3330. Shimada M, Nakamura T: Time of neuron origin in
mouse hypothalamic nuclei.
Exp Neurol 41:163-73, Oct 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ *CELL
DIFFERENTIATION/ GESTATIONAL AGE/
HYPOTHALAMUS, cytology/
*HYPOTHALAMUS, embryology/ MICE/
*NEURONS/ THYMIDINE, metabolism/
TRITIUM
3331. Shimizu N: [Aldosterone (including urinary
analysis)--interpretation of the test results]
Jap J Clin Med 31:1522-31, 1973 (Jap)
*ALDOSTERONE, blood/ ALDOSTERONE,
urine/ HUMAN
3332. Shimkin PM, Feldman MG, Heath DA: Parathyroid
dysfunction, parathyroid hormone assay, and the
surgeon. Am J Surg 126:534-8, Oct 73
*ADENOMA, diagnosis/ ADENOMA, surgery/
BLOOD SPECIMEN COLLECTION/
CATHETERIZATION/ DIAGNOSIS,
DIFFERENTIAL/ *HYPERCALCEMIA, etiology/
*HYPERPARATHYROIDISM, diagnosis/
HYPERPARATHYROIDISM, surgery/
METHODS/ PARATHYROID GLANDS, blood
supply/ *PARATHYROID HORMONE, blood/
*PARATHYROID NEOPLASMS, diagnosis/
PARATHYROID NEOPLASMS, surgery/
RADIOIMMUNOASSAY/ THYROID GLAND,
blood supply/ VEINS
3333. Shine I, Lal S: Letter: Prostaglandin E2 and sickling.
N Engl J Med 289:1040, 8 Nov 73
*ANEMIA, SICKLE CELL, chemically induced/
HUMAN/ IN VITRO/ *PROSTAGLANDINS,
adverse effects
3334. Shinitzky M, Inbar M, Sachs L: Rotational diffusion of
lectins bound to the surface membrane of normal
lymphocytes. FEBS Lett 34:247-50, 15 Aug 73
ANIMAL EXPERIMENTS/ CELL MEMBRANE,
metabolism/ *CONCANAVALIN A, metabolism/
FLUORESCENCE/ GALACTOSAMINE/
GLUCOSAMINE/ GLYCOSIDES/ KINETICS/
*LYMPHOCYTES, metabolism/ MALE/
MANNOSE/ MATHEMATICS/ MICROSCOPY,
FLUORESCENCE/ *PLANT AGGLUTININS,
metabolism/ RATS/ RECEPTORS, DRUG/ SOY
BEANS/ SPECTROMETRY, FLUORESCENCE/
THIOCYANATES/ TIME FACTORS/ WHEAT
3335. Shire JG: Growth hormone and premature aging.
Nature 245:215-6, 28 Sep 73
*AGING/ ANIMAL EXPERIMENTS/
DWARFISM, PITUITARY, familial & genetic/
DWARFISM, PITUITARY, metabolism/
*DWARFISM, PITUITARY, veterinary/
FEMALE/ HOMOZYGOTE/ MALE/ MICE/
MUTATION/ PITUITARY GLAND, metabolism/
RODENT DISEASES, familial & genetic/
*RODENT DISEASES, metabolism/
*SOMATOTROPIN, biosynthesis
3336. Shishov VI: Sostoiannie funktsii kory nadpochechnikov
pri khronicheskom alkogolizme.
Zh Nevropatol Psikhiatr 73:235-8, 1973 (Rus)
*ADRENAL GLANDS, physiopathology/
ADULT/ ALCOHOLISM, blood/
ALCOHOLISM, physiopathology/ ALCOHOLISM,
urine/ ALDOSTERONE, urine/ CHRONIC
DISEASE/ CORTICOTROPIN, diagnostic use/
ENGLISH ABSTRACT/ HUMAN/
11-HYDROXYCORTICOSTEROIDS, blood/
MIDDLE AGE/ POTASSIUM, metabolism/
SALIVA, metabolism/ SODIUM, metabolism
3337. Shoemaker JP, Hoffman RV Jr: Failure of holothurin to
significantly affect Chagas' disease in mice.
- J Parasitol 59:929-30, Oct 73
ANIMAL EXPERIMENTS/ ECHINODERMATA/
EVALUATION STUDIES/ FEMALE/
INJECTIONS, SUBCUTANEOUS/ MALE/
MICE/ MICE, INBRED C3H/ *SAPONINS,
administration & dosage/ STEROIDS,
administration & dosage/ TOXINS,
administration & dosage/ TRYPANOSOMA
CRUZI, isolation & purification/
TRYPANOSOMIASIS, SOUTH AMERICAN,
blood/ *TRYPANOSOMIASIS, SOUTH
AMERICAN, drug therapy/
TRYPANOSOMIASIS, SOUTH AMERICAN,
mortality
3338. Shoji S, Sugita H: [Creatine phosphokinase
(CPK)--interpretation of the test results]
Jap J Clin Med 31:1808-14, 1973 (40 ref.) (Jap)
ANESTHESIA/ CENTRAL NERVOUS SYSTEM
DISEASES, enzymology/ *CREATINE KINASE,
blood/ CREATINE KINASE, cerebrospinal
fluid/ ENDOCRINE DISEASES, enzymology/
HEART DISEASES, enzymology/ HUMAN/
ISOENZYMES, blood/ MENTAL DISORDERS,
enzymology/ METHODS/ MUSCULAR
DYSTROPHY, enzymology/ MYOSITIS,
enzymology/ NEUROMUSCULAR DISEASES,
enzymology/ REVIEW
3339. Shopsin B, Shenkman L, Blum M, et al: Iodine and
lithium-induced hypothyroidism. Documentation of
synergism. Am J Med 55:695-9, Nov 73
ADULT/ *DRUG SYNERGISM/ HUMAN/
*HYPOTHYROIDISM, chemically induced/
*IODINE, adverse effects/ *LITHIUM, adverse
effects/ LITHIUM, therapeutic use/ MALE/
MIDDLE AGE/ *POTASSIUM IODIDE, adverse
effects/ POTASSIUM IODIDE, therapeutic use/
PSYCHOSES, MANIC-DEPRESSIVE, drug
therapy/ THYROID HORMONES, blood/
THYROTROPIN, blood
3340. Short RE, Howland BE, Randel RD, et al: Induced LH
release in spayed cows. J Anim Sci 37:551-7, Aug 73
ANIMAL EXPERIMENTS/ *CASTRATION,
veterinary/ *CATTLE, physiology/
ESTRADIOL, administration & dosage/
ESTRADIOL, blood/ ESTRADIOL,
pharmacodynamics/ ESTRUS/ FEMALE/
HYDROCORTISONE, administration & dosage/
HYDROCORTISONE, blood/
HYDROCORTISONE, pharmacodynamics/
INJECTIONS, INTRAMUSCULAR/ *LH, blood/
OVULATION, drug effects/ PROGESTERONE,
administration & dosage/ PROGESTERONE,
blood/ PROGESTERONE, pharmacodynamics/
TIME FACTORS
3341. Shownkeen RC, Thomas MB, Hartree AS: Sialic acid
and tryptophan content of subunits of human
pituitary luteinizing hormone.
J Endocrinol 59:201-2, Oct 73
CHROMATOGRAPHY, ION EXCHANGE/
HUMAN/ *LH, analysis/ *NEURAMINIC
ACIDS, analysis/ SPECTROPHOTOMETRY/
*TRYPTOPHAN, analysis
3342. Shtegeman NA, Kalinin AP: Pokazatel
funktsional'nogo sostoiiania shchitovidnoi zhelezy u
hol'nykh holezn'iu Itsenko-Kushinga.
Sov Med 35:79-82, Jun 72 (Rus)
ADOLESCENCE/ ADULT/ CHILD/
*CUSHING'S SYNDROME, physiopathology/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MALE/ MIDDLE AGE/ PROTEIN-BOUND
IODINE TEST/ *THYROID GLAND
FUNCTION TESTS
3343. Slassi F, Slassi B: Differential effects of protein-calorie
restriction and subsequent repletion on neuronal and
nonneuronal components of cerebral cortex in
newborn rats. J Nutr 103:1825-33, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANIMAL NUTRITION/ ANIMALS, NEWBORN/
BODY WEIGHT/ BRAIN,
anatomy & histology/ CASEIN, administration
& dosage/ CEREBRAL CORTEX, anatomy &
histology/ DIET THERAPY/ DIETARY
PROTEINS, administration & dosage/
DIETARY PROTEINS, therapeutic use/

AUTHOR SECTION

- ENDOTHELIUM, pathology/ FEMALE/
GESTATIONAL AGE/ LACTATION/
NEUROGLIA/ *NEURONS/ ORGAN WEIGHT/
PREGNANCY/ *PROTEIN-CALORIE
MALNUTRITION, pathology/ RATS/
SOMATOSENSORY CORTEX, pathology
3344. Sibert JR, Moffat WM: Hereditary pseudo vitamin D deficiency rickets in a Pakistani infant. Arch Dis Child 48:814-8, Oct 73
ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ ERGOCALCIFEROL, therapeutic use/ HUMAN/ INFANT/ MALE/ PAKISTAN/ RICKETS, drug therapy/ *RICKETS, familial & genetic/ VITAMIN A, therapeutic use/ VITAMIN D DEFICIENCY, congenital
3345. Sibila S, Ploeanu D, Fierbinteanu O: Actiunea corticoterapiei asupra dimensiunii reactiei tuberculinice. Ftiziologia 22:523-8, Sep-Oct 73 (Rum)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, therapeutic use/ *ANTITUBERCULAR AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PREDNISONE, therapeutic use/ *TUBERCULIN TEST/ *TUBERCULOSIS IN CHILDHOOD, drug therapy/ *TUBERCULOSIS, PULMONARY, drug therapy
3346. Siegel E: Alterations induced by thyroidal hormones in the response to temperature by T-1 kidney cells. Proc Soc Exp Biol Med 144:455-9, Nov 73
*CELL DIVISION, drug effects/ CLONE CELLS/ HUMAN/ KIDNEY/ *TEMPERATURE/ *THYROID HORMONES, pharmacodynamics/ THYROXINE, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics
3347. Siegel IM: Orthotic treatment of tibiotarsal deformity in an elephant. J Am Vet Med Assoc 163:544-5, 15 Sep 73
ANIMAL EXPERIMENTS/ *ANIMALS, ZOO/ *BRACES/ *ELEPHANTS/ FEMALE/ FOOT DEFORMITIES, ACQUIRED, etiology/ FOOT DEFORMITIES, ACQUIRED, radiography/ FOOT DEFORMITIES, ACQUIRED, therapy/ *FOOT DEFORMITIES, ACQUIRED, veterinary/ HINDLIMB/ RICKETS, complications/ RICKETS, veterinary/ *TARSAL JOINT/ *TIBIA
3348. Siegel SJ, Line WF, Yang NS, et al: Solid-phase tritiodothyronine radioimmunoassay. J Clin Endocrinol Metab 37:528-32, Oct 73
CYANOGEN BROMIDE/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ KINETICS/ METHODS/ POLYSACCHARIDES/ PROTEIN BINDING/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ TIME FACTORS/ *TRIIODOTHYRONINE, blood
3349. Siegel SR, Fisher DA, Oh W: Renal function and serum aldosterone levels in infants with respiratory distress syndrome. J Pediatr 83:854-8, Nov 73
ACIDS, urine/ *ALDOSTERONE, blood/ ARTERIES/ CARBON DIOXIDE, blood/ COMPARATIVE STUDY/ CREATININE, metabolism/ GESTATIONAL AGE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INFANT, NEWBORN/ INFANT, PREMATURE/ KIDNEY, physiology/ *KIDNEY, physiopathology/ OXYGEN, blood/ POTASSIUM, urine/ RESPIRATORY DISTRESS SYNDROME, blood/ *RESPIRATORY DISTRESS SYNDROME, physiopathology/ SODIUM, urine/ TIME FACTORS
3350. Siemon NJ, Moodie EW: Body weight as a criterion in judging bone mineral adequacy. Nature 243:541-3, 29 Jun 73
ABSORPTION/ AMERICIUM/ ANIMAL EXPERIMENTS/ *BODY WEIGHT/ *BONE AND BONES/ MALE/ SHEEP/ STRESS, MECHANICAL/ TARSAL BONES/ TIBIA/ TIME FACTORS
3351. Sievers S: Empfängnisverhütung nach der Geburt. Fortschr Med 91:1225-8, 8 Nov 73 (Ger)
*CONTRACEPTION/ CONTRACEPTIVE AGENTS, administration & dosage/ CONTRACEPTIVES, ORAL, administration & dosage/ ELECTROCOAGULATION/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ METHODS/ PREGNANCY/ *PUERPERIUM/ STERILIZATION, SEXUAL/ TIME FACTORS
3352. Sievers S: Alternativen zur "Pille" als Methoden der Antikonzepktion aus gynäkologischer Sicht. Fortschr Med 91:1189-90 passim, 25 Oct 73 (Ger)
COMPARATIVE STUDY/ *CONTRACEPTION/ CONTRACEPTIVE AGENTS, therapeutic use/ *CONTRACEPTIVES, ORAL, therapeutic use/ DELAYED-ACTION PREPARATIONS/ FEMALE/ GERMANY, WEST/ HUMAN/ HYSTERECTOMY/ JURISPRUDENCE/ STERILIZATION, TUBAL
3353. Sigstad H: Skjelettförändring hos ventrikelopererte. Behandling med kalsium og vitamin. Tidsskr Nor Lægeforen 93:703, 10 Apr 73 (Nor)
CALCIUM, therapeutic use/ FOLLOW-UP STUDIES/ *GASTROENTEROSTOMY/ HUMAN/ MALE/ OSTEOMALACIA, drug therapy/ *OSTEOMALACIA, etiology/ OSTEOPOROSIS, drug therapy/ *OSTEOPOROSIS, etiology/ *POSTOPERATIVE COMPLICATIONS/ VITAMIN D, therapeutic use
3354. Sikorski A: Zawartość serotoniny w krwi chorych z udarem mózgu. Neurol Neurochir Pol 7:495-500, Jul-Aug 73 (Pol)
ADULT/ AGED/ CEREBRAL HEMORRHAGE, blood/ *CEREBROVASCULAR DISORDERS, blood/ ENCEPHALOMALACIA, blood/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ *SEROTONIN, blood/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS
3355. Silbert LS, Russell JR, Showell JS: Thiocyanations. I. Elucidation of olefin thiocyanations: product distribution, mechanism and a rationale of thiocyanogen value. J Am Oil Chem Soc 50:415-20, Oct 73
*ALKENES, analysis/ COUNTERCURRENT DISTRIBUTION/ STEREOISOMERS/ *THIOCYANATES, analysis
3356. Siler TM, VandenBerg G, Yen SS, et al: Inhibition of growth hormone release in humans by somatostatin. J Clin Endocrinol Metab 37:832-4, Oct 73
ADULT/ ARGININE, pharmacodynamics/ DOPA, pharmacodynamics/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MALE/ *PEPTIDES, pharmacodynamics/ PROLACTIN, blood/ *SOMATOTROPIN, antagonists & inhibitors/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ TIME FACTORS
3357. Silkalns GI, Jeck D, Earon J, et al: Simultaneous measurement of glomerular filtration rate and renal plasma flow using plasma disappearance curves. J Pediatr 83:749-57, Nov 73
ADOLESCENCE/ AMINOHIPPURIC ACID, diagnostic use/ AMINOHIPPURIC ACID, metabolism/ BLADDER/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ CREATININE, metabolism/ FEMALE/ *GLOMERULAR FILTRATION RATE/ HUMAN/ INFANT/ INJECTIONS/ INULIN, diagnostic use/ INULIN, metabolism/ IODINE RADIOISOTOPES/ IODOHIPPURIC ACID, diagnostic use/ IOTHALAMIC ACID, metabolism/ KIDNEY/ *KIDNEY, blood supply/ MATHEMATICS/ OVARY/ PLASMA/ RADIATION DOSAGE/ REGIONAL BLOOD FLOW/ TIME FACTORS
3358. Silva P, Hayslett JP, Epstein FH: The role of Na-K-activated adenosine triphosphatase in potassium adaptation. Stimulation of enzymatic activity by potassium loading. J Clin Invest 52:2665-71, Nov 73
*ADAPTATION, PHYSIOLOGICAL/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADRENALECTOMY/ ALDOSTERONE,

AUTHOR SECTION

- secretion/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ DIET/ DIET, SALT-FREE/ ENZYME ACTIVATION/ KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, enzymology/ LIVER, enzymology/ MALE/ MUSCLES, enzymology/ NUCLEOTIDASES, metabolism/ POTASSIUM, blood/ *POTASSIUM, pharmacodynamics/ POTASSIUM, urine/ POTASSIUM CHLORIDE, administration & dosage/ RATS/ SODIUM/ SODIUM, blood
3359. Silver R, Buntin J: Role of adrenal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). *J Comp Physiol Psychol* 84:453-63, Sep 73
*ADRENAL CORTEX HORMONES, physiology/ ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ MALE/ *NESTING BEHAVIOR/ NESTING BEHAVIOR, drug effects/ *PIGEONS, physiology/ PROLACTIN, pharmacodynamics
3360. Silver R, Feder HH: Role of gonadal hormones in incubation behavior of male ring doves (*Streptopelia risoria*). *J Comp Physiol Psychol* 84:464-71, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/ MALE/ *NESTING BEHAVIOR/ NESTING BEHAVIOR, drug effects/ *PIGEONS, physiology/ TESTIS, secretion/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics
3361. Simma W, Singer F, Euler J: Akuter tödlicher Zwischenfall nach Antikoagulantientherapie. *Wien Med Wochenschr* 123:705-6, 24 Nov 73 (Ger)
ADENOCARCINOMA, surgery/ ADRENAL GLANDS, blood supply/ ADULT/ BENZYL COMPOUNDS, adverse effects/ BENZYL COMPOUNDS, therapeutic use/ BREAST NEOPLASMS, surgery/ *COUMARINS, adverse effects/ COUMARINS, therapeutic use/ FEMALE/ *HEMORRHAGE, chemically induced/ HUMAN/ LONG TERM CARE/ PELVIS, blood supply/ PROTHROMBIN TIME/ THROMBOPHLEBITIS, drug therapy
3362. Simmonds HA, Hatfield PJ, Cameron JS, et al: Metabolic studies of purine metabolism in the pig during the oral administration of guanine and allopurinol. *Biochem Pharmacol* 22:2537-51, 15 Oct 73
ADMINISTRATION, ORAL/ *ALLOPURINOL, administration & dosage/ ALLOPURINOL, metabolism/ ALLOPURINOL, pharmacodynamics/ ANIMAL EXPERIMENTS/ APPETITE, drug effects/ CARBON RADIOISOTOPES/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG THERAPY, COMBINATION/ *GUANINE, administration & dosage/ GUANINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ KIDNEY FUNCTION TESTS/ MALE/ NITROGEN, metabolism/ PTERIDINES, metabolism/ *PURINES, metabolism/ PYRIMIDINES, metabolism/ SWINE/ TESTIS, physiology/ TIME FACTORS
3363. Simmons JE, DiClementi D, Maxted G: Aspects of adrenal function in neonatally estrogenized male mice. *J Exp Zool* 186:123-6, Nov 73
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, pathology/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CASTRATION/ CHOLESTEROL, analysis/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ HYPERTROPHY/ MALE/ MICE
3364. Simmons JG, Hamner CE: Inhibition of estrus in the dog with testosterone implants. *Am J Vet Res* 34:1409-19, Nov 73
ANDROSTENEDIONE, administration & dosage/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CAPSULES/ CLITORIS, drug effects/ DOG DISEASES, chemically induced/ *DOGS, physiology/ *ESTRUS, drug effects/ FEMALE/ HERMAPHRODITISM, chemically induced/ HERMAPHRODITISM, veterinary/ LACTATION/ MAMMAE, drug effects/ METHODS/ PREGNANCY/ SILICONE ELASTOMERS/ SKIN/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, adverse effects/ TESTOSTERONE, pharmacodynamics/ VAGINA, drug effects/ VAGINAL SMEARS/ WEANING
3365. Simon M, Vongsavanthong S, Hespel JP, et al: Diabète et hémochromatose. I. Le diabète dans l'hémochromatose idiopathique. A propos de 130 cas personnels d'hémochromatose. *Sem Hop Paris* 49:2125-32, 20 Jun 73 (Fre)
ADULT/ AGED/ BLOODLETTERING/ CARBOHYDRATES, metabolism/ *DIABETES MELLITUS, etiology/ DIABETES MELLITUS, therapy/ ENDOCRINE DISEASES, etiology/ FEMALE/ HEART DISEASES, etiology/ *HEMOCHROMATOSIS, complications/ HEMOCHROMATOSIS, metabolism/ HEMOCHROMATOSIS, therapy/ HUMAN/ INSULIN, secretion/ INSULIN, therapeutic use/ MALE/ MIDDLE AGE/ PANCREATIC DISEASES, complications/ *PANCREATIC DISEASES, etiology
3366. Simpson AA, Simpson MH, Sinha YN, et al: Changes in concentration of prolactin and adrenal corticosteroids in rat plasma during pregnancy and lactation. *J Endocrinol* 58:675-6, Sep 73
*ADRENAL CORTEX HORMONES, blood/ ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ FEMALE/ *LACTATION/ ORGAN WEIGHT/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROLACTIN, blood/ RATS/ TIME FACTORS
3367. Simpson ER, Jefcoate CR, Collett RA, et al: Cytochrome P-450 activity in sheep corpora lutea during the oestrous cycle. *J Endocrinol* 58:493-501, Sep 73
ANIMAL EXPERIMENTS/ CHOLESTEROL/ *CORPUS LUTEUM, enzymology/ *CYTOCHROME P-450, analysis/ *ESTRUS/ FEMALE/ MITOCHONDRIA, analysis/ OXYGEN CONSUMPTION/ PROGESTERONE, blood/ PROTEIN BINDING/ *SHEEP, metabolism/ SPECTROPHOTOMETRY/ TIME FACTORS
3368. Simpson-Herren L, Griswold DP Jr: Caffeine inhibition of postreplication repair of N-acetoxy-2-acetylaminofluorene-damaged DNA in Chinese hamster cells. *Cancer Res* 33:2415-24, Oct 73
*ADENOCARCINOMA/ ADENOCARCINOMA, chemically induced/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BENZANTHRACENES/ *CELL DIVISION/ COMPUTERS, DIGITAL/ DRUG SYNERGISM/ ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ *MAMMARY NEOPLASMS, EXPERIMENTAL/ MAMMARY NEOPLASMS, EXPERIMENTAL, chem synthesis/ MITOSIS/ NEOPLASM TRANSPLANTATION/ PROGESTERONE, pharmacodynamics/ RATS/ THYMIDINE, metabolism/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM
3369. Singer I, Rotenberg D: Demeclocycline-induced nephrogenic diabetes insipidus. In-vivo and in-vitro studies. *Ann Intern Med* 79:679-83, Nov 73
ACNE, drug therapy/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BLADDER, drug effects/ BLADDER, physiology/ DEMETHYLCHLORTETRACYCLINE, administration & dosage/ *DEMETHYLCHLORTETRACYCLINE, adverse effects/ DEMETHYLCHLORTETRACYCLINE, therapeutic use/ *DIABETES INSIPIDUS, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IN VITRO/ OSMOSIS/ TOADS/ VASOPRESSIN, physiology
3370. Singh H, Paul D, Parashar VV: Steroids and related studies. XX. 4,17a-Diaza-D-homo-steroids.

AUTHOR SECTION

- J Chem Soc [Perkin I] 11:1204-6, 1973
 *ANDROSTANES, chem synthesis/
 ANDROSTANES, pharmacodynamics/ ANIMAL
 EXPERIMENTS/ *AZA COMPOUNDS, chem
 synthesis/ CATS/ CURARE-LIKE AGENTS,
 chem synthesis/ CURARE-LIKE AGENTS,
 pharmacodynamics/ *HOMOSTEROIDS, chem
 synthesis/ HOMOSTEROIDS,
 pharmacodynamics/ METHODS/
 OXIDATION-REDUCTION
3371. Singh KP, Bhandari DS: Cardiovascular and smooth
 muscle actions of some indolealkylamines.
 Indian J Physiol Pharmacol 17:31-9, Jan-Mar 73
 AMPHETAMINE, antagonists & inhibitors/
 ANIMAL EXPERIMENTS/ *BLOOD
 PRESSURE, drug effects/ CAROTID SINUS,
 physiology/ CORONARY CIRCULATION, drug
 effects/ DOGS/ DOPAMINE,
 pharmacodynamics/ DRUG SYNERGISM/
 ELECTROCARDIOGRAPHY/ EPINEPHRINE,
 pharmacodynamics/ FEMALE/ *HEART, drug
 effects/ HEART RATE, drug effects/ ILEUM,
 drug effects/ IN VITRO/ *INDOLES,
 pharmacodynamics/ INDOLES, toxicity/
 LETHAL DOSE 50/ MALE/ MICE/ *MUSCLE,
 SMOOTH, drug effects/ NOREPINEPHRINE,
 pharmacodynamics/ RABBITS/ SEROTONIN,
 pharmacodynamics/ UTERUS, drug effects
3372. Singh KP, Bhandari DS: Experimental study on
 neuropharmacological actions of some indole
 derivatives. Arzneimittel Forsch 23:973-7, Jul 73
 AMINES/ ANALGESICS AND ANTIPYRETICS,
 pharmacodynamics/ ANIMAL EXPERIMENTS/
 ANTICONVULSANTS, pharmacodynamics/
 CATATONIA, drug therapy/ *CENTRAL
 NERVOUS SYSTEM, drug effects/
 CONDITIONING (PSYCHOLOGY),
 drug effects/ DRUG SCREENING/ DRUG
 SYNERGISM/ ESCAPE REACTION, drug
 effects/ FEMALE/ HYPOTHERMIA, chemically
 induced/ *INDOLES, pharmacodynamics/
 INDOLES, therapeutic use/ MALE/ MICE/
 PENTOBARBITAL, pharmacodynamics/ RATS/
 SEROTONIN, pharmacodynamics/ SLEEP, drug
 effects/ TRANQUILIZING AGENTS,
 pharmacodynamics/ TREMOR, drug therapy
3373. Singh P, McDevitt DG, Mackay J, et al: Effects of
 L-dopa and chlorpromazine on human growth
 hormone and TSH secretion in normal subjects and
 acromegals. Horm Res 4:293-301, 1973
 *ACROMEGALY, blood/ ACROMEGALY,
 metabolism/ ADULT/ *CHLORPROMAZINE,
 pharmacodynamics/ COMPARATIVE STUDY/
 *DOPA, pharmacodynamics/ FEMALE/
 GLUCOSE, pharmacodynamics/ HUMAN/
 HYPOPHYSECTOMY/ MALE/ MIDDLE AGE/
 PARKINSONISM, blood/ PARKINSONISM,
 metabolism/ PITUITARY GLAND,
 drug effects/ PITUITARY GLAND,
 metabolism/ PITUITARY GLAND, physiology/
 *PITUITARY GLAND, secretion/
 *SOMATOTROPIN, blood/ SOMATOTROPIN,
 metabolism/ *THYROTROPIN, blood/
 THYROTROPIN, metabolism/ TIME FACTORS
3374. Singhal RL: Cyclic adenosine 3',5'-monophosphate and
 estrogenic stimulation of uterine metabolism.
 Adv Pharmacol Chemother 11:99-150, 1973 (415 ref.)
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
 hlosynthesis/ *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, physiology/ AGE
 FACTORS/ ANDROGENS, pharmacodynamics/
 ANIMAL EXPERIMENTS/ CATECHOLAMINES,
 pharmacodynamics/ ESTRADIOL, antagonists &
 inhibitors/ ESTRADIOL, pharmacodynamics/
 *ESTROGENS, pharmacodynamics/ GLUCOSE,
 metabolism/ GLYCEROPHOSPHATES,
 metabolism/ HISTAMINE, pharmacodynamics/
 HUMAN/ LACTATES, metabolism/
 LYSOSOMES, metabolism/ PHENOBARBITAL,
 pharmacodynamics/ PROGESTERONE,
 pharmacodynamics/ PROTEINS, antagonists &
 inhibitors/ REVIEW/ RNA, antagonists &
 inhibitors/ STIMULATION, CHEMICAL/
 TESTOSTERONE, metabolism/ TIME
 FACTORS/ UTERUS, cytology/ *UTERUS,
 drug effects/ UTERUS, metabolism
3375. Siperstein ER, Miller KJ: Hypertrophy of the
 ACTH-producing cell following adrenalectomy: a
 quantitative electron microscopic study.
 Endocrinology 93:1257-68, Dec 73
 ANIMAL EXPERIMENTS/ CELL NUCLEOLUS/
 CELL NUCLEOLUS, drug effects/ CELL
 NUCLEUS/ CELL NUCLEUS, drug effects/
 *CORTICOTROPIN/ CORTICOTROPIN,
 pharmacodynamics/ HETEROCHROMATIN/
 HYDROCORTISONE, pharmacodynamics/
 MALE/ MICROSCOPY, ELECTRON/
 *PITUITARY GLAND, cytology/ RATS/ TIME
 FACTORS
3376. Sizonenko PC, Paunier L, Vallotton B, et al: Response
 to 2-deoxy-D-glucose and to glucagon in "ketotic
 hypoglycemia" of childhood: evidence for
 epinephrine deficiency and altered alanine
 availability. Pediatr Res 7:983-93, Dec 73
 ALANINE, blood/ *ALANINE, metabolism/
 BLOOD SUGAR, analysis/ CHILD/ CHILD,
 PRESCHOOL/ CORTICOTROPIN, blood/
 DISEASES IN TWINS/ EPINEPHRINE,
 physiology/ *EPINEPHRINE, secretion/
 FASTING/ FEMALE/ GLUCAGON, blood/
 *GLUCAGON, diagnostic use/ *GLUCOSE,
 diagnostic use/ HUMAN/ HYDROCORTISONE,
 blood/ HYDROXYBUTYRATES, blood/
 HYPOGLYCEMIA, diagnosis/
 *HYPOGLYCEMIA, metabolism/ INSULIN,
 blood/ KETONES, urine/ MALE/
 METYRAPONE, diagnostic use/ RENIN, blood/
 SOMATOTROPIN, blood
3377. Skakkebaek NE, Bryant JI, Philip J: Studies on melotic
 chromosomes in infertile men and controls with
 normal karyotypes. J Reprod Fertl 35:23-36, Oct 73
 ADULT/ CHROMOSOME ABERRATIONS/
 *CHROMOSOMES/ HAPLOIDY/ HUMAN/
 KARYOTYPING/ MALE/ *MEIOSIS/
 POLYPLOIDY/ SEX CHROMOSOMES/
 *STERILITY, MALE, familial & genetic
3378. Skalba P: Radioimmunologiczne oznaczanie poziomu
 somatomamotropiny kosmówkowej w surowicy krwi
 ciężarnych z ciążą prawidłową i powikłaną w
 ostatnich tygodniach jej trwania.
 Ginekol Pol 44:993-7, 1973 (Pol)
 ENGLISH ABSTRACT/ FEMALE/ HUMAN/
 *PLACENTAL LACTOGEN, blood/
 *PREGNANCY/ *PREGNANCY
 COMPLICATIONS, blood/
 RADIOIMMUNOASSAY/ TIME FACTORS
3379. Sklovský A, Paukovic J, Kukelková A:
 Praceneschopnost v súvisi s modernou
 antikoncepciou. Cesk Gynecol 38:543-4, Jul 73 (Slo)
 ADNEXITIS, etiology/ *CONTRACEPTIVES,
 ORAL, adverse effects/ *DISABILITY
 EVALUATION/ ENDOMETRITIS, etiology/
 FEMALE/ HUMAN/ *INTRAUTERINE
 DEVICES, adverse effects/ PREGNANCY/
 PREGNANCY, UNWANTED
3380. Skorkovský B: Einfluss von Kaliumrhodanid auf das
 Wachstum von hämolysierenden Streptokokken.
 Z Gesamte Hyg 19:361-6, May 73 (Ger)
 CULTURE MEDIA/ HEMOLYSIS/
 POTASSIUM/ SEROTYPING/
 *STREPTOCOCCUS PYOGENES, drug effects/
 STREPTOCOCCUS PYOGENES, growth &
 development/ *THIOCYANATES,
 pharmacodynamics
3381. Slack PM, Taylor-Robinson D: The influence of
 mycoplasmas on the cytopathic effect of varicella
 virus. Arch Gesamte Virusforsch 42:88-95, 1973
 ARGININE, metabolism/ CELL LINE/
 CULTURE MEDIA/ CYTOPATHOGENIC
 EFFECT, VIRAL/ FIBROBLASTS/ GLUCOSE,
 metabolism/ HERPESVIRUS HUMANIS, growth
 & development/ HUMAN/ LUNG, embryology/
 *MYCOPLASMA, growth & development/
 MYCOPLASMA, metabolism/ PLAQUE ASSAY/
 RHINOVIRUS, growth & development/ SKIN/
 THYROID GLAND/ TISSUE CULTURE/
 *VARICELLA-ZOSTER VIRUS, growth &
 development/ VIRUS REPLICATION
3382. Sládek M: Těhotné s adrenogenitálním syndromem a

AUTHOR SECTION

- pracovní neschopnost.
Cesk Gynkol 38:525-6, Jul 73 (Cze)
*ADRENOGENITAL SYNDROME,
complications/ *DISABILITY EVALUATION/
FEMALE/ HUMAN/ PREGNANCY/
*PREGNANCY COMPLICATIONS, diagnosis
3383. Slaga TJ, Krum AA: Aldosterone biosynthesis from
4-14C-pregnenolone and 4-14C-progesterone, in the
rat and rabbit.
Proc Soc Exp Biol Med 143:1201-6, Sep 73
*ADRENAL GLANDS, metabolism/
*ALDOSTERONE, biosynthesis/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, PAPER/ COMPARATIVE
STUDY/ *HYDROXYCORTICOSTEROIDS,
metabolism/ IN VITRO/ *PREGNENOLONE,
metabolism/ *PROGESTERONE, metabolism/
RABBITS/ RATS
3384. Siatopolsky E, Bricker NS: The role of phosphorus
restriction in the prevention of secondary
hyperparathyroidism in chronic renal disease.
Kidney Int 4:141-5, Aug 73
ALUMINUM, therapeutic use/ ANIMAL
EXPERIMENTS/ CALCIUM, blood/
CARBONATES, therapeutic use/
CHOLECALCIFEROL, metabolism/ *DIET
THERAPY/ DOGS/ GLOMERULAR
FILTRATION RATE/ HUMAN/ HYDROXIDES,
therapeutic use/ HYPERPARATHYROIDISM,
SECONDARY, drug therapy/
*HYPERPARATHYROIDISM, SECONDARY,
prevention & control/ KIDNEY, metabolism/
*KIDNEY FAILURE, CHRONIC, complications/
KIDNEY FAILURE, CHRONIC,
physiopathology/ KIDNEY TUBULES,
physiopathology/ NEPHRONS, physiopathology/
PARATHYROID HORMONE, blood/
PARATHYROID HORMONE, physiology/
*PHOSPHORUS/ PHOSPHORUS, blood/
PHOSPHORUS, diagnostic use/ PHOSPHORUS,
metabolism/ PHOSPHORUS, urine
3385. Siebodziński AB: Stymulacja układu
przysadkowo-tarczowego w okresie
okolourodzeniowym.
Acta Physiol Pol [Suppl] 24:713-22, 1973 (Pol)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
FEEDBACK/ FEMALE/ GESTATIONAL AGE/
HUMAN/ HYPOTHALAMUS, secretion/
*INFANT, NEWBORN/ LIVER GLYCOGEN,
physiology/ *PITUITARY GLAND, physiology/
PREGNANCY/ RATS/ *THYROID GLAND,
physiology/ THYROTROPIN, physiology/
THYROTROPIN RELEASING HORMONE,
physiology/ THYROXINE, physiology
3386. Slot E: Příspěvek k pracovní neschopnosti u
nemocných choriocarcinomem a molou destruens.
Cesk Gynkol 38:497-8, Jul 73 (Cze)
*CHORIOCARCINOMA, rehabilitation/
*DISABILITY EVALUATION/ FEMALE/
HUMAN/ *HYDATIDIFORM MOLE,
rehabilitation/ PREGNANCY/
REHABILITATION, VOCATIONAL
3387. Slotkin TA, Krishner N: Binding of amines to purified
bovine adrenal medullary storage vesicle membranes.
Biochem Pharmacol 22:2492-7, 1 Oct 73
ADENINE NUCLEOTIDES, metabolism/
ADENOSINE TRIPHOSPHATE, metabolism/
*ADRENAL MEDULLA, metabolism/ *AMINES,
metabolism/ CARBON RADIOISOTOPES/
CATTLE/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ EPINEPHRINE, metabolism/
MAGNESIUM, metabolism/ MEMBRANES,
metabolism/ METARAMINOL, metabolism/
RESERPINE, pharmacodynamics/ SEROTONIN,
metabolism/ TEMPERATURE/ TIME FACTORS
3388. Slotnick BM: Fear behavior and passive avoidance
deficits in mice with amygdala lesions.
Physiol Behav 11:717-20, Nov 73
*AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ AROUSAL/ *AVOIDANCE
LEARNING/ ELECTROSHOCK/ *FEAR/
GROOMING/ IMMOBILIZATION/ MALE/
- MICE/ MOTOR ACTIVITY/ STEREOTAXIC
TECHNIQS
3389. Slotnick EA: Induction of ovulation with clomiphene
citrate and its adjunctive therapies.
J Am Osteopath Assoc 73:35-8, Sep 73
CLOMIPHENE, administration & dosage/
*CLOMIPHENE, therapeutic use/ ESTROGENS,
therapeutic use/ FEMALE/ GONADOTROPINS,
CHORIONIC, therapeutic use/ HUMAN/
MENOTROPINS, therapeutic use/
*OVULATION, drug effects/ PREDNISONE,
therapeutic use/ PREGNANCY/
PROGESTERONE, therapeutic use/
*STERILITY, FEMALE, drug therapy/
STIMULATION, CHEMICAL
3390. Slotnik EA: Karyotyping is encouraged.
J Am Osteopath Assoc 72:1044, Jul 73
FEMALE/ HUMAN/ *KARYOTYPING/
*TURNER'S SYNDROME, diagnosis/ TURNER'S
SYNDROME, familial & genetic
3391. Slusky R: Komplexe, konservative Therapie des
insuffizienten Blasenverschlusses bei alten Frauen
mit Uretid, Ostrol und gymnastik.
Wien Klin Wochenschr 85:759-62, 16 Nov 73 (Ger)
AGE FACTORS/ AGED/ DRUG THERAPY,
COMBINATION/ ENGLISH ABSTRACT/
*ESTRIOL, therapeutic use/ FEMALE/
HUMAN/ LONG TERM CARE/ METHODS/
*PHYSICAL THERAPY/ *PYRIDINIUM
COMPOUNDS, therapeutic use/ TIME
FACTORS/ URINARY INCONTINENCE, drug
therapy/ *URINARY INCONTINENCE, therapy
3392. Slusher MM, Cowing RH: The empty sella turcica.
Ann Ophthalmol 5:966-8, Sep 73
AGED/ DIAGNOSIS, DIFFERENTIAL/
FOLLOW-UP STUDIES/ HEAD INJURIES,
radiography/ HUMAN/ INTRAOCULAR
PRESSURE/ MALE/ NEUROLOGIC
EXAMINATION/ OPHTHALMOSCOPY/
*PITUITARY NEOPLASMS, radiography/
*SELLA TURCICA, radiography/ VISUAL
FIELDS
3393. Smart JL, Preece J: Maternal behavior of
undernourished mother rats.
Anim Behav 21:613-9, Aug 73
ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ DIET/ FEMALE/ *FOOD
DEPRIVATION/ HOUSING, ANIMAL/
LACTATION/ *MATERNAL BEHAVIOR/
PREGNANCY/ *RATS, physiology
3394. Smets LA: Agglutination with con A dependent on cell
cycle. Nature [New Biol] 245:113-5, 28 Sep 73
*AGGLUTINATION, drug effects/ BURKITT'S
LYMPHOMA VIRUS/ *CELL
TRANSFORMATION, NEOPLASTIC/ CELLS,
CULTURED/ *CONCAVALIN A,
pharmacodynamics/ DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ DNA, analysis/
HUMAN/ LYMPHOCYTES/ *MITOSIS
3395. Smith AD: Heparin therapy in meningococcal
septicaemia. Arch Dis Child 48:748, Sep 73
CASE REPORT/ CHILD, PRESCHOOL/
*HEPARIN, therapeutic use/ HUMAN/
*HYDROCORTISONE, therapeutic use/
INJECTIONS, INTRAVENOUS/ LEUKOCYTE
COUNT/ MALE/ *MENINGOCOCCAL
INFECTIONS, drug therapy/ PENICILLIN G,
therapeutic use/ *SEPTICEMIA, drug therapy/
SULFADIAZINE, therapeutic use
3396. Smith AM: Phaeochromocytoma and pregnancy.
J Obstet Gynaecol Br Commonw 80:848-51, Sep 73
*ADRENAL GLAND NEOPLASMS/ ADRENAL
GLAND NEOPLASMS, surgery/ ADULT/
CATECHOLAMINES, urine/ CESAREAN
SECTION/ FEMALE/ GESTATIONAL AGE/
HUMAN/ HYPERTENSION, complications/
*PHEOCHROMOCYTOMA/
PHEOCHROMOCYTOMA, surgery/
PREGNANCY/ *PREGNANCY
COMPLICATIONS
3397. Smith AM, Lattimer JK, Rezvan M: Current therapy for

AUTHOR SECTION

- undescended testicle. Rationale for treatment between ages four and five.
NY State J Med 73:2552-60, 1 Nov 73
AGING/ CHILD/ CHILD, PRESCHOOL/
CRYPTORCHISM, complications/
CRYPTORCHISM, drug therapy/
CRYPTORCHISM, etiology/ CRYPTORCHISM,
physiopathology/ CRYPTORCHISM, surgery/
*CRYPTORCHISM, therapy/ GONADOTROPINS,
CHORIONIC, therapeutic use/ HUMAN/ MALE
3398. Smith BT, Torday JS, Glroud CJ: The growth promoting effect of cortisol on human fetal lung cells.
Steroids 22:515-24, Oct 73
CARBON RADIOISOTOPES/ CELLS,
CULTURED/ CORTISONE, metabolism/
CULTURE MEDIA/ CYTOLOGICAL
TECHNICS/ DNA, biosynthesis/ ESOPHAGUS,
metabolism/ FEMALE/ FETUS/
FIBROBLASTS, metabolism/ HUMAN/
HYDROCORTISONE, metabolism/
*HYDROCORTISONE, pharmacodynamics/
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*LUNG, growth & development/
PREGNANCY/ SKIN, metabolism/ TIME
FACTORS/ TRACHEA, metabolism/ TRITIUM/
TRYPSIN
3399. Smith DH, Buchanan BG, Engelmores RS, et al: Applications of artificial intelligence for chemical inference. IX. Analysis of mixtures without prior separation as illustrated for estrogens.
J Am Chem Soc 95:6078-84, 5 Sep 73
AUTOANALYSIS/ CHROMATOGRAPHY, GAS/
COMPUTERS/ ESTRADIOL, analysis/
*ESTROGENS, analysis/ ESTRONE, analysis/
METHODS
3400. Smith DH, Redick JA, Van Orden DE, et al: Immunocytochemical localization of soluble protein in the adrenal medulla. Histochem J 5:255-64, May 73
*ADRENAL MEDULLA, analysis/ ADRENAL
MEDULLA, cytology/ ANIMAL
EXPERIMENTS/ ANTI-ANTIBODIES/
ANTIGEN-ANTIBODY COMPLEX/
CATECHOLAMINES/ CATTLE/ CYTOPLASMIC
GRANULES, analysis/ GEL FILTRATION/
GOATS, immunology/
HISTOCYTOCHEMISTRY/
IMMUNOCHEMISTRY/ MICROSCOPY,
ELECTRON/ PEROXIDASES/ *PROTEINS,
analysis/ RABBITS, immunology
3401. Smith DJ, Shulman S: Ultracentrifugal and immunological comparisons of succinylated human thyroglobulin and 27 S iodoprotein.
Immunol Commun 2:371-82, 1973
ANHYDRIDES/ *ANTIGENS/ AUTOIMMUNE
DISEASES, immunology/ CHEMISTRY/
COMPARATIVE STUDY/ GEL DIFFUSION
TESTS/ HEMAGGLUTINATION INHIBITION
TESTS/ HUMAN/ IMMUNE SERUMS/
*IODOPROTEINS, analysis/ RABBITS,
immunology/ SUCCINATES/
*THYROGLOBULIN, analysis/ THYROIDITIS,
LYMPHOMATOUS, immunology/
ULTRACENTRIFUGATION
3402. Smith DJ, Van Orden LS 3d: Ultrastructural evidence for increased incidence of exocytosis in the stimulated adrenal medulla of the cat.
Neuropharmacology 12:875-83, Sep 73
ACETYLCHOLINE, pharmacodynamics/
ADRENAL MEDULLA, cytology/ *ADRENAL
MEDULLA, drug effects/ ANIMAL
EXPERIMENTS/ CATECHOLAMINES,
secretion/ CATS/ CELL MEMBRANE,
metabolism/ *CELLS, secretion/ EXOCYTOSIS,
drug effects/ EXTRACELLULAR SPACE,
metabolism/ HEXAMETHONIUM COMPOUNDS,
pharmacodynamics/ IN VITRO/ MICROSCOPY,
ELECTRON/ STIMULATION, CHEMICAL/
TIME FACTORS
3403. Smith DM, Nance WE, Kang KW, et al: Genetic factors in determining bone mass.
J Clin Invest 52:2800-8, Nov 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
BODY HEIGHT/ BODY WEIGHT/ *BONE
AND BONES, anatomy & histology/ CHILD/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
OSTEOPOROSIS, familial & genetic/ RADIUS,
anatomy & histology/ SEX FACTORS/
TWINS/ *VARIATION (GENETICS)
3404. Smith DS, Turner AB, Mackle AM: Marine steroids. I. Structures of the principal aglycones from the saponins of the starfish, Marthasterias glacialis.
J Chem Soc [Perkin I] 16:1745-54, 1973
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, GAS/
HYDROXYSTERIODS, chem synthesis/
HYDROXYSTERIODS, isolation & purification/
KETOSTERIODS, chem synthesis/
KETOSTERIODS, isolation & purification/
NUCLEAR MAGNETIC RESONANCE/
SPECTRUM ANALYSIS, MASS/ *STARFISH/
*STEROLS, chem synthesis/ STEROLS,
isolation & purification
3405. Smith HC, Eastham EJ: Outbreak of abdominal pain.
Lancet 2:956-8, 27 Oct 73
*ABDOMEN/ ADOLESCENCE/ ADULT/ AGE
FACTORS/ CHILD/ CHILD, PRESCHOOL/
DIARRHEA, diagnosis/ DISEASE
OUTBREAKS/ FEMALE/ HEADACHE,
diagnosis/ HUMAN/ HYPERVENTILATION,
diagnosis/ *HYSTERIA/ MALE/ MUSCLE
CRAMP, diagnosis/ MUSIC/ NAUSEA,
diagnosis/ *PAIN/ RECREATION/ SEX
FACTORS/ TETANY, diagnosis
3406. Smith JP: Testicular tumors in infants and children.
Urology 2:353-60, 4 Oct 73
ADULT/ ANTIBIOTICS, ANTINEOPLASTIC,
therapeutic use/ ANTINEOPLASTIC AGENTS,
therapeutic use/ CHILD/ CHILD,
PRESCHOOL/ COMPARATIVE STUDY/
*DISGERMINOMA/ DISGERMINOMA, diagnosis/
DISGERMINOMA, mortality/ DISGERMINOMA,
therapy/ HUMAN/ INFANT/ INFANT,
NEWBORN/ LYMPH NODE EXCISION/
MALE/ NEOPLASM METASTASIS/ NITROGEN
MUSTARD COMPOUNDS, therapeutic use/
*TERATOID TUMOR/ TERATOID TUMOR,
diagnosis/ TERATOID TUMOR, mortality/
TERATOID TUMOR, therapy/ *TESTICULAR
NEOPLASMS/ TESTICULAR NEOPLASMS,
diagnosis/ TESTICULAR NEOPLASMS,
mortality/ TESTICULAR NEOPLASMS, therapy
3407. Smith LE Jr, Sliton GD, Vincent CK: Limited injections of follicle stimulating hormone for multiple births in beef cattle. J Anim Sci 37:523-7, Aug 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ DIETHYLSTILBESTROL,
administration & dosage/
DIETHYLSTILBESTROL, pharmacodynamics/
ESTRADIOL, administration & dosage/
ESTRADIOL, pharmacodynamics/ ESTRUS,
drug effects/ FEMALE/ FERTILIZATION/
*FSH, administration & dosage/ FSH,
pharmacodynamics/ INJECTIONS,
INTRAMUSCULAR/ INJECTIONS,
SUBCUTANEOUS/ INSEMINATION,
ARTIFICIAL/ LACTATION/
NORETHINDRONE, administration & dosage/
NORETHINDRONE, pharmacodynamics/
OVULATION, drug effects/ PREGNANCY/
*PREGNANCY, ANIMAL, drug effects/
*PREGNANCY, MULTIPLE
3408. Smith OW, Mongkonpunya K, Hafs HD, et al: Blood serum testosterone after sexual preparation or ejaculation, or after injections of LH or prolactin in hulls. J Anim Sci 37:979-84, Oct 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ CIRCADIAN RHYTHM/
*EJACULATION/ INJECTIONS,
INTRAVENOUS/ *LH,
administration & dosage/ LH, blood/ MALE/
*PROLACTIN, administration & dosage/
PROLACTIN, blood/ RADIOIMMUNOASSAY/
*SEX BEHAVIOR, ANIMAL/
TESTOSTERONE, blood
3409. Smith OW, Zuckerman NG: Estrogen biosynthesis from testosterone-4-14C by post-ovulatory human ovaries. Comparison between the corpus luteum ovary and its partner. Steroids 22:379-99, Sep 73

AUTHOR SECTION

- ANDROSTENEDIONE, isolation & purification/
CARBON RADIOISOTOPES/ CASTRATION/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ *CORPUS LUTEUM,
metabolism/ CRYSTALLIZATION/ ESTERS,
isolation & purification/ ESTRADIOL,
biosynthesis/ ESTRIOL, biosynthesis/
*ESTROGENS, biosynthesis/ ESTRONE,
biosynthesis/ FEMALE/ HUMAN/
HYDROXYSTEROIDS, isolation & purification/
IN VITRO/ METHODS/ ORGAN WEIGHT/
*OVARY, metabolism/ OVULATION/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TESTOSTERONE, isolation & purification/
*TESTOSTERONE, metabolism
3410. Smith PD: Mutagen sensitivity of *Drosophila*
melanogaster. I. Isolation and preliminary
characterization of a methyl
methanesulphonate-sensitive strain.
Mutat Res 20:215-20, Nov 73
ANIMAL EXPERIMENTS/ DROSOPHILA
MELANOGASTER, classification/
*DROSOPHILA MELANOGASTER,
drug effects/ GENES, LETHAL/ GENES,
RECESSIVE/ GENOTYPE/ LINKAGE
(GENETICS)/ *METHANESULFONATES,
pharmacodynamics/ MUTAGENS,
pharmacodynamics/ *MUTATION, drug effects/
PHENOTYPE/ RECOMBINATION, GENETIC/
SEX CHROMOSOMES, drug effects
3411. Smith RD: Total hip replacement: metal against metal.
Review and analysis of cases-1961-1972.
Clin Orthop 95:43-7, Sep 73
ADULT/ AGED/ ARTHRITIS, surgery/
ARTHROPLASTY/ BONE SCREWS/
CALCINOSIS, etiology/ *CHROMIUM-COBALT
ALLOYS/ ERYTHEMA NODOSUM, etiology/
FEMALE/ FOLLOW-UP STUDIES/ *HIP,
surgery/ HIP DISLOCATION, etiology/ *HIP
JOINT/ HUMAN/ *JOINT PROSTHESIS/
JOINT PROSTHESIS, adverse effects/ MALE/
METHODS/ MIDDLE AGE/ MUSCULAR
DISEASES, etiology/ OSTEOPOROSIS, surgery/
PNEUMONIA, etiology/ POSTOPERATIVE
COMPLICATIONS/ PROSTHESIS DESIGN/
STAPHYLOCOCCAL INFECTIONS, etiology/
THROMBOPHLEBITIS, etiology
3412. Smith RW: The effects of pregnancy, lactation and
involution on the metabolism of glucose by rat
parametrial adipose tissue.
J Dairy Res 40:353-60, Oct 73
ADIPOSE TISSUE, enzymology/ ADIPOSE
TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ CARBON DIOXIDE,
biosynthesis/ CARBON RADIOISOTOPES/
FATTY ACIDS, biosynthesis/ FEMALE/
*GLUCOSE, metabolism/
GLUCOSEPHOSPHATE DEHYDROGENASE,
metabolism/ GLYCERIN, biosynthesis/
*LACTATION/ PHOSPHOGLUCONATE
DEHYDROGENASE, metabolism/ PREGNANCY/
*PREGNANCY, ANIMAL/ RATS/
TRIGLYCERIDES, biosynthesis/ UTERUS,
enzymology/ *UTERUS, metabolism
3413. Smith RW: The effects of pregnancy, lactation and
involution on the metabolism of glucose and acetate
by rat liver tissue. J Dairy Res 40:339-51, Oct 73
*ACETATES, metabolism/ ACETYL COA
CARBOXYLASE, metabolism/ ANIMAL
EXPERIMENTS/ ATP CITRATE LYASE,
metabolism/ CARBON RADIOISOTOPES/
CHOLESTEROL, biosynthesis/ FATTY ACIDS,
biosynthesis/ FEMALE/ *GLUCOSE,
metabolism/ GLUCOSEPHOSPHATE
DEHYDROGENASE, metabolism/
LACTATION/ LIVER, enzymology/ *LIVER,
metabolism/ PHOSPHOGLUCONATE
DEHYDROGENASE, metabolism/
PHOSPHOLIPIDS, biosynthesis/ PREGNANCY/
*PREGNANCY, ANIMAL/ RATS/
TRIGLYCERIDES, biosynthesis/ *UTERUS,
physiology
3414. Smithers DW, Wallace DM, Austin DE: Fertility after
unilateral orchidectomy and radiotherapy for patients
with malignant tumours of the testis.
Br Med J 4:77-9, 13 Oct 73
ADULT/ AGE FACTORS/ *CASTRATION/
DISGERMINOMA, radiotherapy/
DISGERMINOMA, surgery/ EJACULATION/
*FERTILITY/ HUMAN/ IMPOTENCE, etiology/
LYMPH NODE EXCISION/ LYMPHOGRAPHY/
MALE/ MIDDLE AGE/ POSTOPERATIVE
COMPLICATIONS/ TERATOID TUMOR,
radiography/ TERATOID TUMOR,
radiotherapy/ TERATOID TUMOR, surgery/
TESTICULAR NEOPLASMS, mortality/
*TESTICULAR NEOPLASMS, radiotherapy/
TESTICULAR NEOPLASMS, surgery
3415. Smookier HH, Goebel KH, Siegel MI, et al:
Hypertensive effects of prolonged auditory, visual
and motion stimulation. Fed Proc 32:2105-10, Nov 73
*ACOUSTIC STIMULATION/ ADRENAL
GLANDS, enzymology/ ANIMAL
EXPERIMENTS/ CORTICOSTERONE, blood/
DESOXYCORTICOSTERONE,
pharmacodynamics/ ELECTRIC STIMULATION,
FEMALE/ HYDROXYDOPAMINE,
pharmacodynamics/ *HYPERTENSION,
etiology/ HYPERTENSION, physiopathology/
HYPOTHALAMUS, enzymology/ MALE/
MEDULLA OBLONGATA, enzymology/
MOLAR, anatomy & histology/ *MOTION/
NOREPINEPHRINE, pharmacodynamics/
*PHOTIC STIMULATION/ PONS, enzymology/
PREGNANCY/ PREGNANCY
COMPLICATIONS/ RATS/ STRESS,
complications/ SYMPATHETIC NERVOUS
SYSTEM, drug effects/ SYMPATHETIC
NERVOUS SYSTEM, physiology/ TIME
FACTORS/ TYROSINE HYDROXYLASE,
metabolism
3416. Smythe GA, Lazarus L: Growth hormone regulation b
melatonin and serotonin. Nature 244:230-1, 27 Jul 73
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ CYPROHEPTADINE,
pharmacodynamics/ DEPRESSION, CHEMICAL/
FEMALE/ HYDROXYTRYPTOPHAN,
pharmacodynamics/ MALE/ *MELATONIN,
pharmacodynamics/ PINEAL BODY,
physiology/ RADIOIMMUNOASSAY/ RATS/
SEROTONIN, metabolism/ *SEROTONIN,
pharmacodynamics/ SOMATOTROPIN, blood/
*SOMATOTROPIN, secretion/ STIMULATION,
CHEMICAL
3417. Sneddon I: A trial of hydrocortisone butyrate in the
treatment of rosacea and perioral dermatitis.
Br J Dermatol 89:505-8, Nov 73
ADULT/ ATROPHY, drug therapy/
BUTYRATES, therapeutic use/ CLINICAL
RESEARCH/ *DERMATITIS, drug therapy/
DRUG INTERACTIONS/ FEMALE/ HUMAN/
*HYDROCORTISONE, therapeutic use/ MALE/
MIDDLE AGE/ *ROSACEA, drug therapy/
TELANGIECTASIS, drug therapy/
TETRACYCLINE, therapeutic use
3418. Snippe H, Bruijnzeel PL, Willers JM: Effects of
immunosuppressive treatment on the in vitro activity
of mouse lymphoid cells after stimulation by PHA and
allogeneic cells.
Int Arch Allergy Appl Immunol 45:731-43, 1973
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE
SERUM, pharmacodynamics/ ASCITIC FLUID,
cytology/ BONE MARROW CELLS/ CELLS,
CULTURED/ CORTISONE, pharmacodynamics/
CYCLOPHOSPHAMIDE, pharmacodynamics/
*IMMUNOSUPPRESSIVE AGENTS,
pharmacodynamics/ LEUKOCYTE CULTURE
TEST, MIXED/ *LYMPHOCYTE
TRANSFORMATION, drug effects/
LYMPHOCYTES, drug effects/
*LYMPHOCYTES, immunology/
LYMPHOCYTES, radiation effects/ MALE/
MICE/ MICE, INBRED BALB C/ MICE,
INBRED STRAINS/ PEYER'S PATCHES,
cytology/ PLANT AGGLUTININS,
pharmacodynamics/ RADIATION EFFECTS/
SPLEEN, cytology/ THYMIDINE, metabolism/
THYMUS GLAND, cytology/ TRITIUM
3419. Snodgrass SR: Studies on GABA and protein synthesis
Brain Res 59:339-48, 14 Sep 73

AUTHOR SECTION

- ALANINE, metabolism/ *AMINO BUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN, metabolism/ CARBON RADIOISOTOPES/ CEREBELLUM, drug effects/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, metabolism/ DOPAMINE, pharmacodynamics/ FEMALE/ GLYCINE, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ LEUCINE, metabolism/ MALE/ *NERVE TISSUE PROTEINS, biosynthesis/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PHENYLALANINE, metabolism/ *POLYRIBOSOMES, drug effects/ SEROTONIN, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ URACIL NUCLEOTIDES, pharmacodynamics
420. So PL, Chan TK, Lam SK, et al: Cortisol metabolism in glucose-6-phosphate dehydrogenase deficiency. *Metabolism* 23:1443-8, Nov 73
ADOLESCENCE/ ADULT/ CORTICOTROPIN, pharmacodynamics/ ERYTHROCYTES, metabolism/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE DEFICIENCY, metabolism/ HUMAN/ *HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ LEUKOCYTES, metabolism/ MALE/ MIDDLE AGE/ STIMULATION, CHEMICAL
421. Sobonya RE, Kleinerman J: Recurrent pulmonary edema induced by alpha l-naphthyl thiourea. *Am Rev Respir Dis* 108:926-32, Oct 73
ANIMAL EXPERIMENTS/ DISEASE MODELS, ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEMATOCRIT/ HYPOPROTEINEMIA, chemically induced/ LUNG, pathology/ MALE/ NAPHTHALENES/ PLEURAL EFFUSION, chemically induced/ PLEURAL EFFUSION, pathology/ PULMONARY ALVEOLI, pathology/ *PULMONARY EDEMA, chemically induced/ PULMONARY EDEMA, pathology/ PULMONARY FIBROSIS/ RATS/ RECURRENCE/ *RODENTICIDES/ TACHYPHYLAXIS/ *THIOUREA
422. Soest SW, Farner DS: Fluorescence microscopy of neurons containing primary catecholamines in the ventral hypothalamus of the white-crowned sparrow, *Zonotrichia leucophrys gambelli*. *Z Zellforsch Mikrosk Anat* 141:1-17, 26 Jul 73
ANIMAL EXPERIMENTS/ *BIRDS/ CASTRATION/ *CATECHOLAMINES, analysis/ CEREBRAL VENTRICLES/ CIRCADIAN RHYTHM/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, cytology/ MALE/ MICROSCOPY, FLUORESCENCE/ NERVE ENDINGS/ NEURONS, analysis/ *NEURONS, cytology/ PHOTIC STIMULATION/ RATS/ SYNAPSES
423. Sohval AR, Gabrilove JL, Churg J: Ultrastructure of Leydig cell paracrystalline inclusions, possibly related to Reinke crystals, in the normal human testis. *Z Zellforsch Mikrosk Anat* 142:13-26, 27 Aug 73
CELL MEMBRANE/ CELL NUCLEUS/ *CELLULAR INCLUSIONS/ *CRYSTALLIZATION/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ HUMAN/ *LEYDIG CELLS, cytology/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ TESTIS, cytology
424. Solka CV: Gynecologic cytology. *Am J Nurs* 73:2092-4, Dec 73
ADULT/ *CERVIX NEOPLASMS, diagnosis/ ESTROGENS, analysis/ FEMALE/ HUMAN/ MIDDLE AGE/ *UTERINE NEOPLASMS, diagnosis/ VAGINA, cytology/ *VAGINAL SMEARS
425. Sokol HW, Sise J: The effect of exogenous vasopressin and growth hormone on the growth of rats with hereditary hypothalamic diabetes insipidus. *Growth* 37:127-42, Jun 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BONE DEVELOPMENT, drug effects/ *DIABETES INSIPIDUS, physiopathology/ DIABETES INSIPIDUS, veterinary/ FEMALE/ *GROWTH, drug effects/ HEREDITARY DISEASES, physiopathology/ *HEREDITARY DISEASES, veterinary/ MALE/ OSMOLAR CONCENTRATION/ RATS/ SEX FACTORS/ *SOMATOTROPIN, pharmacodynamics/ TAIL/ URINE/ *VASOPRESSIN, pharmacodynamics/ WATER, metabolism
3426. Sokolowski JH, Zimbelman RG, Goyings LS: Canine reproduction: reproductive organs and related structures of the nonparous, parous, and postpartum bitch. *Am J Vet Res* 34:1001-13, Aug 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ CASTRATION/ CERVIX UTERI, anatomy & histology/ *DOGS, anatomy & histology/ DOGS, physiology/ ESTRUS/ FEMALE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVULATION/ PITUITARY GLAND, anatomy & histology/ PREGNANCY/ *PUERPERIUM/ *REPRODUCTION/ UTERUS, anatomy & histology/ VAGINA, anatomy & histology
3427. Solem JH, Tolás P, Wisloff F: En etterundersøkelse av pasienter operert for non-toksisk struma og thyreotoksikose. *Eb* 10-årsmateriale. *Tidsskr Nor Lægeforen* 93:1223-5, 10 Jun 73 (Nor)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ GOITER, blood/ GOITER, pathology/ *GOITER, surgery/ GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, pathology/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, pathology/ *HYPERTHYROIDISM, surgery/ IODINE RADIOISOTOPES/ MALE/ NORWAY/ POSTOPERATIVE COMPLICATIONS/ RECURRENCE
3428. Sollman MH, el-Waseef A, Konbor AA, et al: Comparison of x-ray and neutron radiography of pathologic bone samples. *Invest Radiol* 8:326-32, Sep-Oct 73
AUTOPSY/ *BONE AND BONES, radiography/ *BONE DISEASES, radiography/ COMPARATIVE STUDY/ HUMAN/ *NEUTRONS/ *TECHNOLOGY, RADIOLOGIC
3429. Soller M, Koenig H, Myrle R, et al: Isolation and characterization of soluble acidic lipoproteins from rat brain synaptic vesicles. *J Neurochem* 21:557-72, Sep 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN CHEMISTRY/ CELL FRACTIONATION/ CEREBRAL CORTEX, analysis/ CEREBRAL CORTEX, cytology/ CHROMAFFIN SYSTEM, analysis/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ISOELECTRIC FOCUSING/ *LIPOPROTEINS, analysis/ LIPOPROTEINS, LDL, analysis/ LIPOPROTEINS, VLDL, analysis/ MICROSCOPY, ELECTRON/ NERVE TISSUE PROTEINS, analysis/ PHOSPHOLIPIDS, analysis/ RATS/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STAINS AND STAINING/ SURFACE-ACTIVE AGENTS/ *SYNAPTIC VESICLES, analysis/ ULTRACENTRIFUGATION
3430. Solo AJ, Eng S, Singh B: Bridged D-ring steroid analogs. XII. Effect of D-ring substituents on chemical shift of angular methyl protons. *J Pharm Sci* 62:1471-5, Sep 73
ANDROSTENES/ CHEMISTRY/ HYDROGEN/ 17-KETOSTEROIDS/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ PREGNANES/ PROTONS/ *STEROIDS
3431. Solov'eva EP: K voprosu o gormonal'noi kol'potsitologii plodov cheloveka. *Vopr Okhr Materin Det* 18:72-7, Jun 73 (Rus)
AGE FACTORS/ AUTOPSY/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, analysis/ FEMALE/ FETUS/ HUMAN/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *SEX

AUTHOR SECTION

- HORMONES, physiology/ *VAGINA, cytology/
VAGINAL SMEARS
3432. Solymoss B, Zsigmond G: Effect of various steroids on the hepatic glucuronidation and biliary excretion of bilirubin. *Can J Physiol Pharmacol* 51:319-23, May 73
ANIMAL EXPERIMENTS/ BILE, drug effects/
BILE, metabolism/ BILE PIGMENTS,
metabolism/ BILIRUBIN/ *BILIRUBIN,
metabolism/ BODY WEIGHT, drug effects/
FEMALE/ GLUCURONATES/
*GLUCURONATES, biosynthesis/
HEXOSYLTRANSFERASES, metabolism/
HYDROCORTISONE, pharmacodynamics/
KINETICS/ LIVER, drug effects/ LIVER,
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enzymology/ MICROSOMES, LIVER,
metabolism/ ORGAN WEIGHT/
PHENOBARBITAL, pharmacodynamics/
PREGNENOLONE CARBONITRILE,
pharmacodynamics/ RATS/ SPIRONOLACTONE,
pharmacodynamics
3433. Somma M, Lanthier A: Acromégalie-gigantisme. Etude clinique et biologique. *Neurochirurgie* 19:Suppl 2:57-73, May 73 (Fre)
*ACROMEGALY, diagnosis/ ACROMEGALY,
etiology/ ADOLESCENCE/ ADULT/ AGED/
BLOOD SUGAR, analysis/ CHILD/ CHILD,
PRESCHOOL/ DIABETES MELLITUS, etiology/
ENGLISH ABSTRACT/ FEMALE/
*GIGANTISM, diagnosis/ GIGANTISM, etiology/
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GONADOTROPINS, PITUITARY, analysis/
HUMAN/ HYPOPHYSITARISM, etiology/
MALE/ MIDDLE AGE/ PITUITARY
HORMONES, analysis/ PITUITARY
NEOPLASMS, complications/ *PITUITARY
NEOPLASMS, diagnosis/ PITUITARY
NEOPLASMS, radiotherapy/ PITUITARY
NEOPLASMS, surgery/ SOMATOTROPIN,
blood
3434. Somma M, Lanthier A: Acromégalie-gigantisme. Traitement chirurgical par exérèse transphénoïdale de l'adénome hypophysaire. Evaluation clinique et biologique postopératoire et résultats thérapeutiques. *Neurochirurgie* 19:Suppl 2:101-16, May 73 (Fre)
ACROMEGALY, etiology/ *ADENOMA,
surgery/ ADULT/ CHILD/ ENGLISH
ABSTRACT/ FEMALE/ GIGANTISM, etiology/
HUMAN/ *HYPOPHYSECTOMY/
HYPOPHYSITARISM, etiology/ MALE/
METHODS/ MIDDLE AGE/ PITUITARY
NEOPLASMS, complications/ *PITUITARY
NEOPLASMS, surgery/ POSTOPERATIVE
CARE/ POSTOPERATIVE COMPLICATIONS/
SOMATOTROPIN, analysis/ *SPHENOID
SINUS, surgery
3435. Sommer F, Schmidt-Hermes HJ, Schmidt N: Wert der Lymphographie bei der Stadieneinteilung maligner Erkrankungen und bei der Bestrahlungsplanung. *Strahlentherapie* 146:52-9, Jul 73 (Ger)
AGED/ ENGLISH ABSTRACT/ FEMALE/
HODGKIN'S DISEASE, pathology/ *HODGKIN'S
DISEASE, radiography/ HUMAN/
*LYMPHOGRAPHY/ MALE/ TESTICULAR
NEOPLASMS, pathology/ *TESTICULAR
NEOPLASMS, radiography/ TESTICULAR
NEOPLASMS, radiotherapy/ UTERINE
NEOPLASMS, pathology/ *UTERINE
NEOPLASMS, radiography/ UTERINE
NEOPLASMS, radiotherapy
3436. Sommers SC, Long ME: Ovarian carcinoma: pathology, staging, grading, and prognosis. *Bull NY Acad Med* 49:858-69, Oct 73
CARCINOMA/ CYSTADENOCARCINOMA/
DISGERMINOMA/ FEMALE/ GRANULOSA
CELL TUMOR/ HUMAN/ MESONEPHROMA/
NEOPLASM METASTASIS/ OVARIAN
NEOPLASMS, classification/ *OVARIAN
NEOPLASMS, pathology/ PROGNOSIS
3437. Somova L, Petkov O, Orbetsova V: Kollchestueni promeni na prostaglandinite v bubretsite na normotonicni i khpertonicni zbitovni pod vlianie na aspirinopodobni preparati. *Eksp Med Morfol* 11:168-72, 1972 (Bul)
*ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *ASPIRIN, pharmacodynamics/
BLOOD PRESSURE, drug effects/
*HYPERTENSION, metabolism/
*INDOMETHACIN, pharmacodynamics/
*PROSTAGLANDINS, secretion/ RATS/
SECRETORY RATE, drug effects
3438. Sonnenschein H: Endotoxin shock in infants and children. *Med Trial Tech Q* 134-43, 1973
CHILD/ CHILD, PRESCHOOL/
DEHYDRATION, drug therapy/
DISSEMINATED INTRAVASCULAR
COAGULATION, etiology/ HEPARIN,
therapeutic use/ HUMAN/ HYDROCORTISONE,
therapeutic use/ INFANT/ INFANT,
NEWBORN/ PENICILLIN, therapeutic use/
SHOCK, ENDOTOXIC, complications/ SHOCK,
ENDOTOXIC, diagnosis/ *SHOCK,
ENDOTOXIC, drug therapy
3439. Sonntag RW: Therapie des multiplen Myeloms: Ihre Entwicklung und Zukunft. *Ther Umsch* 30:641-5, Sep 73 (Ger)
DRUG SYNERGISM/ DRUG THERAPY,
COMBINATION/ ENGLISH ABSTRACT/
HUMAN/ MELPHALAN, therapeutic use/
*MULTIPLE MYELOMA, drug therapy/
PREDNISONE, therapeutic use
3440. Sosis AC, Panet-Raymond G, Goldenberg DM: XYY chromosome complement in a patient with nodulocystic acne. *Dermatologica* 146:222-8, 1973
*ACNE, familial & genetic/ ACNE,
microbiology/ ADOLESCENCE/ *CHROMOSOME
ABERRATIONS/ ELECTROCARDIOGRAPHY/
GRAM NEGATIVE BACTERIA, isolation &
purification/ HEART AUSCULTATION/
HEART BLOCK, diagnosis/ HUMAN/
KARYOTYPING/ LINCOMYCIN, therapeutic
use/ MALE/ MICROSCOPY, FLUORESCENCE/
*SEX CHROMOSOMES/ STAPHYLOCOCCUS,
isolation & purification/ VITAMIN A,
therapeutic use
3441. Soskin VD, Buniatlan AF, Meshcheriakova SA: AKTG summarnye 11-OKS krovi pri endovezikal'nykh lecheniynkhl diagnosticheskiikh vmeshatel'styakh po sobrevivovym narkozom v urologii. *Eksp Khir Anesteziol* 18:73-8, Mar-Apr 73 (Rus)
ADULT/ AGED/ *ANESTHESIA,
INTRAVENOUS/ *BLADDER, surgery/
COMPARATIVE STUDY/ *CORTICOTROPIN,
blood/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ *11-HYDROXYCORTICOSTEROIDS,
blood/ MALE/ MIDDLE AGE/ *PROPANIDID
3442. Spaeren U, Olsnes S, Brennhovd I, et al: Content of estrogen receptors in human breast cancer. *Eur J Cancer* 9:353-7, May 73
ADULT/ AGED/ *BREAST NEOPLASMS,
metabolism/ CENTRIFUGATION, DENSITY
GRADIENT/ CYTOSOL, metabolism/
*ESTRADIOL, metabolism/ FEMALE/ HUMAN
MIDDLE AGE/ *RECEPTORS, HORMONE/
TRITIUM
3443. Spanos WJ: Preoperative hormonal therapy of cystic adnexal masses. *Trans Pac Coast Obstet Gynecol Soc* 40:111-6, 1973
ADNEXAL DISEASES, diagnosis/ *ADNEXAL
DISEASES, drug therapy/ ADOLESCENCE/
ADULT/ *CYSTS, drug therapy/ DIAGNOSIS,
DIFFERENTIAL/ *ESTROGENS, therapeutic
use/ FEMALE/ HUMAN/ MIDDLE AGE/
OVARIAN NEOPLASMS, diagnosis/
*PREOPERATIVE CARE/ *PROGESTERONE,
therapeutic use
3444. Spaventi S, Agbaba M, Bosnar M, et al: Selective scintigraphic lymphography of the testes. *Nucl Med (Stuttg)* 12:148-53, 31 Aug 73
GOLD COLLOID, RADIOACTIVE, diagnostic
use/ HUMAN/ LYMPHATIC METASTASIS/
LYMPHOGRAPHY/ MALE/ METHODS/
*RADIOISOTOPE SCANNING/ *TESTICULAR
NEOPLASMS, diagnosis
3445. Speck B, Kissling M: Studies on bone marrow

AUTHOR SECTION

- transplantation in experimental 32P-induced aplastic anemia after conditioning with antilymphocyte serum. *Acta Haematol* (Basel) 50:193-9, Oct 73
 *ANEMIA, APLASTIC, blood/ ANEMIA, APLASTIC, immunology/ ANIMAL EXPERIMENTS/ *ANTILYMPHOCYTE SERUM, pharmacodynamics/ *BONE MARROW CELLS, transplantation/ ERYTHROCYTES/ HORSES, immunology/ ISOANTIGENS, analysis/ LEUKOCYTE CULTURE TEST, MIXED/ MALE/ MOSAICISM/ PHOSPHORUS RADIOISOTOPES/ RABBITS/ RADIATION CHIMERA/ RADIATION EFFECTS/ SEX CHROMOSOMES/ SKIN, transplantation/ SPLENECTOMY/ TRANSPLANTATION, HOMOLOGOUS/ *TRANSPLANTATION IMMUNOLOGY, radiation effects
6. Spence AM, Herman MM: Critical re-examination of the premature aging concept in progeria: a light and electron microscopic study.
Mech Ageing Dev 2:211-25, Aug-Sep 73
 ADOLESCENCE/ ADULT/ *AGING/ ARTERIOSCLEROSIS, pathology/ BONE AND BONES, pathology/ BRAIN, pathology/ CEREBRAL CORTEX, analysis/ CHILD/ CORONARY VESSELS, pathology/ CYTOPLASM/ HAIR, growth & development/ HUMAN/ KIDNEY, analysis/ LIPIDS/ LIVER, analysis/ MALE/ MEMBRANES, pathology/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ MIDDLE AGE/ MUSCLES, analysis/ MYOCARDIUM, analysis/ NEURONS, analysis/ PIGMENTS, analysis/ PROGERIA, pathology/ *PROGERIA, physiopathology/ SPINAL CORD, analysis/ STAINS AND STAINING
17. Spencer T, Bygrave FL: The role of mitochondria in modifying the cellular ionic environment: studies of the kinetic accumulation of calcium by rat liver mitochondria. *J Bioenerg* 4:347-62, Apr 73
 ACETATES, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIMYCIN A, pharmacodynamics/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ CARBON ISOTOPES/ DEPRESSION, CHEMICAL/ GLYCOSIDES, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIA, LIVER, physiology/ OLIGOMYCIN, pharmacodynamics/ PHOSPHATES, pharmacodynamics/ RATS/ ROTENONE, pharmacodynamics/ STIMULATION, CHEMICAL/ SUCCINATES, pharmacodynamics
18. Sperling MA, Erenberg A, Fiser RH, et al: Placental transfer of glucagon in sheep.
Endocrinology 93:1435-8, Dec 73
 ANIMAL EXPERIMENTS/ FEMALE/ FETUS/ GLUCAGON, blood/ *GLUCAGON, metabolism/ IODINE RADIOISOTOPES/ *MATERNAL-FETAL EXCHANGE/ *PLACENTA, metabolism/ PREGNANCY/ RABBITS, immunology/ SHEEP
19. Spielmann H, Erickson RP, Epstein CJ: The separation of lactate dehydrogenase X from other lactate dehydrogenase isozymes of mouse testes by affinity chromatography. *FEBS Lett* 35:19-23, 1 Sep 73
 AMMONIUM SULFATE/ ANILINE COMPOUNDS/ ANIMAL EXPERIMENTS/ CARBODIIMIDES/ CHEMISTRY/ CHROMATOGRAPHY, AFFINITY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *LACTATE DEHYDROGENASE ISOENZYMES, isolation & purification/ MALE/ METHODS/ MICE/ OXALATES/ POLYSACCHARIDES/ PRECIPITATION/ *TESTIS, enzymology
20. Spiess H: Gefahren der D-Vitamin-Überdosierung-tierexperimentelle Untersuchungen.
Monatsschr Kinderheilkd 121:364-5, Jul 73 (Ger)
 AGE FACTORS/ ANIMAL EXPERIMENTS/ CALCINOSIS, chemically induced/ RABBITS/ VASCULAR DISEASES, chemically induced/ VITAMIN D, administration & dosage/ *VITAMIN D, adverse effects
3451. Splenssens H, Uyttenbroeck F: Evaluation of the changes of in vitro thyroid function tests during pregnancy (binding capacity of triiodothyronine, dosage of total thyroxine, free thyroxine and its computed T7-index). *J Belge Radiol* 56:217-22, May-Jun 73
 ADULT/ FEMALE/ HUMAN/ *PREGNANCY/ PROTEIN BINDING/ PUERPERIUM/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood
3452. Spigel SC, Coltman CA Jr: Therapy of mycosis fungoides with bleomycin. *Cancer* 32:767-70, Oct 73
 BLEOMYCIN, administration & dosage/ *BLEOMYCIN, therapeutic use/ CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ MALE/ MIDDLE AGE/ *MYCOSIS FUNGOIDES, drug therapy/ PREDNISONE, therapeutic use
3453. Spigel SC, Coltman CA Jr, Costanzi JJ: Disseminated breast carcinoma. Treatment with combination chemotherapy. *Arch Intern Med* 132:575-7, Oct 73
 *ADENOCARCINOMA, drug therapy/ ADULT/ *BREAST NEOPLASMS, drug therapy/ *CARCINOMA, drug therapy/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ CYCLOPHOSPHAMIDE, toxicity/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, administration & dosage/ FLUOROURACIL, therapeutic use/ FLUOROURACIL, toxicity/ HUMAN/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ METHOTREXATE, toxicity/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PREDNISONE, toxicity/ VINCRIStINE, administration & dosage/ VINCRIStINE, therapeutic use/ VINCRIStINE, toxicity
3454. Spilman CH, Seidel GE Jr, Larson LL, et al: Progesterone, 20 beta-hydroxypregn-4-en-3-one, and luteinizing hormone levels in superovulated prepuberal and postpuberal cattle.
Biol Reprod 9:116-24, Sep 73
 ANIMAL EXPERIMENTS/ ASCORBIC ACID/ CATTLE/ *CATTLE, physiology/ CORPUS LUTEUM, analysis/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, EQUINE, administration & dosage/ *INJECTIONS, INTRAMUSCULAR/ LH, administration & dosage/ *LH, analysis/ OVARY, analysis/ OVULATION, drug effects/ *PROGESTERONE, analysis/ PUBERTY
3455. Spona J: LH-RH stimulated gonadotropin release mediated by two distinct pituitary receptors.
FEBS Lett 35:59-62, 1 Sep 73
 ANIMAL EXPERIMENTS/ BINDING SITES/ CASTRATION/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ FEMALE/ FSH, secretion/ *GONADOTROPINS, PITUITARY, secretion/ IN VITRO/ IODINE RADIOISOTOPES/ LH, secretion/ LH-FSH RELEASING HORMONE, metabolism/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ OVARY, physiology/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TIME FACTORS
3456. Sporn MB, Duniop NM, Yuspa SH: Retinyl acetate: effect on cellular content of RNA in epidermis in cell culture in chemically defined medium.
Science 182:722-3, 16 Nov 73

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CELLS, CULTURED/ DNA, biosynthesis/ DRUG SYNERGISM/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ MICE/ MICE, INBRED BALB C/ PROTEINS, biosynthesis/ *RNA, biosynthesis/ *SKIN, metabolism/ *VITAMIN A, pharmacodynamics
3457. Sprinzel L, Kopeček J, Lím D: Effect of the structure of poly(glycol monomethacrylate) gel on the calcification of implants. *Calcif Tissue Res* 13:63-72, 1973
ACRYLATES, pharmacodynamics/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCINOSIS, physiopathology/ CALCIUM, metabolism/ CONNECTIVE TISSUE, metabolism/ GELS/ MOLECULAR CONFORMATION/ *POLYMERS, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ WOUND HEALING, drug effects
3458. Squadrilo G, Frisina N, Emanuele M, et al: Adenoma tossico e tireopatie. Osservazioni scintigrafiche e cliniche. *Minerva Med* 64:2978-82, 4 Aug 73 (Ita)
ADENOMA, diagnosis/ ADULT/ BASAL METABOLISM/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ IODOPROTEINS, blood/ MALE/ MIDDLE AGE/ *RADIOISOTOPE SCANNING/ THYROID GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, diagnosis/ TRIIODOTHYRONINE, diagnostic use
3459. Srebro Z, Rzehak K: Karyometry of neurosecretory hypothalamus in mononephrectomized rats. *Anat Anz* 133:199-206, 1973
ANIMAL EXPERIMENTS/ FEMALE/ *HYPOTHALAMUS, cytology/ *KARYOMETRY/ *NEPHRECTOMY/ NEUROSECRETION/ RATS/ STRESS/ TIME FACTORS
3460. Srinivasan V, Kell E, Villalba R, et al: Lactic dehydrogenase isozymes in benign and malignant prostatic tissues. *Invest Urol* 11:244-7, Nov 73
BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENS, therapeutic use/ EVALUATION STUDIES/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ HISTOCYTOCHEMISTRY/ HUMAN/ *LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ MALE/ MASS SCREENING/ *PROSTATE, enzymology/ PROSTATIC HYPERTROPHY, diagnosis/ PROSTATIC HYPERTROPHY, enzymology/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, enzymology
3461. Srivastava KC, Clausen J: Stability of prostaglandin E compounds in solution. *Lipids* 8:592-4, Oct 73
ACETATES/ ALCOHOL, ETHYL/ CHLOROFORM/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ DRUG STABILITY/ ESTERS/ LIGHT/ *PROSTAGLANDINS/ SOLUTIONS/ TIME FACTORS
3462. Srivastava KP, Tiwari RK: Secretory factors in the retrocerebral endocrine-aortal complex of the water-bug, *Sphaerodema annulatum* (Heteroptera: Belostomatidae). *Gen Comp Endocrinol* 21:398-401, Oct 73
ANIMAL EXPERIMENTS/ *AORTA, cytology/ AORTA, secretion/ *BRAIN, cytology/ BRAIN, secretion/ *INSECTS, anatomy & histology/ *NEUROSECRETORY SYSTEMS, cytology
3463. Stacher A: Therapie der akuten Leukosen. *Wien Med Wochenschr* 123:549-54, 22 Sep 73 (Ger)
ACUTE DISEASE/ ADULT/ ANTINEOPLASTIC AGENTS, administration & dosage/ *ANTINEOPLASTIC AGENTS, therapeutic use/ ASPARAGINASE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ FEMALE/ HUMAN/ INFECTION, prevention & control/ *LEUKEMIA, drug therapy/ LEUKEMIA, mortality/ LIFE EXPECTANCY/ MALE/ MERCAPTOPYRINE, therapeutic use/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PATIENT ISOLATORS/ PREDNISOLONE, therapeutic use/ THIOPURINE, therapeutic use/ TIME FACTORS/ VINCRISTINE, therapeutic use
3464. Städtler F, Horn HJ: Histometrische und fermenthistochemische Untersuchungen an menschlichen Hodenbiopsien vor und unter Antandrogenbehandlung. *Verh Dtsch Ges Kreislaufforsch* 56:580-3, 1972 (Ger)
ADULT/ AGED/ BIOPSY/ CYPROTERONE, therapeutic use/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROXYSTEROID DEHYDROGENASES, analysis/ MALE/ MIDDLE AGE/ SEX DEVIATION, drug therapy/ SEX DEVIATION, enzymology/ *SEX DEVIATION, pathology/ TESTIS, drug effects/ TESTIS, enzymology/ *TESTIS, pathology
3465. Staemmler HJ: Genitalblutungen in der Frühschwangerschaft. *Dtsch Med Wochenschr* 98:1683, 7 Sep 73 (Ger)
DRUG COMBINATIONS/ *ESTROGENS, adverse effects/ ETHINYL ESTRADIOL, adverse effects/ ETHISTERONE, adverse effects/ FEMALE/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, chemically induced/ *PREGESTATIONAL HORMONES, adverse effects/ *UTERINE HEMORRHAGE, chemically induced
3466. Stahl KW, Schlimme E, Bojanowski D: High-pressure liquid chromatography of modified purine mononucleotides and nucleosides. *J Chromatogr* 83:395-404, 29 Aug 73
*ADENINE NUCLEOTIDES, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE DIPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ GLASS/ GUANOSINE, analysis/ HYDROGEN-ION CONCENTRATION/ INOSINE, analysis/ METHODS/ MODELS, STRUCTURAL/ *NUCLEOSIDES, analysis/ OXIDATION-REDUCTION/ PRESSURE/ *PURINES, analysis/ RATS/ TEMPERATURE/ URIDINE, analysis
3467. Stahl TJ, Shapiro B: Use of human thyrotrophic radioimmunoassay in the management of patients with thyroid carcinoma. *J Nucl Med* 14:900-2, Dec 73
*ADENOCARCINOMA, surgery/ ADULT/ *CARCINOMA, PAPILLARY, surgery/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY/ *THYROTROPIN, blood/ TIME FACTORS
3468. Stalder De Alonso, Weinstein M, Sartorio G, et al: Changes in red cell carbonic anhydrase B and serum iodothyronines in hyperthyroid subjects following 131-I treatment. *Medicina (B Aires)* 33:394-7, Jul-Aug 73
*CARBONIC ANHYDRASE, blood/ *ERYTHROCYTES, enzymology/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, therapeutic use/ *TRIIODOTHYRONINE, blood
3469. Stanbury JB: Cretinism and the fetal-maternal relationship. *Adv Exp Med Biol* 30:487-505, 1972 (50 ref.)
ANIMAL EXPERIMENTS/ BONE AND BONES, embryology/ *CRETINISM, etiology/ FEMALE/ HUMAN/ HYPOTHYROIDISM, physiopathology/ IODINE, metabolism/ *MATERNAL-FETAL EXCHANGE/ MYXEDEMA, complications/ NERVOUS SYSTEM, embryology/ NERVOUS SYSTEM, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PROTEIN BINDING/ RATS/ REVIEW/ THYROID GLAND, metabolism/ THYROID GLAND, secretion/ THYROIDECTOMY/ THYROTROPIN

AUTHOR SECTION

- blood/ THYROXINE, blood/ THYROXINE, physiology
3470. Stancer HC: Psychopharmacology. Yesterday, today and tomorrow: a point of view.
Can Psychiatr Assoc J 18:371-6, Oct 73 (38 ref.)
AFFECTIVE DISTURBANCES, prevention & control/ AMITRIPTYLINE, therapeutic use/ ANTIDEPRESSIVE AGENTS, therapeutic use/ CANADA/ CARBONATES, therapeutic use/ DEPRESSION, drug therapy/ DEPRESSION, metabolism/ DOPA, therapeutic use/ DRUG INDUSTRY/ HUMAN/ IMIPRAMINE, therapeutic use/ LITHIUM, therapeutic use/ MENTAL DISORDERS, therapy/ METHOXYHYDROXYPHENYL GLYCOL, metabolism/ MONOAMINE OXIDASE INHIBITORS, therapeutic use/ NICOTINIC ACID, therapeutic use/ *PSYCHOPHARMACOLOGY/ PSYCHOPHARMACOLOGY, education/ RESEARCH SUPPORT/ REVIEW/ SCHIZOPHRENIA, drug therapy/ SHOCK THERAPY, ELECTRIC/ TRANQUILIZING AGENTS, therapeutic use/ TRYPTOPHAN, therapeutic use/ VITAMINS, therapeutic use
3471. Stankusheva T: Lipoproteinlipazna aktivnost na seruma pri bolni sus sindroma na Itsenko-Kushling.
Vutr Boles 12:75-9, 1973 (Bul)
CUSHING'S SYNDROME, blood/ *CUSHING'S SYNDROME, enzymology/ ENGLISH ABSTRACT/ HEPARIN, administration & dosage/ HEPARIN, pharmacodynamics/ HUMAN/ HYPERLIPEMIA, etiology/ INJECTIONS, INTRAVENOUS/ LIPID MOBILIZATION/ *LIPOPROTEIN LIPASE, blood
3472. Stanley AJ, Gumbreck LG, Allison JE, et al: Male pseudohermaphroditism in the laboratory Norway rat. Recent Prog Horm Res 29:43-64, 1973
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ FEMALE/ GENETICS, BIOCHEMICAL/ GONADOTROPINS, PITUITARY, analysis/ 17-KETOSTEROIDS, urine/ MALE/ NORWAY/ ORGAN WEIGHT/ PARABIOSIS/ PREGNANCY/ PSEUDOHERMAPHRODITISM, embryology/ *PSEUDOHERMAPHRODITISM, metabolism/ PSEUDOHERMAPHRODITISM, pathology/ PSEUDOHERMAPHRODITISM, physiology/ RATS/ TESTIS, drug effects/ TESTIS, pathology/ TESTOSTERONE, pharmacodynamics
3473. Starcher BC, Urry DW: Elastin coacervate as a matrix for calcification.
Biochem Biophys Res Commun 53:210-6, 2 Jul 73
ACYLATION/ AMINES/ ANIMAL EXPERIMENTS/ AORTA/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM CHLORIDE/ CARBOXYLIC ACIDS/ CHEMISTRY/ *ELASTIN/ FORMIC ACIDS/ KINETICS/ METHYLATION/ PROTEIN CONFORMATION/ PYRIDINIUM COMPOUNDS/ SWINE
3474. Starcich R, Bonatti V: Adeniliciclas e AMP ciclico nella regolazione della contrattilità miocardica. Correlazioni biochimiche e fisiologiche.
Recent Prog Med (Roma) 54:483-505, Jun 73 (Ita)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ CORONARY CIRCULATION/ CORONARY VESSELS, metabolism/ ENGLISH ABSTRACT/ *HEART, physiology/ HUMAN/ *MYOCARDIUM, metabolism
3475. Starke K, Montel H: Alpha-receptors regulate transmitter release from central monoamine neurones. Naturwissenschaften 60:354, Jul 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ COCAINE, pharmacodynamics/ ELECTRIC STIMULATION/ FEEDBACK/ IN VITRO/ *NOREPINEPHRINE, metabolism/ OXYMETAZOLINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ *SEROTONIN, metabolism/ TRITIUM
3476. Starup J, Sele V: Premature ovarian failure. Acta Obstet Gynecol Scand 52:259-68, 1973
ADOLESCENCE/ ADULT/ AMENORRHEA, drug therapy/ *AMENORRHEA, pathology/ AMENORRHEA, physiopathology/ AMENORRHEA, urine/ BIOPSY/ BLOOD PROTEINS/ CLIMACTERIC/ ENDOMETRIUM, pathology/ ESTROGENS, therapeutic use/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, urine/ GONADOTROPINS, CHORIONIC, therapeutic use/ GRAAFIAN FOLLICLE, pathology/ HUMAN/ IODINE, blood/ 17-KETOSTEROIDS, urine/ KETOSTEROIDS, urine/ MENOTROPINS, therapeutic use/ *OVARY, pathology/ OVARY, physiopathology/ PREGNANCY/ PROTEIN BINDING/ SEX CHROMATIN
3477. Stearns EL, Winter JS, Falman C: Positive feedback effect of progestin upon serum gonadotropins in estrogen-primed castrate men.
J Clin Endocrinol Metab 37:635-8, Oct 73
ADULT/ AGED/ CASTRATION/ ETHINYL ESTRADIOL, pharmacodynamics/ FEEDBACK/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ *MEDROXYPROGESTERONE, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ TIME FACTORS
3478. Stearns EL, Winter JS, Falman C: Effects of coitus on gonadotropin, prolactin and sex steroid levels in man.
J Clin Endocrinol Metab 37:687-91, Nov 73
ADULT/ *COITUS/ *ESTRADIOL, blood/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ OVULATION/ *PROGESTERONE, blood/ *PROLACTIN, blood/ SOMATOTROPIN, blood/ *TESTOSTERONE, blood/ TIME FACTORS
3479. Stechschulte DJ, Orange RP, Austen KF: Detection of slow reacting substance of anaphylaxis (SRS-A) in plasma of guinea pigs during anaphylaxis.
J Immunol 111:1585-9, Nov 73
*ANAPHYLAXIS, immunology/ ANIMAL EXPERIMENTS/ ANTIGENS/ ATROPINE/ GUINEA PIGS/ HISTAMINE, analysis/ HISTAMINE LIBERATION/ ILEUM, immunology/ MALE/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH/ OVALBUMIN/ PROSTAGLANDINS/ *SRS-A, analysis/ SRS-A, isolation & purification/ TRITIUM
3480. Steckelmacher F: Les progestéroniques et l'adénome de la prostate. Considérations après quatre ans d'essai.
Acta Urol Belg 41:462-4, Jul 73 (Fre)
ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ *HYDROXYPROGESTERONE, therapeutic use/ MALE/ *PROGESTERONE, therapeutic use/ *PROSTATIC HYPERTROPHY, drug therapy
3481. Steennis PJ, Cordes MM, Hilkens JH, et al: On the interaction of para-hydroxybenzoate hydroxylase from Pseudomonas fluorescens with halogen ions.
FEBS Lett 36:177-80, 15 Oct 73
BENZOATES/ BINDING, COMPETITIVE/ *BROMIDES, pharmacodynamics/ *CHLORIDES, pharmacodynamics/ CYANIDES, pharmacodynamics/ FAD/ *FLUORIDES, pharmacodynamics/ FMN/ HYDROGEN-ION CONCENTRATION/ *HYDROXYLASES, antagonists & inhibitors/ *IODIDES, pharmacodynamics/ KINETICS/ NADP/ PHENOLS/ *PSEUDOMONAS FLUORESCENS, enzymology/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOCYANATES, pharmacodynamics
3482. Stein G, Jühe S, Lange CE, et al: Skelettveränderungen bei der sogenannten Vinylchlorid-Krankheit.
Roentgenhlaetter 26:350-5, Aug 73 (Ger)
*BONE RESORPTION, chemically induced/ BONE RESORPTION, radiography/ ENGLISH ABSTRACT/ FINGERS/ HUMAN/ *OCCUPATIONAL DISEASES, chemically induced/ OCCUPATIONAL DISEASES, radiography/ OSTEOPOROSIS, chemically

AUTHOR SECTION

- Induced/ OSTEOPOROSIS, radiography/
*POLYVINYLS, poisoning
3483. Steinberger E, Ficher M: Effect of hypophysectomy and gonadotropin treatment on metabolism of 3H-progesterone by rat testicular tissue. Steroids 22:425-43, Sep 73
ACETYLATION/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, PAPER/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ HORSES/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ HYPOPHYSECTOMY/ IMMUNE SERUMS/ MALE/ MATHEMATICS/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ PREGNANCY/ *PROGESTERONE, metabolism/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism/ TRITIUM
3484. Steinberger E, Root A, Ficher M, et al: The role of androgens in the initiation of spermatogenesis in man. J Clin Endocrinol Metab 37:746-51, Nov 73
ANDROSTENEDIONE, biosynthesis/ ANDROSTENEDIONE, blood/ BIOPSY/ CARBON RADIOISOTOPES/ CHILD/ CHOLESTEROL, metabolism/ HUMAN/ *LEYDIG CELL TUMOR, metabolism/ LEYDIG CELL TUMOR, physiopathology/ MALE/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ *SPERMATOGENESIS/ *TESTIS, metabolism/ TESTIS, physiopathology/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TRITIUM
3485. Steiner SS, Bodnar RJ, Ackermann RF, et al: Escape from rewarding brain stimulation of dorsal brainstem and hypothalamus. Physiol Behav 11:589-91, Oct 73
ANIMAL EXPERIMENTS/ *BRAIN STEM, physiology/ CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *ESCAPE REACTION/ *HYPOTHALAMUS, physiology/ RATS/ REACTION TIME/ REINFORCEMENT SCHEDULE/ REWARD/ *SELF STIMULATION/ STEREOTAXIC TECHNIQS
3486. Steinhausen D, Spleker U, Polster J, et al: An interactive system for planning of orthopedic surgery. Med Prog Technol 2:37-40, Jul 73
BIOMECHANICS/ *BONE AND BONES/ CHILD/ COMPUTERS, DIGITAL/ DATA DISPLAY/ FEMALE/ HUMAN/ *MODELS, STRUCTURAL/ *ORTHOPEDICS/ OSTEOTOMY
3487. Stellar E, Corbit JD: Neural control of motivated behavior. Neurosci Res Program Bull 11:296-410, Sep 73 (574 ref.)
ANIMAL EXPERIMENTS/ *BEHAVIOR/ BODY TEMPERATURE REGULATION/ BODY WEIGHT/ *BRAIN, physiology/ DEHYDRATION, physiopathology/ DRINKING BEHAVIOR/ FEEDING BEHAVIOR/ HYPOTHALAMUS, physiology/ *MOTIVATION/ MOTOR ACTIVITY/ REVIEW/ SEX BEHAVIOR, ANIMAL/ SEX HORMONES/ SMELL/ TASTE/ THERMORECEPTORS, physiology/ THIRST/ WATER-ELECTROLYTE BALANCE
3488. Stempfel RS Jr: Commentary: Disorders of gonadal development. Pediatrics 52:635-6, Nov 73
GESTATIONAL AGE/ *GONADS, abnormalities/ GONADS, embryology/ HUMAN/ MULLERIAN DUCTS, drug effects/ MULLERIAN DUCTS, embryology/ *SEX DIFFERENTIATION DISORDERS, etiology/ TESTIS, embryology/ TESTOSTERONE, pharmacodynamics/ TURNER'S SYNDROME, etiology/ WOLFFIAN DUCT, embryology
3489. Stępniewski M: Równowaga kwasowo-zasadowa ustroju człowieka. IX. Gospodarka wapniowo-fosforanowa a równowaga kwasowo-zasadowa ustroju człowieka. Przegl Lek 30:666-8, 1973 (Pol)
*ACID-BASE EQUILIBRIUM/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ FEMALE/ HUMAN/ MALE/ MATERNAL-FETAL EXCHANGE/ *PHOSPHATES, metabolism/ PREGNANCY
3490. Sternberg WH, Roth LM: Ovarian stromal tumor containing Leydig cells. I. Stromal-Leydig cell tumor and non-neoplastic transformation of ovarian stroma to Leydig cells. Cancer 32:940-51, Oct 73
ADULT/ AGED/ AUTOPSY/ BIOPSY/ FEMALE/ HUMAN/ *HYPERPLASIA, pathology/ *LEYDIG CELL TUMOR, pathology/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY, pathology/ *OVARIAN NEOPLASMS, pathology/ *OVARY, pathology/ VIRILISM, etiology
3491. Stevens VC: Immunization of female baboons with bapten-coupled gonadotropins. Obstet Gynecol 42:496-506, Oct 73
ANIMAL EXPERIMENTS/ ANTIBODY PRODUCING CELLS/ ANTIGEN-ANTIBODY REACTIONS/ *BABOONS, immunology/ CROSS REACTIONS/ DRUG COMBINATIONS/ ESTROGENS, urine/ FEMALE/ FSH, administration & dosage/ *GONADOTROPINS, administration & dosage/ GONADOTROPINS, CHORIONIC, administration & dosage/ *HAPTENS, administration & dosage/ HUMAN/ IGA, analysis/ IMMUNIZATION/ LH, administration & dosage/ LH, urine/ *MENSTRUATION, drug effects/ MONKEYS/ OVULATION, drug effects/ SHEEP
3492. Stevens VC, Crystle CD: Effects of immunization with hapten-coupled HCG on the human menstrual cycle. Obstet Gynecol 42:485-95, Oct 73
ADULT/ ANTIBODY PRODUCING CELLS, drug effects/ ANTIBODY SPECIFICITY/ DRUG COMBINATIONS/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ FSH, blood/ *GONADOTROPINS, CHORIONIC, administration & dosage/ *HAPTENS, administration & dosage/ HUMAN/ IMMUNIZATION/ INJECTIONS, INTRADERMAL/ INJECTIONS, SUBCUTANEOUS/ ISOANTIBODIES/ LH, blood/ *MENSTRUATION, drug effects/ OVULATION, drug effects/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS
3493. Stickler GB, Bergen BJ: A review: short stature in renal disease. Pediatr Res 7:978-82, Dec 73
ACIDOSIS, RENAL TUBULAR, complications/ ADOLESCENCE/ ADULT/ AGE FACTORS/ ALKALINE PHOSPHATASE, blood/ BICARBONATES, therapeutic use/ BLOOD UREA NITROGEN/ CARBON DIOXIDE, blood/ CHILD/ CHILD, PRESCHOOL/ CYSTINOSIS, metabolism/ GLOMERULONEPHRITIS, metabolism/ GROWTH DISORDERS, drug therapy/ *GROWTH DISORDERS, etiology/ HUMAN/ INFANT/ *KIDNEY DISEASES, complications/ PHOSPHORUS, blood/ RENAL OSTEODYSTROPHY, complications/ RETROSPECTIVE STUDIES/ RICKETS, radiography/ SIGMOID, surgery/ SYNDROME/ URINARY DIVERSION/ VITAMIN D, metabolism/ VITAMIN D, therapeutic use
3494. Stillwell RN: Computer translation of systematic chemical nomenclature to structural formulas--steroids. J Chem Doc 13:107-9, Aug 73
COMPUTERS, DIGITAL/ DATA DISPLAY/ *INFORMATION RETRIEVAL SYSTEMS/ *NOMENCLATURE/ *STEROIDS
3495. Stimmier L, Jaffe E, Osborne J, et al: Letter: Enamel hypoplasia of the teeth associated with neonatal tetany. Lancet 2:1085-6, 10 Nov 73
BREAST FEEDING/ CALCIUM, blood/ CALCIUM, metabolism/ CHILD/ *DENTAL ENAMEL HYPOPLASIA, etiology/ HUMAN/ HYPOCALCEMIA, complications/ HYPOCALCEMIA, etiology/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, complications/ INFANT NUTRITION DISORDERS, complications/ SEASONS/ *TETANY, complications

AUTHOR SECTION

496. Stitt JT: Prosaglandin E1 fever induced in rabbits.
J Physiol (Lond) 232:163-79, Jul 73
ANIMAL EXPERIMENTS/ BODY
TEMPERATURE REGULATION/ COLD/
*FEVER, chemically induced/ HEAT/
HYPOTHALAMUS, drug effects/
HYPOTHALAMUS, physiology/
MESENCEPHALON, drug effects/
MESENCEPHALON, physiology/
*PROSTAGLANDINS/ PROSTAGLANDINS,
administration & dosage/ PROSTAGLANDINS,
pharmacodynamics/ PYROGENS/ RABBITS/
RETICULAR FORMATION, drug effects/
RETICULAR FORMATION, physiology/
TEMPERATURE SENSE
497. Stjärne L: Lack of correlation between profiles of
transmitter efflux and of muscular contraction in
response to nerve stimulation in isolated guinea-pig
vas deferens. Acta Physiol Scand 88:137-44, May 73
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ DEPRESSION, CHEMICAL/
DESIPRAMINE, pharmacodynamics/ ELECTRIC
STIMULATION/ GUINEA PIGS/ IN VITRO/
MALE/ *MUSCLE CONTRACTION/ MUSCLE
CONTRACTION, drug effects/ MUSCLE,
SMOOTH, drug effects/ *MUSCLE, SMOOTH,
physiology/ *NOREPINEPHRINE, metabolism/
NORMETANEPHRINE, pharmacodynamics/
PHENOXYBENZAMINE, pharmacodynamics/
PROSTAGLANDINS, pharmacodynamics/
STIMULATION, CHEMICAL/ TIME FACTORS/
TRITIUM/ VAS DEFERENS, drug effects/
VAS DEFERENS, innervation/ VAS
DEFERENS, metabolism/ *VAS DEFERENS,
physiology
498. Stöcker E, Schmid GH: Altersabhängige
autoradiographische Untersuchung über die
Nehennierenrinden-Proliferation von männlichen
Ratten nach 3H-Thymidin-Dauerinfusion.
Virchows Arch [Zellpathol] 13:247-57, 22 Jul 73 (Ger)
ADAPTATION, BIOLOGICAL/ *ADRENAL
GLANDS, growth & development/ AGE
FACTORS/ ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ *CELL DIVISION/
ENGLISH ABSTRACT/ INFUSIONS,
PARENTERAL/ MALE/ RATS/ STRESS/
THYMIDINE/ TRITIUM
3499. Stoeckel ME, Porte A: Observations ultrastructurales
sur la parathyroïde de mammifère et d'oiseau dans les
conditions normales et expérimentales.
Arch Anat Microsc Morphol Exp 62:55-88, Jan-Mar 73
(Fre)
ANIMAL EXPERIMENTS/ *CATS, anatomy &
histology/ CHICK EMBRYO/ CHICKENS,
anatomy & histology/ ENGLISH ABSTRACT/
FEMALE/ GOLGI APPARATUS/ *HAMSTERS,
anatomy & histology/ HIBERNATION/
HISTOLOGY, COMPARATIVE/
*HYPERCALCEMIA, pathology/
HYPOCALCEMIA, pathology/ LACTATION/
MALE/ MICROSCOPY, ELECTRON/
OVIPOSITION/ *PARATHYROID GLANDS,
cytology/ PARATHYROID GLANDS,
embryology/ PARATHYROID GLANDS,
pathology/ PIGEONS, anatomy & histology/
*RATS, anatomy & histology
3500. Stöhrer M, Wallhäuser KH, Wysocki S: Gewebespiegel
von Lincomycin bei Hunden.
Med Welt 24:1133, 13 Jul 73 (Ger)
ANIMAL EXPERIMENTS/ BONE AND BONES,
analysis/ CARTILAGE, analysis/ DOGS/
HEART VALVES, analysis/ *LINCOMYCIN,
analysis/ MUSCLES, analysis/ MYOCARDIUM,
analysis
3501. Stoklosowa S, Stadnicka A: Corpus luteum cells grown
as monolayers. Experientia 29:1041-2, 15 Aug 73
ANIMAL EXPERIMENTS/ CELLS,
CULTURED/ *CORPUS LUTEUM, cytology/
CORPUS LUTEUM, enzymology/ FEMALE/
HISTOCYTOCHEMISTRY/ HYDROXYSTEROID
DEHYDROGENASES, analysis/ RATS/ STAINS
AND STAINING/ SWINE
3502. Stolecke H, Zimmermann E: Congenitale
Nehennierenrindenhyperplasie (AGS). Verlaufe nach
diagnostischen und therapeutischen Versäumnissen.
Monatsschr Kinderheilkd 121:409-10, Jul 73 (Ger)
ADRENOGENITAL SYNDROME, complications/
*ADRENOGENITAL SYNDROME, diagnosis/
ADRENOGENITAL SYNDROME, drug therapy/
CHILD/ CHILD, PRESCHOOL/ FEMALE/
HUMAN/ HYDROCORTISONE, therapeutic use/
MALE/ PUBERTY, PRECOCIOUS, etiology/
TIME FACTORS
3503. Stolla R, Günzler O, Schätzle M, et al:
Konzeptionsoptimum von Rindern nach
Brunstsynchronisation mit Chlormadinonacetat
(CAP).
Berl Munch Tierärztl Wochenschr 86:384-7, 15 Oct 73
(Ger)
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ *CHLORMADINONE,
pharmacodynamics/ ENGLISH ABSTRACT/
*ESTRUS, drug effects/ FEMALE/
*FERTILIZATION, drug effects/
PERIODICITY/ PREGNANCY
3504. Stombaugh DP, Roller WL, Adams T, et al:
Temperature regulation in neonatal piglets during
mild cold and severe heat stress.
Am J Physiol 225:1192-8, Nov 73
ANIMAL EXPERIMENTS/ *ANIMALS,
NEWBORN/ ATMOSPHERE EXPOSURE
CHAMBERS/ BODY TEMPERATURE/ *BODY
TEMPERATURE REGULATION/ FEMALE/
*HEAT/ HYPOTHALAMUS, physiology/
OXYGEN CONSUMPTION/ RESPIRATION/
SKIN TEMPERATURE/ *STRESS,
physiopathology/ *SWINE, physiology
3505. Stone EA: Accumulation and metabolism of
norepinephrine in rat hypothalamus after exhaustive
stress. J Neurochem 21:589-601, Sep 73
ALUMINUM/ ANIMAL EXPERIMENTS/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
ION EXCHANGE/ CHROMATOGRAPHY,
PAPER/ CHROMATOGRAPHY, THIN LAYER/
DOPAMINE, biosynthesis/ *EXERTION/
GLUCURONIDASE/ GLUCOLS, biosynthesis/
HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, metabolism/ MALE/
METHOXYHYDROXYPHENYL GLYCOL,
biosynthesis/ METHYLTYROSINES,
pharmacodynamics/ NOREPINEPHRINE,
biosynthesis/ *NOREPINEPHRINE, metabolism/
NORMETANEPHRINE, biosynthesis/ RATS/
RESERPINE, pharmacodynamics/
SULFATES/ TIME FACTORS/ TRITIUM
3506. Stone GM: Acute effects of actinomycin D on the
binding of tritiated oestradiol by the mouse vagina.
Aust J Biol Sci 26:889-92, Jun 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS,
metabolism/ CYTOSOL, metabolism/
*DACTINOMYCIN, pharmacodynamics/
DEPRESSION, CHEMICAL/ *ESTRADIOL,
metabolism/ FEMALE/ INJECTIONS/ MICE/
PROTEINS, biosynthesis/ *RECEPTORS,
HORMONE, drug effects/ RNA, biosynthesis/
TRITIUM/ *VAGINA, metabolism
3507. Stone TW: Strychnine, morphine and monamine
depression. Life Sci 13:125-33, 16 Jul 73
*ACETYLCHOLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ *CEREBRAL
CORTEX, drug effects/ CEREBRAL CORTEX,
metabolism/ COMPARATIVE STUDY/
IONTOPHORESIS/ MALE/ MICROCHEMISTRY/
*MORPHINE, pharmacodynamics/ NEURAL
TRANSMISSION, drug effects/
*NOREPINEPHRINE, pharmacodynamics/
OSCILLOMETRY/ RATS/ SEROTONIN,
antagonists & inhibitors/ *SEROTONIN,
pharmacodynamics/ *STRYCHNINE,
pharmacodynamics/ TIME FACTORS
3508. Stonesifer GL Jr, Lowe RH, Cameron JL, et al:
Conversion of hydrocortisone to estrogen in
carcinoma of the breast after oophorectomy and
adrenalectomy. Ann Surg 178:563-4, Nov 73
ADRENALECTOMY/ BREAST, metabolism/
BREAST NEOPLASMS, drug therapy/
*BREAST NEOPLASMS, metabolism/ BREAST
NEOPLASMS, surgery/ CARBON

AUTHOR SECTION

- RADIOISOTOPES/ CARCINOMA, DUCTAL, drug therapy/ *CARCINOMA, DUCTAL, metabolism/ CARCINOMA, DUCTAL, surgery/ CASTRATION/ CHEMISTRY/ ESTRADIOL, biosynthesis/ *ESTROGENS, biosynthesis/ FEMALE/ HUMAN/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS
3509. Storey BT, Keyhani E: Interaction of calcium ion with the mitochondria of rabbit spermatozoa. *FEBS Lett* 37:33-6, 15 Nov 73
ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ EPIDIDYMIS, cytology/ LANTHANUM, pharmacodynamics/ MALE/ *MITOCHONDRIA, metabolism/ OXYGEN CONSUMPTION, drug effects/ PHOSPHORUS, pharmacodynamics/ RABBITS/ RUTHENIUM, pharmacodynamics/ SPERMATOZOA, cytology/ *SPERMATOZOA, metabolism/ STIMULATION, CHEMICAL/ SUCCINATES, metabolism
3510. Storm B: Graft and patient survival after primary cadaver kidney transplantation with special regard to compatibility in the HL-A system. *Acta Chir Scand [Suppl]* 437:1-57, 1973
ADULT/ AZATHIOPRINE, therapeutic use/ BIOPSY/ *CADAVER/ FEMALE/ FOLLOW-UP STUDIES/ GRAFT REJECTION/ HISTOCOMPATIBILITY/ *HISTOCOMPATIBILITY ANTIGENS/ HISTOCOMPATIBILITY TESTING/ HOMOZYGOTE/ HUMAN/ IMMUNOSUPPRESSION/ KIDNEY, pathology/ KIDNEY, physiopathology/ *KIDNEY, transplantation/ KIDNEY DISEASES, diagnosis/ *KIDNEY DISEASES, surgery/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ PREDNISOLONE, therapeutic use/ TISSUE SURVIVAL/ *TRANSPLANTATION, HOMOLOGOUS, mortality/ UREMIA, etiology/ URINARY TRACT INFECTIONS, etiology
3511. Story MT, Standaert MM, Melnykovich G: Glucocorticoid-induced alterations in phosphatidylcholine metabolism in mouse lymphoma cells, L5178Y, in vitro. *Cancer Res* 33:2872-7, Nov 73
CARBON RADIOISOTOPES/ CELL COUNT/ CELL FRACTIONATION/ CELL MEMBRANE, metabolism/ CELLS, CULTURED/ CHOLINE, metabolism/ CHROMATOGRAPHY/ *LECITHINS, metabolism/ *LEUKEMIA, EXPERIMENTAL, metabolism/ *LEUKEMIA, LYMPHOCYTIC, metabolism/ MICE/ *PREDNISOLONE, pharmacodynamics/ TIME FACTORS
3512. Stout RD, Coons AH: Studies on membrane-bound receptors for antigen. Preparation of populations of receptor-depleted lymphocytes. *J Exp Med* 138:875-86, 1 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ANTIMETABOLITES, pharmacodynamics/ BINDING SITES/ CARBON RADIOISOTOPES/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ *CELL MEMBRANE, immunology/ FEMALE/ GALACTOSIDASE, metabolism/ GLUTARALDEHYDE, pharmacodynamics/ IODINE RADIOISOTOPES/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ MICE/ MICE, INBRED BALB C/ *POLY A-U, pharmacodynamics/ PROTEINS, biosynthesis/ RNA, biosynthesis/ SPLEEN, cytology/ SPLEEN, immunology/ THEOPHYLLINE, pharmacodynamics/ THYMUS GLAND, immunology/ TRITIUM/ URIDINE, metabolism
3513. Strambi A, Strambi C: Influence du développement du parasite *Xenos vesparum* Rossi (Insecte, Strepsiptère) sur le système neuroendocrinien des femelles de *Polistes* (Hyménoptère, Vespide) au début de leur vie imaginaire. *Arch Anat Microsc Morphol Exp* 62:39-54, Jan-Mar 73 (Fre)
ANIMAL EXPERIMENTS/ *INSECTS, growth & development/ *NEUROSECRETORY
- SYSTEMS, physiology/ *OVARY, growth & development/ *PARASITES
3514. Stratton LG, Ewing LL, Desjardins C: Efficacy of testosterone-filled polydimethylsiloxane implants in maintaining plasma testosterone in rabbits. *J Reprod Fertil* 35:235-44, Nov 73
ANIMAL EXPERIMENTS/ BULBOURETHRAL GLANDS/ CASTRATION/ CITRATES, analysis/ EJACULATION, drug effects/ FRUCTOSE, analysis/ LIBIDO/ MALE/ ORGAN WEIGHT/ PROSTATE/ RABBITS/ SEMINAL VESICLES/ *SILICONE ELASTOMERS/ *TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood/ TRITIUM
3515. Strauch G, Bricaire H: Evolution des taux plasmatique de S.T.H. au cours de l'acromégalie traitée par l'acétate de médroxyprogestérone. *Ann Endocrinol (Paris)* 34:228-31, Mar-Apr 73 (Fre)
ACROMEGALY/ *ACROMEGALY, blood/ HYPERGLYCEMIA/ *MEDROXYPROGESTERONE, therapeutic use/ *SOMATOTROPIN, blood/ TIME FACTORS
3516. Strauch G, Girault D, Rifai M, et al: Alpha-MSH stimulation of growth hormone release. *J Clin Endocrinol Metab* 37:990-3, Dec 73
ADULT/ BLOOD SUGAR, metabolism/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MSH, administration & dosage/ *MSH, pharmacodynamics/ PLACEBOS/ *SOMATOTROPIN, blood/ TIME FACTORS
3517. Streffling MR Jr, Podolsky M: Subacute thyroiditis appearing as cardiac emergency: report of case. *J Am Osteopath Assoc* 73:63-6, Sep 73
ADULT/ *ARRHYTHMIA, etiology/ HUMAN/ MALE/ *THYROIDITIS, complications/ THYROIDITIS, diagnosis
3518. Strisower EH: Observations on the use of clofibrate in common hyperlipoproteinemia. *Acta Cardiol (Brux)* Suppl 15:139-4, 1972
ADULT/ CHOLESTYRAMINE, therapeutic use/ DIET THERAPY/ DIETARY FATS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERLIPIDEMIA, complications/ *HYPERLIPIDEMIA, drug therapy/ MALE/ MIDDLE AGE/ NICOTINIC ACID, therapeutic use/ THYROID HORMONES, therapeutic use
3519. Ströder J: Infektabwehr bei Rachitis. *Monatsschr Kinderheilkd* 121:354-9, Jul 73 (Ger)
ADOLESCENCE/ ANIMAL EXPERIMENTS/ BACTERIAL INFECTIONS, immunology/ CHILD/ CHILD, PRESCHOOL/ DOGS/ FEMALE/ HUMAN/ IGG, analysis/ IGM, analysis/ IMMUNITY, CELLULAR/ INFANT/ INFECTION, etiology/ *INFECTION, immunology/ MALE/ MICE/ MONKEYS/ NEURAMINIC ACIDS, blood/ PHAGOCYTOSIS/ RATS/ RESPIRATORY TRACT INFECTIONS, complications/ RESPIRATORY TRACT INFECTIONS, immunology/ RICKETS, complications/ *RICKETS, complications/ SWINE/ TRYPAANOSOMIASIS, immunology
3520. Ström S, Thyresson N, Boström H: Acute febrile ulcerative conglobate acne with leukemoid reaction. *Acta Derm Venereol (Stockh)* 53:306-12, 1973
*ACNE/ ACNE, drug therapy/ ACNE, pathology/ ACUTE DISEASE/ ADOLESCENCE/ AMPICILLIN, therapeutic use/ ANEMIA, etiology/ ANTIBIOTICS, therapeutic use/ CEPHALOSPORINS, therapeutic use/ ERYTHROMYCIN, therapeutic use/ FEMALE/ FEVER/ FOLLOW-UP STUDIES/ HUMAN/ *LEUKEMOID REACTION/ MALE/ NEPHRITIS, etiology/ PREDNISOLONE, therapeutic use/ SKIN DISEASES, familial & genetic/ SYNDROME/ TETRACYCLINE, therapeutic use/ TRIAMCINOLONE, therapeutic use
3521. Stroud SW, Hoog JM, Bieler EU: A simple method for the extraction and purification of human growth hormone and its assay by paper chromatography. *J Clin Endocrinol Metab* 37:860-6, Dec 73

AUTHOR SECTION

- ACETONE/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY, PAPER/
ELECTROPHORESIS, DISC/ GEL
FILTRATION/ HUMAN/ METHODS/
*PITUITARY GLAND, analysis/
PRECIPITATION/ RADIOIMMUNOASSAY/
SOMATOTROPIN, analysis/ *SOMATOTROPIN,
isolation & purification
22. Strumillo-Dyba E, Wilmańska D, Traczyk W:
Biologically homogenous substance P isolated from
bovine hypothalamus. *Acta Physiol Pol* 24:685-6, 1973
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CATLE/ *HYPOTHALAMUS,
analysis/ INTESTINES, drug effects/
METHODS/ *SUBSTANCE P, isolation &
purification/ SUBSTANCE P,
pharmacodynamics/ *TISSUE EXTRACTS,
isolation & purification
23. Stubbe P: Die Entwicklung von Antikörpern gegen
menschliches Wachstumshormon bei hypophysär
Minderwüchsigen in Abhängigkeit von der Dauer der
Behandlung.
Monatsschr Kinderheilkd 121:475-7, Jul 73 (Ger)
*ANTIBODY FORMATION/ CHILD/
CRANIOPHARYNGIOMA, complications/
DWARFISM, PITUITARY, drug therapy/
DWARFISM, PITUITARY, etiology/
*DWARFISM, PITUITARY, immunology/
FEMALE/ HUMAN/ MALE/ SOMATOTROPIN,
therapeutic use/ TIME FACTORS
24. Studer H: Paraneoplastische Syndrome.
Schweiz Med Wochenschr 103:1429-31, 13 Oct 73 (Ger)
AGRANULOCYTOSIS, complications/
ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS,
NEOPLASM/ ARTERITIS, complications/
ARTHRITIS, complications/ COMPLEMENT/
ENGLISH ABSTRACT/
GLOMERULONEPHRITIS, complications/
HORMONES, ECTOPIC, physiology/ HUMAN/
IMMUNITY, CELLULAR/ *NEOPLASMS,
complications/ NEOPLASMS, diagnosis/
NEOPLASMS, immunology/ NEOPLASMS,
physiopathology/ SYNDROME
25. Sturchak SV, Fanchenko ND: Opredelenie estrogenov v
plazme krovi zhenshehin konkurentnym svyazyvaniem
helkami.
Probl Endokrinol (Mosk) 19:36-41, Sep-Oct 73 (Rus)
ADULT/ BINDING, COMPETITIVE/ DOGS/
ENGLISH ABSTRACT/ ESTRADIOL, blood/
*ESTROGENS, blood/ FEMALE/ GUINEA
PIGS/ HUMAN/ PREGNANCY/ *PROTEIN
BINDING
26. Su JY, Higgins CB, Friedman WF, et al: Chronotropic
and inotropic effects of prostaglandins E1, A1, and
F2alpha on isolated mammalian cardiac tissue.
Proc Soc Exp Biol Med 143:1227-30, Sep 73
ANIMAL EXPERIMENTS/ CATS/
COMPARATIVE STUDY/ DOGS/ *HEART,
drug effects/ HEART ATRIUM, drug effects/
HEART VENTRICLE, drug effects/ IN
VITRO/ PAPILLARY MUSCLES, drug effects/
*PROSTAGLANDINS, pharmacodynamics/
SPECIES SPECIFICITY/ STIMULATION,
CHEMICAL
27. Subramanyam OV: Neuroendocrine control of
metabolism of a pulmonate snail, *Ariophanta* Sp.
Experientia 29:1150-1, 15 Sep 73
AMINO ACIDS, blood/ ANIMAL
EXPERIMENTS/ BLOOD SUGAR, metabolism/
CENTRAL NERVOUS SYSTEM, analysis/
GANGLIA, analysis/ *NEUROSECRETORY
SYSTEMS, physiology/ *SNAILS, metabolism/
TISSUE EXTRACTS, pharmacodynamics
28. Suchkov VV, Khusainova VL: Effect of reticular
formation and hypothalamus on the cortical
hemodynamics.
Neurosci Behav Physiol 6:95-102, Apr-Jun 73
ANIMAL EXPERIMENTS/ ANOXIA/ BLOOD
FLOW VELOCITY/ BLOOD PRESSURE/
CAROTID SINUS, physiology/ CATS/
*CEREBRAL CORTEX, blood supply/
CEREBROVASCULAR CIRCULATION/
ELECTRIC STIMULATION/
- HEMODYNAMICS/ HYPERCAPNIA/
*HYPOTHALAMUS, physiology/ MODELS,
BIOLOGICAL/ REGIONAL BLOOD FLOW/
*RETICULAR FORMATION, physiology/
VAGOTOMY/ VASCULAR RESISTANCE
3529. Sugihara H, Kawai K, Tsuchiyama H: Pathology of
intracortical nodules in rat adrenal glands, especially
on their fine-structure.
Acta Pathol Jap 23:253-60, May 73
ADRENAL GLANDS, enzymology/ *ADRENAL
GLANDS, pathology/ ALCOHOL
OXIDOREDUCTASES, analysis/ ALKALINE
PHOSPHATASE, analysis/ ANIMAL
EXPERIMENTS/ ENDOPLASMIC RETICULUM/
HISTOCYTOCHEMISTRY/ HYPERPLASIA/
HYPERTROPHY/ LIPIDS, analysis/ MALE/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
RATS
3530. Sulakhe PV, Dhalla NS: Excitation-contraction
coupling in heart. X. Further studies on the
energy-linked calcium transport by subcellular
particles in the failing heart of myopathic hamster.
Biochem Med 8:18-27, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ *CALCIUM, metabolism/
DOSE-RESPONSE RELATIONSHIP, DRUG/
HAMSTERS/ *HEART FAILURE,
CONGESTIVE, metabolism/ HEART FAILURE,
CONGESTIVE, pathology/ HYDROGEN-ION
CONCENTRATION/ KINETICS/ MALE/
MICROSOMES, drug effects/ MICROSOMES,
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metabolism/ MUSCULAR DISEASES, familial
& genetic/ *MYOCARDIUM, pathology/
OXALATES, pharmacodynamics/ POTASSIUM
CHLORIDE, pharmacodynamics/
SARCOPLASMIC RETICULUM, metabolism/
SODIUM CHLORIDE, pharmacodynamics
3531. Sulcová J, Dyková H, Stárka L: In vitro metabolism of
(4-14C) pregnenolone in the ovaries of intact and HPL
or HCG treated rats.
Endocrinol Exp (Bratisl) 7:207-14, Sep 73
ANDROSTENOLS, biosynthesis/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, PAPER/
DEHYDROEPIANDROSTERONE, biosynthesis/
DRUG SYNERGISM/ ESTRADIOL,
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FEMALE/ *GONADOTROPINS, CHORIONIC,
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HYDROXYPREGNEOLONE, biosynthesis/
HYDROXYPROGESTERONE, biosynthesis/
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*PREGNEOLONE, metabolism/
PROGESTERONE, biosynthesis/ RATS/
STEROIDS, biosynthesis/ TESTOSTERONE,
biosynthesis
3532. Sullmovici S, Bartoov B, Lunenfeld B: Localization of
3-beta hydroxysteroid dehydrogenase in the inner
membrane subfraction of rat testis mitochondria.
Biochim Biophys Acta 321:27-40, 15 Sep 1973
ANIMAL EXPERIMENTS/ CELL
FRACTIONATION/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
CYTOCHROME OXIDASE, analysis/
GLUCOSEPHOSPHATASE, analysis/
GLUTAMATE DEHYDROGENASE, analysis/
*HYDROXYSTEROID DEHYDROGENASES,
analysis/ MALE/ MEMBRANES, enzymology/
MICROSCOPY, ELECTRON/ *MITOCHONDRIA,
enzymology/ OROTIC ACID/ PROGESTERONE/
RATS/ SPECTROPHOTOMETRY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SUBCELLULAR FRACTIONS, enzymology/
SUCCINATE DEHYDROGENASE, analysis/
TESTIS, cytology/ *TESTIS, enzymology/
TRITIUM/ ULTRASONICS
3533. Sullivan B, Berndt WO: Transport by isolated rabbit
gallbladders in phosphate-buffered solutions.
Am J Physiol 225:838-44, Oct 73
ACETAMIDES, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *BIOLOGICAL TRANSPORT/
BLADDER, metabolism/ BODY WEIGHT/

AUTHOR SECTION

- DINITROPHENOLS, pharmacodynamics/
 *GALLBLADDER, metabolism/
 GALLBLADDER, secretion/ GLUCOSE/
 HYDROGEN-ION CONCENTRATION/ IN
 VITRO/ OUABAIN, pharmacodynamics/
 OXIDATIVE PHOSPHORYLATION/ OXYGEN,
 blood/ PHOSPHATES, metabolism/ RABBITS/
 THIOCYANATES, pharmacodynamics
3534. Sulman FG, Pfeiffer Y, Superstine E: Adrenal medullary exhaustion from tropical winds and its management. *Isr J Med Sci* 9:1022-7, Aug 73
 ADOLESCENCE/ ADRENAL GLAND
 DISEASES, drug therapy/ ADRENAL GLAND
 DISEASES, etiology/ ADRENAL GLAND
 DISEASES, urine/ *ADRENAL MEDULLA/
 ADULT/ AIR MOVEMENTS/
 *CATECHOLAMINES, secretion/ CHILD/
 EPINEPHRINE, urine/ ETHNIC GROUPS/
 FEMALE/ HUMAN/ HYPOTENSION,
 complications/ MALE/ MIDDLE AGE/
 MONOAMINE OXIDASE INHIBITORS,
 therapeutic use/ NOREPINEPHRINE, urine/
 SEROTONIN, urine/ SEX FACTORS/ TIME
 FACTORS/ *TROPICAL CLIMATE/ WEATHER
3535. Sulmoni A, Spies J, Hauri D: Die Metastasierung des Blasenkarzinoms. *Helv Chir Acta* 40:463-5, Sep 73 (Ger)
 ADRENAL GLAND NEOPLASMS/ *BLADDER
 NEOPLASMS/ BONE NEOPLASMS/ BRAIN
 NEOPLASMS/ CARCINOMA/ CARCINOMA,
 PAPILLARY/ HUMAN/ KIDNEY
 NEOPLASMS/ LIVER NEOPLASMS/ LUNG
 NEOPLASMS/ LYMPHATIC METASTASIS/
 *NEOPLASM METASTASIS/ NEOPLASM
 SEEDING/ PAPILLOMA/ SKIN NEOPLASMS/
 SPLENIC NEOPLASMS/ THYROID
 NEOPLASMS
3536. Sumra RS, Mongia SK, Roy S, et al: Tuberculoma of the brain stem: control of relapses by steroid therapy. Case report. *J Neurosurg* 39:402-4, Sep 73
 ADULT/ *BRAIN DISEASES, drug therapy/
 BRAIN DISEASES, pathology/ BRAIN
 DISEASES, radiography/ *BRAIN STEM,
 pathology/ HUMAN/ MALE/ *PREDNISONE,
 therapeutic use/ *TUBERCULOMA, drug
 therapy/ TUBERCULOMA, pathology/
 TUBERCULOMA, radiography/
 VENTRICULOGRAPHY
3537. Sung YF, Frederickson EL, Holtzman SG: Effects of intravenous anesthetics on brain monoamines in the rat. *Anesthesiology* 39:478-87, Nov 73
 ANESTHESIA, INTRAVENOUS/
 ANESTHETICS, administration & dosage/
 *ANESTHETICS, pharmacodynamics/ ANIMAL
 EXPERIMENTS/ *BRAIN, drug effects/
 BRAIN, metabolism/ BRAIN CHEMISTRY,
 drug effects/ DIOXIDES, pharmacodynamics/
 DOPAMINE, biosynthesis/ *DOPAMINE,
 metabolism/ KETAMINE, pharmacodynamics/
 NOREPINEPHRINE, biosynthesis/
 *NOREPINEPHRINE, metabolism/
 PIPERIDINES, pharmacodynamics/ RATS/
 SEROTONIN, biosynthesis/ *SEROTONIN,
 metabolism/ THIOPENTAL, pharmacodynamics
3538. Suominen J, Kaufman MH, Setchell BP: Prevention of fertilization in vitro by an acrosin inhibitor from rete testis fluid of the ram. *J Reprod Fertil* 34:385-8, Aug 73
 ANIMAL EXPERIMENTS/ DEPRESSION,
 CHEMICAL/ *FERTILIZATION, drug effects/
 MALE/ SHEEP/ SPERM CAPACITATION/
 SPERMATOZOA, drug effects/ TESTIS,
 enzymology/ TRYPSIN INHIBITORS, isolation
 & purification/ *TRYPSIN INHIBITORS,
 pharmacodynamics
3539. Surks MI, Koerner D, Dillman W, et al: Limited capacity binding sites for L-triiodothyronine in rat liver nuclei. Localization to the chromatin and partial characterization of the L-triiodothyronine-chromatin complex. *J Biol Chem* 248:7066-72, 25 Oct 73
 ANIMAL EXPERIMENTS/ BINDING SITES/
 CELL NUCLEUS, drug effects/ CELL
 NUCLEUS, metabolism/ CENTRIFUGATION,
 DENSITY GRADIENT/ *CHROMATIN,
 metabolism/ CHROMATOGRAPHY, PAPER/
 CHYMOTRYPSIN, pharmacodynamics/
 DEOXYRIBONUCLEASE, pharmacodynamics/
 GEL FILTRATION/ HYDROGEN-ION
 CONCENTRATION/ IODINE RADIOISOTOPES
 LIVER, cytology/ LIVER, drug effects/
 *LIVER, metabolism/ MALE/ PRONASE,
 pharmacodynamics/ RATS/ RIBONUCLEASE,
 pharmacodynamics/ STRUCTURE-ACTIVITY
 RELATIONSHIP/ SURFACE-ACTIVE AGENTS
 THYROXINE, metabolism/ TRANSCRIPTION,
 GENETIC, drug effects/
 *TRIIODOTHYRONINE, metabolism/ TRYPSIN
 pharmacodynamics
3540. Susac JO, Smith JL, Powell JO: Carcinomatous optic neuropathy. *Am J Ophthalmol* 76:672-9, Nov 73
 *ADENOCARCINOMA, complications/
 ADENOCARCINOMA, diagnosis/
 ADENOCARCINOMA, pathology/ ADRENAL
 GLAND NEOPLASMS, pathology/
 ANTICOAGULANTS, therapeutic use/
 AUTOPSY/ BIOPSY/ *BLINDNESS, etiology/
 *CENTRAL NERVOUS SYSTEM DISEASES,
 complications/ GLUCOCORTICIDS,
 therapeutic use/ HUMAN/ LIVER
 NEOPLASMS, pathology/ LUNG NEOPLASMS
 diagnosis/ LUNG NEOPLASMS, pathology/
 MALE/ *MENINGES/ MIDDLE AGE/
 NEOPLASM METASTASIS/ NEUROLOGIC
 EXAMINATION/ *OPTIC NERVE/ OPTIC
 NERVE, pathology/ VISION DISORDERS, drug
 therapy/ VISUAL ACUITY/ VISUAL FIELDS
3541. Sutherland RL, Irvine CH: Total plasma thyroxine concentrations in horses, pigs, cattle, and sheep: anion exchange resin chromatography and ceric-arsenite colorimetry. *Am J Vet Res* 34:1261-5, Oct 73
 ALBUMINS, analysis/ ANIMAL
 EXPERIMENTS/ ARSENIC/ *CATTLE,
 metabolism/ CERIUM/ *CHROMATOGRAPHY,
 ION EXCHANGE/ *COLORIMETRY/
 COMPARATIVE STUDY/ FEMALE/ *HORSES,
 metabolism/ IODINE, blood/ IODINE
 RADIOISOTOPES/ LYMPH, analysis/ MALE/
 METHODS/ SERUM ALBUMIN, analysis/
 *SHEEP, metabolism/ *SWINE, metabolism/
 TESTIS/ THYROXINE, analysis/ *THYROXINE
 blood/ TRIIODOTHYRONINE, blood
3542. Sutton RA: Letter: Symptomatic hypomagnesaemia after parathyroidectomy. *Br Med J* 4:112, 13 Oct 73
 HUMAN/ HYPOPARATHYROIDISM, etiology/
 *MAGNESIUM, blood/ *MAGNESIUM
 DEFICIENCY, etiology/ *PARATHYROID
 GLANDS, surgery/ *POSTOPERATIVE
 COMPLICATIONS
3543. Suvorov NN, Krasavina LS, Morozovskaya LM, et al: Sintez i biokhimicheskaia identifikatsiia O-glukuronida serotoninida. *Dokl Akad Nauk SSSR* 212:250-3, 1 Sep 73 (Rus)
 ANIMAL EXPERIMENTS/ ELECTRON SPIN
 RESONANCE/ GLUCURONATES, analysis/
 *GLUCURONIDASE, chem synthesis/
 RABBITS/ *SEROTONIN/ SEROTONIN, urine
3544. Suzuki M, Takahashi K: [Estrogen-Interpretation of the test results] *Jap J Clin Med* 31:1568-73, 1973 (Jap)
 *ESTROGENS, blood/ FEMALE/ HUMAN/
 MALE
3545. Svelto M, Storelli C, Lippe C: Transport of some non-electrolytes through amphibian skins. *Comp Biochem Physiol [A]* 46:221-6, 1 Oct 73
 ANIMAL EXPERIMENTS/ BIOLOGICAL
 TRANSPORT/ BIOLOGICAL TRANSPORT,
 drug effects/ BUFO BUFO/ CARBON
 RADIOISOTOPES/ *CREATININE, metabolism/
 DINITROPHENOLS, pharmacodynamics/
 *ERYTHRITOL, metabolism/ ETHYLENE,
 metabolism/ FROGS/ *GLYCERIN, metabolism/
 *GLYCOLS, metabolism/ HYDRAZONES,
 pharmacodynamics/ HYDROCARBONS,
 FLUORINATED, pharmacodynamics/ NITRILES,
 pharmacodynamics/ NOREPINEPHRINE,
 pharmacodynamics/ PROPANEDIOLS,
 metabolism/ RANA ESCULENTA/ SKIN, drug
 effects/ *SKIN, metabolism/ *THIOUREA,

AUTHOR SECTION

- metabolism/ UNCOUPLING AGENTS,
pharmacodynamics
146. Sviatkina KA, Mal'tsev SV: O tak nazyvaemykh
rakhitopodobnykh zabolevaniakh u detei.
Pediatrila 52:83-8, Jul 73 (Rus)
ACIDOSIS, RENAL TUBULAR, blood/ BONE
DISEASES, metabolism/ CELIAC DISEASE,
pathology/ CHILD/ FANCONI SYNDROME,
drug therapy/ FANCONI SYNDROME,
metabolism/ HUMAN/ HYPOCALCEMIA,
pathology/ HYPOPHOSPHATASIA, pathology/
HYPOPHOSPHATEMIA, FAMILIAL,
metabolism/ KIDNEY, physiopathology/
REVIEW/ *RICKETS/ RICKETS, radiography/
*RICKETS, VITAMIN D RESISTANT/
RICKETS, VITAMIN D RESISTANT,
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RESISTANT, drug therapy/ RICKETS,
VITAMIN D RESISTANT, familial & genetic/
RICKETS, VITAMIN D RESISTANT,
radiography/ VITAMIN D, therapeutic use/
*VITAMIN D DEFICIENCY
547. Sward J: Zachowanie się poziomu
5-hydroksytryptaminy (5-HT) w łóżysku ludzkim w
ostatnich tygodniach ciąży.
Wlad Lek 26:1607-10, 1 Sep 73 (Pol)
ENGLISH ABSTRACT/ FEMALE/
GESTATIONAL AGE/ HUMAN/ *PLACENTA,
analysis/ PREGNANCY/ PREGNANCY,
PROLONGED/ *SEROTONIN, analysis/ TIME
FACTORS
548. Swartzendruber DC, Hübner KF: Effect of external
whole-body x-irradiation on gallium-67 retention in
mouse tissues. Radiat Res 55:457-68, Sep 73
ANIMAL EXPERIMENTS/ BONE AND BONES,
metabolism/ COMPARATIVE STUDY/
DOSE-RESPONSE RELATIONSHIP,
RADIATION/ FEMALE/ FEMUR, metabolism/
GALLIUM, administration & dosage/
GALLIUM, blood/ *GALLIUM, metabolism/
INJECTIONS, INTRAPERITONEAL/
INJECTIONS, INTRAVENOUS/ KIDNEY,
metabolism/ LIVER, metabolism/ MICE/
ORGAN WEIGHT/ *RADIATION INJURIES,
EXPERIMENTAL, metabolism/
*RADIOISOTOPES/ RADIOISOTOPES,
administration & dosage/ SPLEEN,
metabolism/ TIME FACTORS
549. Swislocki NI, Tierney J, Sonenberg M: Activation of
solubilized liver membrane adenylate cyclase by
nucleotides.
Biochem Biophys Res Commun 53:1109-14, 21 Aug 73
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CALCIUM/ *CELL
MEMBRANE, enzymology/ DETERGENTS/
ENZYME ACTIVATION, drug effects/
GUANINE NUCLEOTIDES, pharmacodynamics/
GUANOSINE TRIPHOSPHATE,
pharmacodynamics/ HYPOPHYSECTOMY/ IN
VITRO/ INOSINE NUCLEOTIDES,
pharmacodynamics/ LIVER, cytology/ *LIVER,
enzymology/ *NUCLEOTIDES,
pharmacodynamics/ PHOSPHONIC ACIDS,
pharmacodynamics/ PHOSPHORUS
RADIOISOTOPES/ PITUITARY GLAND,
physiology/ PROTEINS, metabolism/ RATS
550. Swyer GI: Advances in hormonal contraception.
Practitioner 211:535-40, Oct 73 (32 ref.)
*CONTRACEPTION/ CONTRACEPTIVE
AGENTS, administration & dosage/
CONTRACEPTIVES, ORAL, administration &
dosage/ CONTRACEPTIVES, ORAL, adverse
effects/ DEPRESSION, chemically induced/
FEMALE/ HEADACHE, chemically induced/
HUMAN/ INJECTIONS/ LIBIDO/
MENSTRUATION DISORDERS, chemically
induced/ NEOPLASMS, chemically induced/
PROGESTATIONAL HORMONES,
administration & dosage/ REVIEW/ TIME
FACTORS
551. Sybesma JP, Holtzer JD, Borst-Ellers E, et al: Antibody
response in Hodgkin's disease and other lymphomas
related to HL-A antigens, immunoglobulin levels and
therapy. Vox Sang 25:254-62, Sep 73
- ANTIBIOTICS, ANTINEOPLASTIC, therapeutic
use/ *ANTIBODY FORMATION/ ANTIBODY
FORMATION, drug effects/ ANTIBODY
FORMATION, radiation effects/
COMPLEMENT FIXATION TESTS/
HEMAGGLUTINATION INHIBITION TESTS/
*HISTOCOMPATIBILITY ANTIGENS/
HODGKIN'S DISEASE, drug therapy/
*HODGKIN'S DISEASE, immunology/
HODGKIN'S DISEASE, radiotherapy/ HUMAN/
IGA, analysis/ IGD, analysis/ IGG, analysis/
IGM, analysis/ *IMMUNOGLOBULINS, analysis/
INFLUENZA, ASIAN, immunology/
INFLUENZA VACCINE/ LYMPHOMA, drug
therapy/ *LYMPHOMA, immunology/
LYMPHOMA, radiotherapy/ PREDNISONE,
therapeutic use
3552. Sylvester R, Baskin RJ: Kinetics of calcium uptake in
normal and dystrophic sarcoplasmic reticulum.
Biochem Med 8:213-27, Oct 73
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
CHICKENS/ KINETICS/ MATHEMATICS/
MUSCULAR DYSTROPHY, ANIMAL, familial
& genetic/ *MUSCULAR DYSTROPHY,
ANIMAL, metabolism/ MUSCULAR
DYSTROPHY, ANIMAL, pathology/ POULTRY
DISEASES, familial & genetic/ POULTRY
DISEASES, metabolism/ POULTRY DISEASES,
pathology/ *SARCOPLASMIC RETICULUM,
metabolism/ TEMPERATURE
3553. Sylwestrowicz W, Niedźwiecki J, Metler S, et al:
Wywołanie czynności porodowej przy zastosowaniu
prostaglandyny F2alpha.
Ginekol Pol 44:1043-7, 1973 (Pol)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*LABOR, INDUCED/ MUSCLE CONTRACTION,
drug effects/ PREGNANCY/
*PROSTAGLANDINS, pharmacodynamics/
UTERUS, drug effects
3554. Symington RB, Hayes MM, Knight BK, et al: In vitro
demonstration of a direct feedback of luteinizing
hormone on the hypothalamus, using bovine tissue.
S Afr Med J 47:1731-4, 29 Sep 73
ABSORPTION/ ANIMAL EXPERIMENTS/
CATTLE/ DEPRESSION, CHEMICAL/
*FEEDBACK/ *HYPOTHALAMUS,
drug effects/ HYPOTHALAMUS, metabolism/
IN VITRO/ LH, metabolism/ *LH,
pharmacodynamics/ LH, secretion/ PITUITARY
GLAND, secretion/ RADIOIMMUNOASSAY/
SECRETORY RATE
3555. Symonds DA, Driscoll SG: An adrenal cortical rest
within the fetal ovary: report of a case.
Am J Clin Pathol 60:562-4, Oct 73
*ADRENAL CORTICAL REST TUMOR/
ADRENAL CORTICAL REST TUMOR,
pathology/ ADULT/ AUTOPSY/ FEMALE/
*FETAL DISEASES/ FETAL DISEASES,
pathology/ HUMAN/ MALE/ *OVARIAN
NEOPLASMS/ OVARY, pathology/
PREGNANCY
3556. Symons RH: Improved synthesis of 32P-labelled
3',5'-cyclic GMP and other 3',5'-cyclic ribo- and
deoxyribonucleotides of high specific activity.
Biochim Biophys Acta 320:535-9, 14 Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, chem synthesis/
ADENOSINE MONOPHOSPHATE/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/ CYTOSINE
NUCLEOTIDES/ DEOXYADENOSINE/
DEOXYRIBONUCLEOTIDES/
ELECTROPHORESIS, PAPER/ EVALUATION
STUDIES/ GUANINE NUCLEOTIDES/
*GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, chem synthesis/ ISOTOPE
LABELING/ METHODS/ *NUCLEOTIDES,
CYCLIC, chem synthesis/ PHOSPHORUS
RADIOISOTOPES/ RIBONUCLEOTIDES, chem
synthesis/ THYMINE NUCLEOTIDES/ TIME
FACTORS/ URACIL NUCLEOTIDES
3557. Szabo G, Eisenman G, Laprade R, et al: Experimentally

AUTHOR SECTION

- observed effects of carriers on the electrical properties of bilayer membranes-equilibrium domain. With a contribution on the molecular basis of ion selectivity. *Membranes* 2:179-328, 1973 (164 ref.)
AMIDES/ ANTI-BIOTICS/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE PERMEABILITY/ CHEMISTRY/ CHEMISTRY, PHYSICAL/ ELECTRIC CONDUCTIVITY/ ELECTRICITY/ ELECTRODES/ ETHERS, CYCLIC/ IODIDES/ LIGANDS/ *LIPIDS/ MATHEMATICS/ MEMBRANE POTENTIALS/ MEMBRANES/ METHYLATION/ MODELS, CHEMICAL/ OLIGOPEPTIDES/ PERMEABILITY/ REVIEW/ VALINOMYCIN/ VISCOSITY/ WATER
3558. Szabó I: Drive-decay theory of instrumental self-stimulation: motor correlates. *Acta Physiol Acad Sci Hung* 42:255-65, 1972
ANIMAL EXPERIMENTS/ CORPOKA QUADRIGEMINA/ ELECTRIC STIMULATION/ HYPOTHALAMUS/ MALE/ *MOTOR ACTIVITY/ RATS/ *SELF STIMULATION
3559. Szabo I, Milner PM: Electrode tip alignment and self-stimulation: Influence of anodal hyperpolarization. *Physiol Behav* 11:581-3, Oct 73
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ *ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, physiology/ MALE/ MODELS, NEUROLOGIC/ NEURAL CONDUCTION/ NEURAL INTERCONNECTIONS, physiology/ NEURONS, physiology/ RATS/ REWARD/ *SELF STIMULATION/ *STEREOTAXIC TECHNIQS
3560. Szczepański A: Gestageny w leczeniu twardziny. *Przegl Dermatol* 60:521-3, Jul-Aug 73 (Pol)
ADULT/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MIDDLE AGE/ PROGESTERONE, administration & dosage/ *PROGESTERONE, therapeutic use/ SCLERODERMA, SYSTEMIC, drug therapy
3561. Sznajderman M: Okres przekwitania u kobiet a układ krążenia--wybrane problemy kliniczne. *Ginekol Pol* 44:853-8, Aug 73 (Pol)
AGE FACTORS/ BLOOD PRESSURE/ *CARDIOVASCULAR SYSTEM, physiology/ *CLIMACTERIC/ FEMALE/ HUMAN/ MIDDLE AGE/ SEX HORMONES
3562. Szontágh F: Prostaglandinok az emberi fajfenntartásban. *Orv Hetil* 114:2337-41, 30 Sep 73 (Hun)
FEMALE/ HUMAN/ MALE/ PREGNANCY/ PROTAGLANDINS, administration & dosage/ PROTAGLANDINS, pharmacodynamics/ *PROTAGLANDINS, physiology/ *REPRODUCTION, drug effects
3563. Szot Z, Geisler J, Zylcz E, et al: Retention of Zn-65, Sr-85, Sr-89 and Ce-144 in rats following intramuscular injections of vitamins A or D. *Acta Physiol Pol* 24:577-86, Jul-Aug 73
ANIMAL EXPERIMENTS/ *CESIUM ISOTOPES, metabolism/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MALE/ *RADIOISOTOPES, metabolism/ RATS/ *STRONTIUM RADIOISOTOPES, metabolism/ TIME FACTORS/ VITAMIN A, administration & dosage/ *VITAMIN A, pharmacodynamics/ VITAMIN D, administration & dosage/ *VITAMIN D, pharmacodynamics/ *ZINC, metabolism
3564. Szulczyńska K: Zastosowanie leków immunosupresyjnych w dychawicy oskrzelowej. *Przegl Lek* 30:578-82, 1973 (Pol)
*ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANEMIA, APLASTIC, chemically induced/ *ASTHMA, drug therapy/ ASTHMA, immunology/ AZATHIOPRINE, adverse effects/ *AZATHIOPRINE, therapeutic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE
3565. Szymański W, Rozmiłowski K, Figurski A, et al: Wydalanie gonadotropiny kosmówkowej w poronieniu zagrażającym. I. Poronienie dokonane. *Ginekol Pol* 44:1013-8, 1973 (Pol)
*ABORTION, THREATENED, urine/ ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ PREGNANCY/ PROGNOSIS/ TIME FACTORS
- T
3566. Tabacik C, Descomps B, Crastes de Paulet A: The squalene epoxidase-cyclase activity of human term placenta. *FEBS Lett* 34:238-42, 15 Aug 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ CYTOSOL, enzymology/ ETHERS, CYCLIC/ FEMALE/ HUMAN/ *ISOMERASES, metabolism/ LANOSTEROL, biosynthesis/ LIVER, cytology LIVER, enzymology/ MICROSOMES, enzymology/ *OXYGENASES, metabolism/ PLACENTA, cytology/ *PLACENTA, enzymology/ PREGNANCY/ RATS/ SQUALENE/ TIME FACTORS/ TRITIUM
3567. Taber CA, Anderson EG: Paradoxical blockade of p-chlorophenylalanine of 5-hydroxytryptophan facilitatory actions on spinal reflexes. *J Pharmacol Exp Ther* 187:229-38, Nov 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BIOGENIC AMINES, metabolism/ CATS/ CHORDOTOMY/ DOPA, pharmacodynamics/ DRUG INTERACTIONS/ DRUG SYNERGISM/ FLUOROMETRY/ *HYDROXYTRYPTOPHAN, antagonists & inhibitors/ MODELS, NEUROLOGIC/ *REFLEX, MONOSYNAPTIC, drug effects/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ SPINAL CORD, physiology/ SPINAL NERVE ROOTS, physiology/ SYNAPTIC RECEPTORS, drug effects/ TIME FACTORS
3568. Tabin VA, Lebedev VP: Klinický význam sledování denních rytůmů některých fyziologických funkcí dětského organismu. *Cesk Pediatr* 28:396-8, Aug 73 (Cze)
ADRENAL GLANDS, physiology/ CHILD/ CHILD, PRESCHOOL/ *CIRCADIAN RHYTHM GLUCOCORTICIDS, urine/ GROWTH/ HUMAN/ INFANT/ INFANT, NEWBORN
3569. Tabor GL: Benign lymphocytic lymphoma of the upper eyelid and left plica semilunaris. *Ann Ophthalmol* 5:964-5, Sep 73
BIOPSY/ *CONJUNCTIVA/ CONJUNCTIVA, surgery/ *EYELID NEOPLASMS/ EYELID NEOPLASMS, drug therapy/ EYELID NEOPLASMS, surgery/ HUMAN/ INJECTIONS *LYMPHOSARCOMA/ MALE/ MIDDLE AGE/ TIME FACTORS/ TRIAMCINOLONE ACETONIDE, therapeutic use
3570. Taclob LT, Needle MA: Hyponatremic syndromes. *Med Clin North Am* 57:1425-33, Nov 73 (31 ref.)
ALDOSTERONE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ BLOOD/ CARDIAC GLYCOSIDES, therapeutic use/ DEHYDRATION, complications/ DIURETICS, therapeutic use/ GLOMERULAR FILTRATION RATE/ HEART FAILURE, CONGESTIVE, complications/ HYPONATREMIA, chemically induced/ *HYPONATREMIA, classification/ HYPONATREMIA, complications/ HYPONATREMIA, diagnosis/ HYPONATREMIA, drug therapy/ HYPONATREMIA, etiology/ HYPONATREMIA, therapy/ KIDNEY FAILURE, ACUTE, complications/ KIDNEY FAILURE, CHRONIC, complications/ LIVER CIRRHOSIS, complications/ NEPHROTIC SYNDROME, complications/ REVIEW/ SODIUM, metabolism, SODIUM, urine/ SYNDROME/ VASOPRESSIN, adverse effects/ VASOPRESSIN, secretion/ WATER, metabolism
3571. Tago T: [Changes in blood pressure and plasma serotonin level in hypertensive cerebral

AUTHOR SECTION

- hemorrhage-clinical and experimental studies]
Jap Circ J 37:1447-80, Feb 73 (Jap)
- ANIMAL EXPERIMENTS/ BLOOD CELL
COUNT/ BLOOD PLATELETS/ *BLOOD
PRESSURE/ *CEREBRAL HEMORRHAGE,
blood/ CEREBRAL HEMORRHAGE,
cerebrospinal fluid/ CEREBRAL
HEMORRHAGE, etiology/ CEREBRAL
HEMORRHAGE, physopathology/ DOGS/
FEMALE/ HEMATOMA, cerebrospinal fluid/
HEMATOMA, physopathology/ HUMAN/
HYPERTENSION, complications/ MALE/
PONS/ PRESSURE/ *SEROTONIN, blood/
TIME FACTORS
72. Tait AD: The biosynthesis of
23,24-dinor-5-cholesterol-3 β ,20-diol and
23,24-dinor-5-cholesterol-3 β ,21-diol.
Steroids 22:239-45, Aug 73
ACETATES, metabolism/ *ADRENAL GLANDS,
metabolism/ ANIMAL EXPERIMENTS/
CATTLE/ CHOLESTEROL, biosynthesis/
CHOLESTEROL, metabolism/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
HYDROXYSTERIODS, biosynthesis/ IN VITRO/
*PREGNENES, biosynthesis/ TERPENES,
metabolism/ TRITIUM
73. Takagi M, Ishikawa G, Horii E: An autopsy case of
pemphigus vulgaris complicating a fatal
strongyloidiasis. Acta Pathol Jap 23:173-81, Feb 73
ADRENAL CORTIX HORMONES, adverse
effects/ ADRENAL CORTIX HORMONES,
therapeutic use/ AUTOPSY/ BIOPSY/
BRONCHI/ COLON/ DUODENUM/ FEMALE/
GINGIVA, pathology/ HUMAN/ LUNG/
MIDDLE AGE/ PEMPHIGUS, complications/
PEMPHIGUS, drug therapy/ *PEMPHIGUS,
pathology/ SKIN, pathology/
STRONGYLOIDES, isolation & purification/
*STRONGYLOIDIASIS, complications
74. Takahashi T, Mizuno M, Fujita Y, et al: Increased
concentration of anticancer agents in regional lymph
nodes by fat emulsions, with special reference to
chemotherapy of metastasis. Gann 64:345-50, Aug 73
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ EMULSIONS/ FATS/
*FLUOROURACIL, administration & dosage/
FLUOROURACIL, analysis/ FLUOROURACIL,
blood/ FLUOROURACIL, therapeutic use/
HISTOCYTOCHEMISTRY/ INJECTIONS/
INJECTIONS, INTRAVENOUS/ KIDNEY,
analysis/ LYMPH NODES, analysis/
*LYMPHATIC METASTASIS, drug therapy/
MALE/ RATS/ TESTIS/ TRITIUM
75. Takeuchi T, Takemoto T, Tani T, et al: Letter:
Gastrin-like immunoreactivity in salivary gland and
saliva. Lancet 2:920, 20 Oct 73
ANTIBODIES, analysis/ *GASTRIN, analysis/
HORMONES, analysis/ *HORMONES,
physiology/ HUMAN/ IMMUNOASSAY/
PAROTIN, physiology/ *SALIVA, analysis/
SALIVARY GLANDS, analysis/ *SALIVARY
GLANDS, physiology
76. Takeva T, Motta P, Despodova T: Kum vuprosa za
ladrenilite vkluchvanila pri
steroido-proditsirabshite kletki na laichnika v
morma l pri zbeni sus Stein-Levental-sindrom.
Akush Ginekoi (Sofia) 12:4-9, 1973 (Bul)
BIOPSY/ CELL NUCLEUS/ *CELLULAR
INCLUSIONS, metabolism/ CORPUS LUTEUM,
secretion/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ OVARY, cytology/ OVARY,
pathology/ *OVARY, secretion/
*STEIN-LEVENTHAL SYNDROME, metabolism/
*STEROIDS, secretion
77. Takita H, Brugarolas A: Skin test in bronchogenic
carcinoma. I. Correlation of the immunological status
and the extent of the disease.
J Surg Oncol 5:315-8, 1973
*ADENOCARCINOMA, immunology/ ADULT/
AGED/ *CARCINOMA, BRONCHOLAR,
immunology/ *CARCINOMA, BRONCHOGENIC,
immunology/ *CARCINOMA, EPIDERMOID,
immunology/ *CARCINOMA, OAT CELL,
immunology/ FEMALE/ HUMAN/
*HYPERSENSITIVITY, DELAYED/
*IMMUNITY, CELLULAR/ *LUNG
NEOPLASMS, immunology/ LYMPHATIC
METASTASIS/ MALE/ MIDDLE AGE/
NEOPLASM METASTASIS/ PROGNOSIS/
*SKIN TESTS
3578. Takita H, Brugarolas A, Marabella P, et al: Small cell
carcinoma of the lung. Clinicopathological studies.
J Thorac Cardiovasc Surg 66:472-7, Sep 73
ADULT/ AGED/ AUTOPSY/ *CARCINOMA,
BRONCHOGENIC/ CARCINOMA, OAT CELL,
drug therapy/ CARCINOMA, OAT CELL,
mortality/ CARCINOMA, OAT CELL,
pathology/ CARCINOMA, OAT CELL,
radiography/ CARCINOMA, OAT CELL,
radiotherapy/ CARCINOMA, OAT CELL,
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NEOPLASMS/ LUNG NEOPLASMS, drug
therapy/ LUNG NEOPLASMS, mortality/
LUNG NEOPLASMS, pathology/ LUNG
NEOPLASMS, radiography/ LUNG
NEOPLASMS, radiotherapy/ LUNG
NEOPLASMS, surgery/ MALE/ MIDDLE AGE/
NEOPLASM METASTASIS/ NEW YORK/
RETROSPECTIVE STUDIES
3579. Talesnik J, Sunahara FA: Enhancement of metabolic
coronary dilatation by aspirin-like substances by
suppression of prostaglandin feedback control?
Nature 244:351-3, 10 Aug 73
ANIMAL EXPERIMENTS/ ASPIRIN,
administration & dosage/ *ASPIRIN,
pharmacodynamics/ CALCIUM,
pharmacodynamics/ *CORONARY VESSELS,
drug effects/ FEEDBACK/ HEART RATE,
drug effects/ INDOMETHACIN, administration
& dosage/ *INDOMETHACIN,
pharmacodynamics/ INFUSIONS,
PARENTERAL/ MALE/ NOREPINEPHRINE,
pharmacodynamics/ *PROSTAGLANDINS,
antagonists & inhibitors/ PROSTAGLANDINS,
pharmacodynamics/ RATS/ REGIONAL BLOOD
FLOW, drug effects/ *VASODILATOR
AGENTS
3580. Talwar GP: Unifying concepts in the response of
mammalian cells to stimuli.
Indian J Med Res 61:791-801, Jun 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
biosynthesis/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CELL DIFFERENTIATION/
CELL MEMBRANE PERMEABILITY, drug
effects/ CHICKENS/ DNA, biosynthesis/ EGG
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ACTIVATION, drug effects/ ESTRADIOL,
metabolism/ ESTRADIOL, pharmacodynamics/
HORMONES, pharmacodynamics/ HUMAN/
LEUKOCYTES, enzymology/ LYMPHOCYTE
TRANSFORMATION, drug effects/ PLANT
AGGLUTININS, pharmacodynamics/
*RECEPTORS, HORMONE/ STIMULATION,
CHEMICAL/ TRANSCRIPTION, GENETIC/
UTERUS, metabolism
3581. Tam WH: Progesterone levels during the oestrous
cycle and pregnancy in the culs, Galea musteloides.
J Reprod Fertil 35:105-14, Oct 73
ANIMAL EXPERIMENTS/ ARTERIES/
CHROMATOGRAPHY, GAS/ CORPUS
LUTEUM, analysis/ *ESTRUS/ FEMALE/
GESTATIONAL AGE/ *GUINEA PIGS,
physiology/ METHODS/ PLACENTA/
PREGNANCY/ *PREGNANCY, ANIMAL/
*PROGESTERONE, blood/ TIME FACTORS
3582. Tan P, Auersperg N: Effects of the antineoplastic
alkaloid acronycine on the ultrastructure and growth
patterns of cultured cells. Cancer Res 33:2320-9, Oct 73
*ACRIDINES, pharmacodynamics/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ *ALKALOIDS,
pharmacodynamics/ *ANTINEOPLASTIC
AGENTS, pharmacodynamics/ CELL
ADHESION, drug effects/ *CELL DIVISION,
drug effects/ CELL LINE/ CELL NUCLEUS/
CELLS, CULTURED/ CERVIX NEOPLASMS/

AUTHOR SECTION

- CYTOCHALASIN B, pharmacodynamics/
GOLGI APPARATUS/ HUMAN/ LEUKEMIA,
EXPERIMENTAL/ *LEUKEMIA,
LYMPHOCYTIC/ MELANOMA, pathology/
MICE/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ MITOSIS, drug effects/
SV40 VIRUS/ TIME FACTORS/ TUMOR
VIRUS INFECTIONS
3583. Tanese T: [Biosynthesis of proinsulin and insulin]
Jap J Clin Med 31:2173-9, Jul 73 (20 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ ANIMAL EXPERIMENTS/
DIABETES MELLITUS, metabolism/ GLUCOSE,
metabolism/ *INSULIN, biosynthesis/ ISLANDS
OF LANGERHANS, metabolism/ MODELS,
CHEMICAL/ *PROINSULIN, biosynthesis/
RATS/ REVIEW/ SULFONYLUREA
COMPOUNDS, pharmacodynamics
3584. T'ang MI: [Clinical application of prostaglandin in
obstetrics] Chin Med J 9:563-9, 1973 (32 ref.) (Chi)
*ABORTION, INDUCED/ *CONTRACEPTIVE
AGENTS/ FEMALE/ HUMAN/ *LABOR,
INDUCED/ PREGNANCY/
PROSTAGLANDINS, pharmacodynamics/
REVIEW/ UTERUS, drug effects
3585. Tanga MR, Avaradi PR, Gandhi GM: Abdominoscrotal
hydrocele. Br J Surg 80:834-6, Oct 73
*ABDOMEN/ ADULT/ CRYPTORCHISM,
complications/ DISGERMINOMA, complications/
DISGERMINOMA, pathology/ HUMAN/
HYDROCELE, complications/ *HYDROCELE,
diagnosis/ HYDROCELE, surgery/ MALE/
*SCROTUM/ TESTICULAR NEOPLASMS,
complications/ TESTICULAR NEOPLASMS,
pathology
3586. Tanizawa O, Aono T, Minamikawa J, et al: [Serum
LH(HCG) and FSH-interpretation of the test results]
Jap J Clin Med 31:1606-14, 1973 (Jap)
ADOLESCENCE/ ADULT/ AGED/ CHILD/
CHILD, PRESCHOOL/ FEMALE/ *FSH, blood/
HUMAN/ INFANT/ *LH, blood/ MALE/
MIDDLE AGE
3587. Tanneberger S, Rieche K, Butschak G, et al: Über die
biologische Individualität menschlicher Tumoren.
Arch Geschwulstforsch 41:177-96, 1973 (123 ref.)
(Ger)
BREAST NEOPLASMS, pathology/
ENDOCRINOLOGY/ ENGLISH ABSTRACT/
HUMAN/ *NEOPLASMS, classification/
NEOPLASMS, drug therapy/ NEOPLASMS,
enzymology/ NEOPLASMS, immunology/
NEOPLASMS, metabolism/ RADIOBIOLOGY/
REVIEW
3588. Tapla HR, Kuster GG, Woods JE, et al: Renin activity in
canine acute hepatic necrosis and chronic toxic
hepatitis. Can J Physiol Pharmacol 51:360-5, May 73
ALKALINE PHOSPHATASE, blood/ ANIMAL
EXPERIMENTS/ ASPARTATE
AMINOTRANSFERASE, blood/ BILIRUBIN,
blood/ CREATININE, blood/ DOGS/ GRAFT
REJECTION/ HEPATIC ARTERY/ HEPATIC
VEINS/ HEPATITIS, TOXIC, blood/
HEPATITIS, TOXIC, etiology/ *HEPATITIS,
TOXIC, metabolism/ LIVER, metabolism/
LIVER, transplantation/ *LIVER DISEASES,
metabolism/ LIVER FUNCTION TESTS/
*NECROSIS, metabolism/ NITROSAMINES/
PORTAL VEIN/ RADIOIMMUNOASSAY/
RENIN, blood/ *RENIN, metabolism/ TIME
FACTORS/ TRANSPLANTATION,
HOMOLOGOUS
3589. Tappel A, Fletcher B, Deamer D: Effect of antioxidants
and nutrients on lipid peroxidation fluorescent
products and aging parameters in the mouse.
J Gerontol 28:415-24, Oct 73
*AGING/ ANIMAL EXPERIMENTS/
*ANTIOXIDANTS, pharmacodynamics/
ASCORBIC ACID, pharmacodynamics/ BODY
WEIGHT/ CALCIUM, metabolism/ CRESOLS,
pharmacodynamics/ *DIET/ EXERTION/
KIDNEY FUNCTION TESTS/ *LIPIDS,
metabolism/ MALE/ METHIONINE,
pharmacodynamics/ MICE/ MICE, INBRED
- STRAINS/ MICROSOMES, metabolism/
MORTALITY/ MUSCLES, metabolism/
MYOCARDIUM, metabolism/
OXIDATION-REDUCTION/ *PIGMENTS,
metabolism/ SELENIUM, pharmacodynamics/
SPECTROMETRY, FLUORESCENCE/ TESTIS,
metabolism/ VITAMIN E, pharmacodynamics
3590. Tarasenko VD, Iuvonina LM: Osobennosti elektrofore
loda v ul'trazvukovom pole.
Vopr Kurortol Fizioter Lech Fiz Kult 37:432,
Sep-Oct 72 (Ru)
ADULT/ HUMAN/ *IODINE, therapeutic use/
IODINE ISOTOPES/ *IONTOPHORESIS/ SKIN
ABSORPTION/ *ULTRASONICS
3591. Tarazi RC, Ibrahim MM, Bravo EL, et al: Hemodynam
characteristics of primary aldosteronism.
N Engl J Med 289:1330-5, 20 Dec 73
ADENOMA, surgery/ ADRENAL GLAND
NEOPLASMS, surgery/ ADULT/ BLOOD
PRESSURE/ BLOOD VOLUME/ CARDIAC
OUTPUT/ DYE DILUTION TECHNIC/
FEMALE/ HEART RATE/ HEART
VENTRICLE, physiopathology/
*HEMODYNAMICS/ HUMAN/
*HYPERALDOSTERONISM, physiopathology/
HYPERALDOSTERONISM, surgery/
HYPERTENSION, physiopathology/
INDOCYANINE GREEN, diagnostic use/
MALE/ MIDDLE AGE/ PLASMA VOLUME/
VASCULAR RESISTANCE
3592. Targett CS, Gunese H, McBride F, et al: An evaluatio
of the effects of smoking on maternal oestrog
excretion during pregnancy and on fetal outcom
J Obstet Gynaecol Br Commonw 80:815-21, Sep 73
BIRTH WEIGHT/ *ESTRIOL, metabolism/
FEMALE/ FETAL DEATH/ *FETUS, growth
& development/ GESTATIONAL AGE/
HUMAN/ *PREGNANCY/ *SMOKING
3593. Tarnowski R: Wpływ 17-beta estradiolu na aktywność
karbamolotransferazy asparaginianowej (EC 2.1.3.2
w wątrobie, nerce i macicy szczura.
Ginekol Pol 44:985-91, 1973 (Po)
ANIMAL EXPERIMENTS/ *ASPARTATE
CARBAMOYL- TRANSFERASE, metabolism/
CASTRATION/ ENGLISH ABSTRACT/
*ESTRADIOL, pharmacodynamics/ FEMALE/
KIDNEY, enzymology/ LIVER, enzymology/
RATS/ *UTERUS, enzymology
3594. Tarsoly E, Kalssling B: Veränderungen des
Knochenmarks und des Juxtaglomerulären Apparates
unter dem Einfluß langdauernder
Testosteronverabreichung.
Acta Chir Acad Sci Hung 14:79-88, 1973 (Ger)
ANIMAL EXPERIMENTS/ *BONE MARROW
CELLS, drug effects/ BONE MARROW
EXAMINATION/ ENGLISH ABSTRACT/
EPITHELIUM/ ERYTHROCYTES, drug effects
ERYTHROPOIESIS, drug effects/
*JUXTAGLOMERULAR APPARATUS, drug
effects/ MALE/ MITOSIS/ RATS/ STAINS
AND STAINING/ *TESTOSTERONE,
administration & dosage/ TESTOSTERONE,
pharmacodynamics
3595. Tarui S, Saito Y: [Conduction of insulin action: th
receptor and transmitter]
Jap J Clin Med 31:2205-12, Jul 73 (40 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ ANIMAL EXPERIMENTS/ CELL
MEMBRANE, metabolism/ CELL MEMBRANE
PERMEABILITY, drug effects/ DEXTRAN,
pharmacodynamics/ INSULIN, metabolism/
INSULIN, pharmacodynamics/ *INSULIN,
physiology/ PEPTIDE PEPTIDOHYDROLASES,
metabolism/ RATS/ *RECEPTORS, HORMONE/
REVIEW
3596. Tash JS, Mann T: Adenosine 3':5'-cyclic
monophosphate in relation to motility and senescence
of spermatozoa.
Proc R Soc Lond [Biol] 184:109-14, 31 Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ CATTLE/ CELL MOVEMENT/
CELL SURVIVAL/ HORSES/ MALE/ SHEEP/

AUTHOR SECTION

- SPERMATOZOA, cytology/ *SPERMATOZOA, metabolism/ SWINE
397. Tassopoulos CN, Papadimitriou GC, Triantafyllou D, et al: The importance of gonadography and gonadometry in the diagnosis of polycystic ovaries. *Int Surg* 58:619-22, Sep 73
ADULT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN CYSTS, pathology/ *OVARIAN CYSTS, radiography/ OVARY, anatomy & histology/ OVARY, pathology/ STEIN-LEVENTHAL SYNDROME, pathology/ STEIN-LEVENTHAL SYNDROME, radiography/ TECHNOLOGY, RADIOLOGIC
598. Tatò L, Meneghelli G, Voipato S: Su un caso di insufficienza renale cronica non ipertensiva di origine malformativa (ipoplasia aorta addominale, agenesia rene surrene dx., ipoplasia rene sinistro. *Minerva Pediatr* 25:1219-21, Aug 73 (Ita)
ABNORMALITIES, MULTIPLE/ *ADRENAL GLANDS, abnormalities/ *AORTA, ABDOMINAL, abnormalities/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *KIDNEY, abnormalities/ *KIDNEY FAILURE, CHRONIC, etiology
599. Tay CH: Letter: Pyoderma gangrenosum and leukemia. *Arch Dermatol* 108:580-1, Oct 73
ACUTE DISEASE/ ADOLESCENCE/ FEMALE/ *GANGRENE, complications/ GANGRENE, drug therapy/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MERCAPTOPYRINE, therapeutic use/ METHOTREXATE, therapeutic use/ PREDNISOLONE, therapeutic use/ *PYODERMA, complications/ PYODERMA, drug therapy/ RIFAMPIN, therapeutic use
1800. Taylor DC: Radioimmunoassay. *J Tenn Med Assoc* 66:825 passim, Sep 73
BINDING, COMPETITIVE/ CARDIAC GLYCOSIDES, analysis/ HORMONES, analysis/ NARCOTICS, analysis/ PROTEINS, analysis/ *RADIOIMMUNOASSAY/ VITAMINS, analysis
1801. Taylor JH, Adams AG, Kurek MP: Replication of DNA in mammalian chromosomes. II. Kinetics of 3H-thymidine incorporation and the isolation and partial characterization of labeled subunits at the growing point. *Chromosoma* 41:361-84, 27 Apr 73
BACTERIOLYSIS/ BROMODEOXYURIDINE, metabolism/ CARBON RADIOISOTOPES/ CELL LINE/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMOSOMES, metabolism/ COLIPHAGES/ *DNA REPLICATION/ ESCHERICHIA COLI/ HAMSTERS/ ISOTOPE LABELING/ KINETICS/ MITOSIS/ OVARY, cytology/ *THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM
1802. Taylor PV, Hancock KW: Viability of human trophoblast in vitro. *J Obstet Gynaecol Br Commonw* 80:834-8, Sep 73
*CELLS, CULTURED/ CULTURE MEDIA/ EPITHELIAL CELLS/ FIBROBLASTS/ GONADOTROPINS, CHORIONIC, biosynthesis/ HUMAN/ MICROSCOPY, PHASE CONTRAST/ MITOSIS/ PLACENTA/ *TROPHOBLAST/ TRYPTAN BLUE
3803. Tchang S, Tyrrell MJ, Bharadwaj B: Skeletal change in cyanotic heart disease simulating Cooley's anemia. Report of a case with regression of bony changes following palliative cardiac surgery. *J Can Assoc Radiol* 24:274-9, Sep 73
*BONE AND BONES, radiography/ CEPHALOMETRY/ CHILD, PRESCHOOL/ HEART DEFECTS, CONGENITAL, complications/ *HEART DEFECTS, CONGENITAL, radiography/ HEART DEFECTS, CONGENITAL, surgery/ *HEART SURGERY/ HUMAN/ INDIANS, NORTH AMERICAN/ INFANT/ INFANT, NEWBORN/ LUNG, radiography/ MALE/ *PALLIATIVE TREATMENT/ RIBS, radiography/ SASKATCHEWAN/ SITUS INVERSUS, complications/ SITUS INVERSUS, radiography/ *THALASSEMIA, radiography
3604. Tchernitchin A: Fine structure of rat uterine eosinophils and the possible role of eosinophils in the mechanism of estrogen action. *J Steroid Biochem* 4:277-82, May 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS, analysis/ CYTOSOL, analysis/ *EOSINOPHILS, cytology/ EOSINOPHILS, metabolism/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ GOLGI APPARATUS, analysis/ HISTOCYTOCHEMISTRY/ LYSOSOMES, analysis/ MICROSCOPY, ELECTRON/ ORGANIDS, analysis/ RATS/ RECEPTORS, HORMONE/ TIME FACTORS/ *UTERUS, cytology/ UTERUS, drug effects/ UTERUS, metabolism
3605. Tchernitchin A, Tchernitchin X, Bongiovanni AM: Iodination of estrogen receptors in rat uterine eosinophils. *J Steroid Biochem* 4:401-6, Jul 73
ALCOHOL, ETHYL/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *EOSINOPHILS, drug effects/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ *IODINE, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE, drug effects/ TRITIUM/ *UTERUS, metabolism
3606. Teixeira VL, Antunes-Rodrigues J, Migliorini RH: Evidence for centers in the central nervous system that selectively regulate fat mobilization in the rat. *J Lipid Res* 14:672-7, Nov 73
ADRENAL MEDULLA, physiology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCOSE, administration & dosage/ GLUCOSE, pharmacodynamics/ *HYPOTHALAMUS, physiology/ INJECTIONS, INTRAPERITONEAL/ *LIPID MOBILIZATION/ MALE/ NEURONS, AFFERENT, physiology/ RATS
3607. Teoh PC, Tan DK, Da Costa JL, et al: Acquired pure red-cell aplasia in adults. *Med J Aust* 2:373-6, 25 Aug 73
AGED/ ANEMIA, APLASTIC, chemically induced/ ANEMIA, APLASTIC, drug therapy/ *ANEMIA, APLASTIC, etiology/ ANEMIA, APLASTIC, therapy/ AUTOIMMUNE DISEASES, complications/ BLOOD TRANSFUSION/ *CHLORPROPAMIDE, adverse effects/ HUMAN/ MALE/ METHYLTESTOSTERONE, therapeutic use/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ REMISSION/ *THYMOMA, complications/ *THYMUS NEOPLASMS, complications
3608. Terkel J, Blake CA, Hoover V, et al: Pup survival and prolactin levels in nicotine-treated lactating rats. *Proc Soc Exp Biol Med* 143:1131-5, Sep 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BIRTH WEIGHT, drug effects/ FEMALE/ *LACTATION, drug effects/ *MATERNAL-FETAL EXCHANGE/ *NICOTINE, pharmacodynamics/ *PREGNANCY, drug effects/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS
3609. Terland O, Flatmark T: NADH(NADPH): (acceptor) oxidoreductase activities of the bovine adrenal chromaffin granules. *Biochim Biophys Acta* 305:206-18, 30 May 73
ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, enzymology/ AEROBIOISIS/ CATTLE/ CELL FRACTIONATION/ CHROMAFFIN SYSTEM, analysis/ CHROMAFFIN SYSTEM, cytology/ *CHROMAFFIN SYSTEM, enzymology/ CYTOCHROME C, pharmacodynamics/ CYTOCHROMES, metabolism/ ELECTRON TRANSPORT/ FUMARATES, pharmacodynamics/ HYDROXYMERCURIBENZOATES, pharmacodynamics/ KINETICS/ MICROSCOPY, ELECTRON/ NADH, NADPH OXIDOREDUCTASES, metabolism/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES, metabolism/ OXYGEN CONSUMPTION/ PICOLINIC ACIDS,

AUTHOR SECTION

- pharmacodynamics/ SCATTERING,
RADIATION/ SOLUBILITY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SURFACE-ACTIVE AGENTS,
pharmacodynamics/ TIME FACTORS/
ULTRAFILTRATION
3610. Termlne JD, Lundy DR: Hydroxide and carbonate in rat bone mineral and its synthetic analogues. *Calcif Tissue Res* 13:73-82, 1973
ANIMAL EXPERIMENTS/ *APATITES/ *BONE AND BONES, analysis/ *CARBONATES, analysis/ CRYSTALLIZATION/ FEMALE/ HYDROGEN-ION CONCENTRATION/ *HYDROXIDES, analysis/ MOLECULAR CONFORMATION/ RATS/ SPECTROPHOTOMETRY, INFRARED
3611. Tessier A, Pallotta D: Analysis of basic proteins during spermatogenesis in the cricket, *Acheta domestica*. *Exp Cell Res* 82:103-10, Nov 73
ANIMAL EXPERIMENTS/ CATTLE/ CELL NUCLEUS, analysis/ CHROMATIN, analysis/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *GRASSHOPPERS, analysis/ GRASSHOPPERS, anatomy & histology/ HISTONES, analysis/ INTESTINES, analysis/ LARVA, anatomy & histology/ MALE/ MOLECULAR WEIGHT/ PROTAMINES, analysis/ *PROTEINS, analysis/ PROTEINS, isolation & purification/ SALMON, analysis/ SPECTROPHOTOMETRY/ *SPERMATOOZOA, analysis/ SPERMATOOZOA, cytology/ TESTIS, cytology/ THYMUS GLAND, analysis
3612. Testart J: Réponse folliculaire du veau femelle impubère a divers traitements de gonadotropine sérique associée ou non a un progestagène. *Ann Biol Anim Biochim Biophys* 12:397-409, 1972 (Fre)
ANIMAL EXPERIMENTS/ CATTLE/ CELL DIFFERENTIATION/ CORPUS LUTEUM, physiology/ CRONOLONE, pharmacodynamics/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE, anatomy & histology/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, growth & development/ *GRAAFIAN FOLLICLE, physiology/ HUMAN/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ OVARY, physiology/ OVULATION, drug effects/ *PREGNEDIONES, pharmacodynamics/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *STEROIDS, FLUORINATED, pharmacodynamics/ TIME FACTORS/ UTERUS, anatomy & histology
3613. Thakar JH, Wrogemann K, Blanchaer MC: Effect of ruthenium red on oxidative phosphorylation and the calcium and magnesium content of skeletal muscle mitochondria of normal and BIO 14.6 dystrophic hamsters. *Biochim Biophys Acta* 314:8-14, 26 Jul 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CELL FRACTIONATION/ *DYES, pharmacodynamics/ FEMALE/ HAMSTERS/ *MAGNESIUM, metabolism/ MALE/ MITOCHONDRIA, MUSCLE, drug effects/ *MITOCHONDRIA, MUSCLE, metabolism/ *MUSCULAR DYSTROPHY, ANIMAL, metabolism/ *OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ *RUTHENIUM, pharmacodynamics
3614. Théron J: Les affluents du plexus caverneux. *Neurochirurgie* 18:623-38, Dec 72 (Fre)
*CAROTID ARTERIES, radiography/ CAROTID ARTERY, EXTERNAL, radiography/ CAROTID ARTERY, INTERNAL, radiography/ *CAVERNOUS SINUS, radiography/ CEREBRAL ANGIOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ ORBIT, blood supply/ PHLEBOGRAPHY/ PITUITARY NEOPLASMS, radiography
3615. Theve NO, Carlström A, Hallberg D: Studies in fat necrosis. IV. Anastomosis between the abdominal cavities in rats with and without experimentally induced pancreatitis. *Acta Chir Scand* 139:503-5, 1972
ABDOMEN/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLYCERIN, metabolism/ LIPASE/ LIPID MOBILIZATION/ MALE/ METHODS/ *NECROSIS, etiology/ PANCREATITIS, chemically induced/ *PANCREATITIS, complications/ *PARABIOSIS/ RATS/ TAUROCHOLIC ACID/ TIME FACTORS
3616. Thiel HJ, Blümcke S: Histochemische und feinstrukturelle Befunde an der Cornea bei Osteogenesis imperfecta. *Ber Dtsch Ophthalmol Ges* 71:114-6, 1972 (Ger)
CELL NUCLEUS/ COLLAGEN, analysis/ *CORNEA, pathology/ ENDOPLASMIC RETICULUM/ HISTOCYTOCHEMISTRY/ HUMAN/ INFANT, NEWBORN/ MICROSCOPY, ELECTRON/ MUCOPOLYSACCHARIDES, analysis/ *OSTEOGENESIS IMPERFECTA, pathology
3617. Thiele J, Reale E, Georgii A: Ein Beitrag zur Feinstruktur von endokrinen aktiven Epithelkörpercarcinomen. *Virchows Arch [Zellpathol]* 13:153-68, 25 Jun 73 (Ger)
AGED/ BONE AND BONES, pathology/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FEMALE/ GOLGI APPARATUS/ HUMAN/ HYPERPARATHYROIDISM, complications/ MICROSCOPY, ELECTRON/ PARATHYROID NEOPLASMS, complications/ *PARATHYROID NEOPLASMS, pathology
3618. Thiele R, Klose BJ, Schramel P, et al: Das Verhalten von essentiellen Spurenelementen im Verlauf der normalen und pathologischen Schwangerschaft. (Ein Beitrag zur Diagnose der Plazentainsuffizienz. Geburtshilfe Frauenheilkd 33:652-61, Aug 73 (Ger)
ABORTION, blood/ CALCIUM, blood/ COBAL, blood/ COPPER, blood/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/ HUMAN/ IRON, blood/ MOLYBDENUM, blood/ PLACENTA DISORDERS, blood/ PLACENTA DISORDERS, diagnosis/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY TOXEMIAS, blood/ RUBIDIUM, blood/ SODIUM, blood/ *TRACE ELEMENTS, blood
3619. Thiessen G: Physiologische und mikrospektrophotometrische Analytik bestrahlter Gewebekulturzellen. *Prog Histochem Cytochem* 4:87-191, 1972 (Ger)
ANIMAL EXPERIMENTS/ CELL DIVISION, radiation effects/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ *CELLS, CULTURED, radiation effects/ CHROMOSOMES, radiation effects/ CLONE CELLS, metabolism/ *CLONE CELLS, radiation effects/ DNA, biosynthesis/ DNA REPLICATION, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ HAMSTERS/ KARYOTYPING/ METHODS/ MITOSIS, radiation effects/ OVARY/ RADIATION DOSAGE/ *RADIATION EFFECTS/ *SPECTROPHOTOMETRY, ULTRAVIOLET/ TISSUE CULTURE/ *ULTRAVIOLET RAYS
3620. Thody AJ, Shuster S: Possible role of MSH in the mammal. *Nature* 245:207-9, 28 Sep 73
ANIMAL EXPERIMENTS/ FEMALE/ HYPOPHYSECTOMY/ *MSH, pharmacodynamics/ OXYTOCIN, pharmacodynamics/ *PITUITARY HORMONES, pharmacodynamics/ RATS/ *SEBUM, secretion/ SWINE/ VASOPRESSIN, pharmacodynamics
3621. Thomas AW: Follicle developmental stages in blood-seeking horseflies (Diptera: Tabanidae) in Alberta, Canada. *J Med Entomol* 10:325-8, 31 Jul 73
ALBERTA/ ANIMAL EXPERIMENTS/ BLOOD/ *DIPTERA, physiology/ *FEEDING BEHAVIOR/ FEMALE/ GRAAFIAN FOLLICLE, growth & development/ HORSES

AUTHOR SECTION

3622. Thomas ED, Nelman P: Treatment of chronic lymphocytic leukemia. NC Med J 34:789-91, Oct 73
CHLORAMBUCIL, therapeutic use/ HUMAN/
LEUKEMIA, LYMPHOCYTIC, diagnosis/
LEUKEMIA, LYMPHOCYTIC, radiotherapy/
*LEUKEMIA, LYMPHOCYTIC, therapy/
PREDNISONE, administration & dosage/
PREDNISONE, therapeutic use
3623. Thomas RG, Ewing WC, Catron DL, et al: In vivo solubility of four forms of barium determined by scanning techniques.
Am Ind Hyg Assoc J 34:350-9, Aug 73
AEROSOLS/ ALUMINUM SILICATES,
metabolism/ ANIMAL EXPERIMENTS/
*BARIUM, metabolism/ BARIUM SULFATE,
metabolism/ BONE AND BONES, metabolism/
CARBONATES, metabolism/ CHLORIDES,
metabolism/ FEMALE/ HALF-LIFE/
HINDLIMB/ INJECTIONS, INTRAMUSCULAR/
KINETICS/ MATHEMATICS/ *RADIOISOTOPE
SCANNING/ RADIOISOTOPES/ RATS/
SOLUBILITY/ TIME FACTORS
3624. Thomas RG, Felicetti SW, Lucchino RV, et al: Retention patterns of antimony in mice following inhalation of particles formed at different temperatures.
Proc Soc Exp Biol Med 144:544-50, Nov 73
AEROSOLS/ ANIMAL EXPERIMENTS/
ANTIMONY, administration & dosage/
*ANTIMONY, metabolism/
AUTORADIOGRAPHY/ BODY BURDEN/ BONE
AND BONES, metabolism/ FEMUR,
metabolism/ GASTROINTESTINAL SYSTEM,
metabolism/ HAIR, metabolism/ HEAD/
LIVER, metabolism/ LUNG, metabolism/
MICE/ RADIOISOTOPES/ *TEMPERATURE/
TIME FACTORS
3625. Thompson EB: Comparison of degree of susceptibility of hyperthyroid and euthyroid animals to cardiac glycoside-induced arrhythmias.
J Pharm Sci 62:1638-43, Oct 73
ANIMAL EXPERIMENTS/ *ARRHYTHMIA,
chemically induced/ BLOOD PRESSURE, drug
effects/ CALCIUM CHLORIDE,
pharmacodynamics/ *CARDIAC GLYCOSIDES/
GUINEA PIGS/ HEART RATE, drug effects/
OUABAIN/ PENTOBARBITAL,
pharmacodynamics/ PRACTOLOL,
pharmacodynamics/ RABBITS/ RESERPINE,
pharmacodynamics/ *THYROID GLAND,
physiology/ THYROXINE, pharmacodynamics/
TIME FACTORS
3626. Thompson GF, Collins JM, Schmalzried LM: Total rate equation for decomposition of prostaglandin E2.
J Pharm Sci 62:1738-9, Oct 73
ALCOHOL, METHYL/ DRUG STABILITY/
HYDROGEN-ION CONCENTRATION/
KINETICS/ MATHEMATICS/
*PROSTAGLANDINS/ SOLVENTS/ WATER
3627. Thomson GE: Acute renal failure.
Med Clin North Am 57:1579-89, Nov 73 (29 ref.)
ANGIOTENSIN, blood/ ANURIA,
drug therapy/ BLOOD PRESSURE/ BLOOD
UREA NITROGEN/ BLOOD VOLUME/
CARDIAC OUTPUT/ DEHYDRATION/
DIAGNOSIS, DIFFERENTIAL/ DIURESIS/
FUROSEMIDE, therapeutic use/
GLOMERULAR FILTRATION RATE/ HUMAN/
HYPERKALEMIA, etiology/ KIDNEY CORTEX
NECROSIS, diagnosis/ KIDNEY FAILURE,
ACUTE, classification/ KIDNEY FAILURE,
ACUTE, complications/ *KIDNEY FAILURE,
ACUTE, diagnosis/ KIDNEY FAILURE,
ACUTE, physiopathology/ KIDNEY FAILURE,
ACUTE, therapy/ NEPHRONS, metabolism/
NITROGEN, urine/ REGIONAL BLOOD
FLOW/ RENIN, blood/ REVIEW/ SODIUM,
urine/ UREA, urine
3628. Thornburg JE, Moore KE: The relative importance of dopaminergic and noradrenergic neuronal systems for the stimulation of locomotor activity induced by amphetamine and other drugs.
Neuropharmacology 12:853-66, Sep 73
*AMPHETAMINE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ APPETITE, drug effects/
CARBON RADIOISOTOPES/ DIET/
DISULFIDES, pharmacodynamics/ *DOPAMINE,
physiology/ DOPAMINE BETA
HYDROXYLASE, antagonists & inhibitors/
DOSE-RESPONSE RELATIONSHIP, DRUG/
IMIDAZOLES, pharmacodynamics/ MALE/
METHYLPHENIDATE, pharmacodynamics/
METHYLTYROSINES, pharmacodynamics/
MICE/ *MOTOR ACTIVITY, drug effects/
*NEURONS, physiology/ *NOREPINEPHRINE,
physiology/ PHENMETRAZINE,
pharmacodynamics/ PIPRADROL,
pharmacodynamics/ STIMULATION,
CHEMICAL/ THIAZOLES, pharmacodynamics/
THIOUREA, pharmacodynamics/ TIME
FACTORS
3629. Thorndyke MC: An in-vivo stimulatory effect of 3,3',5-tri-iodo-L-thyronine on polyphenol oxidase activity in an ascidian. J Endocrinol 58:679-80, Sep 73
ANIMAL EXPERIMENTS/ BODY
COMPOSITION/ *DIPHENOL OXIDASES,
analysis/ OXYGEN CONSUMPTION/ TIME
FACTORS/ *TRIIODOTHYRONINE,
pharmacodynamics/ *UROCHORDATA,
enzymology
3630. Thorne RF, Bygrave FL: Energy-linked functions of tightly coupled mitochondria isolated from Ehrlich ascites tumor cells. Cancer Res 33:2562-7, Nov 73
ADENOSINE TRIPHOSPHATASE, antagonists
& inhibitors/ *ADENOSINE
TRIPHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ *CALCIUM, metabolism/
*CARCINOMA, EHRlich TUMOR, enzymology/
COMPARATIVE STUDY/ DINITROPHENOLS/
ENZYME INDUCTION/ GLYCOSIDES,
pharmacodynamics/ MAGNESIUM, metabolism/
MICE/ *MITOCHONDRIA, enzymology/
MITOCHONDRIA, metabolism/
MITOCHONDRIA, LIVER, enzymology/
MITOCHONDRIAL SWELLING/ OLIGOMYCIN,
pharmacodynamics/ PHENANTHRENES,
pharmacodynamics/ RATS/ STIMULATION,
CHEMICAL
3631. Thurley DC, McNatty KP: Factors affecting peripheral cortisol levels in unrestricted ewes.
Acta Endocrinol (Kbh) 74:331-7, Oct 73
ANIMAL EXPERIMENTS/ DOGS/
ENVIRONMENT/ ESTRUS/ FEMALE/
HUMAN/ *HYDROCORTISONE, blood/
LACTATION/ PREGNANCY/ *SHEEP/ STRESS
3632. Thurmon TF, DeFrait EB, Anderson EE: Familial camptomelic dwarfism. J Pediatr 83:841-3, Nov 73
*DWARFISM, familial & genetic/ FEMALE/
FEMUR, radiography/ HUMAN/ INFANT,
NEWBORN/ MALE/ PEDIGREE/ SPINE,
radiography/ TIBIA, radiography
3633. Thurner J: Iatrogene Pathomorphose (am Beispiel der chronischen Myelose, aseptischen Knochennekrose und Struma-Behandlung) (Referat.
Verh Dtsch Ges Kreislau fforsch 56:57-72, 1972 (Ger)
*BONE DISEASES, chemically induced/ BONE
DISEASES, pathology/ *BONE MARROW
DISEASES, chemically induced/ BONE
MARROW DISEASES, pathology/ *DRUG
THERAPY, adverse effects/ ENGLISH
ABSTRACT/ *GOITER, chemically induced/
GOITER, pathology/ HUMAN/ IATROGENIC
DISEASE/ LEUKEMIA, chemically induced/
MYELOPROLIFERATIVE DISORDERS,
chemically induced/ MYELOPROLIFERATIVE
DISORDERS, pathology/ NECROSIS
3634. Tibáld M, Györey P, Nemes J, et al: Ausgetragene Zervikalgravidität.
Geburtshilfe Frauenheilkd 33:688-90, Aug 73 (Ger)
ADULT/ CASE REPORT/ DIAGNOSIS,
DIFFERENTIAL/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ LEIOMYOMA, diagnosis/
PLACENTA DISORDERS, complications/
PLACENTA PRAEVI A, diagnosis/
PREGNANCY/ *PREGNANCY, ECTOPIC/
PREGNANCY, ECTOPIC, diagnosis/ UTERINE
NEOPLASMS, diagnosis/ UTERUS, pathology

AUTHOR SECTION

3635. Tietze HU: Desamino-D-arg8-vasopressin-diacetat (DDAVP) und Carbamazepin in der Behandlung des Diabetes insipidus.
Monatsschr Kinderheilkd 121:496-8, Jul 73 (Ger)
ACETATES, therapeutic use/ ADOLESCENCE/
ADULT/ ANIMAL EXPERIMENTS/
*CARBAMAZEPINE, therapeutic use/ CHILD/
*DIABETES INSIPIDUS, drug therapy/
GLOMERULAR FILTRATION RATE, drug
effects/ HUMAN/ MALE/ RATS/
*VASOPRESSIN, therapeutic use/ WATER
3636. Tikkanen MJ, Pulkkinen MO, Adlercreutz H: Effect of ampicillin treatment on the urinary excretion of estriol conjugates in pregnancy.
J Steroid Biochem 4:439-40, Jul 73
*AMPICILLIN, pharmacodynamics/ *ESTRIOL,
urine/ ESTROGENIC SUBSTANCES,
CONJUGATED, urine/ FEMALE/
GLUCURONATES, urine/ HUMAN/
*PREGNANCY/ SULFURIC ACIDS, urine/
TIME FACTORS
3637. Tingari MD: Observations on the fine structure of spermatozoa in the testis and excurrent ducts of the male fowl, Gallus domesticus.
J Reprod Fertil 34:255-65, Aug 73
ANIMAL EXPERIMENTS/ CELL
DIFFERENTIATION/ CELL MEMBRANE/
CELL NUCLEUS/ *CHICKENS, anatomy &
histology/ CHROMATIN/ EPIDIDYMIS/ MALE/
MICROSCOPY, ELECTRON/ MICROTUBULES/
MITOCHONDRIA/ *SPERMATOZOA, cytology/
*TESTIS, cytology/ VAS DEFERENS
3638. Titov MB, Mostluk AI: Opyt vnutrivennogo primeneniia gidrokortizona v terapii gl'peripreticheski b sostoianii u detei rannego vozrasta. Pediatriia 51:75-6, Nov 72 (Rus)
*FEVER, drug therapy/ HUMAN/
*HYDROCORTISONE, therapeutic use/
INFANT/ INFANT, NEWBORN/ INJECTIONS,
INTRAVENOUS
3639. Tjälve H, Applegren LE: Chromosomal accumulation of 3H-estradiol in dividing ovarian granulosa cells and ovarian squash preparations.
Experientia 29:1143-4, 15 Sep 73
ANIMAL EXPERIMENTS/ *CHROMOSOMES,
metabolism/ *ESTRADIOL, metabolism/
FEMALE/ IN VITRO/ MICE/ MITOSIS/
OVARY, cytology/ *OVARY, metabolism/
TRITIUM
3640. Toft AD, Hunter WM, Irvine WJ: Effect of bovine thyroid-stimulating hormone (TSH) on human plasma TSH levels in primary hypothyroidism: evidence against the "short-feedback" of TSH in man.
J Endocrinol 59:189-90, Oct 73
CATTLE/ DEPRESSION, CHEMICAL/
FEEDBACK/ HUMAN/ HYPOTHALAMUS, drug
effects/ *HYPOTHYROIDISM, blood/
INJECTIONS, INTRAMUSCULAR/
THYROTROPIN, administration & dosage/
THYROTROPIN, blood/ *THYROTROPIN,
pharmacodynamics
3641. Toivio I, Siirra U, Rapo S, et al: Transplantation of canine larynx and hypopharynx with thyroid and parathyroid glands using continuous hypothermic perfusion. Acta Otolaryngol (Stockh) 76:70-4, Jul 73
ANIMAL EXPERIMENTS/ BLOOD
TRANSFUSION/ CAROTID ARTERIES,
surgery/ DOGS/ HEPARIN, pharmacodynamics/
HYPOTHERMIA, INDUCED/ JUGULAR VEIN,
surgery/ LARYNX, blood supply/ *LARYNX,
transplantation/ PARATHYROID GLANDS,
blood supply/ *PARATHYROID GLANDS,
transplantation/ PERFUSION/ PHARYNX,
blood supply/ *PHARYNX, transplantation/
POSTOPERATIVE CARE/ THYROID GLAND,
blood supply/ *THYROID GLAND,
transplantation/ TRANSPLANTATION,
HOMOLOGOUS
3642. Toivonen I: Sisätaudit akuutin vatsan syynä.
Duodecim 89:1141-9, 1973 (Fin)
*ABDOMEN, ACUTE, etiology/
*CARDIOVASCULAR DISEASES, complications/
ENDOCRINE DISEASES, complications/
HUMAN/ INFECTION, complications/
*METABOLIC DISEASES, complications
3643. Tokarenko AI: Znachenie serotoninna i simpatiko-adrenalovoi sistemy v patogeneze gipertonicheskoi bolezni.
Vrach Delo 6:20-6, Jun 73 (Rus)
*ADRENAL GLANDS, physiopathology/
ENGLISH ABSTRACT/ HUMAN/
HYPERTENSION, blood/ *HYPERTENSION,
physiopathology/ *SEROTONIN, blood/
*SYMPATHETIC NERVOUS SYSTEM,
physiopathology
3644. Toledo-Pereyra LH, Simmons RL, Najarian JS: Comparative effects of chlorpromazine, methylprednisolone, and allopurinol during small bowel preservation. Am J Surg 126:631-4, Nov 73
ALLOPURINOL, administration & dosage/
*ALLOPURINOL, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *CHLORPROMAZINE,
pharmacodynamics/ COMPARATIVE STUDY/
DOGS/ INJECTIONS, INTRAVENOUS/
*INTESTINE, SMALL, drug effects/
INTESTINE, SMALL, transplantation/
ISCHEMIA/ METHYLPREDNISOLONE,
administration & dosage/
*METHYLPREDNISOLONE, pharmacodynamics/
PERFUSION/ *TISSUE PRESERVATION/
TISSUE SURVIVAL, drug effects/
TRANSPLANTATION, HOMOLOGOUS
3645. Tollefsen HR, Shah JP, Huvos AG: Follicular carcinoma of the thyroid. Am J Surg 126:523-8, Oct 73
ADENOCARCINOMA, mortality/
ADENOCARCINOMA, radiotherapy/
*ADENOCARCINOMA, surgery/
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ CHILD/ FEMALE/ FOLLOW-UP
STUDIES/ HUMAN/ IODINE RADIOISOTOPES,
therapeutic use/ LARYNGECTOMY/
LYMPHATIC METASTASIS/ MALE/ MIDDLE
AGE/ NEOPLASM METASTASIS/ NEOPLASM
RECURRENCE, LOCAL/ POSTOPERATIVE
COMPLICATIONS/ RADICAL NECK
DISSECTION/ SEX FACTORS/ THYROID
NEOPLASMS, mortality/ THYROID
NEOPLASMS, radiotherapy/ *THYROID
NEOPLASMS, surgery/ THYROIDECTOMY
3646. Tolloczko A, Puchalski Z, Konopiński M, et al: Dorażne zahęgi chirurgiczne przy współistnieniu nadczynności tarczycy.
Wlad Lek 26:1681-5, 15 Sep 73 (Pol)
EMERGENCIES/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ *HYPERTHYROIDISM,
complications/ NEUROLEPTOANALGESIA/
POSTOPERATIVE CARE/ POSTOPERATIVE
COMPLICATIONS, prevention & control/
PREGNANCY/ PREOPERATIVE CARE/
*SURGERY, OPERATIVE
3647. Tomaszewski J: Glikozaminoglikany tkanki łącznej. Postępy Biochem 19:447-69, 1973 (195 ref.) (Pol)
ANIMAL EXPERIMENTS/ BLOOD
COAGULATION/ CALCIFICATION,
PHYSIOLOGIC/ CATTLE/ CHEMISTRY/
COLLAGEN/ *CONNECTIVE TISSUE,
metabolism/ CONNECTIVE TISSUE,
physiology/ DISACCHARIDES/ FIBRINOLYSIS/
GUINEA PIGS/ HUMAN/ MICROSCOPY,
ELECTRON/ MOLECULAR WEIGHT/
MONOSACCHARIDES/
MUCOPOLYSACCHARIDES, isolation &
purification/ MUCOPOLYSACCHARIDES,
metabolism/ *MUCOPOLYSACCHARIDES,
physiology/ POLYSACCHARIDES/ RATS/
REVIEW/ SWINE
3648. Tomilina NA, L'vitsina GM: Pohochnye lavlenia immunodepressii posle allotransplantatsii pochki i nekotorye dannye o mekhanizme infektsionnykh oslozhenii.
Vestn Akad Med Nauk SSSR 28:64-6, 1973 (Rus)
*AZATHIOPRINE, adverse effects/
*BACTERIAL INFECTIONS, etiology/
CADAVER/ ENGLISH ABSTRACT/ HUMAN/
*IMMUNOSUPPRESSIVE AGENTS, adverse
effects/ *KIDNEY, transplantation/

AUTHOR SECTION

- *PREDNISOLONE, adverse effects/
TRANSPLANTATION, HOMOLOGOUS
649. Tommasi M, Escourolle R, Hauw JJ, et al: Anatomie pathologique des lésions de la région pinéale. Rev Otoneuroophthalmol 45:17-22, Jan-Feb 73 (Fre)
*BRAIN DISEASES, pathology/ *BRAIN NEOPLASMS, pathology/ DYSEMBRYOMA, pathology/ GLIOMA, pathology/ HUMAN/ MENINGIOMA, pathology/ *PINEAL BODY/ PINEALOMA, pathology
650. Tonge SR, Leonard BE: Some persistent effects of the pre- and neonatal administration of psychotropic drugs on noradrenaline metabolism in discrete areas of rat brain. Br J Pharmacol 48:364P-365P, Jun 73
AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ CHLORPROMAZINE, pharmacodynamics/ CORPUS STRIATUM, metabolism/ FETUS/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ IMIPRAMINE, pharmacodynamics/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ METHAMPHETAMINE, pharmacodynamics/ *NOREPINEPHRINE, metabolism/ PHENCYCLIDINE, pharmacodynamics/ PONS, metabolism/ PREGNANCY/ RATS/ THALAMUS, metabolism/ *TRANQUILIZING AGENTS, pharmacodynamics
3651. Tonkin AM: Mithramycin treatment of hypercalcaemia associated with malignancy. Med J Aust 2:326-9, 18 Aug 73
EMERGENCIES/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ *LIVER NEOPLASMS, complications/ MALE/ MIDDLE AGE/ *MITHRAMYCIN, therapeutic use/ NEOPLASM METASTASIS/ *PANCREATIC NEOPLASMS, complications
3652. Tonkov AA: Klinika i diagnostika nekotorykh form pervichnykh amenorei. Sov Med 35:149-51, Jun 72 (Rus)
ADOLESCENCE/ ADULT/ *AMENORRHEA, diagnosis/ AMENORRHEA, familial & genetic/ CHILD/ FEMALE/ HUMAN/ SEX CHROMATIN, analysis/ TURNER'S SYNDROME, diagnosis
3653. Toogood JH, McCourtie DR, Jennings BH, et al: Changes in corticosteroid usage by chronic asthma patients during a year of cromoglycate treatment. J Allergy Clin Immunol 52:334-45, Dec 73
ADOLESCENCE/ ADULT/ AGED/ *ASTHMA, drug therapy/ *DISODIUM CROMOGLYCATATE, therapeutic use/ DRUG UTILIZATION/ FEMALE/ *GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE
3654. Toppell KL, Atkinson R, Whitcomb ME: Lung growth in acromegaly. Am Rev Respir Dis 108:1254-8, Nov 73
*ACROMEGALY, physiotherapy/ ADULT/ FEMALE/ HUMAN/ *LUNG/ MALE/ MIDDLE AGE/ PULMONARY DIFFUSING CAPACITY/ *RESPIRATION/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ SPIROMETRY
3655. Toriumi J, Iijima Y: Malignant Brenner tumor—a case report. Acta Pathol Jap 23:121-8, Feb 73
*BRENNER TUMOR, pathology/ BRENNER TUMOR, surgery/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery
3656. Török O, Csaba G: Effect of cold stress on mast cell formation in tissue culture. Z Mikrosk Anat Forsch 86:465-71, 1972
ANIMAL EXPERIMENTS/ *CELL DIFFERENTIATION/ *COLD/ *GLUCOCORTICOIDS, physiology/ *LYMPH NODES, physiology/ *MAST CELLS, physiology/ RATS/ RATS, INBRED STRAINS/ RETICULOCYTES/ *SPLEEN, physiology/ STAINS AND STAINING/ *STRESS/
- *THYMUS GLAND, physiology/ TISSUE CULTURE
3657. Török T, Vizi ES, Knoll J: Különböző amfetaminok szerkezete, valamint az alapany agcsérét és hőmérsékletet fokozó hatása közötti összefüggés vizsgálata. Acta Pharm Hung 43:126-36, Jul 73 (Hun)
AMPHETAMINE, analysis/ *AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BASAL METABOLISM, drug effects/ *BODY TEMPERATURE, drug effects/ BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ *METHAMPHETAMINE, pharmacodynamics/ *OXYGEN CONSUMPTION, drug effects/ RABBITS/ RATS/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, biosynthesis/ SEROTONIN, physiology/ STRUCTURE-ACTIVITY RELATIONSHIP
3658. Torp-Pedersen C, Thorn NA: Acute effects of lithium on the action and release of antidiuretic hormone in rats. Acta Endocrinol (Kbh) 73:665-71, Aug 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DIURESIS, drug effects/ ELECTRIC CONDUCTIVITY/ FEMALE/ IN VITRO/ *LITHIUM, pharmacodynamics/ LITHIUM, urine/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, POSTERIOR, drug effects/ POTASSIUM, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS/ VASOPRESSIN, metabolism/ VASOPRESSIN, secretion
3659. Tóth F, Paál M, Németh J, et al: Histochemical studies of fibrinoid, mucopolysaccharides and chorionic gonadotrophin in the normal and pathologic human placenta. Acta Morphol Acad Sci Hung 21:89-104, 1973
ANIMAL EXPERIMENTS/ FEMALE/ *FIBRIN, analysis/ GLYCOGEN, analysis/ GLYCOPROTEINS, analysis/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ HYDATIDIFORM MOLE, metabolism/ KIDNEY, analysis/ LABOR COMPLICATIONS, metabolism/ *MUCOPOLYSACCHARIDES, analysis/ *PLACENTA, analysis/ PREGNANCY/ PREGNANCY TOXEMIAS, metabolism/ RATS/ STAINS AND STAINING
3660. Tougaard C, Kerdelhue B, Tixier-Vidal A, et al: Light and electron microscope localization of binding sites of antibodies against ovine luteinizing hormone and its two subunits in rat adenohypophysis using peroxidase-labeled antibody technique. J Cell Biol 58:503-21, Sep 73
ANIMAL EXPERIMENTS/ *BINDING SITES, ANTIBODY/ CASTRATION/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ FEMALE/ GUINEA PIGS, immunology/ HISTOCYTOCHEMISTRY/ IMMUNOLOGIC TECHNIQUES/ *LH/ MALE/ MICROSCOPY/ MICROSCOPY, ELECTRON/ OVARY, physiology/ PEROXIDASES/ PITUITARY GLAND, cytology/ PITUITARY GLAND, immunology/ RATS/ SHEEP, immunology
3661. Toupin HM: Nuchal infiltrations as an office procedure. Can Med Assoc J 109:891 passim, 3 Nov 73
*GLUCOCORTICOIDS, administration & dosage/ *HEADACHE, drug therapy/ HEADACHE, etiology/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LIDOCAINE, administration & dosage/ METHODS/ MUSCLE CONTRACTION/ NECK
3662. Tourniaire J, Pousset G: Effets de la médroxyprogestérone sur les taux plasmatiques de l'hormone somatotrope (GH) chez 14 acromégales. Ann Endocrinol (Paris) 34:222-4, Mar-Apr 73 (Fre)
*ACROMEGALY, blood/ ARGinine, blood/ FEMALE/ HUMAN/ HYPERGLYCEMIA/ MALE/ *MEDROXYPROGESTERONE, pharmacodynamics/ *SOMATOTROPIN, blood
3663. Towbin A: The respirator brain death syndrome. Hum Pathol 4:583-94, Dec 73
ADOLESCENCE/ ADULT/ AGED/ AUTOLYSIS/ AUTOPSY/ BRAIN/ BRAIN, pathology/ *BRAIN DEATH/ BRAIN EDEMA, complications/ CEREBRAL EMBOLISM AND

AUTHOR SECTION

- THROMBOSIS, complications/
CEREBROVASCULAR DISORDERS,
complications/ COMA, complications/
FEMALE/ HEART ARREST, complications/
HEART FAILURE, CONGESTIVE,
complications/ HUMAN/ INFARCTION/ MALE/
MIDDLE AGE/ MYOCARDIAL INFARCT,
complications/ ORGAN WEIGHT/ PITUITARY
DISEASES, complications/ *RESPIRATION,
ARTIFICIAL/ RESPIRATORY PARALYSIS,
complications/ THROMBOPHLEBITIS,
complications/ TIME FACTORS
3664. Toyama PM, Nishizawa M: The traditional oriental
medicine and acupuncture therapy.
J Miss State Med Assoc 14:488-95, Nov 73 (101 ref.)
*ACUPUNCTURE/ ADRENAL CORTEX
HORMONES, biosynthesis/ ADRENAL
GLANDS, metabolism/ ANESTHESIA/ ANIMAL
EXPERIMENTS/ AUTONOMIC NERVOUS
SYSTEM, physiology/ BRAIN, physiology/
CHINA/ COMPARATIVE STUDY/
CORTICOTROPIN, biosynthesis/ EMOTIONS/
HOMEOSTASIS/ HUMAN/ *MEDICINE,
ORIENTAL/ METHODS/ PHILOSOPHY,
MEDICAL/ PYELONEPHRITIS, etiology/
RENIN, biosynthesis/ REVIEW/ SKIN,
physiology/ STRESS, metabolism
3665. Tragl KH, Angeberger P, Imhof H, et al:
Nebennierenzintigraphie mit
131Jod-19-Jod-Cholesterin.
Wien Klin Wochenschr 85:806-9, 7 Dec 73 (Ger)
ADENOMA, diagnosis/ ADRENAL GLAND
NEOPLASMS, diagnosis/ *ADRENAL GLANDS/
ADRENAL GLANDS, metabolism/
CHOLESTEROL, diagnostic use/
CHOLESTEROL, metabolism/
CORTICOTROPIN, administration & dosage/
ENGLISH ABSTRACT/ HUMAN/ IODINE,
diagnostic use/ IODINE RADIOISOTOPES/
METHODS/ *RADIOISOTOPE SCANNING/
TIME FACTORS
3666. Traissac L, Deville C: A propos d'un cas de tuberculose
ganglionnaire cervicale.
Rev Laryngol Otol Rhinol (Bord) 94:261-7, May-Jun 73
(Fre)
ADULT/ DIAGNOSIS, DIFFERENTIAL/
ENGLISH ABSTRACT/ HUMAN/
LYMPHADENITIS, diagnosis/ MALE/ NECK/
SPEECH DISORDERS, etiology/ THYROID
NEOPLASMS, diagnosis/ THYROIDITIS,
LYMPHOMATOUS, diagnosis/ TUBERCULOSIS,
LYMPH NODE, complications/
*TUBERCULOSIS, LYMPH NODE, diagnosis/
VOCAL CORD PARALYSIS, etiology
3667. Trams EG: A rapid fluorometric assay for 2',3'-cyclic
adenosine monophosphate 3'-phosphoesterhydrolase.
J Neurochem 21:995-7, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ *BRAIN, enzymology/ CELLS,
CULTURED/ CHROMATOGRAPHY, THIN
LAYER/ EELS/ ELECTRIC ORGAN, cytology/
*ELECTRIC ORGAN, enzymology/ HAMSTERS/
KINETICS/ METHODS/ MICE/ MICROSOMES,
enzymology/ *NEUROBLASTOMA, enzymology/
*NEUROGLIA, enzymology/
*PHOSPHODIESTERASES, analysis/ RATS/
SPECTROMETRY, FLUORESCENCE
3668. Trams G, Brewitt H, Möllmann H, et al: Effect of
progesterone on RNA and protein synthesis in the rat
uterus. Acta Endocrinol (Kbh) 73:740-50, Aug 73
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CASTRATION/
DEPRESSION, CHEMICAL/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *ESTRADIOL,
pharmacodynamics/ FEMALE/
HYDROXYPROGESTERONE,
pharmacodynamics/ PREGNANEDIOL,
pharmacodynamics/ PROGESTERONE,
administration & dosage/ *PROGESTERONE,
pharmacodynamics/ *PROTEINS, biosynthesis/
RATS/ *RNA, biosynthesis/ STIMULATION,
CHEMICAL/ TIME FACTORS/ TRITIUM/
URIDINE, metabolism/ UTERUS, drug effects/
*UTERUS, metabolism/ VALINE, metabolism
3669. Tregear GW, Van Rietschoten J, Greene E, et al: Bovine
parathyroid hormone: minimum chain length of
synthetic peptide required for biological activity.
Endocrinology 93:1349-53, Dec 73
ADENYL CYCLASE, metabolism/ AMINO
ACID SEQUENCE/ BIOLOGICAL ASSAY/
CALCIUM, blood/ CATTLE/ CHICKENS/
COMPARATIVE STUDY/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ IN VITRO/ KIDNEY,
enzymology/ *PARATHYROID HORMONE,
analysis/ PARATHYROID HORMONE,
pharmacodynamics/ PEPTIDES,
chem synthesis/ *PEPTIDES,
pharmacodynamics/ RATS
3670. Trentini GP, De Gaetani CF, Palmieri FB: The rôle of
sympathetic innervation in pineal-pituitary feedback.
Blocking of pineal changes induced in the rat by
experimental hypergonadotropinaemia by chronic
treatment with bretylium or guanethidine.
Ann Endocrinol (Paris) 34:261-70, May-Jun 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
*BRETYLIUM COMPOUNDS,
pharmacodynamics/ CASTRATION/ FEMALE/
FSH, pharmacodynamics/ *GONADOTROPINS,
blood/ GONADOTROPINS, pharmacodynamics/
*GUANETHIDINE, pharmacodynamics/ NERVE
ENDINGS, physiology/ NOREPINEPHRINE,
secretion/ ORGAN WEIGHT/ OVARY/
PINEAL BODY, cytology/ PINEAL BODY,
drug effects/ PITUITARY GLAND, physiology/
RATS/ SYMPATHETIC NERVOUS SYSTEM,
physiology
3671. Trigg MJ, Gluecksohn-Waelsch S: Ultrastructural basis
of biochemical effects in a series of lethal alleles in
the mouse. Neonatal and developmental studies.
J Cell Biol 58:549-63, Sep 73
ADRENAL GLANDS, pathology/ *ALBINISM,
pathology/ ALLELES/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/ CELL
MEMBRANE/ ENDOPLASMIC RETICULUM/
FEMALE/ *GENES, LETHAL/ *GENES,
REGULATOR/ GESTATIONAL AGE/ GOLGI
APPARATUS/ HOMOZYGOTE/ INTESTINES,
pathology/ *KIDNEY, pathology/ LIVER,
embryology/ *LIVER, pathology/ MICE/
*MICROSCOPY, ELECTRON/ MUTATION/
PANCREAS, pathology/ PREGNANCY/
THYMUS GLAND, pathology
3672. Triggs SM, Williams ED: Factors affecting incidence of
calcitonin-producing tumours in the rat.
J Pathol 110:p8, Jul 73
ANIMAL EXPERIMENTS/ *CALCITONIN,
biosynthesis/ CALCIUM, DIETARY/
NEOPLASMS, EXPERIMENTAL/ RATS/
*THYROID NEOPLASMS, occurrence
3673. Trofimova GA, Kirillov OI: Izmeneniia v kore
nadpochechnikov krysi pri formirovanií uslovnnykh
refleksov, differentsirovki i peredelke uslovnnykh
refleksov. Fiziol Zh SSSR 59:957-9, Jun 73 (Rus)
*ADRENAL GLANDS, physiology/ ANIMAL
EXPERIMENTS/ *CONDITIONING,
CLASSICAL/ *DISCRIMINATION LEARNING/
FEMALE/ RATS
3674. Trofimova LIA, Nikitina MM, Makovoz VI, et al:
Tselestoderm v terapii nekotorykh kozhnykh
zabolevanií.
Vestn Dermatol Venerol 47:74-7, May 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ ANIMAL
EXPERIMENTS/ BETAMETHASONE, adverse
effects/ *BETAMETHASONE, therapeutic use/
CHILD/ CHILD, PRESCHOOL/ CHRONIC
DISEASE/ ENGLISH ABSTRACT/ FEMALE/
GUINEA PIGS/ HUMAN/ INFANT/ INFANT,
NEWBORN/ MALE/ MIDDLE AGE/
OINTMENTS/ SKIN DISEASES, drug therapy/
VALERATES, therapeutic use
3675. Troncone L, Martino F, Barbarino A, et al: HGH
radioimmunoassay. Glucagon and L-dopa stimulation
tests. J Nucl Biol Med 17:84-91, Apr-Jun 73
ACROMEGALY, blood/ ADULT/ BREAST
NEOPLASMS, blood/ *DOPA, diagnostic use/
DWARFISM, blood/ FEMALE/ *GLUCAGON,
diagnostic use/ HUMAN/ HYPERTHYROIDISM,
blood/ HYPOTHYROIDISM, blood/ MALE/

AUTHOR SECTION

- MIDDLE AGE/ OBESITY, blood/ PITUITARY NEOPLASMS, blood/ *RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TURNER'S SYNDROME, blood/ UTERINE NEOPLASMS, blood
3676. Trotnow S, Krönert E, Grumeth M: Doppelradionuklid-Szintigraphie zur Plazentalokalisation. Arch Gynaekol 215:110-22, 25 May 73 (Ger) ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INDIUM, diagnostic use/ *PLACENTA DISORDERS, diagnosis/ PLACENTA PRAEVI, diagnosis/ PREGNANCY/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES, diagnostic use/ TECHNETIUM, diagnostic use
3677. Trotter M: Percentage asb weight of young human skeletons. Growth 37:153-63, Jun 73 ADOLESCENCE/ ADULT/ AGE FACTORS/ *BONE AND BONES, analysis/ *CALCIUM PHOSPHATES, analysis/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ FOOT/ HAND/ HUMAN/ INFANT/ INFANT, NEWBORN/ LEG/ MANDIBLE/ RACIAL STOCKS/ REGRESSION ANALYSIS/ SACRUM/ SEX FACTORS/ *SKELETON/ SKULL/ STERNUM
3678. Trueheart PA, Herrera MG, Jungas RL: Similar and opposite effects of dibutyl cyclic AMP and insulin on glucose metabolism in adipose tissue. Biochim Biophys Acta 313:310-9, 28 Jul 73 ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CARBON DIOXIDE, metabolism/ CARBON RADIOISOTOPES/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPIDIDYMIS/ FASTING/ FATTY ACIDS, biosynthesis/ FATTY ACIDS, metabolism/ *GLUCOSE, metabolism/ GLYCERIDES, biosynthesis/ GLYCERIDES, metabolism/ GLYCERIN, biosynthesis/ GLYCERIN, metabolism/ *INSULIN, pharmacodynamics/ LIPID MOBILIZATION, drug effects/ MALE/ RATS/ TIME FACTORS/ TRITIUM
3679. Trulson M, Randall W: 5-Hydroxytryptamine metabolism, superior colliculus, and grooming behavior in cats with pontile lesions. J Comp Physiol Psychol 85:1-10, Oct 73 ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CATS/ COMPARATIVE STUDY/ CONSUMMATORY BEHAVIOR, drug effects/ DOPA, pharmacodynamics/ *GROOMING/ HYDROXYTRYPTOPHAN, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAPERITONEAL/ LIMBIC SYSTEM, physiology/ MALE/ MAMMALS, physiology/ MONKEYS/ NEURAL INTERCONNECTIONS, physiology/ NEURONS, metabolism/ *PONS, pathology/ *PONS, physiology/ REPTILES, physiology/ SEROTONIN, administration & dosage/ *SEROTONIN, metabolism/ SUPERIOR COLLICULUS, drug effects/ SUPERIOR COLLICULUS, enzymology/ *SUPERIOR COLLICULUS, metabolism/ SUPERIOR COLLICULUS, physiology/ TRYPTOPHAN, administration & dosage/ TRYPTOPHAN, pharmacodynamics/ TRYPTOPHAN HYDROXYLASE, metabolism
3680. Truong H, Geynet C, Millet C, et al: Purification of estradiol receptor by affinity chromatography. Representative experiments. FEBS Lett 35:289-94, 15 Sep 73 ACRYLAMIDES/ ANIMAL EXPERIMENTS/ BINDING SITES/ CALCIUM/ CARBON RADIOISOTOPES/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, AFFINITY/ CYTOSOL, analysis/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ GEL FILTRATION/ ISOELECTRIC FOCUSING/ POLYSACCHARIDES/ *PROTEINS, isolation & purification/ *RECEPTORS, HORMONE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM/ UTERUS, analysis/ UTERUS, cytology/ UTERUS, metabolism
3681. Trzeciak WH, Boyd GS: The effect of stress induced by ether anaesthesia on cholesterol content and cholesteryl-esterase activity in rat-adrenal cortex. Eur J Biochem 37:327-33, 17 Aug 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ ANESTHESIA, INHALATION/ ANIMAL EXPERIMENTS/ *CHOLESTEROL, metabolism/ CORTICOTROPIN, blood/ CYCLOHEXIMIDE, pharmacodynamics/ *ESTERASES, metabolism/ ETHYL ETHERS/ FEMALE/ *PHOSPHOTRANSFERASES, metabolism/ RATS/ STRESS/ THEOPHYLLINE, pharmacodynamics
3682. Tsafirli A, Lieberman ME, Barnea A, et al: Induction by luteinizing hormone of ovum maturation and of steroidogenesis in isolated Graafian follicles of the rat: role of RNA and protein synthesis. Endocrinology 93:1378-86, Dec 73 ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ *GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, metabolism/ IN VITRO/ LEUCINE, metabolism/ *LH, pharmacodynamics/ MEIOSIS, drug effects/ *OVUM, drug effects/ PROGESTERONE, biosynthesis/ PROGESTERONE, metabolism/ *PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ *RNA, biosynthesis/ TRITIUM/ URIDINE, metabolism
3683. Tsang D, Johnstone RM: Transport of anions in stored bovine adrenal cortical mitochondria. Biochim Biophys Acta 318:217-24, 22 Aug 73 ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CARBON RADIOISOTOPES/ CARBOXYLIC ACIDS, metabolism/ CATTLE/ *CITRATES, metabolism/ COMPARATIVE STUDY/ DIMETHYL SULFOXIDE/ MALATES, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIAL SWELLING, drug effects/ OXYGEN CONSUMPTION/ POLAROGRAPHY/ RATS/ SERUM ALBUMIN, BOVINE/ *SUCCINATES, metabolism/ SUCROSE/ TIME FACTORS/ TRITIUM
3684. Tsang RC, Chen IW, Friedman MA, et al: Neonatal parathyroid function: role of gestational age and postnatal age. J Pediatr 83:728-38, Nov 73 ADULT/ AGE FACTORS/ BLOOD/ BLOOD VOLUME/ CALCIUM, blood/ CATTLE/ CHICKENS/ EXCHANGE TRANSFUSION/ FEMALE/ *GESTATIONAL AGE/ HUMAN/ HYPERBILIRUBINEMIA, therapy/ HYPOCALCEMIA, physiotherapy/ INFANT, NEWBORN/ INFANT, PREMATURE/ *INFANT, PREMATURE, DISEASES, physiotherapy/ IODINE RADIOISOTOPES/ IONS, blood/ MAGNESIUM, blood/ MALE/ *PARATHYROID GLANDS, physiotherapy/ PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ TIME FACTORS/ UMBILICAL CORD
3685. Tsang WN, Collins PM, Lacy D: Steroid metabolism by the seminiferous tubules in vitro and spermatogenesis in the developing rat. J Reprod Fertil 34:513-7, Sep 73 ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON ISOTOPES/ HYDROXYPROGESTERONE, metabolism/ IN VITRO/ MALE/ PREGNANES, metabolism/ PROGESTERONE, metabolism/ RATS/ *SEX HORMONES, metabolism/ *SPERMATOGENESIS/ TESTIS, growth &

AUTHOR SECTION

- development/ *TESTIS, metabolism/
TESTOSTERONE, biosynthesis
3686. Tsang WN, Lacy D, Collins PM: Leydig cell differentiation, steroid metabolism by the interstitium in vitro and the growth of the accessory sex organs in the rat. *J Reprod Fertil* 34:351-5, Aug 73
ANDROSTENEDIONE, metabolism/
ANDROSTERONE, metabolism/ ANIMAL
EXPERIMENTS/ CARBON ISOTOPES/ *CELL
DIFFERENTIATION/ EPIDIDYMIS, growth &
development/ *GENITALIA, MALE, growth &
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HYDROXYPROGESTERONE, metabolism/ IN
VITRO/ *LEYDIG CELLS/ MALE/ ORGAN
WEIGHT/ PROSTATE, growth & development/
RATS/ SEMINAL VESICLES, anatomy &
histology/ SEMINAL VESICLES, growth &
development/ *STEROIDS, metabolism/
TESTOSTERONE, metabolism
3687. Tsien RW: Adrenaline-like effects of intracellular iontophoresis of cyclic AMP in cardiac Purkinje fibres. *Nature [New Biol]* 245:120-2, 26 Sep 73
*ACTION POTENTIALS, drug effects/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
administration & dosage/ *ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
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ANIMAL EXPERIMENTS/ CATTLE/
DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ *HEART CONDUCTION
SYSTEM, drug effects/ IN VITRO/
IONTOPHORESIS/ STIMULATION, CHEMICAL
3688. Tsong YY, Kolde SS: Isolation and characterization of cortisol metabolites from liver of adrenalectomized rats. *J Steroid Biochem* 4:239-48, May 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/
CHROMATOGRAPHY, PAPER/
CRYSTALLIZATION/ DEUTERIUM/
ELECTROPHORESIS, PAPER/ FEMALE/
GLUCURONIDASE/ *HYDROCORTISONE,
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metabolism/ NUCLEAR MAGNETIC
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PREGNANES, biosynthesis/ RATS/ SNAILS,
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INFRARED/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ SULFATASES/ SULFURIC
ACIDS, analysis/ SULFURIC ACIDS,
biosynthesis
3689. Tsuchida Y, Saito S, Ishida M, et al: Yolk sac tumor (endodermal sinus tumor) and alpha-fetoprotein. A report of three cases. *Cancer* 32:917-21, Oct 73
CHILD, PRESCHOOL/ FEMALE/ *FETAL
GLOBULINS, analysis/ GEL DIFFUSION
TESTS/ HUMAN/ INFANT/ MALE/ *PELVIC
NEOPLASMS, blood/ PELVIC NEOPLASMS,
pathology/ *TERATOID TUMOR, blood/
TERATOID TUMOR, pathology/ *TESTICULAR
NEOPLASMS, blood/ TESTICULAR
NEOPLASMS, pathology
3690. Tsuji K, Sasaki M: Absence of Y-body in the cervical mucus of pregnant women. *Nature* 243:539, 29 Jun 73
*CERVIX MUCUS, cytology/ FEMALE/
HUMAN/ KARYOTYPING/ *PREGNANCY/
SEX CHROMATIN/ SEX DETERMINATION
3691. Tsvetkov T: Metodika na modifikatsiran metod na brain za izsledvane na estriol v urinata i nefnoto prilozhenie v akusherstvoto. *Akush Ginekoi (Sofia)* 12:197-201, 1973 (Bul)
ABORTION, THREATENED, diagnosis/
ENGLISH ABSTRACT/ ESTRIOL, secretion/
*ESTRIOL, urine/ FEMALE/ GESTATIONAL
AGE/ HUMAN/ PREGNANCY/ *PREGNANCY
TESTS
3692. Tucci JR, Lin T, Kopp L: Urinary cyclic 3',5'-adenosine monophosphate levels in diabetes mellitus before and after treatment. *J Clin Endocrinol Metab* 37:832-5, Nov 73
*ADENOSINE CYCLIC 3',5'
- MONOPHOSPHATE, urine/ ADULT/ AGED/
BLOOD SUGAR, metabolism/ CREATININE,
urine/ DIABETES MELLITUS, drug therapy/
*DIABETES MELLITUS, urine/ FEMALE/
HUMAN/ INSULIN, therapeutic use/ MIDDLE
AGE/ TRITIUM
3693. Tucci JR, Záh W, Kalderon AE: Endocrine studies in a arrhenoblastoma responsive to dexamethasone, ACTH and human chorionic gonadotropin. *Am J Med* 55:687-94, Nov 73
ADRENAL GLANDS, drug effects/ ADULT/
ANDROSTERONE, blood/
*ARRHENOBLASTOMA, physiotherapy/
ARRHENOBLASTOMA, surgery/ CASE
REPORT/ *CORTICOTROPIN,
pharmacodynamics/ *DEXAMETHASONE,
pharmacodynamics/ ETIOCHOLANOLONE,
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17-KETOSTEROIDS, urine/ *NEOPLASTIC
ENDOCRINE-LIKE SYNDROMES/ *OVARIAN
NEOPLASMS, physiotherapy/ OVARIAN
NEOPLASMS, surgery/ OVARY, drug effects/
TESTOSTERONE, blood/ *TESTOSTERONE,
secretion/ VIRILISM, etiology
3694. Tuck ML, Williams GH, Cain JP, et al: Relation of age diastolic pressure and known duration of hypertension to presence of low renin essential hypertension. *Am J Cardiol* 32:637-42, Oct 73
ADMINISTRATION, ORAL/ ADULT/ AGE
FACTORS/ AGED/ *AGING/ ALDOSTERONE,
secretion/ *BLOOD PRESSURE, drug effects/
CLINICAL RESEARCH/ DIET, SALT-FREE/
FEMALE/ HUMAN/ HYPERTENSION,
enzymology/ MALE/ MIDDLE AGE/
POSTURE/ POTASSIUM, pharmacodynamics/
POTASSIUM, urine/ *RENIN, metabolism/
SODIUM, pharmacodynamics/ SODIUM, urine/
TIME FACTORS
3695. Tucker A, Horvath SM: Relationship between organ weight and blood flow in rats adapted to simulated high altitude. *Aerosp Med* 44:1036-9, Sep 73
*ACCLIMATIZATION/ ADRENAL GLANDS,
blood supply/ ADRENAL GLANDS, physiology/
*ALTITUDE/ ANIMAL EXPERIMENTS/
CESIUM ISOTOPES/ HEART VENTRICLE,
blood supply/ HEART VENTRICLE,
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physiology/ LUNG, blood supply/ LUNG,
physiology/ MALE/ *ORGAN WEIGHT/
RADIOISOTOPES/ RATS/ *REGIONAL BLOOD
FLOW/ SPLEEN, blood supply/ SPLEEN,
physiology
3696. Tuerck DG, Bilas RA, Comer TP: Letter: Oral contraceptives and risks of thromboembolism. *N Engl J Med* 289:1423-4, 27 Dec 73
CEREBRAL EMBOLISM AND THROMBOSIS,
chemically induced/ *CEREBROVASCULAR
DISORDERS, chemically induced/
*CONTRACEPTIVES, ORAL, adverse effects/
FEMALE/ HUMAN/ MATHEMATICS/
PROBABILITY/ STATISTICS/
*THROMBOEMBOLISM, chemically induced
3697. Tuichinsky D, Chopra IJ: Competitive ligand-binding assay for measurement of sex hormone-binding globulin (SHBG). *J Clin Endocrinol Metab* 37:873-81, Dec 73
ADULT/ AGED/ *BINDING, COMPETITIVE/
ESTRADIOL, blood/ FEMALE/ HIRsutISM,
blood/ HUMAN/ HYPERTHYROIDISM, blood/
INFANT, NEWBORN/ LIVER CIRRHOSIS,
blood/ MALE/ MENOPAUSE/ METHODS/
MIDDLE AGE/ PREGNANCY/ *SERUM
GLOBULINS, analysis/ STANOLONE, blood/
THYROXINE, blood/ TRIIODOTHYRONINE,
blood/ TRITIUM
3698. Tuohimaa P, Oksanen A, Niemelä M: Effects of testosterone and 5 alpha-dihydrotestosterone on weight gain and 3H-thymidine incorporation in accessory sex glands of castrated male rats. *Acta Endocrinol (Kbh)* 74:379-88, Oct 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ CASTRATION/
COMPARATIVE STUDY/ EPIDIDYMIS, drug

AUTHOR SECTION

- effects/ GENITALIA, MALE, drug effects/
*GENITALIA, MALE, metabolism/ MALE/
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PROSTATE, drug effects/ RATS/ SEMINAL
VESICLES, drug effects/ *STANOLONE,
pharmacodynamics/ *TESTOSTERONE,
pharmacodynamics/ *THYMIDINE, metabolism/
TIME FACTORS/ TRITIUM
899. Turcu E, Urseanu I: Coagularea intrapulmonară difuză, cauză rară de deces în pleurezia acută tuberculoasă. Ftiziologia 22:539-44, Sep-Oct 73 (Rum)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTITUBERCULAR AGENTS, therapeutic use/ *BLOOD COAGULATION DISORDERS, etiology/ BLOOD COAGULATION DISORDERS, prevention & control/ *DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ ENGLISH ABSTRACT/ HEPARIN, administration & dosage/ HUMAN/ MALE/ PULMONARY EMBOLISM, prevention & control/ *TUBERCULOSIS, PLEURAL, complications/ TUBERCULOSIS, PLEURAL, drug therapy/ VENTRICULAR FIBRILLATION, etiology
700. Turkington RW, Majumder GC, Kadoama N, et al: Hormonal regulation of gene expression in mammary cells. Recent Prog Horm Res 29:417-55, 1973 (70 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CASEIN, biosynthesis/ CELL DIFFERENTIATION/ CELL DIVISION/ CHROMATIN, metabolism/ DNA, biosynthesis/ ENZYME INDUCTION/ FEMALE/ INSULIN, pharmacodynamics/ LACTATION/ MAMMAE, drug effects/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MICE/ MILK PROTEINS, biosynthesis/ MITOSIS, drug effects/ MODELS, BIOLOGICAL/ NUCLEOPROTEINS, biosynthesis/ PREGNANCY/ PROLACTIN, pharmacodynamics/ PROTEIN BINDING/ PROTEIN KINASE, biosynthesis/ RECEPTORS, DRUG/ REVIEW/ TRANSCRIPTION, GENETIC
701. Turksoy RN: Induction of ovulation with the use of human menopausal gonadotropins in anovulatory infertile women.
Semin Drug Treat 3:177-88, Autumn 73
ADOLESCENCE/ ADULT/ AMENORRHEA, drug therapy/ CAPILLARY PERMEABILITY, drug effects/ CHIARI-FROMMEL SYNDROME, drug therapy/ FEMALE/ FSH, therapeutic use/ GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ MENOTROPINS, adverse effects/ *MENOTROPINS, pharmacodynamics/ OVARIAN DISEASES, drug therapy/ *OVULATION, drug effects/ SHEEHAN'S SYNDROME, drug therapy/ STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL
702. Turner RS, Burger MM: Involvement of a carbohydrate group in the active site for surface guided reassociation of animal cells.
Nature 244:509-10, 24 Aug 73
BINDING SITES/ CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ *CELL AGGREGATION/ CELL AGGREGATION, drug effects/ CELL MEMBRANE, metabolism/ GLUCOSIDASE/ GLUCURONATES, pharmacodynamics/ *GLYCOPROTEINS, metabolism/ *HEXOSES, pharmacodynamics/ *PORIFERA/ PROTEIN BINDING/ SNAILS, enzymology/ SPECIES SPECIFICITY/ *SUGAR ACIDS, pharmacodynamics
703. Turner WB: Secondary metabolism with special reference to Actinomycetales.
Soc Appl Bacteriol Symp Ser 2:209-17, Jan 73 (15 ref.)
ACETATES, metabolism/ *ACTINOMYCETALES, metabolism/ ANTIBIOTICS, biosynthesis/ CHEMISTRY/ CHLORAMPHENICOL, biosynthesis/ ERYTHROMYCIN, biosynthesis/ GLUCOSE, metabolism/ GLYCOSIDES, biosynthesis/ NOVOBIOCIN, biosynthesis/ NUCLEOSIDES, biosynthesis/ REVIEW/ SHIKIMIC ACID, biosynthesis/ STEROIDS, biosynthesis/
- STREPTOMYCIN, biosynthesis/ TERPENES, biosynthesis/ TETRACYCLINE, biosynthesis
3704. Turpen C, Arimura A, Dunn J, et al: Effect of hypothalamic extract on serum prolactin levels 24 hr following forebrain removal.
Proc Soc Exp Biol Med 144:651-3, Nov 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ *HYPOTHALAMUS/ MALE/ *PROLACTIN, blood/ RATS/ TIME FACTORS/ TISSUE EXTRACTS, isolation & purification/ *TISSUE EXTRACTS, pharmacodynamics
3705. Tuter G, Newman RL: Placental localization and diagnosis of antenatal hemorrhage by ultrasonography. Obstet Gynecol 42:684-8, Nov 73
AMNIOCENTESIS/ CESAREAN SECTION/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ METHODS/ *PLACENTA/ PLACENTA PRAEVI, diagnosis/ PREGNANCY/ TIME FACTORS/ *ULTRASONICS, diagnostic use/ *UTERINE HEMORRHAGE, diagnosis/ UTERINE HEMORRHAGE, etiology/ UTERINE HEMORRHAGE, prevention & control/ VAGINA
3706. Tutton PJ: Proliferation of epithelial cells in the jejunal crypts of adrenalectomized and adrenocortical hormone treated rats.
Virchows Arch [Zellpathol] 13:227-32, 22 Jul 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CELL DIVISION/ EPITHELIAL CELLS/ JEJUNUM, drug effects/ *JEJUNUM, pathology/ MALE/ MITOSIS/ PREDNISOLONE, pharmacodynamics/ RATS
3707. Twarog BM, Cole RA: Erratum: Relaxation of catch in a molluscan smooth muscle. II. Effects of serotonin, dopamine and related compounds.
Comp Biochem Physiol [A] 46:831-5, 1 Dec 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES, pharmacodynamics/ COMPARATIVE STUDY/ *DOPAMINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ MUSSELS/ *SEROTONIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP
- U
3708. Ueda T, Maeno H, Greengard P: Regulation of endogenous phosphorylation of specific proteins in synaptic membrane fractions from rat brain by adenosine 3':5'-monophosphate.
J Biol Chem 248:8295-305, 10 Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, administration & dosage/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BRAIN, metabolism/ CATIONS, DIVALENT, pharmacodynamics/ DENSITOMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS, metabolism/ NEURAL TRANSMISSION/ PHOSPHOPROTEINS, metabolism/ PHOSPHORIC ACIDS, metabolism/ PHOSPHORUS RADIOISOTOPES/ *PROTEIN KINASE, metabolism/ RATS/ SERINE, metabolism/ SODIUM DODECYL SULFATE/ SYNAPTIC MEMBRANES, drug effects/ *SYNAPTIC MEMBRANES, metabolism
3709. Uehleke H, Hellmer KH, Tabarelli-Poplawski S: Metabolic activation of halothane and its covalent binding to liver endoplasmic proteins in vitro. Naunyn Schmiedeberg's Arch Pharmacol 279:39-52, 24 Aug 73
ANAEROBIOSIS/ ANIMAL EXPERIMENTS/ CARBON MONOXIDE, pharmacodynamics/ CARBON RADIOISOTOPES/ CARBON TETRACHLORIDE, metabolism/ CARBON TETRACHLORIDE, pharmacodynamics/

AUTHOR SECTION

- COMPARATIVE STUDY/ CYTOCHROME P-450, metabolism/ GLUTATHIONE, pharmacodynamics/ *HALOTHANE, metabolism/ IN VITRO/ KIDNEY, cytology/ LUNG, cytology/ METYRAPONE, pharmacodynamics/ MICROSOMES, metabolism/ MICROSOMES, LIVER, analysis/ *MICROSOMES, LIVER, metabolism/ NADP/ OXIDATION-REDUCTION/ OXYGEN, pharmacodynamics/ PROADIFEN, pharmacodynamics/ *PROTEIN BINDING/ PROTEIN BINDING, drug effects/ RABBITS/ SPECTROPHOTOMETRY/ SULFITES
3710. Uel Y, Koketsu H, Konda C, et al: Cytodiagnosis of HCG-secreting choriocarcinoma of the stomach. Report of a case. Acta Cytol (Baltimore) 17:431-4, Sep-Oct 73
CASE REPORT/ *CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, pathology/ CYTODIAGNOSIS/ *GONADOTROPINS, CHORIONIC, secretion/ GYNECOMASTIA, etiology/ HORMONES, ECTOPIC/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, pathology/ *STOMACH NEOPLASMS, diagnosis/ STOMACH NEOPLASMS, pathology
3711. Ugriumov VM, Raevskii VP, Asadov GA: Krovopoteria pri udalenii opukholei golovnogo mozga. (Rus) Vopr Neirokhir 36:3-7, Sep-Oct 72
ADOLESCENCE/ ADULT/ AGED/ ANESTHESIA, GENERAL, adverse effects/ *ASTROCYTOMA, surgery/ *BLOOD VOLUME/ *BRAIN NEOPLASMS, surgery/ *CEREBELLAR NEOPLASMS, surgery/ CEREBRAL HEMORRHAGE, etiology/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ GLIOBLASTOMA MULTIFORME, surgery/ *GLIOMA, surgery/ HUMAN/ *MENINGIOMA, surgery/ MIDDLE AGE/ *PITUITARY NEOPLASMS, surgery/ SHOCK, HEMORRHAGIC, etiology
3712. Ullnski PS, Kanarek DA: Cytoarchitecture of nucleus sphericus in the common boa, Constrictor constrictor. J Comp Neurol 151:159-74, 15 Sep 73
AMYGDALOID BODY, anatomy & histology/ ANIMAL EXPERIMENTS/ AXONS/ *BRAIN, anatomy & histology/ DENDRITES/ MICROSCOPY, ELECTRON/ NEURONS/ *SNAKES, anatomy & histology
3713. Uller RP, Van Herle AJ, Chopra LJ: Comparison of alterations in circulating thyroglobulin, triiodothyronine and thyroxine in response to exogenous (bovine) and endogenous (human) thyrotropin. J Clin Endocrinol Metab 37:741-5, Nov 73
ADENOMA, blood/ ADOLESCENCE/ ADULT/ CATTLE/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ HYPOTHYROIDISM, blood/ MALE/ *THYROGLOBULIN, blood/ THYROID NEOPLASMS, blood/ *THYROTROPIN, pharmacodynamics/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood
3714. Umminger BL: Death induced by injection stress in cold-acclimated goldfish, Carassius auratus. Comp Biochem Physiol [A] 45:883-7, 1 Jul 73
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ CHLORIDES, blood/ COLD/ *CYPRINIDAE, metabolism/ *INJECTIONS, INTRAPERITONEAL, adverse effects/ PROLACTIN/ PROLACTIN, administration & dosage/ SODIUM, blood/ SODIUM CHLORIDE/ SODIUM CHLORIDE, administration & dosage/ *STRESS/ TEMPERATURE/ TIME FACTORS
3715. Underhill R: Primary amenorrhea. Nurs Mirror 137:28-9, 17 Aug 73
AMENORRHEA, etiology/ GENITALIA, FEMALE, abnormalities/ SPECIAL LIST NURSING/ TESTICULAR FEMINIZATION, complications/ TURNER'S SYNDROME, complications/ VIRILISM, complications
3716. Ungar F, Gunville R, Seabloom RW: 11-dehydrocorticosterone (compd. A) formation by the Microtus adrenal. Steroids 22:503-14, Oct 73
*ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ *CORTICOSTERONE, biosynthesis/ CRYSTALLIZATION/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GLUCOSEPHOSPHATES, metabolism/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ HYDROXYSTEROIDS, biosynthesis/ IN VITRO KETOSTEROIDS, biosynthesis/ MALE/ NADP, metabolism/ PREGNANEDIONES, biosynthesis/ PREGNENES, biosynthesis/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ *RODENTS/ TRITIUM
3717. Uriel J, Rubio N, Aussel C, et al: A radioautographic method for the localization of steroid ligands and receptors by cell affinity labelling. Exp Cell Res 80:449-53, Aug 73
ANIMAL EXPERIMENTS/ *AUTORADIOGRAPHY/ *ESTROGENS, metabolism/ *FETAL GLOBULINS, metabolism/ LIGANDS/ LIVER, embryology/ *LIVER, metabolism/ *RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE/ TRITIUM/ *UTERUS, physiology
3718. Uriu SA, Reinecke RD: Temporal arteritis, steroid therapy, and pulmonary emboli. Arch Ophthalmol 90:355-7, Nov 73
AGED/ FEMALE/ HUMAN/ MALE/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ *PULMONARY EMBOLISM, chemically induced/ *TEMPORAL ARTERITIS, drug therapy
3719. Usategui-Gomez M, Tarbuton P, Yeager F: A colorimetric assay for oxytocinase in pregnancy serum. Clin Chim Acta 47:409-15, 14 Sep 73
*AMINOPEPTIDASES, blood/ ANILIDES/ AZO COMPOUNDS/ COLORIMETRY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ METHODS/ OXYTOCINASE, blood/ OXYTOCINASE, metabolism/ PREGNANCY/ *PREGNANCY/ TIME FACTORS
3720. Usategui-Gomez M, Yeager FM, Fernandez de Castro A: The use of polymerized antisera for the determination of human placental alkaline phosphatase in pregnancy sera. Clin Chim Acta 46:355-62, 27 Jul 73
*ALKALINE PHOSPHATASE, blood/ ANTI-ANTIBODIES/ CELLULOSE/ COMPARATIVE STUDY/ ELECTROPHORESIS/ EVALUATION STUDIES/ FEMALE/ GEL DIFFUSION TESTS/ GOATS, immunology/ HEAT/ HUMAN/ *IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ ISOENZYMES, blood/ METHODS/ *PLACENTA, enzymology/ PLACENTA, immunology/ POLYMERS/ PRECIPITIN TESTS/ *PREGNANCY/ RABBITS, immunology/ SOLUBILITY/ TIME FACTORS
3721. Ushijima Y, Suwa K, Nakano M: Degradation of thyroxine by microsomal particles from rat liver. II. Purification of Fe²⁺-dependent particles and some of their properties. Biochim Biophys Acta 320:284-94, 14 Sep 73
ACID PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CENTRIFUGATION, ZONAL/ CHOLESTEROL, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ CYTOCHROME OXIDASE, metabolism/ CYTOCHROME P-450, metabolism/ GLUCOSEPHOSPHATASE, metabolism/ IODOTYROSINE/ *IRON, metabolism/ IRON ISOTOPES/ IRON RADIOISOTOPES/ LIPIDS, metabolism/ LIPOPROTEINS, metabolism/ LIVER, cytology/ LIVER, metabolism/ MALE/ *MICROSOMES, LIVER, metabolism/ PHOSPHOLIPIDS, metabolism/ RATS/ *RECEPTORS, DRUG/ SUBCELLULAR

AUTHOR SECTION

FRACTIONS, metabolism/ *THYROXINE, metabolism

V

722. Vacek A, Raková A, Rogozkin VD: Protective effect of 5-hydroxytryptamine on the baematopoietic stem cells of mice. *Strahlentherapie* 146:104-14, Jul 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ *HEMATOPOIETIC STEM CELLS, drug effects/ INJECTIONS, INTRAPERITONEAL/ MICE/ OXYGEN, analysis/ RADIATION INJURIES, EXPERIMENTAL, drug therapy/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ RADIATION-PROTECTIVE AGENTS, therapeutic use/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ SEROTONIN, therapeutic use/ SPLEEN, analysis/ TIME FACTORS
723. Vague J, Jubelin J, Boyer J: Evolution du rapport adipo-musculaire dans l'hyperthyroïdie. *Ann Endocrinol (Paris)* 34:216-9, Mar-Apr 73 (Fre)
*ADIPOSE TISSUE/ ADULT/ AGED/ BODY WEIGHT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ HYPERTHYROIDISM, therapy/ MALE/ MIDDLE AGE/ *MUSCLES/ SKINFOLD THICKNESS
724. Vall JT Jr: Letter: Multiple actinic keratoses of the forehead. *Arch Dermatol* 108:581, Oct 73
ADMINISTRATION, TOPICAL/ DERMATOMYOSITIS, drug therapy/ FLUOROURACIL, antagonists & inhibitors/ *FLUOROURACIL, therapeutic use/ HUMAN/ INFLAMMATION/ *KERATOSIS, drug therapy/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use
725. Vaitukaitis JL: Immunologic and physical characterization of human chorionic gonadotropin (hCG) secreted by tumors. *J Clin Endocrinol Metab* 37:505-14, Oct 73
ADULT/ BRAIN NEOPLASMS, blood/ BRAIN NEOPLASMS, urine/ CHILD/ CHORIOCARCINOMA, blood/ CHORIOCARCINOMA, urine/ CHROMATOGRAPHY, AFFINITY/ FEMALE/ GEL FILTRATION/ HALF-LIFE/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ MEDIASTINAL NEOPLASMS, blood/ MEDIASTINAL NEOPLASMS, urine/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASMS, metabolism/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, analysis/ SOMATOTROPIN, blood/ SOMATOTROPIN, urine/ STOMACH NEOPLASMS, blood/ STOMACH NEOPLASMS, urine/ TERATOID TUMOR, blood/ TERATOID TUMOR, urine
726. Vaitukaitis JL, Ross GT, Pierce JG, et al: Generation of specific antisera with the hormone-specific beta-subunit of hTSH or bFSH. *J Clin Endocrinol Metab* 37:653-9, Nov 73
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, AFFINITY/ FEMALE/ *FSH/ FSH, isolation & purification/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ LH/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROTROPIN
727. Valenta LJ, Valenta V, Wang CA, et al: Subcellular distribution of peroxidase activity in human thyroid tissue. *J Clin Endocrinol Metab* 37:560-9, Oct 73
ADENOMA, enzymology/ ADULT/ ANENCEPHALUS, enzymology/ CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ ENDOPLASMIC RETICULUM, enzymology/ FEMALE/ GUAIACOL/ HUMAN/ HYPERTHYROIDISM, enzymology/ HYPOTHYROIDISM, enzymology/ IODINE RADIOISOTOPES/ MICROSCOPY, ELECTRON/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ PEROXIDASES, analysis/ SERUM ALBUMIN, BOVINE/ *THYROID GLAND, enzymology/ THYROID NEOPLASMS, enzymology
3728. Valenzuela MA, Del Campo G, Marín E, et al: Effects of protein-modifying reagents on an isoenzyme of potato apyrase. *Biochem J* 133:755-63, Aug 73
ACYLATION/ ADENOSINE DIPHOSPHATE/ ADENOSINE TRIPHOSPHATASE/ ADENOSINE TRIPHOSPHATE/ AMINO ACIDS, analysis/ BINDING SITES/ CHLOROMERCURIBENZOATES/ CHROMATOGRAPHY/ HYDROGEN-ION CONCENTRATION/ IMIDAZOLES/ IODINE/ *ISOENZYMES/ METHYLATION/ OXIDATION-REDUCTION/ *PHOSPHATASES/ *PLANTS, enzymology/ TYROSINE/ VEGETABLES
3729. Valle D, Downing SJ, Harris SC, et al: Proline biosynthesis: multiple defects in Chinese hamster ovary cells. *Biochem Biophys Res Commun* 53:1130-6, 21 Aug 73
AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CELL LINE/ CELLS, CULTURED/ FEMALE/ FIBROBLASTS, enzymology/ GLUTAMATES, metabolism/ HAMSTERS/ HEPATOMA, enzymology/ HUMAN/ LUNG, enzymology/ MALE/ ORNITHINE/ OVARY, enzymology/ *OVARY, metabolism/ *PROLINE, biosynthesis/ RATS
3730. Valle D, Downing SJ, Phang JM: Proline inhibition of pyrroline-5-carboxylate reductase: differences in enzymes obtained from animal and tissue culture sources. *Biochem Biophys Res Commun* 54:1418-24, 15 Oct 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CATTLE/ CELL LINE/ DIALYSIS/ FIBROBLASTS, enzymology/ HAMSTERS/ HUMAN/ KINETICS/ LIVER, enzymology/ LUNG/ OVARY/ *OXIDOREDUCTASES, antagonists & inhibitors/ *PROLINE, pharmacodynamics/ PROTEINS, metabolism/ PYRROLES/ TISSUE CULTURE
3731. Valzelli L: The "isolation syndrome" in mice. *Psychopharmacologia* 31:305-20, 3 Aug 73 (101 ref.)
AGGRESSION/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING, drug effects/ *BEHAVIOR, ANIMAL/ BENZAZEPINES, pharmacodynamics/ BRAIN CHEMISTRY/ CHLORDIAZEPOXIDE, pharmacodynamics/ MICE/ REVIEW/ SEROTONIN, analysis/ SEX BEHAVIOR, ANIMAL/ *SOCIAL ISOLATION/ SYNDROME
3732. Van Arman CG, Nuss GW, Risley EA: Interactions of aspirin, indometacin and other drugs in adjuvant-induced arthritis in the rat. *J Pharmacol Exp Ther* 187:400-14, Nov 73
ACETAMINOPHEN, therapeutic use/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRITIS, chemically induced/ *ARTHRITIS, drug therapy/ *ASPIRIN, therapeutic use/ BODY WEIGHT/ CHLORPROMAZINE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DEXAMETHASONE, therapeutic use/ DIPHENYLHYDANTOIN, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ HYDROCORTISONE, therapeutic use/ INDOMETHACIN, antagonists & inhibitors/ *INDOMETHACIN, therapeutic use/ MALE/ MYCOBACTERIUM/ PREDNISOLONE, therapeutic use/ RATS/ SALICYLATES, therapeutic use/ SALICYLIC ACID, therapeutic use/ SPIRONOLACTONE, therapeutic use/ TIME FACTORS
3733. Vandenberg JG: Effects of gonadal hormones on the flank gland of the golden hamster. *Horm Res* 4:28-33, 1973
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ HAMSTERS/ MALE/ ORGAN WEIGHT/

AUTHOR SECTION

- OVARY, physiology/ PIGMENTATION, drug effects/ *SEBACEOUS GLANDS, drug effects/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ THIGH
3734. Van der Velden M, Kinthaert J, Orts S, et al: A preliminary study on the action of cassava on thyroid iodine metabolism in rats. *Br J Nutr* 30:511-7, Nov 73
ANIMAL EXPERIMENTS/ *CASSAVA/ CYANIDES, metabolism/ DIET/ GLUCURONIDASE/ GOITER, ENDEMIC, etiology/ *IODINE, metabolism/ MALE/ PROTEIN-BOUND IODINE TEST/ RATS/ THIOCYANATES, blood/ *THYROID GLAND, metabolism/ ZAIRE
3735. Van der Westhuyzen JM: Letter: Plasma-T3 assay in kwashiorkor. *Lancet* 2:965, 27 Oct 73
CHILD/ FALSE NEGATIVE REACTIONS/ HUMAN/ *KWASHIORKOR, blood/ RADIOIMMUNOASSAY/ THYROXINE, blood/ *TRIiodOTHYRONINE, blood
3736. Vanegas H, Ebbesson SO: Retinal projections in the perc-like teleost *Eugerres plumieri*. *J Comp Neurol* 151:331-57, 15 Oct 73
ANIMAL EXPERIMENTS/ *FISHES, anatomy & histology/ GENICULATE BODIES, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ NERVE DEGENERATION/ NEURAL INTERCONNECTIONS/ OPTIC CHIASM, anatomy & histology/ *RETINA, anatomy & histology/ SUPERIOR COLLICULUS, anatomy & histology/ THALAMIC NUCLEI, anatomy & histology
3737. Vanhaelst ML, Golstein J, Van Cauter E, et al: Etude simultanée des variations circadiennes des taux sanguins de la thyroïdopline (TSH) et de la prolactine hypophysaires chez l'homme. *C R Acad Sci [D] (Paris)* 276:1875-7, 19 Mar 73 (Fre)
ADULT/ *CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ MALE/ *PROLACTIN, blood/ SLEEP/ *THYROTROPIN, blood/ TIME FACTORS
3738. Van Itallie TB, Hirsch J: Letter: The treatment of obesity. *Am J Clin Nutr* 26:1039-41, Oct 73
DIET, REDUCING/ DIETARY FATS/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HUNGER/ INJECTIONS/ MALE/ OBESITY, drug therapy/ *OBESITY, therapy/ STATISTICS
3739. Van Jaarsveld P, Branch WT, Robbins J, et al: Polymorphism of Rhesus monkey serum prealbumin. Purification and partial structure. *J Biol Chem* 248:7898-903, 25 Nov 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL DIFFUSION TESTS/ GENETICS/ *MACACA, physiology/ MACROMOLECULAR SYSTEMS/ MALE/ MOLECULAR WEIGHT/ MONKEYS/ PEPTIDES, analysis/ PROTEIN BINDING/ PROTEIN PRECURSORS, analysis/ *PROTEIN PRECURSORS, blood/ PROTEIN PRECURSORS, isolation & purification/ RABBITS, immunology/ SERUM ALBUMIN, analysis/ *SERUM ALBUMIN, isolation & purification/ SPECIES SPECIFICITY/ THYROXINE-BINDING PROTEIN/ ULTRACENTRIFUGATION
3740. Van Jackman K, Klein L, Lacey SH: Recovery and determination of 3H-tetracycline from whole bones. *Biochem Med* 8:114-22, Aug 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ARM, analysis/ *BONE AND BONES, analysis/ COLLAGEN, analysis/ DOGS/ FEMALE/ FEMUR, analysis/ FIBULA, analysis/ HUMERUS, analysis/ HYDROXYPROLINE, analysis/ *LEG, analysis/ METHODS/ PREGNANCY/ PROLINE, analysis/ RADIUS, analysis/ RATS/ *TETRACYCLINE, analysis/ TETRACYCLINE, isolation & purification/ TIBIA, analysis/ TRITIUM/ ULNA, analysis
3741. Van Leemput-Coutrez M, Camus J, Christophe J: Cyclic nucleotide-dependent protein kinases of the rat pancreas. *Biochem Biophys Res Commun* 54:182-90, 5 Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, enzymology/ FEMALE/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ ISOENZYMES, isolation & purification/ ISOENZYMES, metabolism/ KINETICS/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ ORGANOIDS, enzymology/ PANCREAS, cytology/ *PANCREAS, enzymology/ PHOSPHORUS ISOTOPES/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ TRITIUM
3742. Van Leemput-Coutrez M, Camus J, Christophe J: Activité de protéine-phosphotransférase dans le pancréas de rat. *Arch Int Physiol Biochim* 81:600, Sep 73 (Fre)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ PANCREAS, cytology/ PANCREAS, drug effects/ *PANCREAS, enzymology/ *PROTEIN KINASE, metabolism/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ TRITIUM
3743. Van Nesselrooy JH, Berkvens JM: A stain for somatotrophic cells in the rat pituitary gland. *Z Versuchstierkd* 15:94-5, 1973
ANIMAL EXPERIMENTS/ DYES/ METHODS/ *PHOSPHOTUNGSTIC ACID/ *PITUITARY GLAND, cytology/ RATS/ SOMATOTROPIN RELEASING HORMONE, physiology/ *STAINS AND STAINING
3744. Van Sande J, Dumont JE: Effects of thyrotropin, prostaglandin E1 and iodide on cyclic 3',5'-AMP concentration in dog thyroid slices. *Biochim Biophys Acta* 313:320-8, 28 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CALCIUM, pharmacodynamics/ DOGS/ IN VITRO/ *IODIDES, pharmacodynamics/ IODINE RADIOISOTOPES/ METHIMAZOLE, pharmacodynamics/ PERCHLORIC ACIDS, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ POTASSIUM, pharmacodynamics/ PROPYLTHIOURACIL, pharmacodynamics/ *PROTAGLANDINS, pharmacodynamics/ SODIUM, pharmacodynamics/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ TIME FACTORS/ TRITIUM
3745. Vare AM, Bansal PC: Changes in the canine testes after bilateral vasectomy--an experimental study. *Fertil Steril* 24:793-7, Oct 73
ANIMAL EXPERIMENTS/ CYSTS, pathology/ DOGS/ EPIDIDYMYIS, pathology/ LEYDIG CELLS/ MALE/ REGENERATION/ SPERMATOZOA/ TESTICULAR DISEASES, pathology/ *TESTIS, anatomy & histology/ TESTIS, cytology/ TIME FACTORS/ VAS DEFERENS, pathology/ *VASECTOMY
3746. Varma SK, Guraya SS: Histochemical observations on the interstitial gland cells in the garden lizard ovary. *Acta Morphol Neerl Scand* 11:113-20, Jun 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ CYTOPLASM, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ *LIZARDS/ OVARY, analysis/ *OVARY, cytology/ PHOSPHOLIPIDS, analysis/ STAINS AND STAINING/ TRIGLYCERIDES, analysis

AUTHOR SECTION

747. Varma SK, Guraya SS: Histochemical observations on the follicular atresia in the garden lizard ovary. Acta Morphol Neerl Scand 11:241-52, Oct 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ HISTOCYTOCHEMISTRY/ LIPIDS, analysis/ *LIZARDS/ OVARY, analysis/ OVARY, cytology/ *OVARY, physiology/ PHOSPHOLIPIDS, analysis/ TRIGLYCERIDES, analysis
748. Vasilenko IuS: O vazomotornom monokhordite u litsa rechevykh professi. Vestn Otorinolaringol 35:77-80, Sep-Oct 73 (Rus)
DIPHENHYDRAMINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFLAMMATION/ *LARYNGEAL DISEASES, drug therapy/ MALE/ *OCCUPATIONAL DISEASES, drug therapy/ SPEECH/ *VOCAL CORDS
749. Vaslukova EA, Kasatkina EP, Kurmanova AK: Genez i prognosticheskoe znachenie lunosheskogo giperkortitsizma. Vopr Okhr Materin Det 18:48-52, Jun 73 (Rus)
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, diagnosis/ *ADRENAL GLAND HYPERFUNCTION, etiology/ ADULT/ CHILD/ CORTICOTROPIN, analysis/ ENGLISH ABSTRACT/ FEMALE/ GROWTH/ HUMAN/ HYDROCORTISONE, analysis/ 17-HYDROXYCORTICOSTEROIDS, analysis/ MALE/ NEUROLOGIC MANIFESTATIONS/ PROGNOSIS
750. Vass L, Sellyei M: Tumorok és Y chromosoma Y-chromatin és Y chromosoma hlányá férflak szold daganataiban. Orv Hetil 114:2770-4, 18 Nov 73 (Hun)
HUMAN/ KARYOTYPING/ MALE/ MITOSIS/ *NEOPLASMS, familial & genetic/ *SEX CHROMATIN/ *SEX CHROMOSOMES
751. Vassa NT, Solanki SV, Yajnik VH: Myelitis due to enteric fever. Trop Geogr Med 25:245-8, Sep 73
ADOLESCENCE/ CHLORAMPHENICOL, therapeutic use/ FEVER/ HUMAN/ INDIA/ MALE/ MYELITIS, drug therapy/ *MYELITIS, etiology/ MYELITIS, occurrence/ NEUROLOGIC MANIFESTATIONS/ *PARAPLEGIA, etiology/ PARAPLEGIA, occurrence/ PREDNISOLONE, therapeutic use/ TIME FACTORS/ *TYPHOID, complications/ TYPHOID, drug therapy
752. Vaughan ED Jr, Bühler FR, Laragh JH, et al: Renovascular hypertension: renin measurements to indicate hypersecretion and contralateral suppression, estimate renal plasma flow, and score for surgical curability. Am J Med 55:402-14, Sep 73
ADOLESCENCE/ ADULT/ BLOOD UREA NITROGEN/ COLLATERAL CIRCULATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, enzymology/ HYPERTENSION, RENAL, surgery/ *KIDNEY, blood supply/ MALE/ MIDDLE AGE/ POSTOPERATIVE CARE/ PREOPERATIVE CARE/ *RENIN, blood/ RENIN, secretion/ SODIUM, urine/ TIME FACTORS
753. Vávra I, Tom H, Greselln E: Chronic propranolol treatment in young spontaneously hypertensive and normotensive rats. Can J Physiol Pharmacol 51:727-32, Oct 73
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ HEART, drug effects/ HEART RATE, drug effects/ *HYPERTENSION, drug therapy/ KIDNEY, drug effects/ MALE/ ORGAN WEIGHT/ *PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS
754. Vazquez AJ, Krip G: Interactions between amphetamine and serotonergic agents on cat's isolated cerebral cortex. Biol Psychiatry 7:11-22, Aug 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ CATS/ *CEREBRAL CORTEX, drug effects/ CYPROHEPTADINE, pharmacodynamics/ *DEXTRO AMPHETAMINE, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *HYDRAZINES, pharmacodynamics/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ PHENTOLAMINE, pharmacodynamics/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ SERYLTRYPTOPHAN, pharmacodynamics/ BENZYLHYDRAZINE, pharmacodynamics
3755. Vieira Filho JP, Tatit ED, Pinheiro F de P: Dosagem da tiroxina no soro dos indios das tribo Menkranoit e Kuben-Kran-Kegn. Rev Assoc Med Bras 19:193-6, May 73 (Por)
ADOLESCENCE/ BRAZIL/ ENGLISH ABSTRACT/ HUMAN/ *INDIANS, SOUTH AMERICAN/ MALE/ *THYROXINE, blood
3756. Vecerina S, Flitting JV, Saegesser F, et al: Polyposis familiaris, polyposis diffuse et cancer. Praxis 62:1036-9, 21 Aug 73 (Fre)
ADOLESCENCE/ ADULT/ AUTOSOME ABNORMALITIES/ *BONE NEOPLASMS/ *COLONIC NEOPLASMS, familial & genetic/ HUMAN/ *INTESTINAL POLYPS, familial & genetic/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY/ *OSTEOMALACIA, familial & genetic/ PEUTZ-JEGHERS SYNDROME, familial & genetic/ *SKIN NEOPLASMS
3757. Vecsei P, Gless KH, Winter M, et al: "In vivo radioimmunoassay" of aldosterone. Acta Endocrinol (Kbh) 74:307-15, Oct 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBON RADIOISOTOPES/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ IMMUNE SERUMS/ MALE/ METHODS/ *RADIOIMMUNOASSAY/ RATS/ SHEEP, immunology/ SODIUM, pharmacodynamics/ TIME FACTORS/ TRITIUM
3758. Vedrova IN, Demidov AI: Kliniko-morfologicheskie paraleli pri ékssudativnoi forme psoriaza, oslozhnennoi éritrodermie i lechennoi kortikosteroidami. Vestn Dermatol Venerol 47:54-7, May 73 (Rus)
*ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ AUTOPSY/ ENGLISH ABSTRACT/ *ERYTHRODERMA, complications/ ERYTHRODERMA, drug therapy/ ERYTHRODERMA, pathology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PSORIASIS, complications/ PSORIASIS, drug therapy/ *PSORIASIS, pathology
3759. Vein AM: Gipotalamicheski sindrom. Sov Med 35:3-7, Jun 72 (Rus)
*BRAIN DISEASES, classification/ DIENCEPHALON, physiopathology/ HUMAN/ *HYPOTHALAMUS, physiopathology/ LIMBIC SYSTEM, physiopathology/ NEUROLOGIC MANIFESTATIONS/ SYNDROME
3760. Veith FJ, Koerner SK, Siegelman SS, et al: Diagnosis and reversal of rejection in experimental and clinical lung allografts. Ann Thorac Surg 16:172-83, Aug 73
ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZASERINE, therapeutic use/ BIOPSY/ DOGS/ FEMALE/ GRAFT REJECTION/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LUNG, pathology/ LUNG, radiography/ *LUNG, transplantation/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, drug therapy/ PREDNISONE, therapeutic use/ PULMONARY EMPHYSEMA, surgery/ TRANSPLANTATION, HOMOLOGOUS
3761. Veneziale CM, Lohmar PH: Gluconeogenesis in isolated hepatic parenchymal cells. J Biol Chem 248:7786-91, 25 Nov 73
ACETONE, metabolism/ ADENOSINE CYCLIC

AUTHOR SECTION

- 3',5' MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ BUTYRATES,
pharmacodynamics/ CLOSTRIDIOPEPTIDASE
A, pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FRUCTOSE,
metabolism/ GLUCAGON, pharmacodynamics/
*GLUCONEOGENESIS, drug effects/
GLYCERALDEHYDE, metabolism/ GLYCERIN,
metabolism/ HEXOSEPHOSPHATES,
metabolism/ HISTOCYTOCHEMISTRY/
KINETICS/ LACTATES, metabolism/ LIVER,
cytology/ LIVER, drug effects/ *LIVER,
metabolism/ MALE/ PYRUVATES, metabolism/
RATS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TRIOSSES, metabolism
3762. Verbanck M: Vitamine D et rein.
Praxis 62:955-8, 31 Jul 73 (Fre)
HUMAN/ *KIDNEY, metabolism/ KIDNEY
DISEASES, metabolism/ VITAMIN D,
biosynthesis/ *VITAMIN D, metabolism
3763. Verblest H: A short review of the collaboration
between the Utrecht departments of
oto-rhinolaryngology and of neurosurgery and a
contribution to some macro-surgical aspects of
transsphenoidal hypophysectomy. ORL 35:240-7, 1973
AGED/ CAROTID ARTERIES, radiography/
CRYOGENIC SURGERY/ *HOSPITAL
DEPARTMENTS/ HUMAN/
*HYPOPHYSECTOMY/ HYPOPHYSECTOMY,
instrumentation/ INTERPROFESSIONAL
RELATIONS/ METHODS/ MONITORING
SYSTEMS/ NETHERLANDS/
*NEUROSURGERY/
*OTORHINOLARYNGOLOGY/ PITUITARY
NEOPLASMS, surgery/ RADIOGRAPHY,
instrumentation/ SPHENOID BONE/
STEREOTAXIC TECHNIQS/ SURGICAL
EQUIPMENT/ TELEVISION
3764. Verdon TA Jr, Hofeldt FD, Hartman CR, et al: I-131
urinary excretion studies. Invalidity in thyroid
carcinoma. Rocky Mt Med J 70:47-9, Aug 73
CARCINOMA, PAPILLARY, surgery/ HUMAN/
IODINE ISOTOPES, DIAGNOSTIC/
PROTEIN-BOUND IODINE TEST/ THYROID
NEOPLASMS, surgery/ *THYROID
NEOPLASMS, urine/ THYROIDECTOMY/
WHOLE BODY COUNTERS
3765. Verhaeghe M, Gautier P, Godefroy-Vendeville Y, et al:
Les tumeurs granulueuses et thécales de l'ovaire.
Lille Med 18:609-19, Jun-Jul 73 (Fre)
ADULT/ AGED/ FEMALE/ FOLLOW-UP
STUDIES/ *GRANULOSA CELL TUMOR,
physiopathology/ GRANULOSA CELL TUMOR,
surgery/ HUMAN/ MIDDLE AGE/ *OVARIAN
NEOPLASMS, physiopathology/ OVARIAN
NEOPLASMS, surgery/ *THECA CELL
TUMOR, physiopathology/ THECA CELL
TUMOR, surgery
3766. Verly WG: The hepatic chalone.
Natl Cancer Inst Monogr 38:175-84, Jul 73
ANIMAL EXPERIMENTS/ CHALONES,
isolation & purification/ *CHALONES,
metabolism/ CHALONES, pharmacodynamics/
DNA, biosynthesis/ DNA REPLICATION/
DOSE-RESPONSE RELATIONSHIP, DRUG/
EPINEPHRINE, pharmacodynamics/
HEPATECTOMY/ HYDROCORTISONE,
pharmacodynamics/ *LIVER, metabolism/
LIVER REGENERATION/ MALE/
MATHEMATICS/ MITOSIS, drug effects/
ORGAN SPECIFICITY/ PEPTIDE INITIATION
FACTORS/ RABBITS/ RATS/ RECEPTORS,
DRUG/ SPECIES SPECIFICITY/ THYMIDINE,
metabolism/ TRITIUM
3767. Vermes I, Dull G, Telegdy G, et al: Possible role of
serotonin in the monoamines-induced inhibition of
the stress mechanism in the rat.
Acta Physiol Acad Sci Hung 42:219-23, 1972
ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ CORTICOSTERONE, blood/
*DOPAMINE, pharmacodynamics/
HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
drug effects/ HYPOTHALAMUS, metabolism/
MALE/ *MELATONIN, pharmacodynamics/
*NOREPINEPHRINE, pharmacodynamics/
RATS/ SEROTONIN, metabolism/
*SEROTONIN, physiology/ *STRESS,
prevention & control
3768. Vernon-Roberts B, Pirie CJ: Healing trabecular
microfractures in the bodies of lumbar vertebrae
Ann Rheum Dis 32:406-12, Sep 73
AGE FACTORS/ AGED/ AUTOPSY/
BACKACHE, etiology/ FEMALE/
*FRACTURES/ HUMAN/ *LUMBAR
VERTEBRAE, injuries/ LUMBAR VERTEBRAE,
pathology/ LUMBAR VERTEBRAE,
radiography/ MALE/ MIDDLE AGE/
OSTEOPOROSIS, pathology/ WOUND
HEALING/ *WOUND HEALING
3769. Vesel'skiĭ ISh: Izuchenie nekotorykh
neirogumoral'nykh sdvigov pri tranzitornykh
narusheniakh mozgovogo krovoobrashchenia.
Vrach Delo 6:41-3, Jun 73 (Rus)
ADRENAL GLANDS, metabolism/ ADULT/
AGED/ *CEREBRAL ISCHEMIA, TRANSIENT,
blood/ CEREBRAL ISCHEMIA, TRANSIENT,
metabolism/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ HYPERTENSION, metabolism/
MALE/ MIDDLE AGE/ *NEUROHUMORS,
blood/ ZINC, blood
3770. Veyrat R: Physiopathologie clinique de certaines
formes d'hypertension artérielle secondaire.
Schweiz Med Wochenschr 103:1653-62, 24 Nov 73 (27
ref.) (Fre)
ADENOMA, complications/ ADULT/ AGED/
ALDOSTERONE, physiology/ ALDOSTERONE,
urine/ ANGIOTENSIN, physiology/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
HYPERALDOSTERONISM, physiopathology/
HYPERTENSION, MALIGNANT, etiology/
*HYPERTENSION, MALIGNANT,
physiopathology/ HYPERTENSION, RENAL,
etiology/ *HYPERTENSION, RENAL,
physiopathology/ KIDNEY, metabolism/
KIDNEY NEOPLASMS, complications/ MALE/
MIDDLE AGE/ MINERALOCORTICIDS,
secretion/ MUSCLE, SMOOTH,
physiopathology/ POTASSIUM, urine/ RENAL
ARTERY OBSTRUCTION, physiopathology/
RENIN, blood/ REVIEW/ SODIUM,
metabolism/ SODIUM, urine
3771. Vezina JL, Maltais R: La selle turcique dans
l'acromégalie. Etude radiologique.
Neurochirurgie 19:Suppl 2:35-56, May 73 (Fre)
*ACROMEGALY, etiology/ ADENOMA,
complications/ ADENOMA, radiography/
ADENOMA, CHROMOPHOBE, complications/
ADENOMA, CHROMOPHOBE, radiography/
ADENOMA, EOSINOPHILIC, complications/
ADENOMA, EOSINOPHILIC, radiography/
ENGLISH ABSTRACT/ HUMAN/ PITUITARY
NEOPLASMS, complications/ *PITUITARY
NEOPLASMS, radiography/ *SELLA TURCICA,
radiography
3772. Vézinhel A, Charrier J, Dautier L: Evolution des taux
plasmatiques d'acides gras libres et des sucres
réducteurs lors d'un traitement aux hormones
somatotropes porcine et bovine chez le lapin
hypophysectomisé.
Ann Biol Anim Biochim Biophys 12:431-40, 1972 (Fre)
*BLOOD SUGAR, metabolism/ BODY WEIGHT,
drug effects/ CATTLE/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ENGLISH
ABSTRACT/ FATTY ACIDS, NONESTERIFIED,
biosynthesis/ *FATTY ACIDS,
NONESTERIFIED, blood/ HYPOGLYCEMIA,
chemically induced/ HYPOPHYSECTOMY/
LIPID MOBILIZATION, drug effects/
*PITUITARY GLAND, physiology/
SOMATOTROPIN, administration & dosage/
*SOMATOTROPIN, pharmacodynamics/
SPECIES SPECIFICITY/ SWINE
3773. Vickers CF: Dam, reservoir of filter.
Trans St Johns Hosp Dermatol Soc 59:10-29, 1973 (44
ref.)
ADRENAL CORTEX HORMONES, metabolism/
ANTIBIOTICS, metabolism/ ANTI-INFECTIONAL
AGENTS, LOCAL, metabolism/ ASPIRIN,

AUTHOR SECTION

- metabolism/ AUTORADIOGRAPHY/ CARBON ISOTOPES/ EPITHELIAL CELLS/ HUMAN/ IN VITRO/ MICROSCOPY, ELECTRON, SCANNING/ MITOSIS/ REVIEW/ SEX HORMONES, metabolism/ SKIN, cytology/ *SKIN, metabolism/ *SKIN, physiology/ *SKIN ABSORPTION/ SKIN DISEASES, metabolism/ TIME FACTORS/ TRITIUM/ WATER, metabolism
774. Vidor GI, Stewart JC, Wall JR, et al: Pathogenesis of iodine-induced thyrotoxicosis: studies in northern Tasmania. *J Clin Endocrinol Metab* 37:901-9, Dec 73
ADULT/ AGE FACTORS/ ANTIBODIES, analysis/ AUSTRALIA/ BREAD/ FEMALE/ *FOOD ADDITIVES, adverse effects/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, immunology/ *IODINE, adverse effects/ IODINE ISOTOPES, DIAGNOSTIC/ LONG-ACTING THYROID STIMULATOR, blood/ MALE/ RADIOISOTOPE SCANNING/ THYROID GLAND, immunology
775. Vieweg WV, Piscatelli RL, Boone JT, et al: Viral hepatitis: metabolic studies during acute and convalescent phase. *Med Ann DC* 42:480-5, Oct 73
ACUTE DISEASE/ ADULT/ CONVALESCENCE/ GLUCOSE TOLERANCE TEST/ *HEPATITIS, INFECTIOUS, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ INSULIN, metabolism/ MALE/ TRIGLYCERIDES, metabolism
776. Vigh B, Vigh-Teichmann I: Comparative ultrastructure of the cerebrospinal fluid-contacting neurons. *Int Rev Cytol* 35:189-251, 1973 (170 ref.)
AMPHIBIA/ ANIMAL EXPERIMENTS/ BIRDS/ CEREBRAL VENTRICLES, physiology/ *CEREBROSPINAL FLUID, physiology/ FISHES/ HYPOTHALAMUS, cytology/ MAMMALS/ MEDULLA OBLONGATA, physiology/ *NEURONS, cytology/ NEURONS, physiology/ NEUROSECRETION/ REPTILES/ REVIEW/ SPECIES SPECIFICITY
777. Vigneri JM, Juhn SK, Singer L: Calcium and fluoride metabolism in auditory ossicles. A preliminary report. *ORL* 35:266-71, 1973
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ CALCIUM RADIOISOTOPES/ DIET/ *EAR OSSICLES, metabolism/ *FLUORIDES, metabolism/ FLUORIDES, pharmacodynamics/ RATS
778. Vigneri R, Pezzino V, Pilo A, et al: Considerations on preliminary results from triiodothyronine (T3) catabolism and distribution studies in man. *J Nucl Biol Med* 17:113-6, Jul-Sep 73
HUMAN/ *PROTEIN-BOUND IODINE TEST/ THYROXINE-BINDING PROTEIN/ *TRIIODOTHYRONINE, metabolism
779. Vijnanto JA: Dupuytren's contracture: a review. *Semin Arthritis Rheum* 3:155-76, 1973 (69 ref.)
ALCOHOLISM, complications/ DIAGNOSIS, DIFFERENTIAL/ *DUPUYTREN'S CONTRACTURE/ DUPUYTREN'S CONTRACTURE, diagnosis/ DUPUYTREN'S CONTRACTURE, drug therapy/ DUPUYTREN'S CONTRACTURE, etiology/ DUPUYTREN'S CONTRACTURE, familial & genetic/ DUPUYTREN'S CONTRACTURE, occurrence/ DUPUYTREN'S CONTRACTURE, pathology/ DUPUYTREN'S CONTRACTURE, radiotherapy/ DUPUYTREN'S CONTRACTURE, surgery/ ENDOCRINE DISEASES, complications/ EPILEPSY, complications/ FEMALE/ HAND INJURIES, complications/ HEPATITIS, TOXIC, complications/ HUMAN/ HYDROCORTISONE, therapeutic use/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ PENILE INDURATION, complications/ RACIAL STOCKS/ REVIEW/ SEX FACTORS/ ULTRASONIC THERAPY
780. Vijayan E, Sankaran MS: Pituitary slalic acid concentration during the estrous cycle of rats. *Experientia* 29:1145-6, 15 Sep 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *NEURAMINIC ACIDS, analysis/ PERIODICITY/ *PITUITARY GLAND, analysis/ RATS
3781. Vilchez-Martinez JA: Study of the pituitary-testicular axis in hypothyroid adult male rats. *J Reprod Fertil* 35:123-6, Oct 73
ANIMAL EXPERIMENTS/ FSH, analysis/ *HYPOTHYROIDISM, physiopathology/ IODINE RADIOISOTOPES/ LH, analysis/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, physiopathology/ PROSTATE/ RATS/ SEMINAL VESICLES/ *TESTIS, physiopathology
3782. Virutamasen P, Wright KH, Wallach EE: Monkey ovarian contractility-its relationship to ovulation. *Fertil Steril* 24:763-71, Oct 73
ANIMAL EXPERIMENTS/ FEMALE/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MACACA/ MONKEYS/ *MUSCLE CONTRACTION/ *MUSCLE, SMOOTH, physiology/ NOREPINEPHRINE, pharmacodynamics/ OVARY, drug effects/ *OVARY, physiology/ *OVULATION/ OXYTOCIN, pharmacodynamics/ PHENYL ETHERS, pharmacodynamics/ PROPANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics
3783. Vis-Melsen MJ van der, Wiener JD: Letter: Effect of thyrotrophin-releasing hormone on the serum cholesterol. *Br Med J* 4:419, 17 Nov 73
ADULT/ *CHOLESTEROL, blood/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS
3784. Visco RJ: The effect of Eimeria tenella infection and testosterone treatment on the weight of the bursa of Fabricius in young chickens. *Poult Sci* 52:1034-42, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ BURSA OF FABRICIUS, anatomy & histology/ BURSA OF FABRICIUS, drug effects/ *BURSA OF FABRICIUS, pathology/ *CHICKENS/ COCCIDIOSIS, pathology/ *COCCIDIOSIS, veterinary/ FEMALE/ HYPERTROPHY/ INJECTIONS, INTRAPERITONEAL/ MALE/ ORGAN WEIGHT/ *POULTRY DISEASES, pathology/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics
3785. Vishnevskii IuB: O villanl prednizolona na toksicheskoe deistvie vitamina D i razviti D-vitaminnoi intoksikatsii (eksperimental'noe issledovanie. *Pediatrics* 52:56-8, Jul 73 (Rus)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ MALE/ *PREDNISOLONE, pharmacodynamics/ RATS/ VITAMIN D, poisoning/ *VITAMIN D, toxicity
3786. Viskoper RJ, Fidel J, Horn T, et al: On the beneficial action of acetazolamide in hypokalemic periodic paralysis: study of the carbohydrate metabolism. *Am J Med Sci* 266:124-9, Aug 73
ACETAZOLAMIDE, pharmacodynamics/ *ACETAZOLAMIDE, therapeutic use/ ADOLESCENCE/ ADULT/ AMMONIUM CHLORIDE, administration & dosage/ BLOOD SUGAR, analysis/ *CARBOHYDRATES, metabolism/ CHILD/ ELECTROMYOGRAPHY/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS/ HYPOKALEMIA, complications/ MALE/ *PARALYSIS, FAMILIAL PERIODIC, drug therapy/ PARALYSIS, FAMILIAL PERIODIC, etiology/ POTASSIUM, blood/ POTASSIUM, metabolism/ SODIUM, blood/ SOMATOTROPIN, secretion
3787. Vivanco F, Gonzales-Gancedo P, Ramos F: A simple clinical test for measuring the serum testosterone response to intravenous infusion of human chorionic

AUTHOR SECTION

- gonadotrophin (HCG).
Acta Endocrinol (Kbh) 73:790-3, Aug 73
ADOLESCENCE/ ADULT/ CASTRATION/
FEMALE/ GONADOTROPINS, CHORIONIC,
administration & dosage/ *GONADOTROPINS,
CHORIONIC, diagnostic use/ HUMAN/
INJECTIONS, INTRAVENOUS/
KLINEFELTER'S SYNDROME, blood/ MALE/
METHODS/ PROTEIN BINDING/ SEX
FACTORS/ STIMULATION, CHEMICAL/
*TESTOSTERONE, blood/ TIME FACTORS
3788. Vladimirov YA, Sergeev PV, Seifulla RD, et al: Effect of
steroids on lipid peroxidation in liver mitochondrial
membranes. Mol Biol 7:206-11, Mar-Apr 73
ANIMAL EXPERIMENTS/
DIETHYLSTILBESTROL, pharmacodynamics/
ESTRADIOL, pharmacodynamics/ ESTRIOL,
pharmacodynamics/ *ESTROGENS,
pharmacodynamics/ ESTRONE,
pharmacodynamics/ ETHINYL ESTRADIOL,
pharmacodynamics/ *FATTY ACIDS,
UNSATURATED, metabolism/ IN VITRO/
*MEMBRANES, metabolism/ *MITOCHONDRIA,
LIVER, metabolism/ RATS/ VITAMIN E,
pharmacodynamics
3789. Vladyka LA, Shotemur Sh: O diagnostike pervichnogo
giperparatioreza.
Klin Med (Mosk) 51:96-106, Mar 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ BONE AND
BONES, physiology/ BONE DISEASES,
etiology/ BONE DISEASES, radiography/
CALCIUM, metabolism/ DIAGNOSTIC
ERRORS/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ HYPERPARATHYROIDISM,
complications/ *HYPERPARATHYROIDISM,
diagnosis/ HYPERPARATHYROIDISM,
metabolism/ HYPERPARATHYROIDISM,
physiopathology/ MALE/ MIDDLE AGE/
PHOSPHATES, metabolism
3790. Vlieststra RE: Idiopathic hypoparathyroidism
following gastric surgery. NZ Med J 78:113-4, 8 Aug 73
CALCIUM, therapeutic use/ CASE REPORT/
DUODENAL ULCER, surgery/
*GASTRECTOMY, adverse effects/ HUMAN/
HYPOPARATHYROIDISM, drug therapy/
*HYPOPARATHYROIDISM, etiology/ MALE/
MIDDLE AGE/ VITAMIN D, therapeutic use
3791. Voegel LD, Hagood MF, Yarbrough DR 3d: Benign
goiter as a cause of postintubation airway obstruction.
South Med J 66:1304-5, Nov 73
AGED/ *AIRWAY OBSTRUCTION, etiology/
CASE REPORT/ EDEMA, etiology/ FEMALE/
*GOITER, complications/ HUMAN/
INTUBATION, INTRATRACHEAL, adverse
effects
3792. Vogel E, Fahrig R, Obe G: Trilazenes, a new group of
indirect mutagens. Comparative investigations of the
genetic effects of different Aryldialkyltrilazenes
using Saccharomyces cerevisiae, the host-mediated
assay, Drosophila melanogaster, and human
chromosomes in vitro. Mutat Res 21:123-36, Jun 73
ADENINE, metabolism/ ALLELES/ ANIMAL
EXPERIMENTS/ CHROMOSOME
ABERRATIONS/ *CHROMOSOMES, drug
effects/ CULTURE MEDIA/ CYCLIC
N-OXIDES, pharmacodynamics/ *DROSOPHILA
MELANOGASTER, drug effects/ FEMALE/
GENES/ GENES, DOMINANT/ GENES,
LETHAL/ HUMAN/ LEUKOCYTES, drug
effects/ MALE/ MICE/ MITOSIS,
drug effects/ *MUTAGENS/ MUTATION, drug
effects/ PYRIDINES, pharmacodynamics/
*SACCHAROMYCES CEREVISIAE,
drug effects/ SACCHAROMYCES CEREVISIAE,
growth & development/ SEX CHROMOSOMES/
*TRIAZENES, pharmacodynamics/
TRYPTOPHAN, metabolism
3793. Vogel JR, Haubrich DR: Chronic administration of
electroconvulsive shock effects on mouse-killing
activity and brain monoamines in rats.
Physiol Behav 11:725-8, Nov 73
*AGGRESSION/ ANIMAL EXPERIMENTS/
BODY WEIGHT/ *BRAIN CHEMISTRY/
CONVULSIONS, physiopathology/ DISEASE
- MODELS, ANIMAL/ *DOPAMINE, analysis/
*ELECTROSHOCK/ FEMALE/
*HYDROXYINDOLEACETIC ACID, analysis/
MICE/ *NOREPINEPHRINE, analysis/ *RATS/
*SEROTONIN, analysis
3794. Voitenko VP: Polovo-561 khromatin pri
fiziolicheskom i patolicheskom stareni.
Vrach Delo 7:47-9, Jul 73 (Rus)
AGE FACTORS/ AGED/ *AGING/ CHEEK/
ENGLISH ABSTRACT/ EPITHELIAL CELLS,
analysis/ FEMALE/ HUMAN/ MIDDLE AGE/
MOUTH MUCOSA, cytology/ NEOPLASMS,
pathology/ *SEX CHROMATIN, analysis
3795. Volchek AG: Opredelenie mikrokolichestv
kortikosterona v plazme krysa metodom
saturatsionnogo analiza.
Biol Nauki 10:124-9, 1973 (Rus)
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ *CORTICOSTERONE, blood/
FEMALE/ HYPOTHALAMUS, physiology/
LIGANDS/ MALE/ METHODS/
MICROCHEMISTRY/ PITUITARY GLAND,
POSTERIOR, physiology/ RATS/ TRITIUM
3796. Volker L, Gold BI: Effect of ethanol on cyclic AMP
levels in the rat brain. Life Sci 13:269-80, 16 Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ *ALCOHOL,
ETHYL, pharmacodynamics/ ANALYSIS OF
VARIANCE/ ANIMAL EXPERIMENTS/
BEHAVIOR, ANIMAL, drug effects/ BRAIN,
drug effects/ *BRAIN, metabolism/
CEREBELLUM, drug effects/ CEREBELLUM,
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drug effects/ MEDULLA OBLONGATA,
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pharmacodynamics/ PONS, drug effects/
PONS, metabolism/ POSTMORTEM CHANGES/
RADIOIMMUNOASSAY/ RATS/ TIME
FACTORS/ TRITIUM
3797. Volkov AV: Tipy dinamiki soderzhanija
glukokortikoidov plazmy pri postgipoksicheskikh
sostoyaniyakh.
Patol Fiziol Eksp Ter 17:15-20, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *ANOXIA, blood/
BRAIN, physiopathology/ DEATH/ DOGS/
ENGLISH ABSTRACT/ *GLUCOCORTICOIDS,
blood/ *HEMODYNAMICS/
17-HYDROXYCORTICOSTEROIDS, blood/
RESUSCITATION/ TIME FACTORS
3798. Volozhin AI, Vasil'ev PV, Malkin VB: Vliyanie gazovoi
sredy s nedostatkom kisloroda i izbytkom uglekislogo
gaza na sostoyanie kal'tsievogo i helkovogo obmena v
kostyakh i zubakh.
Patol Fiziol Eksp Ter 17:20-4, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *ANOXIA,
metabolism/ *BONE AND BONES, metabolism/
*CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ CARBON RADIOISOTOPES/
ENGLISH ABSTRACT/ GLYCINE, metabolism/
*HYPERCAPNIA, metabolism/ MALE/
*PROTEINS, metabolism/ RATS/ TOOTH,
metabolism/ *TOOTH CALCIFICATION
3799. Volpert EM: Iodoaminoacids in normal and
iodine-deficient rat thyroids: comparison between
125I and 127I distribution.
Endocrinology 93:1241-50, Dec 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DIET/
*DIODOTYROSINE, metabolism/
ELECTROPHORESIS, PAPER/ IODINE
RADIOISOTOPES/ *IODOTYROSINE,
metabolism/ MALE/ METHODS/ RATS/
*THYROID GLAND, metabolism/
*THYROXINE, metabolism/
*TRIIODOTHYRONINE, metabolism
3800. Vondra K, Rath R, Strašek J: Poznámky ke specifitě

AUTHOR SECTION

- změn časového průběhu reflexu Achillovy šlachy.
Cas Lek Cesk 112:1426-9, 16 Nov 73 (Cze)
*ACHILLES TENDON, physiology/ CIRCADIAN
RHYTHM/ ENGLISH ABSTRACT/ EXERTION/
FEMALE/ HUMAN/ *REFLEX, TENDON/
THYROID GLAND FUNCTION TESTS
01. Voorhees JJ, Duell EA, Bass LJ, et al: Role of cyclic AMP in the control of epidermal cell growth and differentiation.
Natl Cancer Inst Monogr 38:47-59, Jul 73 (138 ref.)
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ADENYL
CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ *CELL DIFFERENTIATION/
CELL DIVISION/ CHALONES, metabolism/
CHALONES, physiology/ DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ DNA, biosynthesis/
EPINEPHRINE, metabolism/ GLYCOGEN,
metabolism/ HUMAN/ ISOPROTERENOL,
pharmacodynamics/ MITOSIS/ ORGAN
SPECIFICITY/ PSORIASIS, metabolism/
REVIEW/ SKIN, drug effects/ SKIN,
enzymology/ *SKIN, growth & development/
SKIN, metabolism/ THEOPHYLLINE,
pharmacodynamics/ TIME FACTORS/
WOUNDS AND INJURIES, metabolism
02. Vos JG, Moore JA, Zinkl JG: Effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin on the immune system of laboratory animals.
Environ Health Perspect 5:149-62, Sep 73
ADRENAL CORTEX HORMONES, blood/
ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ BODY WEIGHT,
drug effects/ CHLOROBENZENES, toxicity/
*DIOXINS, toxicity/ FEMALE/ GEL
DIFFUSION TESTS/ GRAFT VS HOST
REACTION, drug effects/ GUINEA PIGS/
HYPERSENSITIVITY, DELAYED, immunology/
*IMMUNITY, drug effects/ IMMUNITY,
CELLULAR, drug effects/ INJECTIONS,
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LYMPH NODES, drug effects/ MALE/ MICE/
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SPLEEN, transplantation/ TETANUS
ANTITOXIN, analysis/ TETANUS TOXOID,
administration & dosage/ THYMUS GLAND,
drug effects/ THYMUS GLAND, pathology/
TUBERCULIN TEST
03. Vose GF, Keele DK: Bone growth in nonambulatory children on oxymetholone and fluoride therapies.
Growth 37:213-21, Sep 73
ADOLESCENCE/ *BONE DEVELOPMENT, drug
effects/ CALCANEUS, growth & development/
CALCIFICATION, PHYSIOLOGIC,
drug effects/ CHILD/ CHILD, PRESCHOOL/
DRUG THERAPY, COMBINATION/
FLUORIDES, pharmacodynamics/ *FLUORIDES,
therapeutic use/ HUMAN/ *OSTEOPOROSIS,
drug therapy/ OSTEOPOROSIS,
physiopathology/ OXYMETHOLONE,
pharmacodynamics/ *OXYMETHOLONE,
therapeutic use/ TIME FACTORS
04. Voskan'iants OK: Glukokortikoidnala funktsiia dory nadpochebnikov v do-1 posleoperatsionnom periode pri vrozhdenei voronkoobraznoi ddeformatsii grudnoi kletki i mitral'nom stenozu u detei.
Pediatrila 51:79-80, May 73 (Rus)
ABNORMALITIES, physiopathology/
ADOLESCENCE/ *ADRENAL GLANDS,
physiopathology/ CHILD/ CHILD,
PRESCHOOL/ *GLUCOCORTICOIDS, secretion/
HUMAN/ *MITRAL VALVE STENOSIS,
physiopathology/ PITUITARY-ADRENAL
FUNCTION TESTS/ *THORAX, abnormalities/
THORAX, surgery
05. Voss R, Falk R: The nature of reverse mutations in Drosophila melanogaster. Mutat Res 20:221-34, Nov 73
ALLELES/ ANIMAL EXPERIMENTS/
CHROMOSOME ABERRATIONS/ CROSSES,
GENETIC/ *DROSOPHILA MELANOGASTER/
ETHANE, pharmacodynamics/ FEMALE/
*GENES, LETHAL/ GENES, RECESSIVE/
GENOTYPE/ LINKAGE (GENETICS)/ MALE/
METHANESULFONATES, pharmacodynamics/
MUTAGENS, pharmacodynamics/ *MUTATION,
drug effects/ MUTATION, radiation effects/
RADIATION EFFECTS/ SEX CHROMOSOMES/
SULFURIC ACIDS, pharmacodynamics
3806. Voyles N, Gutman RA, Selawry H, et al: Interaction of various stimulators and inhibitors on insulin secretion in vitro. Horm Res 4:65-73, 1973
ANIMAL EXPERIMENTS/ DIAZOXIDE,
pharmacodynamics/ DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ DRUG
INTERACTIONS/ EPINEPHRINE,
pharmacodynamics/ GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
INOSINE NUCLEOTIDES, pharmacodynamics/
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pharmacodynamics/ PANCREAS, secretion/
RATS/ STARVATION/ STIMULATION,
CHEMICAL/ THEOPHYLLINE,
pharmacodynamics/ THYMINE NUCLEOTIDES,
pharmacodynamics/ TIME FACTORS/
TOLBUTAMIDE, pharmacodynamics
3807. Vrettos A, Mantzos J, Kokini G, et al: Correlation between oestrol levels and serum iron-binding capacity in pregnancy.
Acta Haematol (Basel) 49:331-4, 1973
ADULT/ ESTRIOL, physiology/ *ESTRIOL,
urine/ FEMALE/ GESTATIONAL AGE/
HUMAN/ *IRON, blood/ IRON, metabolism/
IRON RADIOISOTOPES/ PREGNANCY/
*PREGNANCY
3808. Vriend J, Lauber JK: Letter: Effects of light intensity, wavelength and quanta on gonads and spleen of the deer mouse. Nature 244:37-8, 6 Jul 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
FEMALE/ *LIGHT/ MALE/ MICE/ ORGAN
WEIGHT/ OVARY, growth & development/
*OVARY, physiology/ SPLEEN, growth &
development/ *SPLEEN, physiology/ TESTIS,
growth & development/ *TESTIS, physiology
3809. Vrtunski P, Murray R, Wollin LR: The effect of alcohol on intracranially reinforced response.
Q J Stud Alcohol 34:718-25, Sep 73
ALCOHOL, ETHYL, administration & dosage/
*ALCOHOL, ETHYL, pharmacodynamics/
ANIMAL EXPERIMENTS/ *CONDITIONING,
OPERANT, drug effects/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ELECTRIC
STIMULATION/ *HYPOTHALAMUS,
physiology/ MALE/ RATS/ *REINFORCEMENT
(PSYCHOLOGY)/ *SELF STIMULATION/
STEREOTAXIC TECHNIQS
3810. Vuopio P, Härkönen M, Johnsson R, et al: Red cell glucose-6-phosphate dehydrogenase deficiency in Finland. Ann Clin Res 5:168-73, Jun 73
ADOLESCENCE/ ADULT/ AGED/ ANEMIA,
HEMOLYTIC, CONGENITAL
NONSPHEROCYTIC, enzymology/ *ANEMIA,
HEMOLYTIC, CONGENITAL
NONSPHEROCYTIC, familial & genetic/
BILIRUBIN, metabolism/ BLOOD PLATELETS,
enzymology/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ ERYTHROCYTE
COUNT/ *ERYTHROCYTES, enzymology/
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*GLUCOSEPHOSPHATE DEHYDROGENASE,
blood/ GLUCOSEPHOSPHATE DEHY-
DROGENASE DEFICIENCY, blood/
*GLUCOSEPHOSPHATE DEHY- DROGENASE
DEFICIENCY, familial & genetic/
HAPTOGLOBINS, metabolism/ HEAT/
HEMOGLOBIN, metabolism/ HETEROZYGOTE/
HUMAN/ MALE/ MIDDLE AGE/ PEDIGREE/
SEX CHROMOSOMES

W

3811. Waal H: Narkomanl og stoffmisbruk i ungdomsårene.
Tidsskr Nor Laegeforen 93:1047-52, 20 May 73 (Nor)
ADOLESCENCE/ CANNABIS/ *DRUG ABUSE,
occurrence/ DRUG ADDICTION/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
INTERPERSONAL RELATIONS/ LYSERGIC
ACID DIETHYLAMIDE/ MALE/ NORWAY/
PERSONALITY DEVELOPMENT/ PUBERTY/

AUTHOR SECTION

- SOCIAL CONDITIONS/ SOCIAL
CONFORMITY/ SOCIOECONOMIC FACTORS/
SOLVENTS
3812. Waaler GH: Genetics and physiology of colour vision ("my story on colour vision genetics and physiology"). *Acta Ophthalmol [Suppl] (Khh)* 1-75, 1973
ANIMAL EXPERIMENTS/ *COLOR
BLINDNESS, familial & genetic/ COLOR
BLINDNESS, occurrence/ COLOR BLINDNESS,
physiopathology/ *COLOR PERCEPTION/
COLOR PERCEPTION TESTS/ CROSSING
OVER (GENETICS)/ CYPRINIDAE, physiology/
DNA/ ELECTROENCEPHALOGRAPHY/
ELECTRORETINOGRAPHY/ FEMALE/
GENOTYPE/ HUMAN/ LIGHT/ MALE/
NORWAY/ PEDIGREE/ PHENOTYPE/
RETINA, physiology/ RODS AND CONES,
physiology/ RODS AND CONES,
physiopathology/ SEX CHROMOSOMES/ SEX
FACTORS/ VISUAL CORTEX
3813. Wachtel SS, Goldberg EH, Zuckerman E, et al: Continued expression of H-Y antigen on male lymphoid cells resident in female (chimaeric) mice. *Nature* 244:102-3, 13 Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ GENES/
*HISTOCOMPATIBILITY ANTIGENS/ *LYMPH
NODES, immunology/ MALE/ MICE/ MICE,
INBRED C57BL/ RADIATION CHIMERA/ SEX
CHROMOSOMES/ *SPLEEN, immunology
3814. Wachter E, Machleidt W, Hofner H, et al: Aminopropyl glass and its p-phenylene diisothiocyanate derivative, a new support in solid-phase Edman degradation of peptides and proteins. *FEBS Lett* 35:97-102, 1 Sep 73
AUTOANALYSIS/ BEES/ CARBODIIMIDES/
CHEMISTRY/ CHROMATOGRAPHY, GAS/
CYTOCHROME C/ DOGS/ GLASS/ HORSES/
METHODS/ MYOCARDIUM, analysis/ PEPTIDE
HYDROLASES, antagonists & inhibitors/
*PEPTIDES, analysis/ PROPYLAMINES/
*PROTEINS, analysis/ SPECTRUM ANALYSIS,
MASS/ SUBMANDIBULAR GLAND, analysis/
THIOCYANATES/ VENOMS, analysis
3815. Wagener JW: Self-stimulation of preoptic and lateral hypothalamus during behavioral thermo-regulation in the albino rat. *J Comp Physiol Psychol* 84:652-60, Sep 73
ANIMAL EXPERIMENTS/ *BEHAVIOR,
ANIMAL/ *BODY TEMPERATURE
REGULATION/ COLD/ CONDITIONING,
OPERANT/ ELECTRIC STIMULATION/ HEAT/
*HYPOTHALAMUS, physiology/ MALE/ RATS/
*SELF STIMULATION/ STEREOTAXIC
TECHNICS
3816. Wagner K, Wagner W: Symptomatische akute autoimmunhämolytische Anämie durch inkomplette Wärmeautoantikörper bei akuter Hepatitis. *Wien Klin Wochenschr* 85:564-6, 17 Aug 73 (Ger)
ABDOMEN, ACUTE, etiology/ ABO FACTORS/
ACUTE DISEASE/ ADOLESCENCE/ ADRENAL
CORTEX HORMONES, therapeutic use/
ANEMIA, HEMOLYTIC, AUTOIMMUNE, blood/
ANEMIA, HEMOLYTIC, AUTOIMMUNE,
diagnosis/ ANEMIA, HEMOLYTIC,
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ANEMIA, HEMOLYTIC, AUTOIMMUNE,
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ABSTRACT/ HEAT/ HEPATITIS,
INFECTIOUS, blood/ *HEPATITIS,
INFECTIOUS, complications/ HEPATITIS,
INFECTIOUS, immunology/ HUMAN/ MALE/
PROGNOSIS/ RH FACTORS/
THROMBOEMBOLISM, etiology
3817. Wahrmann JP, Winand R, Luzzati D: Effect of cyclic AMP on growth and morphological differentiation of an established myogenic cell line. *Nature [New Biol]* 245:112-3, 28 Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/ CELL
DIFFERENTIATION, drug effects/ *CELL
DIVISION, drug effects/ CELL LINE/ CLONE
- CELLS/ *DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ *MUSCLES, cytology/
THEOPHYLLINE, pharmacodynamics
3818. Waltzman MB: Prostaglandins and diabetic retinopathy. *Exp Eye Res* 18:307-13, 10 Aug 73
ARACHIDONIC ACID, metabolism/ DIABETES/
MELLITUS, metabolism/ *DIABETIC
RETINOPATHY, blood/ DIABETIC
RETINOPATHY, metabolism/ FATTY ACIDS,
metabolism/ HUMAN/ INSULIN, metabolism/
LINOLENIC ACID, metabolism/ LIPIDS,
metabolism/ MALE/ PHOSPHOLIPASE,
metabolism/ PHOSPHOLIPIDS, metabolism/
PROSTAGLANDINS, biosynthesis/
*PROSTAGLANDINS, blood/ TIME FACTORS
3819. Walbaum R: Corrélations cliniques et cytogénétiques dans le syndrome de Turner. *Lille Med* 18:438-50, Apr 73 (Fre)
BONE AND BONES, abnormalities/
DERMATOGLYPHICS/ EAR, abnormalities/
EYE, abnormalities/ FEMALE/ GONADS,
abnormalities/ HEART DEFECTS,
CONGENITAL/ HUMAN/ KARYOTYPING/
SKIN, abnormalities/ *TURNER'S SYNDROME,
familial & genetic/ TURNER'S SYNDROME,
pathology/ UROGENITAL SYSTEM,
abnormalities
3820. Walbaum R, Vandevelde-Staquet MF, Lefebvre C, et al: Syndrome 48, XXXX chez un nourrisson. *J Genet Hum* 21:43-56, Mar 73 (Fre)
ADRENAL GLANDS, physiopathology/ ADULT/
BLOOD GROUPS/ FEMALE/ HUMAN/
HYPOTHYROIDISM, familial & genetic/
INFANT/ INFANT, NEWBORN/ INFLUENZA/
KARYOTYPING/ PREGNANCY/ PREGNANCY
COMPLICATIONS, INFECTIOUS/
PSYCHOMOTOR DISORDERS/ *SEX
CHROMOSOME ABNORMALITIES/ SEX
CHROMOSOME ABNORMALITIES,
physiopathology/ SPEECH/ THYROTROPIN,
therapeutic use
3821. Wallinder G, Sjöden AM: Late effects of irradiation of the thyroid gland in mice. 3. Comparison between irradiation of foetuses and adults. *Acta Radiol [Ther] (Stockh)* 12:201-8, Jun 73
*ADENOMA/ AGE FACTORS/ ANIMAL
EXPERIMENTS/ *CARCINOMA/
COMPARATIVE STUDY/ FEMALE/ FETUS,
radiation effects/ GESTATIONAL AGE/
IODINE RADIOISOTOPES/ MALE/ METHODS/
MICE, INBRED CBA/ NEOPLASMS,
EXPERIMENTAL/ *NEOPLASMS,
RADIATION-INDUCED/ ORGAN WEIGHT/
PITUITARY GLAND, anatomy & histology/
PITUITARY GLAND, radiation effects/
PREGNANCY/ *RADIATION EFFECTS/ RATS/
THYROID GLAND, anatomy & histology/
*THYROID GLAND, radiation effects/
*THYROID NEOPLASMS
3822. Walker RH, Reed WB: Genetic cutaneous disorders with gynecologic tumors. *Trans Pac Coast Obstet Gynecol Soc* 40:30-7, 1973
*ABNORMALITIES, MULTIPLE/ AUTOSOME
ABNORMALITIES, familial & genetic/
CARCINOMA, *BASAL CELL, familial &
genetic/ FIBROMA, familial & genetic/ *JAW
DISEASES, familial & genetic/ LEIOMYOMA,
familial & genetic/ LEIOMYOSARCOMA,
familial & genetic/ *ODONTOGENIC CYSTS,
familial & genetic/ *OVARIAN NEOPLASMS,
familial & genetic/ *SKIN NEOPLASMS,
familial & genetic/ SYNDROME/ *UTERINE
NEOPLASMS, familial & genetic
3823. Wall JR, Good BF, Forbes IJ, et al: Demonstration of the production of the long acting thyroid stimulator (LATS) by peripheral lymphocytes cultured in vitro. *Clin Exp Immunol* 14:555-61, Aug 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/
ANTI-ANTIBODIES/ AUTOIMMUNE
DISEASES/ BIOLOGICAL ASSAY/ CELLS,
CULTURED/ FEMALE/ GEL DIFFUSION
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immunology/ *GOITER, EXOPHTHALMIC,
metabolism/ HUMAN/ IGG, analysis/

AUTHOR SECTION

- *LONG-ACTING THYROID STIMULATOR, biosynthesis/ *LYMPHOCYTES, metabolism/ MALE/ MICE/ MIDDLE AGE/ PLANT AGGLUTININS
4. Waller H, Waller M: Zytogenetische Untersuchungen am Autopsiematerial eines Pathologischen Instituts. Zentralbl Allg Pathol 117:138-45, 1973 (Ger) ABNORMALITIES, MULTIPLE, pathology/ AUTOPSY/ AUTOSOME ABNORMALITIES, pathology/ *CHROMOSOME ABNORMALITIES, pathology/ CHROMOSOMES, HUMAN, 13-15/ CHROMOSOMES, HUMAN, 16-18/ ENGLISH ABSTRACT/ FEMALE/ HEPATITIS, congenital/ HUMAN/ KLINEFELTER'S SYNDROME, pathology/ MALE/ MONGOLISM, pathology/ MOSAICISM/ PSEUDOHERMAPHRODITISM, pathology/ SKULL, abnormalities/ TRISOMY
5. Wallevik K: Isoelectric focusing of bovine serum albumin. Influence of binding of carrier ampholytes. Biochim Biophys Acta 322:75-87, 21 Sep 73 ACETAMIDES/ CARBON RADIOISOTOPES/ CATTLE/ CYSTEINE/ DISULFIDES/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FATTY ACIDS/ HYDROGEN-ION CONCENTRATION/ IODINE/ ISOELECTRIC FOCUSING/ PROTEIN BINDING/ PROTEIN DENATURATION/ *SERUM ALBUMIN, BOVINE
6. Wallis M: The primary structure of bovine growth hormone. FEBS Lett 35:11-4, 1 Sep 73 AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, PAPER/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ DANSYL COMPOUNDS/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ PEPSIN/ PEPTIDE FRAGMENTS, analysis/ PEPTIDES, isolation & purification/ *SOMATOTROPIN, analysis/ SUBTILISIN/ THERMOLYSIN/ THIOCYANATES/ TRYPSIN
7. Walsh DA, Ashby CD: Protein kinases: aspects of their regulation and diversity. Recent Prog Horm Res 29:329-59, 1973 (44 ref.) ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ ISOENZYMES, metabolism/ KINETICS/ MUSCLE PROTEINS, pharmacodynamics/ MUSCLES, drug effects/ MUSCLES, enzymology/ ORGAN SPECIFICITY/ PROTEIN KINASE, antagonists & inhibitors/ *PROTEIN KINASE, metabolism/ RABBITS/ RATS/ REVIEW
8. Walsh PC, Swerdloff RS, Odell WD: Feedback regulation of gonadotropin secretion in men. J Urol 110:84-9, Jul 73 ADULT/ AGED/ ATROPHY/ CASTRATION/ ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, therapeutic use/ FEEDBACK/ FLUOXYMESTERONE, administration & dosage/ FLUOXYMESTERONE, therapeutic use/ FSH, blood/ FSH, physiology/ *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ LH, blood/ LH, physiology/ MALE/ MIDDLE AGE/ PROSTATIC NEOPLASMS, surgery/ RADIOIMMUNOASSAY/ SPERMATOGENESIS/ TESTIS, pathology/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, therapeutic use
9. Walsh PC, Swerdloff RS: Biphasic effect of testosterone on spermatogenesis in the rat. Invest Urol 11:190-3, Nov 73 ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ ATROPHY, chemically induced/ DEPRESSION, CHEMICAL/ EPITHELIUM, drug effects/ FSH, blood/ INJECTIONS, SUBCUTANEOUS/ LEYDIG CELLS, drug effects/ LEYDIG CELLS, metabolism/ LH, blood/ MALE/ ORGAN WEIGHT/ PROSTATE, drug effects/ RATS/ *SPERMATOGENESIS, drug effects/ *STERILITY, MALE, chemically induced/ STERILITY, MALE, pathology/ TESTIS, pathology/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics
3830. Walter RM, Ensink JW, Ricketts H, et al: Insulin and ACTH production by a streptozotocin responsive islet cell carcinoma. Am J Med 55:667-70, Nov 73 CASE REPORT/ *CORTICOTROPIN, secretion/ FEMALE/ *HORMONES, ECTOPIC, secretion/ HUMAN/ *INSULIN, secretion/ ISLET CELL TUMOR, drug therapy/ *ISLET CELL TUMOR, physiopathology/ LIVER NEOPLASMS/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PANCREATIC NEOPLASMS, drug therapy/ *PANCREATIC NEOPLASMS, physiopathology/ *STREPTOZOTOCIN, therapeutic use
3831. Walters RA, Tobey RA, Ratliff RL: Cell-cycle-dependent variations of deoxyribonucleoside triphosphate pools in Chinese hamster cells. Biochim Biophys Acta 319:336-47, 7 Sep 73 CELL COUNT/ CELL DIVISION/ CELL LINE/ CHROMATOGRAPHY, PAPER/ *DEOXYRIBONUCLEOTIDES, metabolism/ DNA NUCLEOTIDYL- TRANSFERASES/ HAMSTERS/ HYDROXYUREA, pharmacodynamics/ ISOTOPE LABELING/ MICROCOCCUS, enzymology/ MITOSIS/ OVARY/ OVARY, drug effects/ *OVARY, metabolism/ PHOSPHORUS RADIOISOTOPES/ TEMPLATES/ TIME FACTORS/ TRITIUM
3832. Walton PD, Jamieson AD, Shingleton HM: The expanding role of diagnostic ultrasound in obstetrics and gynecology. Surg Gynecol Obstet 137:753-7, Nov 73 ABSCESS, diagnosis/ ADULT/ ANENCEPHALUS, diagnosis/ CEPHALOMETRY/ FEMALE/ FETAL DISEASES, diagnosis/ FETUS/ GESTATIONAL AGE/ *GYNECOLOGIC DISEASES, diagnosis/ HEAD/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ HYDRAMNIOS, diagnosis/ HYDROCEPHALUS, diagnosis/ METHODS/ PELVIS/ PERITONEAL DISEASES, diagnosis/ PLACENTA/ PLACENTA PRAEVIA, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ TIME FACTORS/ TRANSDUCERS/ TWINS/ *ULTRASONICS, diagnostic use
3833. Walzer S, Richmond JB: The epidemiology of learning disorders. Pediatr Clin North Am 20:549-65, Aug 73 (73 ref.) ABNORMALITIES, DRUG-INDUCED, complications/ AFFECTIVE DISTURBANCES, complications/ BIRTH WEIGHT/ BOSTON/ BRAIN DISEASES, complications/ CHILD/ CHILD PSYCHIATRY/ CULTURAL DEPRIVATION/ EPIDEMIOLOGIC METHODS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ KLINEFELTER'S SYNDROME, complications/ LEARNING DISORDERS, diagnosis/ LEARNING DISORDERS, etiology/ *LEARNING DISORDERS, occurrence/ LEARNING DISORDERS, prevention & control/ MALE/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, complications/ SOCIAL ENVIRONMENT/ SOCIOECONOMIC FACTORS/ TURNER'S SYNDROME, complications
3834. Wang VB, Frieden E: Changes in cathepsin C activity during spontaneous and induced metamorphoses of the hulfrog. Gen Comp Endocrinol 21:381-9, Oct 73 ANIMAL EXPERIMENTS/ *CATHEPSIN, metabolism/ FROGS/ *GILLS, enzymology/ KIDNEY, enzymology/ LIVER, enzymology/ LUNG, enzymology/ *METAMORPHOSIS, BIOLOGICAL/ *RANA CATESBEIANA/ TAIL, enzymology/ TIME FACTORS/ TRIIODOTHYRONINE, pharmacodynamics
3835. Wara DW, Reiter EO, Ammann AJ, et al: Letter: T-cell rosettes in thyrotoxic Grave's disease. N Engl J Med 289:1145-6, 22 Nov 73 ADOLESCENCE/ FEMALE/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/

AUTHOR SECTION

- *HYPERTHYROIDISM, immunology/ *IMMUNE ADHERENCE REACTION
3836. Warburton D, Bluming A: A "Philadelphia-like" chromosome derived from the Y in a patient with refractory dysplastic anemia. *Blood* 42:799-804, Nov 73
AGED/ *ANEMIA, APLASTIC, familial & genetic/ ANEMIA, APLASTIC, therapy/ BLOOD TRANSFUSION/ BONE MARROW EXAMINATION/ *CHROMOSOME ABERRATIONS/ HUMAN/ KARYOTYPING/ MALE/ MICROSCOPY, FLUORESCENCE/ *SEX CHROMOSOMES/ TISSUE CULTURE
3837. Ward DN, Relchert LE Jr, Liu WK, et al: Chemical studies of luteinizing hormone from human and ovine pituitaries. *Recent Prog Horm Res* 29:533-61, 1973
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ COUNTERCURRENT DISTRIBUTION/ DISULFIDES, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ *LH, analysis/ MODELS, STRUCTURAL/ PEPTIDE FRAGMENTS, analysis/ *PITUITARY GLAND, analysis/ PROTEIN CONFORMATION/ SHEEP/ SODIUM DODECYL SULFATE/ SPECIES SPECIFICITY
3838. Ward GM: Development of a Pasteurella-free rabbit colony. *Lab Anim Sci* 23:671-4, Oct 73
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ FEMALE/ FERTILIZATION/ HEMAGGLUTINATION TESTS/ HOUSING, ANIMAL/ INSEMINATION, ARTIFICIAL/ LAPAROTOMY/ LH, pharmacodynamics/ MALE/ NASAL MUCOSA, microbiology/ OVULATION, drug effects/ OVUM, transplantation/ PASTEURILLA, isolation & purification/ PASTEURILLA INFECTIONS, immunology/ PASTEURILLA INFECTIONS, prevention & control/ *PASTEURILLA INFECTIONS, veterinary/ PREGNANCY/ RABBITS/ TRANSPLANTATION, HOMOLOGOUS
3839. Wardle EN: Studies of animal models of "toxaemia" with respect of fibrinogen and platelet survival and selectivity of proteinuria. *Angiologica* 10:173-81, 1973
ALBUMINS, metabolism/ ALPHA GLOBULIN, metabolism/ ANIMAL EXPERIMENTS/ BLOOD COAGULATION/ *BLOOD PLATELETS, physiology/ CELL SURVIVAL/ DESOXYCORTICOSTERONE/ DISEASE MODELS, ANIMAL/ DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ FEMALE/ *FIBRINOGEN, metabolism/ HALF-LIFE/ HYPERTENSION, blood/ HYPERTENSION, chemically induced/ KIDNEY CORTEX NECROSIS, chemically induced/ KIDNEY CORTEX NECROSIS, metabolism/ KIDNEY GLOMERULUS, metabolism/ METHIONINE/ PREGNANCY/ *PREGNANCY TOXEMIAS, blood/ PROTEINURIA, etiology/ *PROTEINURIA, metabolism/ RABBITS/ RADIOISOTOPES/ RATS/ SELENIUM/ TIME FACTORS/ VASOCONSTRICTOR AGENTS
3840. Warin AP: Acute scleroderma (morphoea) with myositis. *Proc R Soc Med* 66:621-3, Jul 73
ADOLESCENCE/ HUMAN/ MALE/ *MYOSITIS, complications/ MYOSITIS, drug therapy/ PREDNISOLONE, therapeutic use/ *SCLERODERMA, CIRCUMSCRIBED, complications/ SCLERODERMA, CIRCUMSCRIBED, drug therapy
3841. Warin AP: Eczéma craquelé as the presenting feature of myxoedema. *Br J Dermatol* 89:289-91, Sep 73
AGED/ BECLOMETHASONE, therapeutic use/ *ECZEMA, etiology/ ECZEMA, pathology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYXEDEMA, complications/ THYROXINE, therapeutic use
3842. Waris T, Rechardt L, Waris P: Differentiation of neuroblastoma cells induced by nerve growth factor in vitro. *Experientia* 29:1128-9, 15 Sep 73
AXONS/ *CELL DIFFERENTIATION, drug effects/ CELLS, CULTURED/ CHILD,
- PRESCHOOL/ FEMALE/ HUMAN/ MICROSCOPY, PHASE CONTRAST/ *NERVE GROWTH FACTOR, pharmacodynamics/ *NEUROBLASTOMA, physiotherapy/ TIME FACTORS
3843. Warne GL, Fairley KF, Hobbs JB, et al: Cyclophosphamide-induced ovarian failure. *N Engl J Med* 289:1159-62, 29 Nov 73
ADULT/ *AMENORRHEA, chemically induced/ ARTHRITIS, RHEUMATOID, drug therapy/ BIOPSY/ CREATININE, blood/ CYCLOPHOSPHAMIDE, administration & dosage/ *CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ ESTROGENS, urine/ FEMALE/ GLOMERULONEPHRITIS, drug therapy/ GONADOTROPINS, urine/ HUMAN/ *OVARIAN DISEASES, chemically induced/ OVARIAN DISEASES, pathology/ OVARY, drug effects/ OVARY, pathology/ OVUM/ TIME FACTORS
3844. Warren HS, Ferguson WW, Wangenstein SL: Lysosomal enzyme release in canine endotoxin shock treated with methylprednisolone. *Am Surg* 39:608-18, Nov 73
ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ BLOOD GAS ANALYSIS/ BLOOD PRESSURE/ CARDIAC OUTPUT/ *CATHEPSIN, biosynthesis/ CENTRAL VENOUS PRESSURE/ DOGS/ ENDOTOXINS/ ESCHERICHIA COLI/ *GLUCURONIDASE, biosynthesis/ HEART RATE/ HEMODYNAMICS, drug effects/ HEPATECTOMY/ LIVER, cytology/ *LYSOSOMES, enzymology/ MESENTERIC ARTERIES, physiology/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ REGIONAL BLOOD FLOW/ *SHOCK, ENDOTOXIC, drug therapy/ SHOCK, ENDOTOXIC, etiology/ SHOCK, ENDOTOXIC, physiotherapy/ VASCULAR RESISTANCE
3845. Warrick CK: Some aspects of polyostotic fibrous dysplasia: possible hypothesis to account for the associated endocrinological changes. *Clin Radiol* 24:125-38, Apr 73
ACROMEGALY, complications/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CUSHING'S SYNDROME, complications/ *ENDOCRINE DISEASES, radiography/ FEMALE/ FEMUR, radiography/ *FIBROUS DYSPLASIA OF BONE, radiography/ FIBULA, radiography/ GOITER, EXOPHTHALMIC, complications/ GYNECOMASTIA, complications/ HAND, radiography/ HUMAN/ HYPERTHYROIDISM, complications/ INFANT/ MALE/ MIDDLE AGE/ PARATHYROID DISEASES, complications/ PIGMENTATION DISORDERS/ SARCOMA, complications/ SKULL, radiography/ TIBIA, radiography
3846. Wartman AM, Connor WE: The cholesterol balance and turnover in genetically hypercholesterolemic pigeons: their response to treatment with a hypocholesterolemic drug, cholestane-3beta, 5alpha, 6beta-triol. *J Lab Clin Med* 82:793-808, Nov 73
ANIMAL EXPERIMENTS/ CHICKENS/ *CHOLESTANES, pharmacodynamics/ CHOLESTEROL, biosynthesis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ COMPARATIVE STUDY/ FECES, analysis/ HYPERCHOLESTEREMIA, drug therapy/ MALE/ *PIGEONS, metabolism/ STEROIDS, analysis
3847. Wartofsky L: Low remission after therapy for Graves disease. Possible relation of dietary iodine with antithyroid therapy results. *JAMA* 226:1083-8, 26 Nov 73
ADULT/ DIET/ FEMALE/ *GOITER, EXOPHTHALMIC, drug therapy/ GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ *IODINE, metabolism/ IODINE, urine/ MALE/ *METHIMAZOLE, therapeutic use/ MIDDLE AGE/ *PROPYLTHIOURACIL, therapeutic use

AUTHOR SECTION

- REMISSION/ THYROXINE, blood/ TIME
FACTORS/ TRIODOTHYRONINE, blood
8. Warwick RO, Blake DE, Miya TS, et al: Serotonin involvement in thermoregulation following administration of morphine to nontolerant and morphine-tolerant rats.
Res Commun Chem Pathol Pharmacol 6:19-32, Jul 73
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ *BODY TEMPERATURE REGULATION, drug effects/ DRUG TOLERANCE/ MALE/ MORPHINE, antagonists & inhibitors/ *MORPHINE, pharmacodynamics/ RATS/ *SEROTONIN, physiology/ TIME FACTORS
9. Wasnich RD, Grumet FC, Payne RO, et al: Graves' ophthalmopathy following external neck irradiation for nonthyroidal neoplastic disease.
J Clin Endocrinol Metab 37:703-13, Nov 73
ADULT/ ANTIBODIES, analysis/ BREAST NEOPLASMS, radiotherapy/ FEMALE/ GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, EXOPHTHALMIC, etiology/ GOITER, EXOPHTHALMIC, immunology/ HISTOCOMPATIBILITY ANTIGENS, analysis/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LARYNGEAL NEOPLASMS, radiotherapy/ LONG-ACTING THYROID STIMULATOR, blood/ MALE/ MIDDLE AGE/ NASOPHARYNGEAL NEOPLASMS, radiotherapy/ *RADIOTHERAPY, adverse effects/ *THYROID GLAND, radiation effects
10. Wassermann D, Wassermann M, Cucos S, et al: Function of adrenal gland-zona fasciculata in rats receiving polychlorinated biphenyls.
Environ Res 6:334-8, Sep 73
ADIPOSE TISSUE, analysis/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, blood/ DDT, analysis/ DEPRESSION, CHEMICAL/ DIELDRIN, analysis/ EPIDIDYIMIS, analysis/ FLUOROMETRY/ INSECTICIDES, ORGANOCHLORINE, metabolism/ MALE/ METABOLIC CLEARANCE RATE/ POLYCHLOROBIPHENYL COMPOUNDS, metabolism/ *POLYCHLOROBIPHENYL COMPOUNDS, pharmacodynamics/ RATS
11. Wasserthell-Smoller S, Arnold CB, Lerner RC, et al: Contraceptive practices of wives of obstetricians.
Am J Obstet Gynecol 117:709-15, 1 Nov 73
ADULT/ AGE FACTORS/ ATTITUDE OF HEALTH PERSONNEL/ ATTITUDE TO HEALTH/ CATHOLICISM/ COMPARATIVE STUDY/ COMPUTERS/ *CONTRACEPTION/ CONTRACEPTIVE AGENTS/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ *FAMILY/ FAMILY CHARACTERISTICS/ FEMALE/ GEOGRAPHY/ HUMAN/ INTRAUTERINE DEVICES/ JUDAISM/ MIDDLE AGE/ NEW YORK/ *OBSTETRICS/ QUESTIONNAIRES/ STATISTICS/ STERILIZATION, TUBAL/ VASECTOMY
12. Watanabe H: Role of the ophthalmologist in diagnosing brain tumor. South Med J 66:1101-7, Oct 73
ADENOMA, diagnosis/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, surgery/ CAROTID ARTERY DISEASES, radiography/ CEREBELLAR NEOPLASMS, diagnosis/ CEREBRAL ANEURYSM, radiography/ *EYE MANIFESTATIONS/ HUMAN/ NEUROLOGIC MANIFESTATIONS/ OPHTHALMIA/ OPTIC CHIASM/ PERIPHERAL NERVE NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ VISUAL FIELDS
13. Watanabe H, Orth DN, Toft DO: Glucocorticoid receptors in pituitary tumor cells. I. Cytosol receptors. J Biol Chem 248:7625-30, 25 Nov 73
ALDOSTERONE, pharmacodynamics/ BINDING, COMPETITIVE/ BINDING SITES/ CHARCOAL/ CLONE CELLS/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, biosynthesis/ *CYTOSOL, metabolism/ DEOXYRIBONUCLEASE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ *GLUCOCORTICOIDS, metabolism/ GLUCOCORTICOIDS, pharmacodynamics/ HEAT/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ MICE/ *PITUITARY NEOPLASMS, metabolism/ PROGESTERONE, pharmacodynamics/ PRONASE, pharmacodynamics/ *RECEPTORS, HORMONE/ RIBONUCLEASE, pharmacodynamics/ *TRIAMCINOLONE ACETONIDE, metabolism/ TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRITIUM
3854. Watanabe T, Simada Z: Pharmacological properties of cat's collicular auditory neurons.
Jap J Physiol 23:291-308, Jun 73
ACETYLCHOLINE, pharmacodynamics/ ALKALOIDS, pharmacodynamics/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, pharmacodynamics/ ATROPINE, pharmacodynamics/ AUDITORY PATHWAYS, cytology/ *AUDITORY PATHWAYS, drug effects/ CATS/ CURARE-LIKE AGENTS, pharmacodynamics/ DEPRESSION, CHEMICAL/ GLUTAMATES, pharmacodynamics/ GLYCINE, pharmacodynamics/ INDOLES, pharmacodynamics/ INFERIOR COLLICULUS, cytology/ *INFERIOR COLLICULUS, drug effects/ NEURONS, drug effects/ PHYSOSTIGMINE, pharmacodynamics/ PICROTOXIN, pharmacodynamics/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ STRYCHNINE, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics/ TUBOCURARINE, pharmacodynamics
3855. Watkins WB: The isolation and biochemical characterization of three neurophysins of the sheep.
J Endocrinol 59:17-29, Oct 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HISTIDINE, analysis/ METHIONINE, analysis/ MOLECULAR WEIGHT/ *NEUROPHYSINS, isolation & purification/ OXYTOCIN/ PITUITARY GLAND, POSTERIOR, analysis/ PROTEIN BINDING/ *SHEEP/ VASOPRESSIN
3856. Watkins WB, Ellis HK: The designation of the major guinea-pig neural lobe protein as a neurophysin.
J Endocrinol 59:31-41, Oct 73
ANIMAL EXPERIMENTS/ ANTIGENS/ BIOLOGICAL ASSAY/ CROSS REACTIONS/ CYSTEINE, metabolism/ CYSTINE, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL DIFFUSION TESTS/ GLUTAMINE, analysis/ GLYCINE, analysis/ GUINEA PIGS/ HISTIDINE, analysis/ ISOLEUCINE, analysis/ LYSINE, analysis/ MALE/ METHIONINE, analysis/ MOLECULAR WEIGHT/ *NEUROPHYSINS, analysis/ *PITUITARY GLAND, POSTERIOR, analysis/ SULFUR RADIOISOTOPES/ TYROSINE, analysis
3857. Watson AD, Forges WL, Huxtable CR, et al: Pansteatitis in a cat. Aust Vet J 49:388-92, Aug 73
ADIPOSE TISSUE, pathology/ ANIMAL EXPERIMENTS/ AUTOPSY, veterinary/ BETAMETHASONE, therapeutic use/ BIOPSY, veterinary/ BLOOD CELL COUNT/ CAT DISEASES, blood/ CAT DISEASES, drug therapy/ *CAT DISEASES, pathology/ CATS/ KIDNEY, pathology/ LIVER, pathology/ MALE/ PREDNISOLONE, therapeutic use/ STEATITIS, blood/ STEATITIS, drug therapy/ *STEATITIS, pathology/ VITAMIN E, therapeutic use
3858. Watters EC, Hiles DA, Johnson BL: Cloverleaf skull syndrome. Am J Ophthalmol 76:718-20, Nov 73
*ABNORMALITIES, MULTIPLE/ ANKYLOSIS, etiology/ ELBOW, abnormalities/ EXOPHTHALMOS, complications/ EYE, abnormalities/ FEMALE/ FOREARM,

AUTHOR SECTION

- abnormalities/ HUMAN/ *HYDROCEPHALUS, complications/ INFANT, NEWBORN/ *SKULL, abnormalities/ SYNDROME
3859. Watts DM, Pantuwatana S, DeFoliant GR, et al: Transovarial transmission of LaCrosse virus (California encephalitis group) in the mosquito, *Aedes triseriatus*. *Science* 182:1140-1, 14 Dec 73
*AEDES/ AEDES, growth & development/ ANIMAL EXPERIMENTS/ *ENCEPHALITIS VIRUSES, isolation & purification/ FEEDING BEHAVIOR/ FEMALE/ *INSECT VECTORS/ LARVA/ MICE/ *OVARY, microbiology/ OVUM, microbiology/ RODENTS
3860. Wawryk R, Samochowiec E, Dudkiewicz J: Wartość oznaczania gonadotropiny kosmówkowej (HCG) metodą serologiczną dla rozpoznawania i oceny leczenia kosmówczaka.
Ginekol Pol 44:1057-65, 1973 (Pol)
ADULT/ CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, drug therapy/ *CHORIOCARCINOMA, urine/ ENGLISH ABSTRACT/ FEMALE/ *FOLLOW-UP STUDIES/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS
3861. Way ED: Letter: No bones. *Lancet* 2:1025, 3 Nov 73
ANIMAL EXPERIMENTS/ BONE DEVELOPMENT/ CALCIFICATION, PHYSIOLOGIC/ CALCITONIN, physiology/ *EVOLUTION/ *FISHES
3862. Webb DR, Stites DP, Fudenberg HH: Effects of cyclic AMP and theophylline on mitogen-induced RNA synthesis in human peripheral blood lymphocytes. *Immunol Commun* 2:353-60, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELLS, CULTURED/ CONCANAVALIN A, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ *MITOGENS/ PLANT AGGLUTININS, pharmacodynamics/ RADIOISOTOPES/ *RNA, biosynthesis/ *THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ URIDINE, metabolism
3863. Weber G, Dausch B: Systemic candidiasis-symptomatology and cause. *Australas J Dermatol* 14:11-20, Apr 73
*ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ *ANTIBIOTICS, adverse effects/ FEMALE/ HUMAN/ *LUNG DISEASES, FUNGAL, etiology/ MALE/ MIDDLE AGE/ *MONILIASIS, etiology/ *SEPTICEMIA, etiology
3864. Weber MA, Thornell IR, Stokes GS: Effect of hemorrhage with and without fluid replacement on plasma renin activity. *Am J Physiol* 225:1161-4, Nov 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ HEART RATE/ *HEMORRHAGE, enzymology/ HEMORRHAGE, physiology/ MALE/ *PLASMA SUBSTITUTES, pharmacodynamics/ POTASSIUM, blood/ RABBITS/ *RENIN, blood/ SODIUM, blood
3865. Webster JB, Coupal JJ, Cushman P Jr: Increased serum thyroxine levels in euthyroid narcotic addicts. *J Clin Endocrinol Metab* 37:928-34, Dec 73
ADULT/ DISTRICT OF COLUMBIA/ *DRUG ADDICTION, blood/ DRUG ADDICTION, drug therapy/ FEMALE/ HEROIN ADDICTION, blood/ HUMAN/ MALE/ METHADONE/ METHADONE, therapeutic use/ NEW YORK CITY/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, blood
3866. Weibbenbacher G, Washüttl J, Gemelner M: Klinische Anwendung einer semiquantitativen dünnstichtchromatographischen Vitamin-D-Bestimmung im Blut.
Wien Klin Wochenschr 85:809-11, 7 Dec 73 (Ger)
BIOLOGICAL ASSAY/ CALCIUM, blood/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/
- DWARFISM, blood/ ENGLISH ABSTRACT/ EPILEPSY, blood/ FEMALE/ HEART DEFECTS, CONGENITAL, blood/ HUMAN/ HYDROCEPHALUS, blood/ INFANT/ MALE/ OSTEOPOROSIS, blood/ PHOSPHATASES, blood/ PHOSPHORUS, blood/ RENAL OSTEODYSTROPHY, blood/ RICKETS, blood, *VITAMIN D, blood
3867. Weidmann H: Animal studies with topical steroid Acta Derm Venereol [Suppl] (Stockh) 53:25-7, 1973
ANIMAL EXPERIMENTS/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SCREENING/ FEMALE/ FETUS, drug effects/ GLUCOCORTICOIDS, TOPICAL, administration & dosage/ *GLUCOCORTICOIDS, TOPICAL, toxicity/ KETOSTEROIDS, administration & dosage/ LETHAL DOSE 50/ MATERNAL-FETAL EXCHANGE/ METHODS/ MICE/ PREGNADIENEDIOLS, administration & dosage/ *PREGNADIENEDIOLS, toxicity/ PREGNANCY/ RABBITS/ RATS/ SKIN ABSORPTION/ STEROIDS, CHLORINATED, administration & dosage/ STEROIDS, CHLORINATED, toxicity/ STEROIDS, FLUORINATED, administration & dosage/ STEROIDS, FLUORINATED, toxicity/ TIME FACTORS
3868. Weidmann P, Horton R, Maxwell MH, et al: Dynamic studies of aldosterone in anephric man. *Kidney Int* 4:289-98, Oct 73
ADULT/ ALDOSTERONE, blood/ *ALDOSTERONE, metabolism/ ANGIOTENSIN, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BODY WEIGHT/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL FEMALE/ HEMODIALYSIS/ HUMAN/ HYDROCORTISONE, blood/ KIDNEY, physiology/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ NEPHRECTOMY/ POSTURE/ POTASSIUM, blood/ POTASSIUM, pharmacodynamics/ POTASSIUM, physiology/ RENIN, blood/ SECRETORY RATE/ SODIUM, blood/ TIME FACTORS
3869. Well MH, Shubin H: Treatment of shock caused by bacterial infections. *West J Med* 119:7-13, Nov 73
ANTIBIOTICS, therapeutic use/ *BACTERIAL INFECTIONS, drug therapy/ BICARBONATES, therapeutic use/ GLUCOCORTICOIDS, therapeutic use/ GRAM NEGATIVE BACTERIA/ HEPARIN, therapeutic use/ HUMAN/ ISOPROTERENOL, therapeutic use/ METARAMINOL, therapeutic use/ PHENTOLAMINE, therapeutic use/ PLASMA SUBSTITUTES, therapeutic use/ SEPTICEMIA, drug therapy/ *SHOCK, ENDOTOXIC, drug therapy
3870. Weinbaum G, Burger MM: Two component system for surface guided reassociation of animal cells. *Nature* 244:510-2, 24 Aug 73
BINDING SITES/ CALCIUM, metabolism/ *CELL AGGREGATION/ CELL-FREE SYSTEM CELL MEMBRANE, metabolism/ CHROMATOGRAPHY, AFFINITY/ *GLYCOPROTEINS, metabolism/ MACROMOLECULAR SYSTEMS/ MODELS, BIOLOGICAL/ POLYSACCHARIDES/ *PORIFERA/ PROTEIN BINDING
3871. Weinberg H, Finsterbush, Rosenmann E: Experimental pulmonary fat embolism produced by blunt trauma to bone. *Isr J Med Sci* 9:1048-51, Aug 73
ANIMAL EXPERIMENTS/ BIOPSY/ *BONE AND BONES, injuries/ DOGS/ *EMBOLISM, FAT, etiology/ FRACTURES, CLOSED, complications/ FRACTURES, OPEN, complications/ LUNG, pathology/ MANOMETRY/ *PULMONARY EMBOLISM, etiology
3872. Weiner M: Preliminary characterization of an inhibitor of drug metabolism released in response to cyclic adenosine nucleotides.
Res Commun Chem Pathol Pharmacol 6:551-64, Sep 73
*ADENOSINE CYCLIC 3',5'

AUTHOR SECTION

- MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/
*BIOTRANSFORMATION, drug effects/
CYTOSOL, metabolism/ *DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ GEL FILTRATION/
HEAT/ IN VITRO/ LIVER, cytology/ LIVER,
drug effects/ *LIVER, metabolism/ MALE/
MICROSOMES, LIVER, metabolism/
MOLECULAR WEIGHT/ NADP, metabolism/
RATS/ TIME FACTORS
73. Weinstein P, Ahl O, Anda L: Antikonzepiva und
Glaukom.
Klin Monatsbl Augenheilkd 162:798-800, Jun 73 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, adverse
effects/ ENGLISH ABSTRACT/ FEMALE/
*GLAUCOMA, chemically induced/
GLAUCOMA, familial & genetic/ HUMAN/
HYDROCORTISONE, blood/
HYDROCORTISONE, urine/ MENSTRUATION/
PEDIGREE
74. Weintraub BD, Rosen SW: Ectopic production of the
isolated beta subunit of human chorionic
gonadotropin. J Clin Invest 52:335-42, Dec 73
*ADENOCARCINOMA, metabolism/ AGED/
*CARCINOMA, EPIDERMAL, metabolism/
*GONADOTROPINS, CHORIONIC, biosynthesis/
GONADOTROPINS, CHORIONIC, blood/
GONADOTROPINS, CHORIONIC, isolation &
purification/ *HORMONES, ECTOPIC,
biosynthesis/ HUMAN/ MALE/ *PANCREATIC
NEOPLASMS, metabolism/ PROTEINS,
analysis/ RADIOIMMUNOASSAY
75. Weintraub H, Vincent F, Baulieu EE, et al: Molecular
weight determination and structural studies of
Pseudomonas testosterone delta 5 leads to
4-3-oxosteroid isomerase (EC 5.3.3.1).
FEBS Lett 37:82-8, 15 Nov 73
CENTRIFUGATION, DENSITY GRADIENT/
ELECTROPHORESIS, STARCH GEL/ GEL
FILTRATION/ ISOELECTRIC FOCUSING/
*ISOMERASES, analysis/ KETOSTEROIDS/
MOLECULAR WEIGHT/ *PSEUDOMONAS,
enzymology/ SPECTROPHOTOMETRY
76. Weippl G: Aplastische Anämie durch isolierte
Knochenmarkretikuloze im Kindesalter.
Klin Paediatr 185:326-31, Jul 73 (Ger)
ANABOLIC STEROIDS, therapeutic use/
ANEMIA, APLASTIC, drug therapy/
*ANEMIA, APLASTIC, etiology/ *BONE
MARROW DISEASES, complications/ BONE
MARROW EXAMINATION/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ INFANT/
PREDNISONE, therapeutic use/
*RETICULOENDOTHELIOSIS, complications/
VINCISTINE, therapeutic use
77. Welss GM, Dekker TF, Putten G van, et al: Association
of blood and bone composition and postmortem
muscle changes to leg weakness in Dutch Landrace
swine. J Anim Sci 37:974-8, Oct 73
ALKALINE PHOSPHATASE, blood/ ANIMAL
EXPERIMENTS/ BLOOD PROTEINS, analysis/
*BONE AND BONES, analysis/ BONE
DISEASES, metabolism/ *BONE DISEASES,
veterinary/ CALCIUM, analysis/ CALCIUM,
blood/ *EXTREMITIES/ FEMALE/ MALE/
*MUSCLES, analysis/ PHOSPHORUS, analysis/
PHOSPHORUS, blood/ SWINE/ *SWINE
DISEASES, metabolism
78. Welss HJ, Rogers J, Brand H: Defective
ristocetin-induced platelet aggregation in von
Willebrand's disease and its correction by factor VIII.
J Clin Invest 52:2697-707, Nov 73
ADENOSINE, pharmacodynamics/ ADENOSINE
DIPHOSPHATE, analysis/ ADENOSINE
DIPHOSPHATE, pharmacodynamics/
ANTIBODIES/ BLOOD COAGULATION TESTS/
BLOOD PLATELET DISORDERS, blood/
BLOOD PLATELETS, drug effects/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY/
COLLAGEN, pharmacodynamics/ CYANIDES,
pharmacodynamics/ EDTA, pharmacodynamics/
FACTOR VIII, analysis/ *FACTOR VIII,
pharmacodynamics/ FEMALE/ GLUCOSE,
pharmacodynamics/ HEMOPHILIA, blood/
HEPARIN, pharmacodynamics/ HUMAN/ IN
VITRO/ MALE/ *PLATELET ADHESIVENESS,
drug effects/ PURPURA, THROMBOPENIC,
blood/ *RISTOCETIN, pharmacodynamics/
SEROTONIN, analysis/ *VON WILLEBRAND'S
DISEASE, blood
3879. Welss JJ, Thompson GR, Woodbury D:
Hyperthyroidism presenting as acute shoulder pain.
Mich Med 72:771-4, Nov 73
ADULT/ DIAGNOSIS, DIFFERENTIAL/
FEMALE/ HUMAN/ *HYPERTHYROIDISM,
diagnosis/ HYPERTHYROIDISM, drug therapy/
HYPERTHYROIDISM, physiopathology/ MALE/
MIDDLE AGE/ PAIN/ REMISSION/
*SHOULDER
3880. Welss RB: Some medical aspects of breast cancer.
W Va Med J 69:282-6, Oct 73
*BREAST NEOPLASMS, diagnosis/ *BREAST
NEOPLASMS, drug therapy/ BREAST
NEOPLASMS, radiotherapy/ BREAST
NEOPLASMS, surgery/ FEMALE/ HORMONES,
therapeutic use/ HUMAN/ MAMMOGRAPHY/
METHODS/ NEOPLASM RECURRENCE,
LOCAL/ REVIEW
3881. Welssberg D, Goldberg M, Pearson FG: Thymoma.
Ann Thorac Surg 16:141-7, Aug 73
ADULT/ AGED/ FEMALE/ FOLLOW-UP
STUDIES/ HUMAN/ MALE/ MIDDLE AGE/
MYASTHENIA GRAVIS, complications/
MYASTHENIA GRAVIS, mortality/
NEOPLASM METASTASIS/ NEOPLASM
SEEDING/ REMISSION/ *THYMOMA/
THYMOMA, complications/ THYMOMA,
mortality/ THYMOMA, occurrence/
THYMOMA, pathology/ THYMOMA,
radiotherapy/ THYMOMA, surgery/ *THYMUS
NEOPLASMS/ THYMUS NEOPLASMS,
complications/ THYMUS NEOPLASMS,
mortality/ THYMUS NEOPLASMS, occurrence/
THYMUS NEOPLASMS, pathology/ THYMUS
NEOPLASMS, radiotherapy/ THYMUS
NEOPLASMS, surgery
3882. Welch BL: Physiological effects of noise. An overview.
Fed Proc 32:2091-2, Nov 73 (12 ref.)
ACOUSTIC STIMULATION/ ANIMAL
EXPERIMENTS/ AUDITORY CORTEX,
metabolism/ AUDITORY THRESHOLD/ BONE
AND BONES, embryology/ CALCIUM,
metabolism/ FEMALE/ HYPERTENSION,
etiology/ MICE/ *NOISE/ PREGNANCY/
RATS/ REVIEW/ RNA, biosynthesis/ SOUND
3883. Welch KM, Hashi K, Meyer JS: Cerebrovascular
response to intracarotid injection of serotonin before
and after middle cerebral artery occlusion.
J Neurol Neurosurg Psychiatry 36:724-35, Oct 73
ANIMAL EXPERIMENTS/ BABOONS/ BLOOD
PRESSURE/ CARBON DIOXIDE, blood/
CAROTID ARTERY, INTERNAL, drug effects/
CEREBRAL CORTEX, metabolism/
*CEREBRAL ISCHEMIA, TRANSIENT,
metabolism/ CEREBRAL ISCHEMIA,
TRANSIENT, physiopathology/
*CEREBROVASCULAR CIRCULATION, drug
effects/ *COLLATERAL CIRCULATION, drug
effects/ DISEASE MODELS, ANIMAL/
ELECTROENCEPHALOGRAPHY/ MONKEYS/
SEROTONIN, blood/ SEROTONIN, metabolism/
*SEROTONIN, pharmacodynamics/ VASCULAR
RESISTANCE, drug effects/
*VASOCONSTRICTOR AGENTS,
pharmacodynamics
3884. Wellburn AR, Ashby JP, Wellburn FA: Occurrence and
biosynthesis of adenosine 3',5'-cyclic monophosphate
in isolated Avena etioplasts.
Biochim Biophys Acta 320:363-71, 14 Sep 73
ADENINE, metabolism/ *ADENOSINE CYCLIC
3',5' MONOPHOSPHATE, biosynthesis/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE MONOPHOSPHATE,
metabolism/ ADENOSINE TRIPHOSPHATE,
metabolism/ ADRENAL GLANDS/
BIOLOGICAL ASSAY/ CARBON
RADIOISOTOPES/ CATTLE/
CHROMATOGRAPHY, ION EXCHANGE/

AUTHOR SECTION

- CHROMATOGRAPHY, THIN LAYER/
ELECTROPHORESIS, PAPER/ LIGHT/
ORGANOIDS, metabolism/
PHOSPHODIESTERASES/ PLANTS, cytology/
PLANTS, enzymology/ *PLANTS, metabolism/
PROTEIN BINDING/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ TIME FACTORS/ TRITIUM/
ULTRASONICS
3885. Wellmann KF, Adachi M, Volk BW: Pancreatic and hepatic ultrastructure in offspring of rabbits with protein malnutrition.
Virchows Arch. [Patbol Anat] 360:327-37, 1973
ANIMAL EXPERIMENTS/ ATROPHY/
FEMALE/ GLYCOGEN, analysis/ LACTATION/
LIVER, analysis/ LIVER, pathology/
MATERNAL-FETAL EXCHANGE/
MICROSCOPY, ELECTRON/ PANCREAS,
pathology/ *PANCREAS, pathology/
PREGNANCY/ PREGNANCY
COMPLICATIONS/ PROTEIN-CALORIE
MALNUTRITION, pathology/ *PROTEIN
DEFICIENCY, pathology
3886. Wellmann W, Schwabe U: Effects of prostaglandins E1, E2 and F2a on cyclic AMP levels in brain in vivo.
Brain Res 59:371-8, 14 Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ *BRAIN, drug effects/
BRAIN, metabolism/ BRAIN STEM, drug
effects/ CEREBELLUM, metabolism/
CEREBRAL CORTEX, metabolism/
CIRCADIAN RHYTHM/ CORPUS STRIATUM,
drug effects/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ HIPPOCAMPUS, drug
effects/ HYPOTHALAMUS, drug effects/
MALE/ MICE/ PHOSPHODIESTERASES,
metabolism/ PROSTAGLANDINS,
administration & dosage/ *PROSTAGLANDINS,
pharmacodynamics/ RATS/ THALAMUS,
metabolism/ TRITIUM
3887. Wells C: Video recordings of palaeopathology.
Bull NY Acad Med 49:786-92, Sep 73
BONE AND BONES, pathology/ EDUCATION,
MEDICAL/ ENGLAND/ FEMALE/ HUMAN/
*PALEOPATHOLOGY/ SPINE, pathology/
TOOTH DISEASES, pathology/ *VIDEOTAPE
RECORDING
3888. Wells RS: Chronic mucocutaneous candidiasis: a clinical classification. Proc R Soc Med 66:801-2, Aug 73
ABNORMALITIES, MULTIPLE, complications/
ADRENAL GLAND HYPOFUNCTION,
complications/ ADULT/
AGAMMAGLOBULINEMIA, complications/
CHILD/ CHRONIC DISEASE/ FEMALE/
GRANULOMA/ HUMAN/
HYPOPARATHYROIDISM, complications/
INFANT/ MALE/ MIDDLE AGE/
*MONILIASIS, classification/ MONILIASIS,
etiology/ MONILIASIS, familial & genetic/
MONILIASIS, ORAL, etiology/ PARATHYROID
GLANDS, abnormalities/ SYNDROME/
THYMOMA, complications/ THYMUS GLAND,
abnormalities
3889. Wells SA Jr, Doppman JL, Bilezikian JP, et al: Repeated neck exploration in primary hyperparathyroidism: localization of abnormal glands by selective thyroid arteriography, selective venous sampling, and radioimmunoassay. Surgery 74:678-86, Nov 73
ADENOMA, diagnosis/ ADULT/ AGED/
*ANGIOGRAPHY/ ARTERIES/ DRAINAGE/
FEMALE/ FEMORAL VEIN/ HUMAN/
*HYPERPARATHYROIDISM, surgery/
HYPERPLASIA, diagnosis/ INNOMINATE
VEIN/ IODINE RADIOISOTOPES/ JUGULAR
VEIN/ MALE/ MIDDLE AGE/ *NECK,
surgery/ PARATHYROID GLANDS,
physiopathology/ PARATHYROID HORMONE,
blood/ PARATHYROID NEOPLASMS,
diagnosis/ PHLEBOGRAPHY/
*RADIOIMMUNOASSAY/ *THYROID GLAND,
blood supply/ VEINS
3890. Welsch CW, Gribler C: Prophylaxis of spontaneously developing mammary carcinoma in C3H-HeJ female mice by suppression of prolactin.
Cancer Res 33:2939-46, Nov 73
ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ BODY WEIGHT,
drug effects/ *ERGOT ALKALOIDS,
therapeutic use/ ESTRUS, drug effects/
FEMALE/ HYPERPLASIA, prevention &
control/ MAMMARY NEOPLASMS,
EXPERIMENTAL, drug therapy/ *MAMMARY
NEOPLASMS, EXPERIMENTAL, prevention
control/ MICE/ MICE, INBRED C3H/ ORGA
WEIGHT/ OVARY, drug effects/
PROLACTIN, secretion/ UTERUS, drug effects
3891. Wentz AC, Burnett LS, Atienza MF, et al: Experience with intra-amniotic prostaglandin F2 alpha for abortion. Am J Obstet Gynecol 117:513-21, 15 Oct 73
*ABORTION, THERAPEUTIC/ ADOLESCENCE/
ADULT/ AMNIOCENTESIS/ AMNION/ CHIL
DIARRHEA, chemically induced/
ENDOMETRITIS, etiology/ FEMALE/ FEVER,
chemically induced/ HUMAN/ INFECTION,
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OXYTOCIN, therapeutic use/ PARITY/
PREGNANCY/ PROSTAGLANDINS,
administration & dosage/ PROSTAGLANDIN
adverse effects/ *PROSTAGLANDINS,
therapeutic use/ TIME FACTORS/ VOMITIN
chemically induced
3892. Wenzel DG, Acosta D: Permeability of lysosomes in mitochondria in cultured rat heart muscle and endothelial cells as affected by vitamin A, chlorpromazine, amphotericin B, and clofibrate. Res Commun Chem Pathol Pharmacol 6:689-700, Sep 73
*AMPHOTERICIN B, pharmacodynamics/
ANIMAL EXPERIMENTS/ CELLS,
CULTURED/ *CHLORPROMAZINE,
pharmacodynamics/ *CLOFIBRATE,
pharmacodynamics/ COMPARATIVE STUDY/
*ENDOTHELIUM, drug effects/ FEEDBACK/
*HEART, drug effects/ HYDROCORTISONE,
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drug effects/ MITOCHONDRIA, MUSCLE,
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OSMOTIC FRAGILITY/ PERMEABILITY/
RATS/ STAINS AND STAINING/ SUCCINATE
DEHYDROGENASE, analysis/ TIME FACTOR
*VITAMIN A, pharmacodynamics
3893. Werthelmer L: Non-invasive techniques in the diagnosis and management of acute cardiac problems. Med Clin North Am 57:1491-501, Nov 73 (18 re)
ACUTE DISEASE/ ADULT/ AGED/
ARRHYTHMIA, diagnosis/ BLOOD PRESSURE
DETERMINATION/ CAROTID ARTERIES/
CIRCADIAN RHYTHM/
ELECTROCARDIOGRAPHY/ FEMALE/
FEMORAL ARTERY/ HEART,
physiopathology/ HEART AUSCULTATION/
*HEART DISEASES, diagnosis/ HEART
DISEASES, physiopathology/ HEART
DISEASES, therapy/ HEART FAILURE,
CONGESTIVE, diagnosis/ *HEART FUNCTION
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diagnosis/ MALE/ METHODS/ MIDDLE AGE
*MONITORING SYSTEMS/ MYOCARDIAL
INFARCT, diagnosis/ PHONOCARDIOGRAPHY
PULSE/ REVIEW/ TIME/ TIME FACTORS/
ULTRASONICS
3894. Werve G van de, Berghe G van den, Hers HG: Simplified procedure for the assay of 3':5'-cyclic AMP by the activation of liver phosphorylase. Arch Int Physiol Biochim 81:599, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY, ION
EXCHANGE/ ENZYME ACTIVATION/
*GLYCOGEN PHOSPHORYLASE, metabolism/
LIVER, drug effects/ *LIVER, enzymology/
METHODS/ MICE/ RATS
3895. West RR, Salyer WR, Hutchins GM: Adult-onset primary oxalosis with complete heart block. Johns Hopkins Med J 133:195-200, Oct 73
ADULT/ BLOOD UREA NITROGEN/ BONE
AND BONES, analysis/ FEMALE/ *HEART
BLOCK, etiology/ HEART CONDUCTION

AUTHOR SECTION

- SYSTEM, analysis/ HEART FAILURE, CONGESTIVE, etiology/ HEMODIALYSIS/ HUMAN/ KIDNEY, pathology/ KIDNEY CALCULI, etiology/ KIDNEY FAILURE, CHRONIC, etiology/ *METABOLISM, INBORN ERRORS, complications/ MYOCARDIAL DISEASES, SECONDARY, etiology/ MYOCARDIUM, analysis/ NEPHRECTOMY/ OXALATES, analysis/ *OXALATES, metabolism/ OXALATES, urine/ PANCREAS, analysis/ THYROID GLAND, analysis
96. Westfal I, Trojanek S, Mlynarczyk W: Przerzut nabłonka kosmówkowego do płuca, rozpoznany metodą biopsji igłowej przezskórnej. Pol Tyg Lek 28:1279-80, 13 Aug 73 (Pol) ADULT/ BIOPSY, NEEDLE/ *CHORIOCARCINOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, pathology/ NEOPLASM METASTASIS
97. Westhues M: Operative Behandlung der Adduktorenlähmung (Medianverlagerung. Z Laryngol Rhinol Otol 52:640-5, Sep 73 (Ger) ENGLISH ABSTRACT/ HUMAN/ INJECTIONS/ LARYNGEAL CARTILAGES, surgery/ METHODS/ OILS, administration & dosage/ OILS, therapeutic use/ POLYTETRAFLUOROETHYLENE, administration & dosage/ POLYTETRAFLUOROETHYLENE, therapeutic use/ SILICONES, administration & dosage/ SILICONES, therapeutic use/ THYROIDECTOMY/ VOCAL CORD PARALYSIS, drug therapy/ *VOCAL CORD PARALYSIS, surgery
98. Wexler BC: Protective effects of propranolol on isoproterenol-induced myocardial infarction in arteriosclerotic and non-arteriosclerotic rats. Atherosclerosis 18:11-42, Jul-Aug 73 ADRENAL GLANDS, pathology/ ALANINE AMINOTRANSFERASE, blood/ ANIMAL EXPERIMENTS/ *ARTERIOSCLEROSIS, complications/ ASPARTATE AMINOTRANSFERASE, blood/ AUTOANALYSIS/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CHOLESTEROL, blood/ CREATINE KINASE, blood/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HEART, pathology/ ISLANDS OF LANGERHANS, pathology/ *ISOPROTERENOL/ KIDNEY, pathology/ LACTATE DEHYDROGENASE, blood/ MALE/ *MYOCARDIAL INFARCT, chemically induced/ *PROPRANOLOL, pharmacodynamics/ RATS/ THYMUS GLAND, pathology/ TRIGLYCERIDES, blood
99. Whalen JP, O'Donohue N, Krook L, et al: Pathogenesis of abnormal remodeling of bones: effects of yellow phosphorus in the growing rat. Anat Rec 177:15-22, Sep 73 ANIMAL EXPERIMENTS/ *BONE AND BONES, drug effects/ BONE DEVELOPMENT, drug effects/ BONE RESORPTION, chemically induced/ *BONE RESORPTION, drug effects/ DENSITOMETRY, X-RAY/ *OSTEOCLASTS, drug effects/ *PHOSPHORUS, poisoning/ RATS/ TIBIA, cytology/ TIBIA, drug effects/ *TIBIA, growth & development/ TIME FACTORS
00. Whanger PD: Sulfur in ruminant nutrition. World Rev Nutr Diet 15:225-55, 1972 (147 ref.) ANIMAL EXPERIMENTS/ *ANIMAL NUTRITION/ CALCIUM, metabolism/ CATTLE/ CELLULOSE, metabolism/ COPPER, metabolism/ CYSTEINE, biosynthesis/ CYSTINE, biosynthesis/ METHIONINE, biosynthesis/ MILK/ MOLYBDENUM, metabolism/ PHOSPHORUS, metabolism/ REVIEW/ RIBOFLAVIN, biosynthesis/ *RUMEN, metabolism/ SELENIUM, metabolism/ SHEEP/ STARCH, metabolism/ SULFATES, metabolism/ *SULFUR/ SULFUR, metabolism/ SULFUR RADIOISOTOPES/ VITAMIN B 12, biosynthesis/ WOOL, analysis/ ZINC, metabolism
3901. Whissell-Buechy D, Amore JE: Letter: Odour-blindness to musk: simple recessive inheritance. Nature 245:157-8, 21 Sep 73 ADOLESCENCE/ ADULT/ AGE FACTORS/ ANDROGENS, physiology/ *ANOSMIA, familial & genetic/ CHILD/ CHILD, PRESCHOOL/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ESTROGENS, physiology/ FEMALE/ HUMAN/ *LACTONES/ MALE/ MENSTRUATION/ *PHEROMONES/ PUBERTY/ SEX FACTORS
3902. Whitaker S, LaBella FS: Cholinesterase in the posterior and intermediate lobes of the pituitary. Species differences as determined by light and electron microscopic histochemistry. Z Zellforsch Mikrosk Anat 142:69-88, 27 Aug 73 ACETYLCHOLINESTERASE, analysis/ ANIMAL EXPERIMENTS/ CATS/ CATTLE/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ *CHOLINESTERASE, analysis/ COMPARATIVE STUDY/ EXTRACELLULAR SPACE/ HISTOCYTOCHEMISTRY/ INTERCELLULAR JUNCTIONS/ MICROSCOPY/ MICROSCOPY, ELECTRON/ NEUROGLIA, cytology/ NEURONS, cytology/ NEUROSECRETION/ *PITUITARY GLAND, analysis/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, POSTERIOR, analysis/ PITUITARY GLAND, POSTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, secretion/ RABBITS/ RATS/ SPECIES SPECIFICITY
3903. White JJ, Shaker IJ, O KS, et al: Herniography: a diagnostic refinement in the management of cryptorchidism. Am Surg 39:624-9, Nov 73 ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CONTRAST MEDIA, administration & dosage/ CRYPTORCHISM, complications/ CRYPTORCHISM, diagnosis/ *CRYPTORCHISM, radiography/ CRYPTORCHISM, surgery/ HUMAN/ INGUINAL HERNIA, radiography/ MALE/ METHODS/ PERITONEAL CAVITY, radiography/ UROLOGIC DISEASES, complications
3904. White KC: Ovarian tumors in pregnancy. A private hospital ten year survey. Trans Pac Coast Obstet Gynecol Soc 40:104-10, 1973 ADOLESCENCE/ ADULT/ CORPUS LUTEUM CYST, surgery/ CYSTADENOMA, surgery/ CYSTADENOMA, MUCINOUS, surgery/ DERMOID CYST, surgery/ FEMALE/ FIBROMA, surgery/ GESTATIONAL AGE/ HUMAN/ *OVARIAN CYSTS, surgery/ *OVARIAN NEOPLASMS, surgery/ PREGNANCY/ *PREGNANCY COMPLICATIONS, surgery
3905. White RH: Quartan malarial nephrotic syndrome. Nephron 11:147-62, 1973 ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AFRICA/ ANTIBODIES, analysis/ BASEMENT MEMBRANE/ CAPILLARIES, pathology/ CHILD/ COMPARATIVE STUDY/ EDEMA, etiology/ ENGLAND/ FEMALE/ GLOMERULONEPHRITIS, pathology/ HEMATURIA, etiology/ HUMAN/ HYPOPROTEINEMIA, etiology/ KIDNEY GLOMERULUS, pathology/ *MALARIA, complications/ MALARIA, immunology/ MALE/ NEPHROTIC SYNDROME, complications/ NEPHROTIC SYNDROME, drug therapy/ *NEPHROTIC SYNDROME, etiology/ NEPHROTIC SYNDROME, immunology/ *PLASMODIUM MALARIAE/ PROTEINURIA, etiology/ SERUM ALBUMIN, analysis
3906. Whitehouse JM: Circulating antibodies in human malignant disease. Br J Cancer 170-4, Aug 73 ADENOCARCINOMA, immunology/ *ANTIBODIES, NEOPLASM, analysis/ BREAST NEOPLASMS, immunology/ BRONCHIAL NEOPLASMS, immunology/ CROSS REACTIONS/ FETUS/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ LUNG, immunology/ MELANOMA, immunology/ MICROTUBULES, immunology/ MUSCLE, SMOOTH, immunology/ NEUROBLASTOMA,

AUTHOR SECTION

- immunology/ ORGAN SPECIFICITY/
OVARIAN NEOPLASMS, immunology/ TISSUE
CULTURE
3907. Whiting FM, Brown WH, Stull JW: Pesticide residues
in milk and in tissues following long, low
2,2-bis(p-chlorophenyl)-1,1,1-trichloroethane intake.
J Dairy Sci 56:1324-8, Oct 73
ADIPOSE TISSUE, analysis/
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ ANIMAL FEED/ BRAIN
CHEMISTRY/ *CATTLE, metabolism/ DDD,
administration and dosage/ DDD, analysis/ DDD,
metabolism/ DDE, administration and dosage/
DDE, analysis/ DDE, metabolism/ *DDT,
administration and dosage/ DDT, analysis/ DDT,
metabolism/ FEMALE/ KIDNEY, analysis/
LACTATION/ LYMPH NODES, analysis/
*MILK, analysis/ MUSCLES, analysis/ OVARY,
analysis/ *PESTICIDE RESIDUES, analysis/
PREGNANCY/ UDDER, analysis
3908. Whittell NM, Ng DO, Prabhakararao K, et al: A
comparative electrophoretic analysis of mammalian
pyruvate kinase isozymes.
Comp Biochem Physiol [B] 46:71-80, 15 Sep 73
ANIMAL EXPERIMENTS/ BRAIN, enzymology/
COMPARATIVE STUDY/ ELECTROPHORESIS,
STARCH GEL/ ERYTHROCYTES, enzymology/
GUINEA PIGS/ HYBRIDIZATION/
*ISOENZYMES, analysis/ KIDNEY,
enzymology/ LIVER, enzymology/ MALE/
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enzymology/ MYOCARDIUM, enzymology/
ORGAN SPECIFICITY/ *PYRUVATE KINASE,
analysis/ RABBITS/ RATS/ SHEEP/ SPECIES
SPECIFICITY/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ SPLEEN, enzymology/
SWINE/ TESTIS, enzymology
3909. Whittemore CT, Thompson A, Atherton D: The
determination, by four methods, of the availability
and utilization of calcium and phosphorus in rats given
diets containing different amounts of the elements.
Br J Nutr 30:425-38, Nov 73
ANIMAL EXPERIMENTS/ BODY
COMPOSITION/ *CALCIUM, metabolism/
CALCIUM, urine/ CALCIUM RADIOISOTOPES/
*DIET/ FECES, analysis/ FEMALE/
INJECTIONS, INTRAMUSCULAR/
*PHOSPHORUS, metabolism/ PHOSPHORUS,
urine/ PHOSPHORUS RADIOISOTOPES/
RADIOISOTOPE DILUTION TECHNIC/ RATS/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION
3910. Whittington-Coleman PJ, Carrier O Jr, Douglas BH:
The effects of propranolol on cholesterol-induced
atheromatous lesions.
Atherosclerosis 18:337-45, Sep-Oct 73
ANIMAL EXPERIMENTS/ AORTA,
metabolism/ AORTA, pathology/
*ARTERIOSCLEROSIS, drug therapy/
ARTERIOSCLEROSIS, pathology/ BLOOD
PRESSURE, drug effects/ BODY WEIGHT/
CALCIUM, metabolism/ CHOLESTEROL,
blood/ CHOLESTEROL, metabolism/
*CHOLESTEROL, DIETARY/ FEMALE/ MALE/
*PROPRANOLOL, therapeutic use/ RABBITS
3911. Wickramasinghe JA, Morozowich W, Hamlin WE, et al:
Detection of prostaglandin F2 alpha as
pentafluorobenzyl ester by electron-capture GLC.
J Pharm Sci 62:1428-31, Sep 73
*BENZYL COMPOUNDS, analysis/
CHROMATOGRAPHY, GAS/ ESTERS, analysis/
ESTERS, chem synthesis/ FLUORINE,
analysis/ METHODS/ *PROSTAGLANDINS,
analysis
3912. Widman JC, Powsner ER: Radioimmunoassay data
banding. Am J Clin Pathol 60:480-8, Oct 73
BINDING, COMPETITIVE/ BINDING SITES,
ANTIBODY/ *COMPUTERS, DIGITAL/
DIGOXIN, analysis/ HUMAN/ MATHEMATICS/
METHODS/ *RADIOIMMUNOASSAY/
SOMATOTROPIN, analysis/ THYROXINE,
analysis/ VITAMIN B 12, analysis
3913. Wiebe EL: Intermediate digital apbalangia. A surgeon's
dilemma--two bone toes.
J Am Podiatry Assoc 63:522-4, Oct 73
ADULT/ *BONE AND BONES, abnormalities
CASE REPORT/ FEMALE/ HUMAN/ *TOES
abnormalities
3914. Wiedemann HR: Über das "Kerhenohr" beim
Exomphalos-Makroglossie-Gigantismus-Syndrom,
über das Vorkommen entsprechender Erscheinung,
bei anderweitigen Syndromen sowie bei Gesund.
Z Kinderheilkd 115:95-110, 31 Aug 73 (G)
*ABNORMALITIES, MULTIPLE, diagnosis/
ADOLESCENCE/ ADRENAL GLAND
DISEASES/ ADULT/ CHILD/ CHILD,
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*GIGANTISM, complications/ HUMAN/
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DISEASES/ MALE/ MIDDLE AGE/
SYNDROME/ *TONGUE, abnormalities/
UMBILICAL HERNIA, congenital/ UMBILICAL
abnormalities
3915. Wiggelinkhuizen J, Retief PJ, Wolff B, et al:
Nephrogenic diabetes insipidus and obstructive
uropathy. Am J Dis Child 128:398-401, Sep 73
ADOLESCENCE/ BLADDER DISEASES,
etiology/ BLADDER DISEASES, radiography/
*DIABETES INSIPIDUS, complications/
DIABETES INSIPIDUS, drug therapy/
DIABETES INSIPIDUS, familial & genetic/
DIURETICS, therapeutic use/ FEMALE/
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SODIUM, metabolism/ *URETERAL
OBSTRUCTION, complications/
URETEROCELE, complications/
URETEROCELE, surgery/ UROGRAPHY/
VASOPRESSIN, diagnostic use/ WATER,
diagnostic use
3916. Wiggs AJ: Partial characterization of the thyro
proteinase of the burbot, Lota lota L.
Comp Biochem Physiol [A] 45:869-82, 1 Jul 73
ANIMAL EXPERIMENTS/ CATTLE/
COMPARATIVE STUDY/ CYSTEINE/ DRUG
STABILITY/ EDTA, pharmacodynamics/
FEMALE/ FISHES/ FRESH WATER/ HEAT/
HEMOGLOBIN/ HYDROGEN-ION
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effects/ *THYROID GLAND, enzymology/
THYROTROPIN, pharmacodynamics
3917. Wiglusz Z: Rola cyklicznego 3',5'-AMP i aktywnego
transportu sodu w kształtowaniu się amplitud
potencjału czynnościowego w badaniach in vivo.
Acta Biol Med (Gdansk) 17:7-62, 1973 (Po)
*ACTION POTENTIALS, drug effects/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE
pharmacodynamics/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT,
ACTIVE/ CELL MEMBRANE PERMEABILITY/
drug effects/ ENGLISH ABSTRACT/
FUROSEMIDE, pharmacodynamics/
IMIDAZOLES, pharmacodynamics/ POTASSIUM
metabolism/ POTASSIUM CHLORIDE,
pharmacodynamics/ RABBITS/ RETINA, drug
effects/ *SODIUM, metabolism
3918. Wikström BE, Agren GK: Some properties of aden
cyclase from Ehrlich tumor cells.
Cancer Res 33:2714-20, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE
biosynthesis/ ADENOSINE MONOPHOSPHATE
metabolism/ ADENOSINE TRIPHOSPHATE,

AUTHOR SECTION

- metabolism/ *ADENYL CYCLASE, metabolism/
CAFFEINE, pharmacodynamics/ CALCIUM,
metabolism/ CARBON RADIOISOTOPES/
*CARCINOMA, EHRLICH TUMOR, enzymology/
CELLS, CULTURED/ EDTA,
pharmacodynamics/ ENZYME INDUCTION/
ENZYME REPRESSION/ FLUORIDES,
pharmacodynamics/ HYDROGEN-ION
CONCENTRATION/ KINETICS/ MAGNESIUM,
metabolism/ STIMULATION, CHEMICAL/
TEMPERATURE/ TRITIUM
9. Wilbrandt W: Professor Franz Wyss zum Gedenken.
Schweiz Med Wochenschr 103:1474-5, 20 Oct 73 (Ger)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY,
history/ HISTORICAL ARTICLE/ HISTORY
OF MEDICINE, 20TH CENT./ INTERNAL
MEDICINE, history/ SWITZERLAND
10. Wilbrandt W: Prof Dr. med. Franz Wyss zum Gedenken.
Praxis 62:1215-6, 9 Oct 73 (Ger)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY,
history/ HISTORICAL ARTICLE/ HISTORY
OF MEDICINE, 20TH CENT./ HOSPITALS,
TEACHING, history/ SWITZERLAND
11. Wilcox JB, Avery GS: Beclomethasone dipropionate
corticosteroid inhaler: a preliminary report of its
pharmacological properties and therapeutic efficacy
in asthma. Drugs 6:84-93, 1973
ADRENAL GLANDS, drug effects/
AEROSOLS/ *ASTHMA, drug therapy/
BECLOMETHASONE, administration & dosage/
BECLOMETHASONE, pharmacodynamics/
BECLOMETHASONE, therapeutic use/
DOSE-RESPONSE RELATIONSHIP, DRUG/
DRUG WITHDRAWAL SYMPTOMS/
*GLUCOCORTICOID, TOPICAL,
pharmacodynamics/ HUMAN/
*METHYLPREDNISOLONE, pharmacodynamics/
STEROIDS, adverse effects
12. Wilmelster W, Degenhardt B: Zur Diagnose des
"kalten Knotens" der Schilddrüse.
Med Welt 24:1123-6, 13 Jul 73 (Ger)
BIOPSY, NEEDLE/ COMPARATIVE STUDY/
CYSTS, diagnosis/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/ RADIOISOTOPE
SCANNING/ THERMOGRAPHY/ *THYROID
DISEASES, diagnosis/ *THYROID
NEOPLASMS, diagnosis
13. Wilhelm G: Klinik und Pathophysiologie der Rachitis. I.
Pathophysiologie.
Monatsschr Kinderheilkd 121:337-45, Jul 73 (Ger)
ALKALINE PHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ BONE AND BONES,
metabolism/ CALCITONIN, pharmacodynamics/
CALCIUM, blood/ CALCIUM PHOSPHATES,
metabolism/ PHOSPHATES, blood/ RATS/
RICKETS, enzymology/ *RICKETS,
physiopathology/ VITAMIN D,
pharmacodynamics
14. Wilkinson EJ, Friedrich EG, Hosty TA:
Alpha-fetoprotein and endodermal sinus tumor of the
ovary. Am J Obstet Gynecol 116:711-4, 1 Jul 73
ACTINOMYCIN, therapeutic use/
ADOLESCENCE/ CYCLOPHOSPHAMIDE,
therapeutic use/ FEMALE/ *FETAL
GLOBULINS, analysis/ HUMAN/ *OVARIAN
NEOPLASMS, blood/ OVARIAN NEOPLASMS,
drug therapy/ OVARIAN NEOPLASMS,
pathology/ OVARIAN NEOPLASMS, surgery/
OVARY, pathology/ VINCRISTINE, therapeutic
use
15. Williams GH, Bailey GL, Hampers CL, et al: Studies on
the metabolism of aldosterone in chronic renal failure
and anephric man. Kidney Int 4:280-8, Oct 73
ADOLESCENCE/ ADULT/ ALDOSTERONE,
blood/ ALDOSTERONE, metabolism/
*ALDOSTERONE, secretion/ ANGIOTENSIN II,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BLOOD UREA NITROGEN/
CORTICOSTERONE, blood/ CORTICOTROPIN,
pharmacodynamics/ CREATININE, blood/
ELECTROLYTES, blood/ HEMATOCRIT/
HEMODIALYSIS/ HUMAN/
HYDROCORTISONE, blood/ KIDNEY,
physiology/ *KIDNEY FAILURE, CHRONIC,
metabolism/ MALE/ METABOLIC
CLEARANCE RATE/ MIDDLE AGE/
NEPHRECTOMY/ POSTURE/ RENIN, blood/
STIMULATION, CHEMICAL
3926. Williams PF, Cole WH, Bailey RW, et al: Current
aspects of the surgical treatment of osteogenesis
imperfecta. Clin Orthop 96:288-98, Oct 73
ADULT/ AGE FACTORS/ BONE NAILS/
CHILD/ FEMALE/ FEMORAL FRACTURES,
therapy/ FOLLOW-UP STUDIES/ FRACTURE
FIXATION/ FRACTURE FIXATION,
INTRAMEDULLARY/ FRACTURES,
SPONTANEOUS, prevention & control/
HUMAN/ INFANT/ LEG, radiography/ MALE/
METHODS/ OSTEOGENESIS IMPERFECTA,
classification/ OSTEOGENESIS IMPERFECTA,
radiography/ *OSTEOGENESIS IMPERFECTA,
surgery/ PROGNOSIS
3927. Williams R: Hepatic encephalopathy.
J R Coll Physicians Lond 8:63-74, Oct 73
ACETAMINOPHEN, poisoning/ AMMONIA,
blood/ ANIMAL EXPERIMENTS/ BRAIN,
metabolism/ BRAIN EDEMA, etiology/ DIET
THERAPY/ DOPAMINE, metabolism/
FEMALE/ HEMODIALYSIS/ HUMAN/
LACTULOSE, therapeutic use/ LIVER,
transplantation/ *LIVER DISEASES,
complications/ LIVER DISEASES, therapy/
MALE/ NEOMYCIN, therapeutic use/
*NERVOUS SYSTEM DISEASES, complications/
NERVOUS SYSTEM DISEASES, therapy/
PARABIOSIS/ SEROTONIN, metabolism/
SUICIDE/ SWINE/ TRYPTOPHAN, metabolism
3928. Williams RJ, Heffley JD, Yew ML, et al: A renaissance
of nutritional science is imminent.
Perspect Biol Med 17:1-15, Autumn 73
ADULT/ ANIMAL EXPERIMENTS/ ATTITUDE
OF HEALTH PERSONNEL/ ATTITUDE TO
HEALTH/ CHILD/ DIET/ DIET THERAPY/
ENVIRONMENT/ ENVIRONMENTAL
POLLUTION/ FEMALE/ FOOD/ FOOD
PREFERENCES/ HORMONES, physiology/
HUMAN/ *NUTRITION/ NUTRITIONAL
REQUIREMENTS/ PREGNANCY/ PRENATAL
CARE/ PREVENTIVE MEDICINE/ SOCIAL
CHANGE/ VITAMINS
3929. Williamson JG, Ellis JD: The induction of ovulation by
tamoxifen.
J Obstet Gynaecol Br Commonw 80:844-7, Sep 73
BODY TEMPERATURE/ CERVIX MUCUS,
drug effects/ DIETHYLSTILBESTROL,
pharmacodynamics/ DIMETHYLAMINES,
pharmacodynamics/ DIMETHYLAMINES,
therapeutic use/ ESTROGENS, antagonists &
inhibitors/ ESTROGENS, pharmacodynamics/
*ESTROGENS, therapeutic use/ FEMALE/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ HUMAN/
HYSTEROSALPINGOGRAPHY/ *OVULATION,
drug effects/ PHENYL ETHERS,
pharmacodynamics/ PHENYL ETHERS,
therapeutic use/ PREGNANCY/ STERILITY,
FEMALE, drug therapy/ STILBENES,
pharmacodynamics/ *STILBENES, therapeutic
use/ TIME FACTORS
3930. Willingham AK, Monder C: Synthesis of
21-3H-corticosteroids. Steroids 22:539-46, Oct 73
*ADRENAL CORTEX HORMONES, chem
synthesis/ BOROHYDRIDES/ CARBON
RADIOISOTOPES/ CRYSTALLIZATION/
*HYDROCORTISONE/ ISOMERISM/ ISOTOPE
LABELING/ METHODS/ NAD/
OXIDATION-REDUCTION/ PERIODIC ACIDS/
TRITIUM
3931. Willingham MC, Carchman RA, Pastan IH: A mutant of
3T3 cells with cyclic AMP metabolism sensitive to
temperature change.
Proc Natl Acad Sci USA 70:2906-10, Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ BLOOD/ CELL DIVISION,
drug effects/ *CELL LINE/ CLONE CELLS/

AUTHOR SECTION

- CYCLOHEXIMIDE, pharmacodynamics/
DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ DNA, hiosynthesis/
FIBROBLASTS/ METABOLISM/ MICE/
MICROSCOPY, ELECTRON/ *MUTATION/
PROSTAGLANDINS, pharmacodynamics/
TEMPERATURE
3932. Willinsky MD, Scotti de Carolis A, Longo VG: EEG and behavioral effects of natural, synthetic and hiosynthetic cannahnolds.
Psychopharmacologia 31:365-74, 3 Aug 73
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ AROUSAL/ *BEHAVIOR, ANIMAL, drug effects/ *CANNABIS, pharmacodynamics/
ELECTROENCEPHALOGRAPHY/
EXOPHTHALMOS/ RABBITS/ RESERPINE, pharmacodynamics/
TETRAHYDROCANNABINOL, pharmacodynamics
3933. Wilmanns W: Therapie akuter Leukämien.
Munch Med Wochenschr 115:852-60, 4 May 73 (Ger)
ACUTE DISEASE/ ADULT/
ANTINEOPLASTIC AGENTS, therapeutic use/ ASPARAGINASE, therapeutic use/ DNA, NEOPLASM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ IMMUNOSUPPRESSION/ IMMUNOTHERAPY/ LEUKEMIA, drug therapy/ LEUKEMIA, metabolism/ *LEUKEMIA, therapy/ PREDNISOLONE, therapeutic use/ REMISSION/ THYMIDINE, metabolism/ TRITIUM/ URIDINE, metabolism
3934. Wilson DM, Perry HO, Sams WM Jr, et al: Selective inhibition of human distal tubular function by demeclocycline. Curr Ther Res 15:737-40, Oct 73
ACID-BASE EQUILIBRIUM, drug effects/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ AMINO ACIDS, urine/ CLINICAL RESEARCH/
*DEMETHYLCHLORTETRACYCLINE, pharmacodynamics/ GLYCOSURIA/ HUMAN/ INULIN, urine/ KIDNEY FUNCTION TESTS/ KIDNEY GLOMERULUS, drug effects/
*KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, DISTAL, drug effects/ KIDNEY TUBULES, DISTAL, physiology/ KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, physiology/ OSMOLAR CONCENTRATION/ PHOSPHATES, urine/ SODIUM, urine/ TETRACYCLINE, pharmacodynamics/ URIC ACID, urine
3935. Wilson JF, Dodd JM: The role of the pineal complex and lateral eyes in the colour change response of the dogfish, *Scyllorhinus canicula* L.
J Endocrinol 58:591-8, Sep 73
ANIMAL EXPERIMENTS/ BLINDNESS/ CHROMATOPHORES, physiology/ COLOR PERCEPTION/ DARKNESS/ *EYE, physiology/ FEMALE/ MALE/ MELANIN, physiology/ MSH, physiology/ NEURAL INHIBITION/ *PIGMENTATION/ *PINEAL BODY, physiology/ *SHARKS, physiology
3936. Wilson JF, Dodd JM: The role of melanophore-stimulating hormone in melanogenesis in the dogfish, *Scyllorhinus canicula* L.
J Endocrinol 58:685-6, Sep 73
ANIMAL EXPERIMENTS/
CHROMATOPHORES, physiology/
HYPOTHALAMUS, physiology/ *MELANIN, hiosynthesis/ *MSH, physiology/
PIGMENTATION/ *SHARKS, physiology/ SKIN, analysis/ SKIN, cytology
3937. Wilson JT, Bass A: Growth hormone modulation of liver drug metabolic enzyme activity in the rat. II. Specificity of the hormone effect.
Proc Soc Exp Biol Med 143:978-85, Sep 73
ALBUMINS, pharmacodynamics/ AMINO ACIDS, pharmacodynamics/ *ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ *BENZOATES, metabolism/ COMPARATIVE STUDY/ *CYTOCHROME P-450, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLOBULINS, pharmacodynamics/ *HEXOBARBITAL, metabolism/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MICROSOMES, LIVER, drug effects/ *MORPHINE, metabolism/ *NITROBENZENES, metabolism/ PLACENTA LACTOGEN, pharmacodynamics/ PROLACTIN pharmacodynamics/ RATS/ *SOMATOTROPIN pharmacodynamics/ SWINE
3938. Wilson PD: Enzyme changes in aging mammal.
Gerontologia 19:79-125, 1973 (123 ref.)
ADIPOSE TISSUE, enzymology/ AGE FACTORS/ *AGING/ ANIMAL EXPERIMENT ARTERIES, enzymology/ BONE AND BONES enzymology/ BRAIN, enzymology/ CARBOHYDRATES, metabolism/ CARTILAGE enzymology/ CATTLE/ ENDOCRINE GLANDS enzymology/ *ENZYMES, metabolism/ ERYTHROCYTES, enzymology/
GASTROINTESTINAL SYSTEM, enzymology/ GENITALIA, enzymology/ GUINEA PIGS/ HORSES/ HUMAN/ KIDNEY, enzymology/ LIVER, enzymology/ LUNG, enzymology/ MAMMALS, metabolism/ MICE/
MITOCHONDRIA, enzymology/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PROTEINS, metabolism/ RABBITS/ RATS/ REVIEW/ SWINE
3939. Wilson RW, Dreumel AA van, Henry JN: Urogenital and ocular lesions in canine blastomycosis.
Vet Pathol 10:1-11, 1973
ANIMAL EXPERIMENTS/ BLADDER DISEASES, pathology/ BLADDER DISEASES, veterinary/ BLASTOMYCOSIS, pathology/ *BLASTOMYCOSIS, veterinary/ *DOG DISEASES, pathology/ DOGS/ EYE DISEASE pathology/ *EYE DISEASES, veterinary/ *GENITAL DISEASES, MALE, veterinary/ KIDNEY DISEASES, pathology/ KIDNEY DISEASES, veterinary/ LUNG DISEASES, FUNGAL, pathology/ LUNG DISEASES, FUNGAL, veterinary/ MALE/ OPTIC NEURITIS, pathology/ OPTIC NEURITIS, veterinary/ PROSTATE, pathology/ PROSTATIC DISEASES, pathology/ PROSTATIC DISEASES, veterinary/ TESTICULAR DISEASES, pathology/ TESTICULAR DISEASES, veterinary/ TESTIS pathology/ *UROLOGIC DISEASES, veterinary
3940. Winegar LK, Griffin W: The occult primary tumor.
Arch Otolaryngol 98:159-63, Sep 73
ADULT/ AGED/ BIOPSY/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ ENDOSCOPY/ FEMALE/ HUMAN/ INFANT/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ *NECK NEOPLASMS, diagnosis/ NECK NEOPLASMS, mortality/ NECK NEOPLASMS, occurrence/ NECK NEOPLASMS, pathology/ NECK NEOPLASMS, radiotherapy/ NECK NEOPLASMS, surgery/ NEOPLASM METASTASIS/ RADICAL NECK DISSECTION THYROID NEOPLASMS, diagnosis/ TIME FACTORS
3941. Winkler K, Schaefer H: Das Verhalten der Talgsekretion während der Behandlung der Acne m Cyproteronacetat und Athinylöstradiol.
Arch Dermatol Forsch 247:259-64, 19 Sep 73 (Ge)
ACNE, drug therapy/ ADOLESCENCE/ ADULT/ *CYPROTERONE, pharmacodynamics/ CYPROTERONE, therapeutic use/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, pharmacodynamics/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ *SEBACEOUS GLANDS, drug effects/ SEBORRHEA, drug therapy/ SEBUM, secretion
3942. Winston F: Oral contraceptives, pyridoxine, and depression. Am J Psychiatry 130:1217-21, Nov 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/
*CONTRACEPTIVES, ORAL, adverse effects/ DEPRESSION, chemically induced/
*DEPRESSION, drug therapy/ DEPRESSION, prevention & control/ ESTROGENS, adverse effects/ ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ KYNURENINE, metabolism/ NICOTINIC ACID, metabolism/ NOREPINEPHRINE, metabolism/

AUTHOR SECTION

- PREGNANCY/ PREMENSTRUAL TENSION, prevention & control/ *PYRIDOXINE, therapeutic use/ *PYRIDOXINE DEFICIENCY, chemically induced/ PYRIDOXINE DEFICIENCY, complications/ SEROTONIN, metabolism/ TRYPTOPHAN, metabolism
943. Winter JS, Falman C: Pituitary-gonadal relations in female children and adolescents. *Pediatr Res* 7:948-53, Dec 73
ADOLESCENCE/ ADULT/ AGE DETERMINATION BY SKELETON/ AGE FACTORS/ BINDING, COMPETITIVE/ CHILD/ CHILD, PRESCHOOL/ CIRCADIAN RHYTHM/ CORPUS LUTEUM, secretion/ *ESTRADIOL, blood/ FEMALE/ *FSH, blood/ HUMAN/ INFANT/ *LH, blood/ MENARCHE/ MENSTRUATION/ OVARY, physiology/ OVULATION/ PITUITARY GLAND, physiology/ *PROGESTERONE, blood/ PUBERTY/ RADIOIMMUNOASSAY/ SEX CHARACTERISTICS/ *TESTOSTERONE, blood
944. Winter JS, Falman C: The development of cyclic pituitary-gonadal function in adolescent females. *J Clin Endocrinol Metab* 37:714-8, Nov 73
ADOLESCENCE/ CHILD/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MENARCHE/ *OVARY, physiology/ OVULATION/ *PITUITARY GLAND, physiology/ PROGESTERONE, blood/ TESTOSTERONE, blood
945. Winter S: [Editorial: The routine addition of vitamin D to cow's milk] *Harefuah* 85:145-6, 1 Aug 73 (Heb)
ANIMAL EXPERIMENTS/ CATTLE/ FOOD ADDITIVES/ HUMAN/ *MILK/ *VITAMIN D
946. Wise JK, Hendler R, Felig P: Influence of glucocorticoids on glucagon secretion and plasma amino acid concentrations in man. *J Clin Invest* 52:2774-82, Nov 73
ADULT/ ALANINE, administration & dosage/ ALANINE, pharmacodynamics/ *AMINO ACIDS, blood/ BLOOD SUGAR, analysis/ CUSHING'S SYNDROME, physiopathology/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, pharmacodynamics/ DIETARY PROTEINS, administration & dosage/ FASTING/ FEMALE/ GLUCAGON, blood/ *GLUCAGON, secretion/ *GLUCOCORTICOID, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAVENOUS/ INSULIN, blood/ MALE/ MIDDLE AGE/ OBESITY, physiopathology/ PANCREAS, drug effects/ PANCREAS, secretion
947. Wise PH, Marlon M, Pain RW: Single dose, "block-replace" drug therapy in hyperthyroidism. *Br Med J* 4:143-5, 20 Oct 73
ADULT/ *CARBIMAZOLE, administration & dosage/ GOITER, drug therapy/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ TECHNETIUM/ THYROXINE, blood/ *TRIIODOTHYRONINE, administration & dosage
948. Wise PM, Frye BE: Functional development of the hypothalamo-hypophyseal-adrenal cortex axis in the chick embryo, *Gallus domesticus*. *J Exp Zool* 185:277-92, Sep 73
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CHICK EMBRYO, growth & development/ *CHICK EMBRYO, physiology/ CHICKENS, physiology/ CORTICOSTERONE, blood/ CORTICOTROPIN, administration & dosage/ FETAL MEMBRANES/ HYPOPHYSECTOMY/ *HYPOTHALAMUS, physiology/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ MALE/ METHODS/ *PITUITARY GLAND, physiology/ PITUITARY GLAND, transplantation/ RADIOIMMUNOASSAY/ STRESS, physiopathology/ TRANSPLANTATION, HOMOLOGOUS/ TRITIUM
949. Wise RA, Alwin J: Stimulation-induced eating disrupted by a conditioned taste aversion. *Behav Biol* 9:289-97, Sep 73
- ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ CHLORIDES/ CONDITIONING (PSYCHOLOGY)/ *EATING/ ELECTRIC STIMULATION/ FOOD DEPRIVATION/ HUNGER/ *HYPOTHALAMUS, physiology/ INHIBITION (PSYCHOLOGY)/ LITHIUM, poisoning/ MALE/ RATS/ REACTION TIME/ SATIATION/ *TASTE
3950. Wlshart TB, Walls EK: The effects of anorexic doses of dextro-amphetamine on the ventromedial-hypothalamic hyperphagic rat. *Can J Physiol Pharmacol* 51:354-9, May 73
ANIMAL EXPERIMENTS/ *APPETITE DEPRESSANTS, pharmacodynamics/ BODY WEIGHT, drug effects/ *DEXTRO AMPHETAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRINKING BEHAVIOR, drug effects/ FEEDING BEHAVIOR, drug effects/ FOOD DEPRIVATION/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ STEREOTAXIC TECHNIQS
3951. Witek JT, Spencer RP: Distribution of thyroidal radioliodide uptake values (2, 6, 24 hours) in a referred population. *Conn Med* 37:499-501, Oct 73
ADULT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ MALE/ REFERRAL AND CONSULTATION/ RETROSPECTIVE STUDIES/ *THYROID DISEASES, diagnosis/ TIME FACTORS
3952. Witting WC, Laros RK Jr, Work BA Jr: Uterine response to prostaglandin F2 alpha infusion in term human pregnancy. *Obstet Gynecol* 42:581-8, Oct 73
DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FETAL MEMBRANES, drug effects/ GESTATIONAL AGE/ HUMAN/ INFUSIONS, PARENTERAL/ LABOR, INDUCED/ *PREGNANCY, drug effects/ *PROSTAGLANDINS, administration & dosage/ RUPTURE/ *UTERUS, drug effects/ UTERUS, physiology
3953. Wojciechowski KJ: In vitro studies on respiratory and genital strains of IBR-IPV virus. I. Growth studies in cell and organ cultures. *Acta Microbiol Pol [B]* 5:179-96, 1973
ANIMAL EXPERIMENTS/ ANTIGENS, VIRAL/ CATTLE/ CELLS, CULTURED/ CONJUNCTIVA, microbiology/ CULTURE MEDIA/ CYTOPATHOGENIC EFFECT, VIRAL/ DNA, VIRAL, metabolism/ EPITHELIAL CELLS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ FLUORESCENT DYES/ FREEZE DRYING/ *GENITALIA, microbiology/ *HERPESVIRUS, growth & development/ KIDNEY, cytology/ MALE/ MICROSCOPY, ELECTRON/ ORGAN CULTURE/ PENIS, cytology/ RABBITS, immunology/ *RESPIRATORY SYSTEM, microbiology/ TESTIS, cytology/ TIME FACTORS/ TRACHEA, cytology/ TRACHEA, microbiology/ *VULVOVAGINITIS, microbiology
3954. Wolf G, Dicara LV, Simpson W: The contact method: a simple technique for electrical self-stimulation without external leads. *Physiol Behav* 11:721-3, Nov 73
ANIMAL EXPERIMENTS/ ANIMALS, LABORATORY/ CONDITIONING, OPERANT/ *ELECTRIC STIMULATION, instrumentation/ ELECTRODES, IMPLANTED/ HYPOTHALAMUS, physiology/ MALE/ METHODS/ RATS/ REWARD/ *SELF STIMULATION
3955. Wolf H, Kerstan B: Gegenwärtiger Stand der Rachitis-Prophylaxe in der Bundesrepublik Deutschland. Ergebnisse einer Umfrage. *Monatsschr Kinderheilkd* 121:360-1, Jul 73 (Ger)
GERMANY, WEST/ HUMAN/ INFANT/ INFANT, NEWBORN/ RICKETS, occurrence/ *RICKETS, prevention & control/ *VITAMIN D, administration & dosage
3956. Wolf M de, Lagrou A, Hilderson HJ, et al: Fosfollipase A1 en A2 in runderschildklier. *Arch Int Physiol Biochim* 80:966-7, Dec 72 (Dut)

AUTHOR SECTION

- CARBON RADIOISOTOPES/ CATTLE/
*PHOSPHOLIPASE, analysis/ *THYROID
GLAND, enzymology/ TRITIUM
3957. Wolff G, Frahl B: Kontrollierter klinischer Versuch zur
Hormon- und kombinierten
Cyclophosphamid-Hormon-Behandlung des
incurablen Mammakarzinoms.
Arch Geschwulstforsch 41:363-72, 1973 (Ger)
ANDROGENS, therapeutic use/ *BREAST
NEOPLASMS, therapy/ CASTRATION/
*CYCLOPHOSPHAMIDE, therapeutic use/
DELAYED-ACTION PREPARATIONS/ DRUG
THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
NANDROLONE, therapeutic use/ NEOPLASM
METASTASIS/ NORETHINDRONE, therapeutic
use/ PROPIONATES, therapeutic use/ TIME
FACTORS
3958. Wolff J, Temple R, Cook GH: Stimulation of steroid
secretion in adrenal tumor cells by choleraen.
Proc Natl Acad Sci USA 70:2741-4, Oct 73
ADENYL CYCLASE, metabolism/ ADRENAL
GLAND NEOPLASMS, enzymology/ *ADRENAL
GLAND NEOPLASMS, metabolism/
ANTIBODIES/ CELL LINE/ *CHOLERA/
CORTICOTROPIN, pharmacodynamics/
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*ENTEROTOXINS, pharmacodynamics/
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LIPOPOLYSACCHARIDES, pharmacodynamics/
MICE/ *PROGESTERONE, biosynthesis/
RESINS, pharmacodynamics/
SPECTROPHOTOMETRY/ STIMULATION,
CHEMICAL
3959. Wolff J, Williams JA: The role of microtubules and
microfilaments in thyroid secretion.
Recent Prog Horm Res 29:229-85, 1973 (205 ref.)
ANIMAL EXPERIMENTS/ CHLORPROMAZINE,
pharmacodynamics/ COLCHICINE,
pharmacodynamics/ CYTOCHALASIN B,
pharmacodynamics/ GLUCURONIDASE,
metabolism/ LITHIUM, pharmacodynamics/
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THYROID GLAND, drug effects/ THYROID
GLAND, enzymology/ *THYROID GLAND,
secretion/ THYROTROPIN, pharmacodynamics/
TIME FACTORS/ VINBLASTINE,
pharmacodynamics
3960. Wolff ME, Hansch C: Correlation of physicochemical
parameters and biological activity in steroids.
9Alpha-substituted corticoid derivatives.
Experientia 29:1111-3, 15 Sep 73
ANTI-INFLAMMATORY AGENTS,
pharmacodynamics/ *HYDROCORTISONE,
pharmacodynamics/ LIVER GLYCOGEN/
MATHEMATICS/ MOLECULAR
CONFORMATION/ STRUCTURE-ACTIVITY
RELATIONSHIP/ X-RAY DIFFRACTION
3961. Wong Chin Kim: Pseudohypoparathyroidism: a case
report and family study.
Med J Malaysia 27:289-91, Jun 73
CHILD/ FEMALE/ HUMAN/ MALAYSIA/
MALE/ *PSEUDOHYPOPARATHYROIDISM
3962. Woodward RB, Gostell J, Ernest I, et al: A novel
synthesis of prostaglandin F.
J Am Chem Soc 95:6853-5, 3 Oct 73
CYCLIZATION/ INDICATORS AND
REAGENTS/ METHODS/ MODELS,
CHEMICAL/ MOLECULAR CONFORMATION/
*PROSTAGLANDINS, chem synthesis/
STEREISOMERS/ TEMPERATURE
3963. Worthington HE: Factors influencing the formulation
of semisolid preparations with special reference to
corticosteroid products.
Acta Derm Venereol [Suppl] (Stockh) 53:29-34, 1973
- DERMATOLOGIC AGENTS/ DOSAGE FORMS
DRUG EVALUATION/ DRUG STABILITY/
EMULSIONS/ *GLUCOCORTICIDS, TOPICAL
administration & dosage/ HUMAN/
KETOSTEROIDS, administration & dosage/
OINTMENTS/ PARTICLE SIZE/
PHARMACEUTIC AIDS/
*PREGNADIENEDIOLS, administration &
dosage/ *SKIN ABSORPTION/ SOLUBILITY/
SOLUTIONS/ STEROIDS, CHLORINATED,
administration & dosage/ STEROIDS,
FLUORINATED, administration & dosage/
SURFACE-ACTIVE AGENTS/ VEHICLES/
VISCOSITY
3964. Wortmann W, Johnston DE, Wortmann B, et al:
Metabolism of 3H-estrone sulfate perfused in vivo
through a rhesus monkey liver.
J Steroid Biochem 4:271-6, May 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
ESTRIOL, biosynthesis/ ESTRIOL, blood/
ESTRONE, blood/ *ESTRONE, metabolism/
GLUCURONIDASE/ HYDROXYSTEROIDS,
biosynthesis/ HYDROXYSTEROIDS, blood/
*LIVER, metabolism/ MACACA/ MONKEYS/
PERFUSION/ SULFATASES/ SULFURIC
ACIDS/ TIME FACTORS/ TRITIUM
3965. Wortmann W, Schnabel C, Touchstone JC: Quantitative
determination of corticosteroids from plasma by
high-pressure liquid chromatography.
J Chromatogr 84:396-401, 28 Sep 73
*ALDOSTERONE, blood/ AUTOANALYSIS/
CHROMATOGRAPHY, GAS/ *CORTISONE,
blood/ HUMAN/ *HYDROCORTISONE, blood/
METHODS/ PRESSURE/ SOLVENTS
3966. Wray HL, Harris AW: Adenosine 3',
5'-monophosphate-dependent protein kinase in
adipose tissue: inhibition by tolbutamide.
Biochem Biophys Res Commun 53:291-4, 2 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE
pharmacodynamics/ ADIPOSE TISSUE, drug
effects/ *ADIPOSE TISSUE, enzymology/
ANIMAL EXPERIMENTS/ EPIDIDYIMIS, drug
effects/ EPIDIDYIMIS, enzymology/ MALE/
PHOSPHORUS ISOTOPES/ *PROTEIN
KINASE, antagonists & inhibitors/ RATS/
SULFADIAZINE, pharmacodynamics/
SULFONIC ACIDS, pharmacodynamics/
*TOLBUTAMIDE, pharmacodynamics/
TOLUENE, pharmacodynamics/ UREA,
pharmacodynamics
3967. Wright P: The neural basis of food and water intake in
birds.
Indian J Physiol Pharmacol 17:1-16, Jan-Mar 73 (10
ref.)
ANIMAL EXPERIMENTS/ *BIRDS, physiology/
*BRAIN, physiology/ CEREBRAL CORTEX,
physiology/ CHICKENS, physiology/
COMPARATIVE STUDY/ *DRINKING
BEHAVIOR/ DUCKS, physiology/ ELECTRIC
STIMULATION/ *FEEDING BEHAVIOR/
FEMALE/ HUMAN/ HYPOTHALAMUS,
physiology/ MALE/ MAMMALS, physiology/
NEURAL INTERCONNECTIONS, physiology/
PIGEONS, physiology/ RABBITS/ RATS/
REVIEW/ SPECIES SPECIFICITY/
THALAMUS, physiology/ WATER
3968. Wright V: Use and abuse of remedial therapy--method
of evaluation. Proc R Soc Med 66:787-90, Aug 73
ANALGESICS AND ANTIPIRENETICS,
therapeutic use/ ARTHRITIS, RHEUMATOID,
diagnosis/ ARTHROPLASTY/ EVALUATION
STUDIES/ EXERCISE THERAPY/ FEMALE/
FINGER JOINT/ HIP, surgery/ HUMAN/
HYDROCORTISONE, therapeutic use/ JOINT
PROSTHESIS/ KNEE/ KNEE, physiotherapy/
MALE/ MOVEMENT/ MULTIPLE SCLEROSIS,
physiotherapy/ PERIARTHRITIS, therapy/
*PHYSICAL THERAPY/ SHOULDER/ SPINE,
physiology
3969. Wróbel J, Michalska L, Niemiro R: The effect of sodium
and some other alkali cations on calcium transport in
rat duodenum. Acta Biochim Pol 20:249-57, 1973

AUTHOR SECTION

- AMMONIUM CHLORIDE, pharmacodynamics/
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT, ACTIVE, drug effects/
*CALCIUM, metabolism/ CESIUM,
pharmacodynamics/ CYANIDES,
pharmacodynamics/ DINITROPHENOLS,
pharmacodynamics/ DUODENUM, drug effects/
*DUODENUM, metabolism/ FEMALE/
INTESTINAL MUCOSA, metabolism/ LITHIUM,
pharmacodynamics/ MALE/ METHODS/
POTASSIUM, pharmacodynamics/ RATS/
RUBIDIUM, pharmacodynamics/ *SODIUM,
pharmacodynamics/ TEMPERATURE
70. Wróblewski TE, Markiewicz L: Excretion of catecholamines in urine under conditions of emotional stress (shocking movies). *Int Z Angew Physiol* 31:327-31, 20 Jul 73
*CATECHOLAMINES, urine/ CREATININE, urine/ EMOTIONS/ EPINEPHRINE, urine/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ MANDELIC ACID, urine/ MOTION PICTURES/ NOREPINEPHRINE, urine/ *STRESS, PSYCHOLOGICAL
71. Wu B, Kikkawa Y, Orzalesi MM, et al: The effect of thyroxine on the maturation of fetal rabbit lungs. *Biol Neonate* 22:161-8, 1973
AMNIOTIC FLUID/ ANIMAL EXPERIMENTS/ EPITHELIAL CELLS, drug effects/ FEMALE/ *FETUS, growth & development/ GESTATIONAL AGE/ GLYCOGEN, biosynthesis/ INJECTIONS/ INJECTIONS, INTRAMUSCULAR/ *LUNG, drug effects/ *LUNG, embryology/ LUNG, growth & development/ LUNG, physiology/ MATERNAL-FETAL EXCHANGE/ MICROSCOPY, ELECTRON/ OSSIFICATION, PHYSIOLOGIC, drug effects/ PREGNANCY/ PULMONARY ALVEOLI, cytology/ PULMONARY ALVEOLI, pathology/ PULMONARY SURFACTANT, biosynthesis/ RABBITS/ THYROXINE, administration & dosage/ *THYROXINE, pharmacodynamics
72. Wu JT, Chang MC: Hormonal requirement for implantation and embryonic development in the ferret. *Biol Reprod* 9:350-5, Nov 73
ANIMAL EXPERIMENTS/ CARNIVORA/ EMBRYO, drug effects/ *EMBRYO, growth & development/ ESTRADIOL, pharmacodynamics/ FEMALE/ *NIDATION, drug effects/ OVARY, surgery/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, pharmacodynamics
73. Wu KK, Jacobsen CD, Hoak JC: Assay of plasminogen using latex flocculation. *Proc Soc Exp Biol Med* 144:391-3, Nov 73
COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DISSEMINATED INTRAVASCULAR COAGULATION, blood/ FEMALE/ *FLOCCULATION TESTS/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ *IMMUNOASSAY/ *LATEX PARTICLES/ LIVER CIRRHOSIS, blood/ MALE/ METHODS/ NEOPLASMS, blood/ *PLASMINOGEN, blood/ RABBITS, immunology
74. Wunder G: Carcinoma in situ und Karzinom der Zervix unter Einnahme oraler Kontrazeptiva. *Fortschr Med* 91:1082-4, 27 Sep 73 (Ger)
ADULT/ AGE FACTORS/ CARCINOMA IN SITU, chemically induced/ *CARCINOMA IN SITU, occurrence/ CARCINOMA IN SITU, pathology/ CERVIX NEOPLASMS, chemically induced/ *CERVIX NEOPLASMS, occurrence/ CERVIX NEOPLASMS, pathology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ GERMANY, WEST/ HUMAN/ VAGINAL SMEARS
75. Wüthrich B: Zur Behandlung der Sklerodermien. *Praxis* 62:1149-55, 18 Sep 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ANTIMALARIALS, therapeutic use/ AZATHIOPRINE, therapeutic use/ DEXTRAN, therapeutic use/ EDTA, therapeutic use/ FEMALE/ HUMAN/ HYALURONIDASE, therapeutic use/ MALE/ *SCLERODERMA, CIRCUMSCRIBED, drug therapy/ *SCLERODERMA, SYSTEMIC, drug therapy/ SYMPATHOLYTICS, therapeutic use
3976. Wyckoff RW, Davidson FD: Gelatinized pleistocene collagen. *Comp Biochem Physiol [B]* 46:143-6, 15 Sep 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ *BONE AND BONES, analysis/ CARNIVORA/ CHROMATOGRAPHY, GAS/ *COLLAGEN, analysis/ COMPARATIVE STUDY/ EVOLUTION/ GELS/ HORSES/ SPECIES SPECIFICITY
3977. Wynder EL, Schneiderman MA: Guest editorial: Exogenous hormones--hoon or culprit? *J Natl Cancer Inst* 51:729-31, Sep 73
ADOLESCENCE/ ADULT/ AGED/ *BREAST NEOPLASMS, chemically induced/ CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ GYNECOLOGIC DISEASES, drug therapy/ *GYNECOLOGIC NEOPLASMS, chemically induced/ HUMAN/ HYSTERECTOMY/ MALE/ MENOPAUSE/ MIDDLE AGE/ OSTEOPOROSIS, drug therapy/ TIME FACTORS
3978. Wysocka K, Banasik A: Zmiany narządowe w akrosklerodermii. *Wlad Lek* 26:1693-7, 15 Sep 73 (Pol)
ADULT/ CHILD/ ENGLISH ABSTRACT/ ESOPHAGUS, radiography/ FEMALE/ HAND, radiography/ HUMAN/ LUNG, radiography/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, diagnosis/ *SCLERODERMA, SYSTEMIC, diagnosis/ SCLERODERMA, SYSTEMIC, radiography
3979. (Wyss F), Wilbrandt W: Professor Franz Wyss zum Gedenken. *Schweiz Med Wochenschr* 103:1474-5, 20 Oct 73 (Ger)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ INTERNAL MEDICINE, history/ SWITZERLAND
3980. (Wyss F), Wilbrandt W: Prof Dr. med. Franz Wyss zum Gedenken. *Praxis* 62:1215-6, 9 Oct 73 (Ger)
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HOSPITALS, TEACHING, history/ SWITZERLAND

Y

3981. Yalovsky U, Heller H, Kulka RG: Accumulation of amylase by chick pancreas in organ culture. Effect of hydrocortisone. *Exp Cell Res* 80:322-8, Aug 73
*AMYLASE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ ORGAN CULTURE/ PANCREAS, drug effects/ PANCREAS, enzymology/ *PANCREAS, enzymology/ PROTEINS, metabolism/ STIMULATION, CHEMICAL/ TIME FACTORS
3982. Yamada K: The effect of digestion with Streptomyces hyaluronidase upon certain histochemical reactions of hyaluronic acid-containing tissues. *J Histochem Cytochem* 21:794-803, Sep 73
ANIMAL EXPERIMENTS/ *ARTERIES, analysis/ CATTLE/ CHICKENS/ *COMB AND WATTLES, analysis/ DOGS/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *HYALURONIC ACID, analysis/ *HYALURONIDASE/ MALE/ MUCOPOLYSACCHARIDES, analysis/ PREGNANCY/ RABBITS/ SCHIFF BASES/ SPECIES SPECIFICITY/ STAINS AND STAINING/ STREPTOMYCES, enzymology/ SWINE/ TESTIS, enzymology/ *UMBILICUS, analysis
3983. Yamada K: [Histochemical study of mucopolysaccharides] *Protein Nucleic Acid Enzyme (Tokyo)* 17:775-90, Oct 72 (119 ref.) (Jap)

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ AORTA, analysis/
BRONCHI, analysis/ CARTILAGE, analysis/
CHICKENS/ EELS/ EPITHELIUM, analysis/
HISTOCYTOCHEMISTRY/ *HISTOLOGICAL
TECHNICS/ INTESTINES, analysis/ MALE/
MICROSCOPY, ELECTRON/
*MUCOPOLYSACCHARIDES, analysis/
RABBITS/ RATS/ REVIEW/ STAINS AND
STAINING/ STOMACH, analysis/ TESTIS,
analysis
3984. Yamada T, Kobayashi I, Fukuda H, et al: Sex difference
in thyroidal response to administration of
progesterone in the rat.
Proc Soc Exp Biol Med 143:948-53, Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*ESTRUS/ FEMALE/ HYPOTHALAMUS,
physiology/ IODINE ISOTOPES, DIAGNOSTIC/
MALE/ ORGAN WEIGHT/ OVARY/
*PROGESTERONE, pharmacodynamics/
PROTEIN-BOUND IODINE TEST/ RATS/ SEX
FACTORS/ THYROID GLAND, anatomy &
histology/ *THYROID GLAND, drug effects/
THYROID GLAND, metabolism/ THYROID
GLAND FUNCTION TESTS/ THYROXINE,
pharmacodynamics
3985. Yamagishi M, Karlyone S, Wakisaka G: Hematological
effect of corticosteroids and anabolic steroids on
aplastic anemia patients.
Acta Haematol Jap 36:9-24, Feb 73
ADOLESCENCE/ ADULT/ AGED/ *ANABOLIC
STEROIDS, therapeutic use/ *ANEMIA,
APLASTIC, drug therapy/ BLOOD CELL
COUNT/ FEMALE/ HUMAN/ MALE/
METHANDROSTENOLONE, therapeutic use/
METHENOLONE, therapeutic use/ MIDDLE
AGE/ NANDROLONE, therapeutic use/
OXYMETHOLONE, therapeutic use/
*PREDNISOLONE, therapeutic use
3986. Yamamoto H, Masuda Y, Okada N, et al: Studies on
pharmacodynamic action of N-ethylmaleimide
(NEM). 3. NEM induced hyperglycemia in rats.
Jap J Pharmacol 23:167-75, Apr 73
ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ BLOOD SUGAR, metabolism/
BRAIN, metabolism/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ EPINEPHRINE,
metabolism/ *ETHYLMALIMIDE/ GLUCOSE,
metabolism/ *HYPERGLYCEMIA, chemically
induced/ LACTATES, metabolism/ LIVER
CIRCULATION, drug effects/ LIVER
GLYCOGEN, metabolism/ MUSCLES,
metabolism/ MYOCARDIUM, metabolism/
NOREPINEPHRINE, metabolism/ RATS
3987. Yamamoto H, Mikita S, Yano I, et al: Studies on the
physical dependence liability of analgesics. 2.
Relationship between transformation of
intramitochondrial structures in adrenocortical cells
and corticosterone biosynthesis in morphine addicted
rats. Jap J Pharmacol 23:217-25, Apr 73
*ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ ASCORBIC ACID,
metabolism/ *CORTICOSTERONE, biosynthesis/
DRUG WITHDRAWAL SYMPTOMS/ MALE/
*MITOCHONDRIA, drug effects/ *MORPHINE
ADDICTION, pathology/ RATS
3988. Yamamoto H, Okada N, Yano I, et al: Studies on
pharmacodynamic action of N-ethylmaleimide
(NEM). 2. An inflammatory property of NEM in rats.
Jap J Pharmacol 23:161-6, Apr 73
ANIMAL EXPERIMENTS/ ASCITES,
chemically induced/ CAPILLARY
PERMEABILITY, drug effects/ CORTISONE,
pharmacodynamics/ CYSTEINE,
pharmacodynamics/ EDEMA, chemically
induced/ *ETHYLMALIMIDE/
ETHYLMALIMIDE, administration & dosage/
ETHYLMALIMIDE, antagonists & inhibitors/
*INFLAMMATION, chemically induced/
INJECTIONS, INTRAPERITONEAL/
INJECTIONS, SUBCUTANEOUS/ MESENTERY,
drug effects/ RATS
3989. Yamashiro D, Li CH: Synthesis of a peptide with full
somatostatin activity.
- Biochem Biophys Res Commun 54:882-8, 1 Oct
AMINO ACID SEQUENCE/
ELECTROPHORESIS, PAPER/ METHODS/
*PEPTIDES, chem synthesis/ *PITUITARY
HORMONE RELEASING HORMONES,
antagonists & inhibitors/ *SOMATOTROPIN,
antagonists & inhibitors/
SPECTROPHOTOMETRY, INFRARED
3990. Yanai R, Nagasawa H: Effect of nonsuckling period
pituitary prolactin secretory activity in rats.
Horm Res 4:169-76, 1973
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ CARBON RADIOISOTOPES/
FEMALE/ LACTATION/ LEUCINE,
metabolism/ ORGAN WEIGHT/ *PITUITARY
GLAND, secretion/ PREGNANCY/
PROLACTIN, blood/ *PROLACTIN, secretion
RADIOIMMUNOASSAY/ RATS/ *SUCKING
BEHAVIOR/ TIME FACTORS
3991. Yanase M: [A study on the role of brain for the
establishment of adaptation to the repeated
immobilization stress. II. A role of the
limbic-midbrain system in the repeated
immobilization stress]
J Physiol Soc Jap 35:171-8, Apr 73 (Ja)
ACETATES, metabolism/ ADAPTATION,
PHYSIOLOGICAL/ ADRENAL GLANDS,
metabolism/ ANIMAL EXPERIMENTS/ BODY
TEMPERATURE/ CARBON ISOTOPES/
CORTICOSTERONE, biosynthesis/
CORTICOTROPIN, secretion/ ELECTRIC
STIMULATION/ ENGLISH ABSTRACT/
FEMALE/ HIPPOCAMPUS/
17-HYDROXYCORTICOSTEROIDS, biosynthesis/
*IMMOBILIZATION/ IN VITRO/ *LIMBIC
SYSTEM, physiology/ *MESENCEPHALON,
physiology/ RABBITS/ *STRESS
3992. Yang HY, Neff NH: Beta-phenylethylamine: a specific
substrate for type B monoamine oxidase of brain.
J Pharmacol Exp Ther 187:365-71, Nov 73
ACETALDEHYDE, metabolism/ ANIMAL
EXPERIMENTS/ BENZYL COMPOUNDS,
metabolism/ BRAIN, cytology/ *BRAIN,
enzymology/ CARBON RADIOISOTOPES/
CENTRIFUGATION, DENSITY GRADIENT/
DEAMINATION/ DRUG STABILITY/ HEAT/
IN VITRO/ MALE/ MITOCHONDRIA,
enzymology/ *MONOAMINE OXIDASE,
metabolism/ MONOAMINE OXIDASE
INHIBITORS, pharmacodynamics/
*PHENETHYLAMINES, metabolism/ RATS/
SEROTONIN, metabolism/ SUCROSE/ TIME
FACTORS/ TYRAMINE, metabolism
3993. Yang HY, Neff NH: Differential distribution of
angiotensin converting enzyme in the anterior and
posterior lobe of the rat pituitary.
J Neurochem 21:1035-6, Oct 73
ANIMAL EXPERIMENTS/ CHLORIDES,
pharmacodynamics/ EDTA, pharmacodynamics/
ENZYME ACTIVATION/ *KININASE II,
analysis/ KININASE II, antagonists &
inhibitors/ MALE/ OLIGOPEPTIDES,
pharmacodynamics/ PITUITARY GLAND, drug
effects/ *PITUITARY GLAND, enzymology/
*PITUITARY GLAND, POSTERIOR,
enzymology/ RATS
3994. Yano I, Nishino H, Yamamoto H, et al: Studies on the
physical dependence liability of analgesics. 1.
Electron microscopic studies on the ultra-structural
transformation of mitochondria in the cells of zona
fasciculata of the adrenal cortex in morphine addicted
rats. Jap J Pharmacol 23:201-15, Apr 73
*ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ COLD/ DACTINOMYCIN,
pharmacodynamics/ DRUG WITHDRAWAL
SYMPTOMS/ FORMALDEHYDE,
pharmacodynamics/ LEVALLORPHAN,
diagnostic use/ MALE/ MICROSCOPY,
ELECTRON/ *MITOCHONDRIA, drug effects/
MITOCHONDRIA, LIVER, drug effects/
*MORPHINE ADDICTION, pathology/
NALOXONE, diagnostic use/ PITUITARY
GLAND, pathology/ RATS
3995. Yano I, Nishino H, Masuda Y, et al: Studies on the

AUTHOR SECTION

- physical dependence liability of analgesics. 3. Electron microscopic study on intramitochondrial structure of zona fasciculata cells in adrenal cortex in a new analgesic, CG-315 chronically administered rats. Jap J Pharmacol 23:227-31, Apr 73
*ADRENAL GLANDS, drug effects/
*ALCOHOLS, pharmacodynamics/
*ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/
*CYCLOHEXANE, pharmacodynamics/
*CYCLOHEXANOL, pharmacodynamics/
*DIMETHYLAMINES, pharmacodynamics/
*DRUG ADDICTION/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, drug effects/ RATS
98. Yathindra N, Sundaralingam M: Conformational studies on guanosine nucleotides and polynucleotides. The effect of the base on the glycosyl and backbone conformations. Biopolymers 12:2075-82, 1973
ADENINE, analysis/ CHEMISTRY/ ENERGY TRANSFER/ GUANINE, analysis/ *GUANINE NUCLEOTIDES, analysis/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ HYDROGEN-ION CONCENTRATION/ MOLECULAR CONFORMATION/ OPTICAL ROTATORY DISPERSION/
*POLYNUCLEOTIDES, analysis/
RIBONUCLEOTIDES, analysis/ SURFACE PROPERTIES/ TEMPERATURE
99. Yeung RT: Effect of propranolol on plasma growth hormone response in insulin-induced hypoglycemia in thyrotoxic patients. J Clin Endocrinol Metab 37:968-71, Dec 73
ADOLESCENCE/ ADULT/ BLOOD SUGAR, metabolism/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/
*HYPERTHYROIDISM, blood/
HYPOGLYCEMIA, blood/ INSULIN, diagnostic use/ MALE/ *PROPRANOLOL, pharmacodynamics/ *SOMATOTROPIN, blood
99. Ylöstalo P, Vuopala S: Contraceptive treatment with low doses of gestagen in cases with medical history of hepatosis of pregnancy. Acta Obstet Gynecol Scand 52:221-8, 1973
ALANINE AMINOTRANSFERASE, blood/
BLOOD PROTEINS, metabolism/
CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/
FOLLOW-UP STUDIES/ HUMAN/ *LIVER, drug effects/ *LIVER DISEASES/
*NORETHINDRONE, pharmacodynamics/
PREGNANCY/ *PREGNANCY COMPLICATIONS/ SERUM GLOBULINS, metabolism/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRIGLYCERIDES, blood
99. Yoshida O, Ertürk E, Bryan GT, et al: The effect of gonadectomy and hormone administration on the urinary bladder carcinogenicity of N-(4-(5-nitro-2-furyl)-2-thiazolyl)formamide in male and female Swiss mice. Invest Urol 11:216-20, Nov 73
ANIMAL EXPERIMENTS/ *BLADDER, drug effects/ *BLADDER NEOPLASMS, chemically induced/ *CARCINOGENS/ CASTRATION/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ MICE/
*NITROFURANS, toxicity/ *OVARY, physiology/ SEX FACTORS/ *TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics
99. Yoshiki S: A simple histological method for identification of osteoid matrix in decalcified bone. Stain Technol 48:233-8, Sep 73
ANIMAL EXPERIMENTS/ *BONE MATRIX, pathology/ *DECALCIFICATION TECHNIC/ EOSINOPHILS, cytology/ *HISTOLOGICAL TECHNIQUES/ METHODS/ MICRORADIOGRAPHY/ RATS/ *RICKETS, pathology/ STAINS AND STAINING
99. Yoshimi T: [Progesterone-interpretation of the test results] Jap J Clin Med 31:1558-67, 1973 (Jap)
FEMALE/ HUMAN/ MALE/ *PROGESTERONE, blood
4002. Young CM: Overnutrition. World Rev Nutr Diet 16:179-202, 1973 (74 ref.)
COPPER, poisoning/ FLUORIDES, poisoning/
FOLIC ACID, poisoning/ HUMAN/ IRON, poisoning/ NICOTINIC ACID, poisoning/
*NUTRITION DISORDERS/ OBESITY, etiology/
OBESITY, therapy/ REVIEW/ SODIUM, poisoning/ VITAMIN A, poisoning/ VITAMIN D, poisoning/ VITAMIN K, poisoning
4003. Young DB, Rostorfer HH: Renin release responses to acute alterations in renal arterial osmolarity. Am J Physiol 225:1009-14, Nov 73
ANIMAL EXPERIMENTS/ *BLOOD/ DOGS/ GLUCOSE, pharmacodynamics/ *KIDNEY, physiology/ MALE/ OSMOLAR CONCENTRATION/ *RENAL ARTERY, physiology/ *RENIN, secretion/ SODIUM CHLORIDE, pharmacodynamics/
STIMULATION, CHEMICAL/ UREA, pharmacodynamics/ *WATER-ELECTROLYTE BALANCE
4004. Young LG, Forshaw RP, Smith GC: Simplified diets based on barley for reproducing swine. J Anim Sci 37:898-905, Oct 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ ANIMALS, NEWBORN/ BODY WEIGHT/ CHLORTETRACYCLINE, administration & dosage/ *DIET/ DIETARY PROTEINS, administration & dosage/
FEMALE/ *GRAIN/ LACTATION/ PENICILLIN, administration & dosage/
PREGNANCY/ *REPRODUCTION/ SOY BEANS/ SULFAMETHAZINE, administration & dosage/ *SWINE, physiology/ WEANING
4005. Younglai EV: Letter: two-hour plasma estrogen assay. Am J Obstet Gynecol 117:584-5, 15 Oct 73
*ESTRIOL, blood/ *ESTROGENS, blood/
FEMALE/ FETAL DISEASES, diagnosis/
GESTATIONAL AGE/ HUMAN/ METHODS/
PREGNANCY/ RADIOIMMUNOASSAY/ TIME FACTORS
4006. Younglai EV, Chul DH: Testicular function in sterile Steel mice. Biol Reprod 9:317-23, Oct 73
*ANDROGENS, biosynthesis/
ANDROSTENEDIONE, biosynthesis/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/
COMPARATIVE STUDY/ FSH, blood/ LH, blood/ MALE/ MICE/ *MICE, INBRED STRAINS, metabolism/ MUTATION/
PREGNENOLONE, metabolism/
PROGESTERONE, biosynthesis/
PROGESTERONE, metabolism/
RADIOIMMUNOASSAY/ *STERILITY, MALE, metabolism/ TESTIS, analysis/ *TESTIS, metabolism/ TESTOSTERONE, analysis/
TESTOSTERONE, biosynthesis/
TESTOSTERONE, blood/ TRITIUM
4007. Younglai EV, Sivakumaran T, McNabb AR: Pituitary-testicular function in a hypogonadal male subject. J Urol 110:410-2, Oct 73
FRACTURES, complications/ FSH, blood/
HUMAN/ HYDROCORTISONE, blood/
HYPOGONADISM, complications/
*HYPOGONADISM, physiopathology/
17-KETOSTEROIDS, urine/ LH, blood/
LUMBAR VERTEBRAE, injuries/ MALE/
MIDDLE AGE/ OSTEOPOROSIS, complications/
OSTEOPOROSIS, drug therapy/
PITUITARY-ADRENAL FUNCTION TESTS/
*PITUITARY GLAND, physiopathology/
*TESTIS, physiopathology/ TESTOSTERONE, blood/ TESTOSTERONE, therapeutic use
4008. Youson JH: Effects of mammalian corticotrophin on the ultrastructure of presumptive interrenal cells in the opisthonephros of the lamprey, Petromyzon marinus L. Am J Anat 138:235-51, Oct 73
*ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ *CYCLOSTOMES, anatomy & histology/ CYTOPLASMIC GRANULES/
EPITHELIAL CELLS/ EPITHELIUM, physiology/ GOLGI APPARATUS,

AUTHOR SECTION

- drug effects/ HISTOLOGY, COMPARATIVE/
INJECTIONS, INTRAPERITONEAL/ *KIDNEY,
cytology/ KIDNEY, drug effects/ KIDNEY,
physiology/ LARVA, drug effects/
MICROSCOPY, ELECTRON/ MITOCHONDRIA,
drug effects/ RIBOSOMES/ STIMULATION,
CHEMICAL/ SYNAPTIC VESICLES
4009. Yu JY, Fröhlich AA, Marquardt RR: Effects of estradiol and testosterone on cyclic AMP levels in certain tissues of domestic fowl (*Gallus domesticus*). *Comp Biochem Physiol [A]* 46:215-20, 1 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ COMPARATIVE STUDY/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LIVER, drug effects/ LIVER, metabolism/ MUSCLES, drug effects/ MUSCLES, metabolism/ ORGAN WEIGHT/ OVIDUCTS, drug effects/ OVIDUCTS, metabolism/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITIUM
4010. Yudis M, Greenberg S, Schrier RW: Letter: Correction of hyponatremia. *Ann Intern Med* 79:764-5, Nov 73
*DESOXYCORTICOSTERONE, therapeutic use/ DRUG COMBINATIONS/ *FUROSEMIDE, therapeutic use/ HUMAN/ *HYPONATREMIA, drug therapy
4011. Yune HY: Angiography of the parathyroids in primary hyperparathyroidism. *J Indiana State Med Assoc* 66:933-9, Oct 73
ADENOMA, radiography/ ADULT/ AGED/ *ANGIOGRAPHY/ CHILD/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, radiography/ MALE/ METHODS/ MIDDLE AGE/ *PARATHYROID GLANDS, radiography/ PARATHYROID NEOPLASMS, radiography
4012. Yusko SC, Neims AH: D-aspartate oxidase in mammalian brain and choroid plexus. *J Neurochem* 21:1037-9, Oct 73
D-AMINO ACID OXIDASE, analysis/ D-AMINO ACID OXIDASE, antagonists & inhibitors/ *AMINO ACID OXIDOREDUCTASES, analysis/ AMINO ACID OXIDOREDUCTASES, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ASPARTIC ACID/ BENZOATES, pharmacodynamics/ *BRAIN, enzymology/ BRAIN STEM, enzymology/ CEREBELLUM, drug effects/ CEREBELLUM, enzymology/ *CHOROID PLEXUS, enzymology/ ENZYME ACTIVATION/ FAD, pharmacodynamics/ HYPOTHALAMUS, enzymology/ MESENCEPHALON, enzymology/ PITUITARY GLAND, enzymology/ TARTRATES, pharmacodynamics
4013. Yusof K: Hydatidiform mole: problems in early diagnosis. *Med J Malaysia* 27:275-9, Jun 73
ADULT/ AGE FACTORS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, complications/ *HYDATIDIFORM MOLE, diagnosis/ MIDDLE AGE/ PARITY/ PREGNANCY
- Z**
4014. Zabransky S: Zur Hyperthyreose-Thyreoiditis und ihre Beziehung zum Diabetes mellitus. *Monatsschr Kinderheilkd* 121:405-7, Jul 73 (Ger)
CHILD/ *DIABETES MELLITUS, JUVENILE, complications/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ METHIMAZOLE, therapeutic use/ *THYROIDITIS, LYMPHOMATOUS, complications
4015. Zach HP, Werle E: Gewebsschädigung und Plasmakininogenspiegel. *Res Exp Med (Berl)* 161:89-100, 26 Jul 73 (Ger)
ALPHA GLOBULIN, analysis/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ CARCINOGENS/ DITERPENES, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FIBRINOGEN, analysis/ GONADOTROPINS, pharmacodynamics/ KININOGENS, blood/ *KININS, blood/ *PROTEIN PRECURSORS, blood/ RATS/ SERUM ALBUMIN, analysis/ THYROTROPHIN, pharmacodynamics/ *WOUNDS AND INJURY, blood
4016. Zacutti A, Brugnoli CA, Bisio G: Utilità dell'ecultrasonografico nelle emorragie del 3 trimestre. *Minerva Ginecol* 25:468-75, Aug 73
*ABRUPTIO PLACENTAE, diagnosis/ ADULT FEMALE/ HUMAN/ *PLACENTA DISORDER, diagnosis/ *PLACENTA PRAEVI, diagnosis/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, etiology/ *ULTRASONICS, diagnostic use/ *UTERINE HEMORRHAGE, etiology
4017. Zaffiri O, Piovesana A, Sauli M: Possibilità e limiti di terapia intensiva nella apoplessia. *Minerva Anestesiol* 39:360-3, Jul-Aug 73
ANTIBIOTICS, therapeutic use/ CEREBROVASCULAR DISORDERS, drug therapy/ *CEREBROVASCULAR DISORDERS, therapy/ FUROSEMIDE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ PHENOBARBITAL, therapeutic use/ RESPIRATION, ARTIFICIAL/ VASODILATOR AGENTS, therapeutic use
4018. Zagorodneva AG, Morgun EG, Oleinik IF, et al: Vliya simpaticheskoi nervnoi sistemy na obmennye protsessy v zheludke. *Fiziol Zh SSSR* 59:940-4, Jun 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DOGS/ ELECTRIC STIMULATION/ GASTRIC JUICE, metabolism/ GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, innervation/ GASTRIC MUCOSA, metabolism/ GASTRIC MUCOSA, secretion/ GLUTAMINASE, metabolism/ POTASSIUM, metabolism/ PROTEINS, metabolism/ RIBONUCLEASE, metabolism/ RNA, metabolism/ SODIUM, metabolism/ SPLANCHNIC NERVES, physiology/ STOMACH, metabolism/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ UREASE, metabolism
4019. Záhor J: "Hydrokéla" abdominálne retinovaného testis. *Rozhl Chir* 52:559-62, Aug 73
*ABDOMEN/ AUTOPSY/ *CRYPTORCHISM, complications/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCELE, etiology/ HYDROCELE, pathology/ INFANT, NEWBORN/ MALE
4020. Zaninovich AA: Thyroxine kinetics during prolonged estrogen administration. *J Clin Endocrinol Metab* 37:949-54, Dec 73
AGED/ ALKADIENES, therapeutic use/ DIETHYLSTILBESTROL, therapeutic use/ *ESTROGENS, therapeutic use/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ KINETICS MALE/ MIDDLE AGE/ *PHENOLS, therapeutic use/ *PROSTATIC NEOPLASMS, blood/ PROSTATIC NEOPLASMS, drug therapy/ *THYROXINE, blood/ THYROXINE, metabolism
4021. Zappi E: Histopathology of the early cryolesion in rabbit testis. *Cryobiology* 10:225-32, Aug 73
ANIMAL EXPERIMENTS/ *COLD/ EOSINOPHILS/ EPIDIDYMIS, pathology/ FREEZING/ HISTIOCYTES/ MALE/ RABBIT TESTIS, pathology
4022. Zárate A, Jacobs LS, Canales ES, et al: Functional evaluation of pituitary reserve in patients with the amenorrhea-galactorrhea syndrome utilizing luteinizing hormone-releasing hormone (LH-RH) and dopa and chlorpromazine. *J Clin Endocrinol Metab* 37:855-9, Dec 73
ADULT/ *AMENORRHEA, physiopathology/ *CHLORPROMAZINE, diagnostic use/ *DOPA, diagnostic use/ FEMALE/ FSH, blood/ HUMAN/ *LACTATION DISORDERS, physiopathology/ LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ *PITUITARY GLAND, physiopathology/

AUTHOR SECTION

- PITUITARY GLAND FUNCTION TESTS/
PROLACTIN, blood/ SYNDROME
23. Zárate A, Soria J, Canales ES, et al: Pituitary FSH and LH reserve in women with isolated gonadotropin deficiency. *Obstet Gynecol* 42:507-10, Oct 73
ADOLESCENCE/ ADULT/ AMENORRHEA, metabolism/ FEMALE/ FSH, blood/ *FSH, metabolism/ HUMAN/ *HYPOGONADISM, metabolism/ HYPOTHALAMUS, secretion/ LH, blood/ *LH, metabolism/ LH, secretion/ LH-FSH RELEASING HORMONE, administration & dosage/ PITUITARY GLAND, secretion/ STIMULATION, CHEMICAL
24. Zarrow MX, Eleftheriou BE, Denenberg VH: Sex and strain involvement in pheromonal facilitation of gonadotrophin-induced ovulation in the mouse. *J Reprod Fertil* 35:81-7, Oct 73
ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ *MICE, INBRED STRAINS/ *OVULATION, drug effects/ *PHEROMONES/ *SEX FACTORS
25. Zavadil M, Kobilková J: Dysfunkční endometria. *Cesk Patol* 9:113-28, Aug 73 (Cze)
BIOPSY/ ENDOMETRIAL HYPERPLASIA, metabolism/ ENDOMETRIUM, metabolism/ *ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ FEMALE/ HUMAN/ PROGESTERONE, metabolism/ UTERINE DISEASES, metabolism/ *UTERINE DISEASES, pathology
26. Zawilska K, Izrael V: Plaquettes et inflammation. *Patbol Biol (Paris)* 21:771-80, Sep 73 (70 ref.) (Fre)
ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ BACTERIA/ *BLOOD PLATELETS/ CAPILLARY PERMEABILITY/ CELL AGGREGATION/ COMPLEMENT/ ENDOTOXINS/ ENGLISH ABSTRACT/ GAMMA GLOBULIN/ HISTAMINE LIBERATION/ HUMAN/ IN VITRO/ *INFLAMMATION/ PHAGOCYTOSIS/ PROTAGLANDINS, physiology/ RABBITS/ REVIEW/ VIRUSES
27. Zawilska K, Owczarek L, Furmaniuk J: Hemofilia A powikłana krążącym antykoagulantem. *Acta Haematol Pol* 4:285-8, Jul-Sep 73 (Pol)
ADULT/ BLOOD TRANSFUSION/ ENGLISH ABSTRACT/ ERYTHROCYTES/ *FACTOR VIII, antagonists & inhibitors/ GLUCOCORTICOIDS, therapeutic use/ *HEMOPHILIA, blood/ HEMOPHILIA, drug therapy/ HEMOPHILIA, therapy/ HUMAN/ MALE
28. Zazgornik J, Kryspin-Exner K, Irsigler K: Über die ekrine Schweißdrüsenfunktion bei chronischen Alkoholikern. II. Der Magnesium- und Kalziumverlust im Schweiß und Harn wärmeexposition. *Wien Klin Wochenschr* 85:558-60, 17 Aug 73 (Ger)
ADULT/ ALCOHOLISM, blood/ ALCOHOLISM, metabolism/ ALCOHOLISM, urine/ *CALCIUM, metabolism/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ *HEAT/ HUMAN/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ MALE/ MIDDLE AGE/ SWEAT, analysis/ *SWEAT GLANDS, secretion
29. Zdichynec B: K problému klasifikace tyreopatií. *Cas Lek Cesk* 112:1304-5, 19 Oct 73 (Cze)
HUMAN/ *THYROID DISEASES, classification
30. Zee P van der, Hespe W: Influence of orphenadrine HCl and its N-demethylated derivatives on the in vitro uptake of noradrenaline and 5-hydroxytryptamine by rat brain slices. *Neuropharmacology* 12:843-51, Sep 73
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CARBON RADIOISOTOPES/ DESIPRAMINE, pharmacodynamics/ GERM-FREE LIFE/ IMIPRAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ *NOREPINEPHRINE, metabolism/ *ORPHENADRINE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism
4031. Zeřnalov RK, Vetrova LP: Vřilanie detsimetrovykb voln na aktivnost' simpatiko-adrenalovoi sistemy u bol'nykh parkinsonizmom. *Vopr Kurortol Fizioter Lech Fiz Kult* 38:343-6, Jul-Aug 73 (Rus)
ADRENAL GLANDS, physiology/ ADULT/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PARKINSONISM, therapy/ *PHYSICAL THERAPY/ SYMPATHETIC NERVOUS SYSTEM, physiology
4032. Zellweger H, Ionasescu V: Myotonic dystrophy and its differential diagnosis. *Acta Neurol Scand [Suppl]* 49:5-28, 1973
ADULT/ CATARACT, etiology/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GASTROINTESTINAL MOTILITY/ HEART DISEASES, etiology/ HUMAN/ HYPOGONADISM, etiology/ INFANT/ INFANT, NEWBORN/ MALE/ MENTAL RETARDATION, etiology/ MUSCLE, SMOOTH, physiology/ *MUSCLES, physiology/ MUSCULAR ATROPHY, etiology/ MYOTONIA ATROPHICA, complications/ *MYOTONIA ATROPHICA, diagnosis/ MYOTONIA ATROPHICA, familial & genetic/ MYOTONIA ATROPHICA, metabolism/ MYOTONIA CONGENITA, complications/ *MYOTONIA CONGENITA, diagnosis/ MYOTONIA CONGENITA, familial & genetic/ MYOTONIA CONGENITA, metabolism/ PROGNOSIS/ SPEECH DISORDERS, etiology
4033. Zeuthen E, Nielsen J, Yde H: XYY males found in a general male population. Cytogenetic and physical examination. *Hereditas* 74:283-90, 1973
BODY HEIGHT/ BODY WEIGHT/ DENMARK/ HUMAN/ MALE/ MASS SCREENING/ MILITARY MEDICINE/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES, occurrence
4034. Zeuthen E, Nielsen J: Prevalence of chromosome abnormalities among males examined for military service. *Clin Genet* 4:422-8, 1973
ADULT/ BODY HEIGHT/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, familial & genetic/ *CHROMOSOME ABNORMALITIES, occurrence/ *CHROMOSOMES, HUMAN, 19-20/ DENMARK/ HUMAN/ INTELLIGENCE TESTS/ KARYOTYPING/ LEUKOCYTES, cytology/ MALE/ MENTAL RETARDATION, familial & genetic/ MILITARY MEDICINE/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES, occurrence/ TESTIS, anatomy & histology
4035. Zhuchikhina AA, Etingof RN: Vřilanie 3',5'-tsiklicheskoř AMF na NAD-kinaznuu aktivnost' naruzhnykh segmentov setochatki. *Dokl Akad Nauk SSSR* 212:996-9, 1 Oct 73 (Rus)
ADAPTATION, OCULAR/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ IN VITRO/ NAD/ *PHOSPHOTRANSFERASES, metabolism/ *RETINA, drug effects
4036. Ziegler MG, Lovell RA, Freedman DX: Effects of lysergic acid diethylamide on the uptake and retention of brain 5-hydroxytryptamine in vivo and in vitro. *Biochem Pharmacol* 22:2183-93, 1 Sep 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ DRUG INTERACTIONS/ HYDROXYINDOLEACETIC ACID, metabolism/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ LYSERGIC ACID DIETHYLAMIDE, administration & dosage/ *LYSERGIC ACID DIETHYLAMIDE,

AUTHOR SECTION

- pharmacodynamics/ MALE/ MESENCEPHALON, metabolism/ NEURONS, drug effects/ OUABAIN, pharmacodynamics/ PARGYLINE, pharmacodynamics/ RATS/ RESERPINE, administration & dosage/ RESERPINE, pharmacodynamics/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM
4037. Zieher LM, Jaim-Etcheverry G: Regional differences in the long-term effect of neonatal 6-hydroxydopa treatment on rat brain noradrenaline. *Brain Res* 60:199-207, 28 Sep 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ BRAIN STEM, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ DIENCEPHALON, metabolism/ *DOPA, pharmacodynamics/ DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ MYOCARDIUM, metabolism/ *NOREPINEPHRINE, metabolism/ RATS/ SALIVARY GLANDS, metabolism/ TELENCEPHALON, metabolism
4038. Zigmond MJ, Stricker EM: Recovery of feeding and drinking by rats after intraventricular 6-hydroxydopamine or lateral hypothalamic lesions. *Science* 182:717-20, 16 Nov 73
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ CATECHOLAMINES, analysis/ DENERVATION/ *DRINKING BEHAVIOR, drug effects/ *FEEDING BEHAVIOR, drug effects/ *HYDROXYDOPAMINE, pharmacodynamics/ *HYPOTHALAMUS, physiology/ METHYLTYROSINES, pharmacodynamics/ PARGYLINE, pharmacodynamics/ RATS
4039. Zilov VG: Effect of sensorimotor cortex cooling on mesencephalic reticular neurons. *Neurosci Behav Physiol* 6:103-8, Apr-Jun 73
ANIMAL EXPERIMENTS/ CATS/ *CEREBRAL CORTEX, physiology/ *COLD/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ HEAT/ HYPOTHALAMUS, physiology/ NEURAL INTERCONNECTIONS, physiology/ *NEURONS, physiology/ *RETICULAR FORMATION, physiology/ SCIATIC NERVE, physiology
4040. Zimmerman BG, Ryan MJ, Gomer S, et al: Effect of the prostaglandin synthesis inhibitors indomethacin and elcosa-5,8,11,14-tetraenoic acid on adrenergic responses in dog cutaneous vasculature. *J Pharmacol Exp Ther* 187:315-23, Nov 73
ANIMAL EXPERIMENTS/ ARTERIES, metabolism/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ELECTRIC STIMULATION/ *FATTY ACIDS, UNSATURATED, pharmacodynamics/ *INDOMETHACIN, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ *SKIN, blood supply/ SKIN, drug effects/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS/ TRITIUM/ VASOCONSTRICTOR AGENTS, pharmacodynamics
4041. Zimmerman EA, Carmel PW, Husaln MK, et al: Vasopressin and neurophysin: high concentrations in monkey hypophyseal portal blood. *Science* 182:925-7, 20 Nov 73
ANIMAL EXPERIMENTS/ AXONS, analysis/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, blood supply/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, innervation/ MACACA/ MONKEYS/ NEUROPHYSINS, analysis/ *NEUROPHYSINS, blood/ PEROXIDASES/ *PITUITARY GLAND, blood supply/ RADIOIMMUNOASSAY/ *VASOPRESSIN, blood
4042. Zimmermann E, Critchlow V: Inhibition of morphine-induced pituitary-adrenal activation by dexamethasone in the female rat. *Proc Soc Exp Biol Med* 143:1224-6, Sep 73
ANIMAL EXPERIMENTS/ *CORTICOSTEROID blood/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ ETHYL ETHERS, pharmacodynamics/ FEMALE/ *MORPHINE, antagonists & inhibitors/ *PITUITARY-ADRENAL SYSTEM, drug effects/ RATS/ TIME FACTORS
4043. Zink HA, Palmberg PF, Bigger JF: Increased sensitivity to theophylline associated with primary open-angle glaucoma. *Invest Ophthalmol* 12:603-7, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DEXAMETHASONE, diagnostic use/ DNA, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRUG HYPERSENSITIVITY, etiology/ *GLAUCOMA, familial & genetic/ HUMAN/ INTRAOCULAR PRESSURE, drug effects/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, drug effects/ METABOLISM, INBORN ERRORS, complications/ OPHTHALMIC SOLUTIONS/ PHOSPHATES, pharmacodynamics/ *PREDNISOLONE, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM
4044. Ziprick HF: Rupture of the uterus followed by Sheehan's syndrome, candidemia, and multiple complications. *Trans Pac Coast Obstet Gynecol Soc* 40:74-9, 1973
ADULT/ CARDIAC TAMPONADE, etiology/ ENDOCRINE DISEASES, etiology/ FEMALE/ FEVER, etiology/ HUMAN/ HYPOGLYCEMIA, etiology/ *HYPOPITUITARISM, etiology/ *MONILIASIS, etiology/ PNEUMONIA, etiology/ *PUERPERAL DISORDERS, etiology/ SHEEHAN'S SYNDROME, etiology/ *UTERINE RUPTURE, complications
4045. Zlatkina TI, Podgorodnikova NA: Ob otsenke D-vitaminnoi nedostatochnosti pri tuberkuleze legkikh. *Probl Tuberk* 51:48-9, 1973
ALKALINE PHOSPHATASE, blood/ CALCIUM blood/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ PHOSPHORUS, blood/ *TUBERCULOSIS, PULMONARY, complications/ TUBERCULOSIS, PULMONARY, enzymology/ VITAMIN D DEFICIENCY, enzymology/ *VITAMIN D DEFICIENCY, etiology
4046. Zloch Z: Der Einfluss von Bioflavonoiden auf die Verwertung des C-Vitaminwertes der kristallisierten L-Dehydroascorbinsäure. *Int J Vitam Nutr Res* 43:378-86, 1973
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, blood/ ASCORBIC ACID, metabolism/ *ASCORBIC ACID, therapeutic use/ BENZOPYRANS, therapeutic use/ BIOFLAVONOIDS, pharmacodynamics/ *BIOFLAVONOIDS, therapeutic use/ BRAIN, metabolism/ CATECHOL, therapeutic use/ DRUG STABILITY/ ENGLISH ABSTRACT/ GUINEA PIGS/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ OXIDATION-REDUCTION/ RUTIN, pharmacodynamics/ RUTIN, therapeutic use/ *SCURVY, drug therapy/ SPLEEN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP
4047. Zolovick A, Labhsetwar AP: Letter: Evidence for the theory of dual hypothalamic control of ovulation. *Nature* 245:158-9, 21 Sep 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DOPAMINE, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *HYPOTHALAMUS, physiology/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ *OVULATION/ OVULATION, drug effects/ PHENOXYBENZAMINE, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ SEROTONIN, antagonists & inhibitors/

AUTHOR SECTION

- SEROTONIN, pharmacodynamics/
STARVATION
48. Zor U, Koch Y, Lamprecht SA, et al: Mechanism of oestradiol action on the rat uterus: Independence of cyclic AMP, prostaglandin E2 and beta-adrenergic mediation. *J Endocrinol* 58:525-33, Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ADENYL
CYCLASE, analysis/ ANIMAL EXPERIMENTS/
CARBOXY-LYASES, analysis/ *ESTRADIOL,
pharmacodynamics/ FEMALE/
ISOPROTERENOL, antagonists & inhibitors/
*ISOPROTERENOL, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/
*PROSTAGLANDINS, pharmacodynamics/
RATS/ STIMULATION, CHEMICAL/ UTERUS,
analysis/ *UTERUS, drug effects/ UTERUS,
enzymology
49. Zorngliotti AW, Macleod J: Studies in temperature, human semen quality, and varicocele. *Fertil Steril* 24:854-63, Nov 73
ADULT/ *BODY TEMPERATURE/ CELL
COUNT/ HUMAN/ MALE/ ORGAN WEIGHT/
POSTURE/ SCROTUM/ *SEMEN, analysis/
SPERMATOGENESIS/ SPERMATOZOA,
cytology/ STERILITY, MALE, etiology/
TESTIS/ TESTIS, pathology/ TYMPANIC
MEMBRANE/ *VARICOCELE, complications
50. Zsoter TT, Sufflad K: Effect of hydrochlorothiazide on calcium kinetics in blood vessels. *Can J Physiol Pharmacol* 51:579-82, Aug 73
ANIMAL EXPERIMENTS/ *BLOOD VESSELS,
drug effects/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/
*HYDROCHLOROTHIAZIDE,
pharmacodynamics/ IN VITRO/ KINETICS/
MALE/ MESENTERIC VEINS, drug effects/
*MUSCLE, SMOOTH, metabolism/
NOREPINEPHRINE, antagonists & inhibitors/
RABBITS/ TIME FACTORS/
VASOCONSTRICTOR AGENTS, antagonists & inhibitors
51. Zuckerman H, Carmel S: The inhibition of lactation by clomiphene. *J Obstet Gynaecol Br Commonw* 80:822-3, Sep 73
ADULT/ CLOMIPHENE, administration &
dosage/ *CLOMIPHENE, pharmacodynamics/
COMPARATIVE STUDY/ FEMALE/ HUMAN/
*LACTATION, drug effects/ PLACEBOS/
PREGNANCY
52. Zurcher H, Sakoloff C, Burger A, et al: Importance clinique de la triiodothyronine sérique. *Schweiz Med Wochenschr* 103:1710-3, 1 Dec 73 (Fre)
ARRHYTHMIA, blood/ DIAGNOSIS,
DIFFERENTIAL/ ENGLISH ABSTRACT/
GOITER, blood/ GOITER, EXOPHTHALMIC,
blood/ GOITER, NODULAR, blood/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ METHODS/
PROTEIN BINDING/ PROTEIN-BOUND
IODINE TEST/ *TRIIODOTHYRONINE, blood
53. Zurier RB, Hoffstein S, Weissmann G: Suppression of acute and chronic inflammation in adrenalectomized rats by pharmacologic amounts of prostaglandins. *Arthritis Rheum* 16:606-18, Sep-Oct 73
ACUTE DISEASE/ ADJUVANTS,
IMMUNOLOGIC/ ADRENAL GLANDS, drug
effects/ ADRENALECTOMY/ ANIMAL
EXPERIMENTS/ ANTI-INFLAMMATORY
AGENTS, pharmacodynamics/ ARTHRITIS,
chemically induced/ *ARTHRITIS, drug
therapy/ ARTHRITIS, enzymology/
ARTHRITIS, immunology/ CHRONIC DISEASE/
DISEASE MODELS, ANIMAL/ EXUDATES
AND TRANSUDATES, enzymology/
GLUCURONIDASE, metabolism/
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DEHYDROGENASE, metabolism/
MYCOBACTERIUM TUBERCULOSIS,
immunology/ PHAGOCYTOSIS/ PITUITARY
GLAND, drug effects/ *PROSTAGLANDINS,
therapeutic use/ RATS/ STIMULATION,
CHEMICAL
4054. Zurier RB, Mitnick H, Bloomgarden D, et al: Effect of bee venom on experimental arthritis. *Ann Rheum Dis* 32:466-70, Sep 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
ANTIBODIES, analysis/ ARTHRITIS,
chemically induced/ *ARTHRITIS, drug
therapy/ ARTHRITIS, immunology/ *BEES/
CORTICOSTERONE, blood/ FREUND'S
ADJUVANT/ HEMATOCRIT/ INJECTIONS,
INTRAPERITONEAL/ INJECTIONS,
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MALE/ PHOSPHOLIPASE, therapeutic use/
PROSTAGLANDINS, therapeutic use/ RATS/
VENOMS, administration & dosage/ *VENOMS,
therapeutic use
4055. Zusman J, Brown DM, Nesbit ME: Hyperphosphatemia, hyperphosphaturia and hypocalcemia in acute lymphoblastic leukemia. *N Engl J Med* 289:1335-40, 20 Dec 73
ADOLESCENCE/ ALLOPURINOL, therapeutic
use/ ASPARAGINASE, therapeutic use/
BLOOD UREA NITROGEN/ CALCIUM, blood/
CALCIUM, urine/ CALCIUM, DIETARY,
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HUMAN/ *HYPOCALCEMIA, etiology/
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blood/ *PHOSPHATES, metabolism/
PHOSPHATES, urine/ PREDNISONE,
therapeutic use/ PROSPECTIVE STUDIES/
URIC ACID, blood/ VINCRISTINE, therapeutic
use
4056. Zuspan FP, Zuspan KJ: Ovulatory plasma amine (epinephrine and norepinephrine) surge in the woman. *Am J Obstet Gynecol* 117:654-61, 1 Nov 73
BODY TEMPERATURE/ CHROMATOGRAPHY/
CREATINE, urine/ *EPINEPHRINE, blood/
EPINEPHRINE, urine/ FEMALE/
FLUOROMETRY/ FSH, blood/ HUMAN/ LH,
blood/ MENSTRUATION/ *NOREPINEPHRINE,
blood/ NOREPINEPHRINE, urine/
*OVULATION/ TRITIUM

ANONYMOUS

- Am J Med
4057. Clinical conference: Hyperparathyroidism. *Am J Med* 55:657-68, Nov 73
AUTOPSY/ *BONE AND BONES, pathology/
CALCIUM, blood/ CASE REPORT/ FIBROUS
DYSPLASIA OF BONE, complications/
FRACTURES, UNUNITED, etiology/ HEART
ENLARGEMENT/ HUMAN/
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HYPERPARATHYROIDISM, complications/
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PULMONARY EDEMA, complications/

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PYELONEPHRITIS, complications/ UREMIA, complications/ VITAMIN D, therapeutic use

Ann Intern Med

4058. Clinical conference: Hyperparathyroidism: recent studies. Ann Intern Med 79:566-81, Oct 73
ACIDOSIS, etiology/ ADENOMA, diagnosis/ ANGIOGRAPHY/ BICARBONATES, blood/ BIOPSY/ BODY WEIGHT/ CALCIUM, blood/ ELECTROMYOGRAPHY/ HUMAN/ HYPERCALCEMIA, complications/ HYPERCALCEMIA, drug therapy/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, radiography/ HYPERPARATHYROIDISM, surgery/ MAGNESIUM, blood/ MUSCLES, pathology/ NEUROLOGIC MANIFESTATIONS/ NEUROMUSCULAR DISEASES, etiology/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, analysis/ PARATHYROID NEOPLASMS, diagnosis/ PHOSPHATES, therapeutic use/ POSTOPERATIVE COMPLICATIONS/ POTASSIUM, blood/ RADIOIMMUNOASSAY/ URIC ACID, blood

4059. Clinical conference: Essential hypertension: new concepts about mechanisms. Ann Intern Med 79:411-24, Sep 73
*ADRENAL CORTEX HORMONES, secretion/ *ADRENAL GLANDS, secretion/ ADULT/ ALDOSTERONE, blood/ ALDOSTERONE, metabolism/ ANGIOTENSIN, blood/ HUMAN/ HYDROXYCORTICOSTEROIDS, blood/ *HYPERTENSION, etiology/ HYPERTENSION, physiopathology/ *KIDNEY, physiopathology/ MIDDLE AGE/ PROGESTERONE, blood/ RENIN, blood

Arch Intern Med

4060. Therapeutic grand rounds number 5. The differential diagnosis of hirsutism and virilism. Arch Intern Med 132:816-9, Oct 73
ADRENAL GLANDS, drug effects/ ADULT/ CLITORIS/ CONTRACEPTIVES, ORAL, therapeutic use/ DEXAMETHASONE, pharmacodynamics/ DEXAMETHASONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENS, pharmacodynamics/ FEMALE/ HIRSUTISM, complications/ *HIRSUTISM, diagnosis/ HIRSUTISM, drug therapy/ HIRSUTISM, etiology/ HIRSUTISM, therapy/ HUMAN/ HYPERTROPHY/ 17-KETOSTEROIDS, urine/ LEYDIG CELL TUMOR/ MALE/ OBESITY, complications/ OVARY, drug effects/ TESTOSTERONE, analysis/ TESTOSTERONE, metabolism/ *VIRILISM, diagnosis

Br J Cancer

4061. Role of immunity in therapy of human cancer. Discussion. Br J Cancer 299-300, Aug 73
ANIMAL EXPERIMENTS/ ANTIBODIES, NEOPLASM, analysis/ BCG VACCINATION/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ GONADOTROPINS, CHORIONIC/ GRAFT REJECTION/ HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ IMMUNE SERUMS/ IMMUNIZATION/ IMMUNOTHERAPY/ LEUKEMIA, immunology/ LYMPHOCYTES, immunology/ *NEOPLASMS, therapy/ NITROBENZENES/ PLANT AGGLUTININS

Br Med J

4062. Editorial: Sleep and metabolism. Br Med J 3:650, 29 Sep 73
ADRENAL CORTEX HORMONES, blood/ ADULT/ BLOOD SUGAR/ BODY WEIGHT/ CHILD/ DWARFISM, metabolism/ FEEDING BEHAVIOR/ GROWTH/ HUMAN/ LH, blood/ PROLACTIN, blood/ PROTEINS, biosynthesis/ *SLEEP/ SLEEP STAGES/ *SOMATOTROPIN, blood/ STARVATION
4063. Editorial: Extra-articular lesions of rheumatoid arthritis. Br Med J 3:651, 29 Sep 73
ADRENAL CORTEX HORMONES, adverse effects/ *ARTHRITIS, RHEUMATOID,

complications/ ARTHRITIS, RHEUMATOID, drug therapy/ CORTICOTROPIN, adverse effects/ HUMAN/ NERVOUS SYSTEM DISEASES, chemically induced/ PROGNOSIS/ PULMONARY FIBROSIS, complications/ VASCULAR DISEASES, chemically induced

4064. Editorial: Mucinous tumours of the ovary. Br Med J 3:603, 22 Sep 73
CYSTADENOMA, MUCINOUS, complications/ CYSTADENOMA, MUCINOUS, mortality/ *CYSTADENOMA, MUCINOUS, pathology/ CYSTADENOMA, MUCINOUS, surgery/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, mortality/ *OVARIAN NEOPLASMS, pathology

4065. Editorial: Hidden adrenocortical insufficiency. Br Med J 4:5-6, 6 Oct 73
ADDISON'S DISEASE, diagnosis/ ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENALECTOMY/ HUMAN/ HYPOTENSIC INSULIN, diagnostic use/ PIGMENTATION DISORDERS/ POTASSIUM, blood/ SODIUM, blood

4066. Editorial: Cytotoxic drugs and lupus nephritis. Br Med J 4:8, 6 Oct 73
*ANTINEOPLASTIC AGENTS, therapeutic use/ AZATHIOPRINE, therapeutic use/ BIOPSY/ CYCLOPHOSPHAMIDE, therapeutic use/ HEPARIN, therapeutic use/ HUMAN/ KIDNEY, pathology/ *KIDNEY DISEASES, drug therapy/ KIDNEY FAILURE, CHRONIC drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ PREDNISONE, therapeutic use

Chin Med J

4067. [Clinicopathological discussion. No. 6. Progress weight loss, weakness, decrease of sexual function and increased hypersensitivity to pancreatic juice] Chin Med J 8:509-12, 1973 (C)
ADULT/ CASE REPORT/ DIABETES MELLITUS, diagnosis/ DIABETES MELLITUS, pathology/ FEMALE/ HUMAN/ PITUITARY DISEASES, diagnosis/ *PITUITARY DISEASE, pathology/ PITUITARY GLAND, physiopathology
4068. [Relationship between acupuncture analgesia and neurotransmitters in the brain] Chin Med J 8:478-86, 1973 (C)
*ACUPUNCTURE/ AMINO BUTYRIC ACID, metabolism/ *ANALGESIA/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ ENGLISH ABSTRACT/ NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ RABBITS/ SEROTONIN, metabolism

4069. [Preliminary report on sex determination by sex chromatin of trophocytes during early pregnancy] Chin Med J 9:521-4, 1973 (C)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *PREGNANCY/ *SEX CHROMATIN/ *SEX DETERMINATION/ TIME FACTORS

4070. [Treatment of choriocarcinoma and choriadenoma destruens with high dosage chemotherapy] Chin Med J 2:101-9, 1973 (C)
*ANTINEOPLASTIC AGENTS, therapeutic use/ *CHORIOADENOMA, drug therapy/ *CHORIOCARCINOMA, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *UTERINE NEOPLASMS, drug therapy

4071. [Analysis of the effectiveness of acupuncture anesthesia in thyroidectomy] Chin Med J 2:74-7, 1973 (C)
*ACUPUNCTURE/ *ANESTHESIA/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ THYROID DISEASES, surgery/ *THYROIDECTOMY

4072. [Initial experience in application of a combination Chinese and Western medicine to treat acute myocardial infarct] Chin Med J 1:29-32, 1973 (C)

AUTHOR SECTION

- AGED/ CHINA/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ HYDROCORTISONE,
therapeutic use/ MALE/ *MEDICINE,
ORIENTAL/ MIDDLE AGE/ *MYOCARDIAL
INFARCT, drug therapy/ PLANTS,
MEDICINAL
4073. [Treatment of choriocarcinoma and chorioadenoma
destruens with high dosage chemotherapy]
Chin Med J 2:101-9, 1973 (Chi)
*ANTINEOPLASTIC AGENTS, therapeutic use/
*CHORIOADENOMA, drug therapy/
*CHORIOCARCINOMA, drug therapy/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*UTERINE NEOPLASMS, drug therapy
4074. [Analysis of the effectiveness of acupuncture
anesthesia in thyroidectomy]
Chin Med J 2:74-7, 1973 (Chi)
*ACUPUNCTURE/ *ANESTHESIA/ ENGLISH
ABSTRACT/ HUMAN/ METHODS/ THYROID
DISEASES, surgery/ *THYROIDECTOMY
- Environ Res
4075. Measurement of annoyance due to exposure to
environmental factors. The fourth Karolinska
Institute Symposium on Environmental Health.
Environ Res 8:1-36, Mar 73
AIR POLLUTION/ AUTONOMIC NERVOUS
SYSTEM, physiology/ BEHAVIOR/
CATECHOLAMINES, physiology/ CENTRAL
NERVOUS SYSTEM, physiology/ COSTS AND
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PSYCHOPHYSIOLOGY/ RESEARCH DESIGN/
RESIDENTIAL MOBILITY/ SOCIAL
CONTROL, FORMAL/ *STRESS,
PSYCHOLOGICAL
- J Cancer
4076. Standards for the assessment of estrogen receptors in
human breast cancer. Report of a workshop on
September 29, 1972, at the Antoni van
Leeuwenhoek-Huis, Amsterdam.
Eur J Cancer 9:379-81, May 73
ADSORPTION/ *BREAST NEOPLASMS,
metabolism/ CHARCOAL/ *ESTROGENS,
metabolism/ FEMALE/ HUMAN/ METHODS/
RECEPTORS, HORMONE/ TISSUE EXTRACTS
- Geriatrics
4077. Advanced cancer: New concepts of medical therapy.
Geriatrics 28:51-72, Nov 73
ANTIBIOTICS, ANTINEOPLASTIC, therapeutic
use/ ANTINEOPLASTIC AGENTS, therapeutic
use/ BREAST NEOPLASMS, drug therapy/
CHORIOCARCINOMA, drug therapy/ COLONIC
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*NEOPLASMS, drug therapy/ NEOPLASMS,
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PROGESTATIONAL HORMONES, therapeutic
use/ TERATOID TUMOR, drug therapy/
TESTICULAR NEOPLASMS, drug therapy/
UTERINE NEOPLASMS, drug therapy
- Chromatogr
4078. Bibliography of paper and thin-layer chromatography
1966-1969. Elucidation of the primary structure of
peptides and proteins. J Chromatogr 369-86, 1972
AMINO ACID SEQUENCE/ *BIBLIOGRAPHY/
BLOOD PROTEINS/ *CHROMATOGRAPHY/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/ DANSYL
COMPOUNDS/ ELECTROPHORESIS/
FIBRINOGEN/ IMMUNOGLOBULINS/ MUSCLE
PROTEINS/ NITROPHENOLS/ PEPTIDE
CHAIN TERMINATION/ *PEPTIDES/
*PROTEINS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ THIOHYDANTOINS
4079. Bibliography of paper and thin-layer chromatography
1966-1969. Steroids. J Chromatogr 246-85, 1972
ALCOHOLS/ ANDROSTANES/ ANIMAL
EXPERIMENTS/ *BIBLIOGRAPHY/ BILE
ACIDS AND SALTS/ BIODEGRADATION/
BOOK REVIEWS/ *CHROMATOGRAPHY/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
ESTROGENS/ PLANTS/ PREGNANES/
SACCHAROMYCES CEREVISIAE/ *STEROIDS/
STEROLS/ TISSUE EXTRACTS
4080. Bibliography of paper and thin-layer chromatography
1966-1969. Vitamins. J Chromatogr 498-517, 1972
ASCORBIC ACID/ *BIBLIOGRAPHY/ BIOTIN/
*CHROMATOGRAPHY/ CHROMATOGRAPHY,
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COENZYME A/ ERGOCALCIFEROL/ FATS/
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PANTOTHENIC ACID/ PTERIDINES/
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VITAMIN B 12/ VITAMIN E/ VITAMIN K/
*VITAMINS/ WATER
4081. Column chromatography.
J Chromatogr 85:Suppl:B383-9, 10 Oct 73
ALCOHOLS/ AMINO ACIDS/ ANTIBIOTICS/
*BIBLIOGRAPHY/ CARBOHYDRATES/
CARBOXYLIC ACIDS/ *CHROMATOGRAPHY,
ION EXCHANGE/ DYES/ ENZYMES/ *GEL
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4082. Thin-layer chromatography.
J Chromatogr 85:Suppl:B374-8, 10 Oct 73
ALCOHOLS/ ALKALOIDS/ AMIDES/ AMINES/
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*BIBLIOGRAPHY/ CARBOHYDRATES/
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4083. Bibliography section. Paper chromatography.
J Chromatogr 85:Suppl:B371-4, 10 Oct 73
AMIDES/ AMINES/ AMINO ACIDS/
*BIBLIOGRAPHY/ CARBOHYDRATES/
CARBOXYLIC ACIDS/ *CHROMATOGRAPHY,
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4084. Gas chromatography.
J Chromatogr 85:Suppl:B400-5, 10 Oct 73
ALCOHOLS/ AMINO ACIDS/ ANTIBIOTICS/
*BIBLIOGRAPHY/ CARBOHYDRATES/
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ORGANOMETALLIC COMPOUNDS/ PLASTICS/
PURINES/ PYRIMIDINES/ RADIOISOTOPES/
STERIODS/ VITAMINS
- J Nucl Med
4085. Mird-dose estimate report no. 2. Summary of current
radiation dose estimates to humans from ⁶⁶Ga-, ⁶⁸Ga-,
and ⁷²Ga-citrate. J Nucl Med 14:755-6, Oct 73
BODY BURDEN/ BONE AND BONES,
radiation effects/ BONE MARROW, radiation
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AUTHOR SECTION

- KIDNEY, radiation effects/ MALE/
*RADIATION DOSAGE/ *RADIOISOTOPES/
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- J Tenn Med Assoc**
4086. Primary hyperaldosteronism. Case presentation.
J Tenn Med Assoc 66:937-9, Oct 73
ADENOMA, complications/ *ADENOMA,
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*HYPERALDOSTERONISM, pathology/
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- JAMA**
4087. Letter: Double-blind studies in dermatology.
JAMA 226:1229-30, 3 Dec 73
CLINICAL RESEARCH/ DERMATITIS, drug
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- Lancet**
4088. Editorial: Antilymphocyte globulin.
Lancet 2:834, 13 Oct 73
*ANTILYMPHOCYTE SERUM,
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4089. Editorial: Prostaglandins and the uterus.
Lancet 2:829-30, 13 Oct 73
ABORTION, INDUCED/ ADMINISTRATION,
ORAL/ FEMALE/ HUMAN/ INJECTIONS,
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4090. Editorial: I.P.P.F. at twenty-one.
Lancet 2:1010-1, 3 Nov 73
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4091. Editorial: The gastrointestinal hormones.
Lancet 2:1180-2, 24 Nov 73
CHOLECYSTOKININ, secretion/ DUODENAL
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4092. Letter: Growth hormone in acromegaly.
Lancet 2:913, 20 Oct 73
*ACROMEGALY, blood/ ACROMEGALY,
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- SOMATOTROPIN RELEASING HORMONE,
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RELEASING HORMONE, secretion
4093. Letter: Anencephaly, ovulation stimulation,
subfertility, and illegitimacy. Lancet 2:916-7, 20 Oct 73
ADULT/ AGE FACTORS/ *ANENCEPHALUS,
chemically induced/ ANENCEPHALUS,
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4094. Editorial: Sodium and the pressor role of angiotensin
Lancet 2:1065-6, 10 Nov 73
ALDOSTERONE, secretion/ ANGIOTENSIN,
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4095. Editorial: Streptozotocin for islet-cell carcinoma.
Lancet 2:1063-4, 10 Nov 73
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*STREPTOZOTOCIN, therapeutic use
4096. Editorial: Calcitonin in search of a function.
Lancet 2:771-2, 6 Oct 73
ANIMAL EXPERIMENTS/ BIRDS/ BONE AND
BONES, metabolism/ CALCITONIN,
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4097. Editorial: Fetoplacental function tests.
Lancet 2:947-8, 27 Oct 73
ALKALINE PHOSPHATASE, metabolism/
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4098. Editorial: Lymphocytes reactive to autoantigens.
Lancet 2:949-50, 27 Oct 73
ANTIBODY FORMATION/
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AUTHOR SECTION

- HUMAN/ HYPERTHYROIDISM, immunology/
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99. Letter: Raised plasma-T.S.H. levels in thyrotoxic patients treated with iodine-131.
Lancet 2:963-4, 27 Oct 73
FEMALE/ HUMAN/ *IODINE
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*THYROID DISEASES, radiotherapy/
*THYROTROPIN, blood/ TRIGLYCERIDES,
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100. Letter: Fetoplacental function tests.
Lancet 2:1092-3, 10 Nov 73
AMINOPEPTIDASES, analysis/
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PLACENTAL LACTOGEN, blood/
PREGNANCY/ *PREGNANCY
COMPLICATIONS/ PRENATAL DIAGNOSIS/
RADIOIMMUNOASSAY
- d J Aust
101. Hormone receptors. Med J Aust 2:150-1, 28 Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENYL CYCLASE, metabolism/
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102. Editorial: Depression and the pill.
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105. Welche Diagnose würden Sie stellen.
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4108. Pancuronium. Med Lett Drugs Ther 15:83, Sep 73
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4109. Clinical conference: The coed with mysterious mono.
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4110. Lactational tetany in cats.
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- N Engl J Med
4111. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 48-1973.
N Engl J Med 289:1186-93, 29 Nov 73
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4112. Clinicopathologic conference: Acute illness with elevated serum amylase.
NY State J Med 73:2461-72, 15 Oct 73
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4113. Editorial: Sarcoidosis. NZ Med J 78:77, 25 Jul 73
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4114. Editorial: Treatment of oat-celled carcinoma of the bronchus. NZ Med J 78:171-2, 22 Aug 73
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4115. Stellen Sie die Diagnose.

Paediatr Paedol 8:420-2, 1973 (Ger)

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Probl Endokrinol (Mosk)

4116. Pamiati I.A. Eskina.

Probl Endokrinol (Mosk) 19:123-4, Sep-Oct 73 (Rus)

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis,
Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

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*See also more specific terms

PITUITARY

1. Physical and Functional Aspects

PITUITARY GLAND

- Direct ultrasonic irradiation of the hypophysis in diabetic retinopathy. Ricci V, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 204:237-48, 12 Oct 73
- Selective microvascular constrictor actions of some neurohypophyseal peptides. Altura BM.
Eur J Pharmacol 24:49-60, Oct 73
- The effects of ICI 46,474 on ovum transport and implantation in the rat. Major JS, et al.
J Reprod Fertil 36:117-24, Jan 74
- Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Lahsetwar AP, et al.
Nature [New Biol] 246:55-6, 14 Nov 73
- Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Kalra SP, et al.
Neuroendocrinology 12:321-33, 1973
- [Stimulation in vitro of single human fetal pituitary glands] Serra GB.
Folia Endocrinol (Roma) 26:257-67, Aug 73 (Eng. Abstr.) (Ita)
- [Motor activity of the stomach in the Black Sea skate *Dasyatis pastinaca*] Czgzian DM, et al.
Zh Evol Biokhim Fiziol 9:536-9, Sep-Oct 73 (Eng. Abstr.) (Rus)

ABNORMALITIES

- The empty sella syndrome. Virilization in a 59-year-old woman. Shore RN, et al. JAMA 227:69-70, 7 Jan 74
- [Empty sella syndrome following removal of suprasellar epidermoid] Malukiewicz W, et al.
Neurol Neurochir Pol 7:745-8, Sep-Oct 73 (Pol)

ANALYSIS

- Blockade of the surge of prolactin at pro-oestrus by administration of anti-oestrogenic substance, MER-25. Yokoyama A, et al.
Acta Endocrinol (Kbh) 74:769-74, Dec 73
- The effect of oxytocin antihodies on the litter size in rats. Kumaresan P.
Am J Obstet Gynecol 118:68-72, 1 Jan 74
- Adenosine 3',5' cyclic monophosphate assay at 10-15 mole level. Cailla HL, et al.
Anal Biochem 56:394-407, Dec 73
- Disc-electrophoretic identification of prolactin in the cichlid teleosts *Tilapia* and *Cichlasoma* and densitometric measurement of its concentration in *Tilapia* pituitaries during salinity transfer experiments. Clarke WC. Can J Zool 51:687-95, Jul 73
- The histological features and human growth hormone content of the pharyngeal pituitary gland in normal and endocrinologically-disturbed patients. McPhie JL, et al. Clin Endocrinol (Oxf) 2:157-73, Apr 73
- The effect of long-term exposure to an illuminated white background on the MSH content of the pituitary of *Xenopus laevis*. Chong LK.
Comp Gen Pharmacol 4:157-66, Jun 73
- Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. Endocrinol Jap 20:335-44, Jun 73
- Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
Experientia 29:1398-9, 15 Nov 73
- The effect of the ergoline derivative VUFB-6683 on the

- adenohypophysial prolactin concentration in rats. Krejčí P, et al. Experientia 29:1262-3, 15 Oct 73
- Immunohistochemical demonstration of corticotrophic cells concentrated in the rostral zone of the pars intermedia of the mouse hypophysis. Stoeckel ME, et al. Experientia 29:1289-90, 15 Oct 73
- Two ACTH species in rat pituitary gland. Lang RE, et al. FEBS Lett 37:197-9, 1 Dec 73
- Sodium-retaining bioassay of prolactin in the intact teleost *Tilapia mossambica* acclimated to sea water. Clarke WC. Gen Comp Endocrinol 21:498-512, Dec 73
- Growth hormone levels in vitamin B6-deficient rats. Makris A, et al. Horm Metab Res 5:457-61, Nov 73
- Purification of adenohypophyseal plasma membranes and properties of associated adenylate cyclase. Poirier G, et al. J Biol Chem 249:316-22, 10 Jan 74
- Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol henzote. Mallampati RS, et al. J Endocrinol 59:209-16, Nov 73
- Proceedings: An in-vitro method for the assay of luteinizing hormone releasing factor. Pickering BT. J Endocrinol 59:xi-xii, Nov 73
- Effect of sodium deprivation and pinealectomy on pituitary and plasma prolactin in the rat. Relkin R. J Endocrinol 59:383-4, Nov 73
- A note on the purification of follicle-stimulating and luteinizing hormones from baboon pituitaries. Shownkeen RC, et al. J Endocrinol 59:659-60, Dec 73
- The hypothalamic-pituitary-testicular function of the old rat. Peng MT, et al.
J Formosan Med Assoc 72:495-502, Sep 73
- Pituitary luteinizing hormone and follicle stimulating hormone concentrations and stalk-median eminence luteinizing hormone-releasing factor and follicle stimulating hormone-releasing factor levels of old female rats. Pl WP, et al.
J Formosan Med Assoc 72:485-94, Sep 73
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al.
Proc Soc Exp Biol Med 144:1002-5, Dec 73
- Effect of testosterone propionate on fine structure and gonadotrophin content of the female rat and hamster anterior pituitary. Dekker A, et al.
Z Zellforsch Mikrosk Anat 143:291-300, 18 Oct 73
- Electron microscopic-immunocytochemical localization of adrenocorticotropin and melanocyte stimulating hormone in the pars intermedia cells of rats and mice. Nalk DV.
Z Zellforsch Mikrosk Anat 142:305-28, 17 Sep 73
- Immunohistochemical localization of adrenocorticotropin and melanocyte stimulating hormone in pars intermedia of rat hypophysis. Nalk DV. Z Zellforsch Mikrosk Anat 142:289-304, 17 Sep 73
- A light and electron microscopic study of the pre- and postnatal development and secretory differentiation of the pars tuberalis of the rat hypophysis. Stoeckel ME, et al.
Z Zellforsch Mikrosk Anat 142:347-65, 17 Sep 73
- The pars intermedia of the mink, *Mustela vison*. Fluorescence, light and electron microscopical studies. Weman B, et al.
Z Zellforsch Mikrosk Anat 143:313-27, 18 Oct 73
- [Localization by immunofluorescence of secretions related to thyrotropins, gonadotropins and corticotropins in axolotl pituitary (*Ambystoma mexicanum*, Shaw [author's transl]) Hauser-Gunshour N, et al.

PITUITARY GLAND

PITUITARY

Z Zellforsch Mikrosk Anat 142:539-48, 1973 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

- Induction of goitre by PTU or KCIO₄ in male and female rats. Effect of gonadectomy. Jolin T, et al. *Acta Endocrinol (Kbh)* 74:88-104, Sep 73
- FSH content of the anterior pituitary and the incorporation of L-lysine-U-14C into testicular proteins of heat-acclimatized rats. Sod-Morlah UA, et al. *Comp Biochem Physiol [A]* 47:333-9, Jan 74
- Effects of limbic forebrain ablation on pituitary gonadal function in the female rat. Terasawa E, et al. *Endocrinol Jap* 20:277-90, Jun 73
- Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al. *Experientia* 29:1398-9, 15 Nov 73
- Effects of blinding and pinealectomy on diurnal variations in plasma testosterone. Kinson GA, et al. *Experientia* 29:1415-6, 15 Nov 73
- The effect of the ergoline derivative VUFB-6683 on the adenohypophyseal prolactin concentration in rats. Krejčí P, et al. *Experientia* 29:1262-3, 15 Oct 73
- Masculinizing effects of a testicular interstitial cell tumour graft on female rats. Pourreau-Schneider N. *J Endocrinol* 59:353-61, Nov 73
- Lesions in the septal nuclei of the rat raise mean systemic arterial pressure and prevent the development of sound-withdrawal hypertension. Marwood JF, et al. *J Pharm Pharmacol* 25:614-20, Aug 73
- Regulation of blood levels of LH in bulls: Influence of age, breed, sexual stimulation and temporal fluctuations. Gombe S, et al. *J Reprod Fertil* 35:493-503, Dec 73
- Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al. *Physiol Behav* 11:787-90, Dec 73
- [Morphogenesis of the fetal adrenal cortex in pig's fetuses in relation to the development of adenohypophysis] Atagimov MZ. *Arkhn Anat Gistol Embriol* 65:34-9, Sep 73 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

- Pituitary necrosis in patients maintained on mechanical respirators. Daniel PM, et al. *J Pathol* 111:135-8, Oct 73
- A light and electron microscopic study of the pre- and postnatal development and secretory differentiation of the pars tuberalis of the rat hypophysis. Stoeckel ME, et al. *Z Zellforsch Mikrosk Anat* 142:347-65, 17 Sep 73

CYTOLOGY

- The corticotroph of the rat adenohypophysis: a comparative study. Bowie EP, et al. *Am J Anat* 138:499-519, Dec 73
- Histochemical reactivity and staining properties of functionally defined cell types in the human adenohypophysis. Phifer RF, et al. *Am J Pathol* 73:569-87, Dec 73
- Studies on the adaptation of *Xenopus laevis* to hyperosmotic media. Ireland MP. *Comp Biochem Physiol [A]* 46:469-76, 1 Nov 73
- Possible reversion of pituitary "thyroidectomy cells" into their original acidophils in rats. Yoshimura F, et al. *Endocrinol Jap* 20:249-62, Jun 73
- An investigation of progesterone receptors in guinea pig vagina, uterine cervix, mammary glands, pituitary and hypothalamus. Alger M, et al. *Endocrinology* 91:161-7, Jan 74
- Studies on in vitro synthesis and secretion of growth hormone and prolactin. II. Evidence against the existence of precursor molecules. Zanini A, et al. *Endocrinology* 91:104-11, Jan 74
- Effect of dibutyl cyclic AMP on cell proliferation of adenohypophysis in organ culture. Preliminary report. Pawlikowski M, et al. *Endokrynol Pol* 24:307-10, Jul-Aug 73
- Estrogen-sensitive cells. Hormone receptors in tumors and cells in culture. Meister J, et al. *Exp Cell Res* 81:447-52, Oct 73
- Cellular and subcellular localization of 3H-estradiol or its metabolites in the pituitary of the neonatal female rat. Sheridan PJ, et al. *Experientia* 29:1418-9, 15 Nov 73
- Immunohistochemical demonstration of corticotrophic

cells concentrated in the rostral zone of the pars intermedia of the mouse hypophysis. Stoeckel ME, et al. *Experientia* 29:1289-90, 15 Oct 73

- Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:441-50, Dec 73
- Effects of ACTH on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:431-40, Dec 73
- Extracellular banded structures in cultures of the rabbit adenohypophysis. Chatterjee P. *J Anat* 115:415-20, Sep 73
- Phosphorylation of adenohypophyseal plasma membranes and properties of associated protein kinase. Lemay A, et al. *J Biol Chem* 249:323-8, 10 Jan 74
- Purification of adenohypophyseal plasma membranes and properties of associated adenylate cyclase. Poirier G, et al. *J Biol Chem* 249:316-22, 10 Jan 74
- Proceedings: Fine structure of the pituitary gland in larval sea lampreys (*Petromyzon marinus* L.). Percy R, et al. *J Endocrinol* 59:xl-xlii, Nov 73
- Effect of anti-mitotic drugs on the in vitro secretory activity of mammothrophs and somatotrophs and on their microtubules. MacLeod RM, et al. *Proc Soc Exp Biol Med* 144:259-67, 1 Oct 73
- The effect of dihydrotestosterone in combination with ovariectomy on intranuclear inclusions in mammothrophs of the Mongolian gerbil. Nickerson PA, et al. *Tissue Cell* 5:697-702, 1973
- Ultrastructure of STH cells of the pars distalis of castrated male mice after hepatectomy. Echave Llanos JM, et al. *Z Zellforsch Mikrosk Anat* 144:31-5, 30 Oct 73
- The pars intermedia of the mink, *Mustela vison*. Fluorescence, light and electron microscopical studies. Weman B, et al. *Z Zellforsch Mikrosk Anat* 143:313-27, 18 Oct 73
- [Ultrastructure of adenohypophyseal cells secreting ACTH in rats] Erkoçak A. *Z Mikrosk Anat Forsch* 87:229-41, 1973 (Eng. Abstr.) (Fre)

[Detection of corticotrophic and melanotropic cells in the hypophysis of the frog, *Rana temporaria* in the course of the development (author's transl)] Doerr-Schott J, et al.

- Z Zellforsch Mikrosk Anat* 142:571-80, 1973 (Eng. Abstr.) (Fre)
- [Change in ultrastructure of the pituitary gland induced by administration of LH-RH] Ban T, et al. *Clin Endocrinol (Tokyo)* 21:905-11, Sep 73 (Jap)
- [Morphogenesis of the fetal adrenal cortex in pig's fetuses in relation to the development of adenohypophysis] Atagimov MZ. *Arkhn Anat Gistol Embriol* 65:34-9, Sep 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabiosed golden hamsters. Seibel HR, et al. *Acta Endocrinol (Kbh)* 74:434-48, Nov 73
- Dose and time dependence of testosterone-induced precocious puberty in female rats. Marton I, et al. *Acta Physiol Acad Sci Hung* 43:49-53, 1973
- Stimulation of TSH release and glucose oxidation in pituitaries from thyroidectomized rats by thyrotropin releasing factor (TRF). Dubovsky EV, et al. *Ala J Med Sci* 10:270-7, Jul 73
- Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. *Am J Physiol* 226:96-104, Jan 74
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches. Sokolowski JH, et al. *Am J Vet Res* 34:1501-3, Dec 73
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al. *Am J Vet Res* 34:1493-9, Dec 73
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al. *Anesth Analg (Cleve)* 52:1003-10, Nov-Dec 73
- Prostaglandins in reproduction. Behrman HR, et al. *Arch Intern Med* 133:77-84, Jan 74 (50 ref.)
- The mechanism of the stimulation of LH production by synthetic LH-releasing hormone (LH-RH) in tissue

- culture. Ishikawa H, et al.
Biochem Biophys Res Commun 55:492-8, 16 Nov 73
 The synthesis and biological activity of Ala3,14-somatostatin. Sarantakis D, et al.
Biochem Biophys Res Commun 55:538-42, 16 Nov 73
 Biosynthesis of growth hormone in the rat anterior pituitary gland. Stimulation of biosynthesis in vitro by insulin. Betteridge A, et al.
Biochem J 134:1103-13, Aug 73
 Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. Fairclough PD, et al.
Clin Endocrinol (Oxf) 2:351-9, Oct 73
 Ovulation blockade in rats by rabbit anti-luteinizing hormone releasing factor serum. Makino T, et al.
Contraception 8:133-45, Aug 73
 Time course of weight increase of anterior pituitary and thyroxine binding to adenohypophyseal proteins after a single administration of estrogen. Schreiber V, et al.
Endocrinol Exp (Bratisl) 7:301-6, 1973
 Suppressive effect of dexamethasone on morphine-induced adrenocorticalogenesis in rat. Kuwamura T, et al.
Endocrinol Jap 20:359-63, Aug 73
 Possible reversion of pituitary "thyroidectomy cells" into their original acidophils in rats. Yoshimura F, et al.
Endocrinol Jap 20:249-62, Jun 73
 Effect of pregnancy on the LH response to synthetic gonadotropin-releasing hormone in the ewe. Chamley WA, et al.
Endocrinology 91:291-3, Jan 74
 Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Eggena P, et al.
Endocrinology 91:35-44, Jan 74
 Effect of low temperature on the release of vasopressin from the isolated bovine neurohypophysis. Hong JS, et al.
Endocrinology 91:234-40, Jan 74
 The effect of the ergoline derivative VUFB-6683 on the adenohypophyseal prolactin concentration in rats. Krejčí P, et al.
Experientia 29:1262-3, 15 Oct 73
 Reactivity of the pituitary-thyroid system to exogenous thyroxine and propylthiouracil during the peri- and neonatal period in the rabbit. Mach Z.
Folia Biol (Krakow) 21:379-89, 1973
 Effects of ACTH on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ.
Gen Comp Endocrinol 21:431-40, Dec 73
 Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ.
Gen Comp Endocrinol 21:441-50, Dec 73
 Antidiuretic effect of clofibrate in therapy of diabetes insipidus. Gennes JL de, et al.
Horm Metab Res 5:461-6, Nov 73
 Phosphorylation of adenohypophyseal plasma membranes and properties of associated protein kinase. Lemay A, et al.
J Biol Chem 249:323-8, 10 Jan 74
 Purification of adenohypophyseal plasma membranes and properties of associated adenylate cyclase. Poirier G, et al.
J Biol Chem 249:316-22, 10 Jan 74
 Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksl SN.
J Endocrinol 59:655-6, Dec 73
 Circadian periodicity of pituitary-adrenal function after p-chlorophenylalanine administration in the rat. Delft AM van, et al.
J Endocrinol 59:465-74, Dec 73
 Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
 Proceedings: Effect of sex steroids on the pituitary responsiveness to synthetic luteinizing hormone releasing hormone in the male dog. Jones GE, et al.
J Endocrinol 59:xv, Nov 73
 Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. Aiyer MS, et al.
J Physiol (Lond) 234:81P-82P, Oct 73
 Proceedings: Concentrations of plasma LH and FSH in cycling ewes following a single injection of 17beta-oestradiol. Pant HC.
J Physiol (Lond) 234:115P-116P, Oct 73
 Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al.
Pharmacology 10:111-22, 1973
 Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al.
Proc Soc Exp Biol Med 144:1002-5, Dec 73
 Effect of anti-mitotic drugs on the in vitro secretory activity of mammothrophs and somatotrophs and on their microtubules. MacLeod RM, et al.
Proc Soc Exp Biol Med 144:259-67, 1 Oct 73
 The effect of dihydrotestosterone in combination with ovariectomy on intranuclear inclusions in mammothrophs of the Mongolian gerbil. Nickerson PA, et al.
Tissue Cell 5:697-702, 1973
 Effect of testosterone propionate on fine structure and gonadotrophin content of the female rat and hamster anterior pituitary. Dekker A, et al.
Z Zellforsch Mikrosk Anat 143:291-300, 18 Oct 73
 The pars intermedia of the mink, *Mustela vison*. Fluorescence, light and electron microscopical studies. Weman B, et al.
Z Zellforsch Mikrosk Anat 143:313-27, 18 Oct 73
 [Letter: Pituitary gonadotropin inhibition test. New data in the detection and the biological surveillance of trophoblastic tumors in both sexes] Hinglais H, et al.
Acad Rev 2:2601, 3 Nov 73 (Fre)
 [Influence of cyclic AMP on hypothalamo-hypophyseal regulation of secretion of somatotropin] Peracchi M, et al.
Folia Endocrinol (Roma) 26:407-11, Oct 73 (Ita)
 [Change in ultrastructure of the pituitary gland induced by administration of LH-RH] Ban T, et al.
Clin Endocrinol (Tokyo) 21:905-11, Sep 73 (Jap)
 [LH-RH therapy in menstruation and ovulation disorders] Iizuka R, et al.
Clin Endocrinol (Tokyo) 21:935-43, Sep 73 (Jap)
 [Neuroendocrinological study of chronically methamphetamine-treated guinea pigs and rats (author's transl)] Onodera I, et al.
Psychiatr Neurol Jap 75:409-23, Jul 73 (Jap)
 [Clinical evaluation of trimethoprim effect on inhibiting the corticotrophic activity of the hypophysis] Pawlikowski T, et al.
Endokrynol Pol 24:329-32, Jul-Aug 73 (Eng. Abstr.) (Pol)
 [Influence of the carbamic pesticides, zineb and thiram, on the estrus cycle and reproductive capacity of white rats] Ghizelea G, et al.
Stud Cercet Endocrinol 24:491-501, 1973 (Rum)
EMBRYOLOGY
 The histological features and human growth hormone content of the pharyngeal pituitary gland in normal and endocrinologically-disturbed patients. McPhie JL, et al.
Clin Endocrinol (Oxf) 2:157-73, Apr 73
 A light and electron microscopic study of the pre- and postnatal development and secretory differentiation of the pars tuberalis of the rat hypophysis. Stoeckel ME, et al.
Z Zellforsch Mikrosk Anat 142:347-65, 17 Sep 73
 [Stimulation in vitro of single human fetal pituitary glands] Serra GB.
Folia Endocrinol (Roma) 26:257-67, Aug 73 (Eng. Abstr.) (Ita)
 [Morphogenesis of the fetal adrenal cortex in pig's fetuses in relation to the development of adenohypophysis] Atagimov MZ.
Arkiv Anat Gistol Embriol 65:34-9, Sep 73 (Eng. Abstr.) (Rus)
 [Characteristics of the course of pregnancy and the intra-uterine development of the fetus] Kobozeva NV.
Vopr Okhr Materin Det 18:14-6, Jan 73 (Rus)
ENZYMOLGY
 Studies on in vitro synthesis and secretion of growth hormone and prolactin. II. Evidence against the existence of precursor molecules. Zanini A, et al.
Endocrinology 91:104-11, Jan 74
 The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al.
Experientia 29:1259-62, 15 Oct 73
 Phosphorylation of adenohypophyseal plasma membranes and properties of associated protein kinase. Lemay A, et al.
J Biol Chem 249:323-8, 10 Jan 74
 Purification of adenohypophyseal plasma membranes and properties of associated adenylate cyclase. Poirier G, et al.
J Biol Chem 249:316-22, 10 Jan 74
 Isolation and characterization of a pituitary peptidase specifically releasing, from growth hormone, a peptide (somatostatin) with antagonistic activity to insulin in vitro. Driver CJ, et al.
J Endocrinol 59:261-74, Nov 73

PITUITARY GLAND

GROWTH & DEVELOPMENT

- Reactivity of the pituitary-thyroid system to exogenous thyroxine and propylthiouracil during the peri- and neonatal period in the rabbit. Mach Z. *Folia Biol (Krakow)* 21:379-89, 1973
- A light and electron microscopic study of the pre- and postnatal development and secretory differentiation of the pars tuberalis of the rat hypophysis. Stoeckel ME, et al.
- Z Zellforsch Mikrosk Anat 142:347-65, 17 Sep 73
- [Prolactin levels in the rat's anterior pituitary gland during ontogeny, sexual maturation, pregnancy and lactation] Kreichl P, et al.
- Probi Endokrinol (Mosk)* 19:70-6, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Effect of castration on the luteinizing function of the hypophysis in intact and androgenized rats] Nikitina MM, et al.
- Probi Endokrinol (Mosk)* 19:76-82, Nov-Dec 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

- [Change in the antigenic composition of the hypophysis of *Gobius melanostomus* in relation to its sexual cycle] Apekin VS, et al.
- Zh Evtl Biokhim Fiziol* 9:56-64, Jan-Feb 73 (Eng. Abstr.) (Rus)

METABOLISM

- Adrenal glucocorticoid function in acute viral infections in children. Zeltoun MM, et al.
- Acta Paediatr Scand* 62:608-14, Nov 73
- Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73
- The mechanism of the stimulation of LH production by synthetic LH-releasing hormone (LH-RH) in tissue culture. Ishikawa H, et al.
- Biochem Biophys Res Commun* 55:492-8, 16 Nov 73
- Biosynthesis of growth hormone in the rat anterior pituitary gland. Stimulation of biosynthesis in vitro by insulin. Betteridge A, et al.
- Biochem J* 134:1103-13, Aug 73
- The histological features and human growth hormone content of the pharyngeal pituitary gland in normal and endocrinologically-disturbed patients. McPhie JL, et al. *Clin Endocrinol (Oxf)* 2:157-73, Apr 73
- FSH content of the anterior pituitary and the incorporation of L-lysine-U-14C into testicular proteins of heat-acclimatized rats. Sod-Moriah UA, et al. *Comp Biochem Physiol [A]* 47:333-9, Jan 74
- Time course of weight increase of anterior pituitary and thyroxine binding to adenopituitary proteins after a single administration of estrogen. Schreiber V, et al. *Endocrinol Exp (Bratisl)* 7:301-6, 1973
- An investigation of progesterone receptors in guinea pig vagina, uterine cervix, mammary glands, pituitary and hypothalamus. Atger M, et al.
- Endocrinology* 91:161-7, Jan 74
- Studies on in vitro synthesis and secretion of growth hormone and prolactin. II. Evidence against the existence of precursor molecules. Zanini A, et al.
- Endocrinology* 91:104-11, Jan 74
- The uptake of corticosterone-4-14C by rat tissues during the postnatal ontogenesis. Macho L, et al.
- Endokrinologie* 61:365-71, Jun 73
- Estrogen-sensitive cells. Hormone receptors in tumors and cells in culture. Mešter J, et al.
- Exp Cell Res* 81:447-52, Oct 73
- Cellular and subcellular localization of 3H-estradiol or its metabolites in the pituitary of the neonatal female rat. Sheridan PJ, et al. *Experientia* 29:1418-9, 15 Nov 73
- Immunohistochemical demonstration of corticotrophic cells concentrated in the rostral zone of the pars intermedia of the mouse hypophysis. Stoeckel ME, et al. *Experientia* 29:1289-90, 15 Oct 73
- Proceedings: Factors affecting the release and synthesis of teleost pituitary polypeptide hormones. Baker BI, et al. *J Endocrinol* 59:xi, Nov 73
- Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. Denef C, et al. *J Endocrinol* 59:605-21, Dec 73
- Proceedings: Effects of antibody to oestrogen and of sodium pentobarbitone on protein metabolism in the brain and anterior pituitary, and on luteinizing hormone levels during the oestrous cycle in the rat. Haar MB ter, et al. *J Endocrinol* 59:xii-xiii, Nov 73

PITUITARY

- Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73
- Effect of anti-mitotic drugs on the in vitro secretory activity of mammothrophs and somatotrophs and on their microtubules. MacLeod RM, et al.
- Proc Soc Exp Biol Med* 144:259-67, 1 Oct 73
- Effects of progesterone or cyproterone acetate on androgen uptake in the brain, pituitary and peripheral tissues. Sar M, et al.
- Proc Soc Exp Biol Med* 144:26-9, 1 Oct 73
- [Methods for the determination of prolactin with reference to the use of biological titration in the pigeon glizard] Sedláč V, et al.
- Cesk Fysiol* 22:193-212, Mar 73 (Cze)
- [Examination of the pituitary-gonadal function ring using the synthetic LH-releasing hormone in patients with hypogonadism before and during therapy] Wagner H, et al. *Med Welt* 24:1537-9, 5 Oct 73 (Ger)
- [Surgical treatment of complications of diabetes mellitus] Kalinin AP, et al.
- Klin Med (Mosk)* 51:20-6, May 73 (75 ref.) (Rus)
- [Function of hypophysis and adrenal cortex in thyrotoxicosis before and during treatment with radiolodine] Babadzhanova SI, et al.
- Probi Endokrinol (Mosk)* 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Prolactin levels in the rat's anterior pituitary gland during ontogeny, sexual maturation, pregnancy and lactation] Kreichl P, et al.
- Probi Endokrinol (Mosk)* 19:70-6, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Effect of castration on the luteinizing function of the hypophysis in intact and androgenized rats] Nikitina MM, et al.
- Probi Endokrinol (Mosk)* 19:76-82, Nov-Dec 73 (Eng. Abstr.) (Rus)

PATHOLOGY

- Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. Harbitz TB.
- Acta Pathol Microbiol Scand [A]* 81:301-14, May 73
- Pituitary gland in patients with Hurler syndrome. Light and electron microscopic study. Schochet SS Jr, et al.
- Arch Pathol* 97:96-9, Feb 74
- The histological features and human growth hormone content of the pharyngeal pituitary gland in normal and endocrinologically-disturbed patients. McPhie JL, et al. *Clin Endocrinol (Oxf)* 2:157-73, Apr 73
- Estrogen-sensitive cells. Hormone receptors in tumors and cells in culture. Mešter J, et al.
- Exp Cell Res* 81:447-52, Oct 73
- Pituitary necrosis in patients maintained on mechanical respirators. Daniel PM, et al.
- J Pathol* 111:135-8, Oct 73
- [The normal and disturbed prepuberal development of the human testis] Städtler F.
- Veroeff Morphol Pathol* 92:1-127, 1973 (Eng. Abstr.) (Ger)

PHYSIOLOGY

- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabosed golden hamsters. Selbel HR, et al.
- Acta Endocrinol (Khh)* 74:434-48, Nov 73
- Circulatory control via vagal afferents. VI. The bleeding bradycardia in the rat, its elicitation and relation to the release of vasopressin. Sjöstrand T.
- Acta Physiol Scand* 89:39-50, Sep 73
- Regulation of skeletal growth by sulfation factor. Daughaday WH.
- Adv Intern Med* 17:237-63, 1973 (70 ref.)
- Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al.
- Am J Physiol* 225:1306-10, Dec 73
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al.
- Anesth Analg (Cleve)* 52:1003-10, Nov-Dec 73
- Prostaglandins in reproduction. Behrman HR, et al.
- Arch Intern Med* 133:77-84, Jan 74 (50 ref.)
- Some effects of hypophysectomy and of adrenalectomy on the adaptation of rats to the drinking of saline. Marwood JF, et al.
- Aust J Exp Biol Med Sci* 51:537-47, Aug 73
- Effect of drinking saline on renal responses to aldosterone. Marwood JF, et al.
- Aust J Exp Biol Med Sci* 51:549-52, Aug 73
- Extinction of a passive avoidance response in

- adrenalectomized and demedullated rats. Silva MT. *Behav Biol* 9:553-62, Nov 73
- The in vivo effect of indomethacin and prostaglandin E₂ on ACTH and DBCAMP-induced steroidogenesis in hypophysectomized rats. Gallant S, et al. *Biochem Biophys Res Commun* 55:831-6, 10 Dec 73
- The effect of glucose ingestion on basal and induced enzyme levels in rat tissues. Greengard O, et al. *Biochim Biophys Acta* 329:241-50, 5 Dec 73
- Adrenocorticotrophic hormone and dibutyl adenosine cyclic monophosphate-mediated Ca²⁺ uptake by rat adrenal glands. Leier DJ, et al.
- Biochim Biophys Acta* 329:196-210, 5 Dec 73
- Proceedings: Cardiac responses to pituitary and thyroid hormones. Beznak M, et al.
- Br J Pharmacol* 44:333P-334P, Feb 72
- Cell kinetics and morphology of the growth plate in the normal and hypophysectomized rat. Thorngren KG, et al. *Calcif Tissue Res* 13:113-29, 1973
- Preliminary studies on the functional relationships between the pineal, hypothalamus and adenohypophysis using bovine tissues in organ culture. Hayes MM, et al.
- Cent Afr J Med* 19:193-4, Sep 73
- Effects of hypophysectomy on osmoregulation in the euryhaline flounder, *Platichthys flesus* (L.), in sea water and in fresh water. Macfarlane NA.
- Comp Biochem Physiol [A]* 47:201-17, Jan 74
- The effect of long-term exposure to an illuminated white background on the MSH content of the pituitary of *Xenopus laevis*. Chong LK.
- Comp Gen Pharmacol* 4:157-66, Jun 73
- Effect of hypophysectomy on sex transformation in frog tadpoles. Hsu CY, et al.
- Endocrinol Jap* 20:391-5, Aug 73
- Effects of limbic forebrain ablation on pituitary gonadal function in the female rat. Terasawa E, et al.
- Endocrinol Jap* 20:277-90, Jun 73
- Possible reversion of pituitary "thyroidectomy cells" into their original acidophils in rats. Yoshimura F, et al.
- Endocrinol Jap* 20:249-62, Jun 73
- Thyrotrophin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al.
- Endocrinology* 91:188-97, Jan 74
- Serum and tissue dopamine-beta-hydroxylase activity in hypophysectomized rats. Freedman LS, et al.
- Eur J Pharmacol* 24:366-74, Dec 73
- Pituitary regulation of serum calcium levels in the killifish, *Fundulus heteroclitus* L. Pang PK, et al.
- Gen Comp Endocrinol* 21:536-42, Dec 73
- Effect of hypophysectomy-splenectomy on kidney lysozyme level: ultrastructural correlation. Mollica R, et al.
- Invest Urol* 11:295-302, Jan 74
- Postmortem glycolysis in longissimus muscle of the hypophysectomized pig. Kraeling RR, et al.
- J Anim Sci* 37:1124-31, Nov 73
- The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. *J Biol Chem* 249:227-33, 10 Jan 74
- No effect of neonatal estrogenic stimulation or hypophysectomy on spontaneous activity in female rats. Stern JJ, et al.
- J Comp Physiol Psychol* 85:409-12, Nov 73
- Basal levels of prolactin in goat blood measured throughout a 24-h period by a rapid double antibody-solid phase radioimmunoassay. Hart IC.
- J Dairy Res* 40:235-45, Jun 73
- The relationship between the anterior pituitary gland and the pancreas in tail regeneration of the adult newt. Vethamany-Globus S, et al.
- J Embryol Exp Morphol* 30:415-26, Oct 73
- Sex difference in gonadal maintenance in graded hypophysectomized rats. Shih BY, et al.
- J Formosan Med Assoc* 72:325-31, Jun 73
- Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
- Activity of magnocellular neuroendocrine cells in the hypothalamus of unanaesthetized monkeys. I. Functional cell types and their anatomical distribution in the supraoptic nucleus and the internuclear zone. Hayward JN, et al.
- J Physiol (Lond)* 232:515-43, Aug 73
- Termination of pregnancy by hypophysectomy in the pig. Kraeling RR, et al. *J Reprod Fertil* 36:215-7, Jan 74
- The membrane as transducer in peptide hormone action. Sonenberg M, et al.
- J Supramol Struct* 1:358-9, 1973
- FSH stimulation of testicular androgen binding protein. Hansson V, et al.
- Nature [New Biol]* 246:56-8, 14 Nov 73
- Hypophysectomy in young rats and prostaglandin synthesis. *Nutr Rev* 31:284-6, Sep 73 (11 ref.)
- Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al.
- Pharmacology* 10:111-22, 1973
- Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al.
- Physiol Behav* 11:787-90, Dec 73
- Increased serum prolactin induced in hypophysectomized rats bearing ectopic pituitaries. Malven PV, et al.
- Proc Soc Exp Biol Med* 144:956-9, Dec 73
- Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordane treatment. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:796-801, Dec 73
- Intestinal lactase activity in the suckling rat: Influence of hypophysectomy and thyroidectomy. Yeh K, et al.
- Science* 183:77-9, 11 Jan 74
- Cell kinetics of the growth plate in hypophysectomized rats treated with growth hormone and thyroxine. Thorngren KG, et al.
- Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73
- [Possibilities of the differential diagnosis of infertility with the LH-(ICSH)-and FSH-radioimmunoassay. Experimental studies (author's transl)] Altwein JE, et al. *Andrologie* 4:343-50, 1972 (Eng. Abstr.) (Ger)
- [Use of the TSH releasing hormone in examination of the hypothalamo-hypophyseal-thyroid system] Polczer M, et al.
- Z Aerztl Fortbild (Jena)* 67:872-5, 1 Sep 73 (Ger)
- [Stimulation in vitro of single human fetal pituitary glands] Serra GB.
- Folia Endocrinol (Roma)* 26:257-67, Aug 73 (Eng. Abstr.) (Ita)
- [Cerebral amines and pituitary function] Imura H, et al.
- Clin Endocrinol (Tokyo)* 21:997-1005, Oct 73 (Jap)
- [Transmission of hypothalamic hormones to the anterior part of the hypophysis in mammals] Domański E.
- Endokrynol Pol* 24:337-54, Sep-Oct 73 (Pol)

PHYSIOPATHOLOGY

- Serum thyrotrophin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al.
- Clin Endocrinol (Oxf)* 2:219-25, Jul 73
- An assessment of the metyrapone test. Shahmanesh M, et al. *Clin Endocrinol (Oxf)* 2:201-6, Jul 73
- Letter: Anterior pituitary function in a neonate with craniofacial dysraphia. Yagnik R, et al.
- J Pediatr* 83:1090-2, Dec 73
- Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al.
- Tohoku J Exp Med* 110:347-57, Aug 73
- [Pituitary-thyroid function in patients with chronic kidney failure under intermittent hemodialysis] Hrubesch M, et al. *Med Welt* 24:1532-4, 5 Oct 73 (Ger)
- [Circadian aspects of the ACTH-secretory system in essential arterial hypertension] Ferrari E, et al.
- Folia Endocrinol (Roma)* 26:412-21, Oct 73 (Ita)
- [Evaluation of the pituitary-thyroid axis by the triiodothyronine test] Szybiński Z, et al.
- Pol Arch Med Wewn* 50:1189-96, Nov 73 (Eng. Abstr.) (Pol)
- [Functional state of the hypothalamo-hypophyseal-adrenal system in chronic inflammation of the female sex organs] Kuprianova EM, et al.
- Akush Ginekol (Mosk)* 49:6-8, Mar 73 (Eng. Abstr.) (Rus)
- [Function of hypophysis and adrenal cortex in thyrotoxicosis before and during treatment with radiolodine] Babadzhanova Slu, et al.
- Prohl Endokrynol (Mosk)* 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Functional state of the hypothalamo-hypophyseal-adrenal system in minor chorea] Glitlik LS. *Sov Med* 36:105-10, Apr 73 (Rus)
- [Mechanism of the therapeutic action of inductothermy, and potassium electrophoresis in viral hepatitis in children] Gromova VN, et al.
- Vopr Kurortol Fizioter Lech Fiz Kult* 38:430-4, 1973 (Rus)

RADIOGRAPHY

Direct ultrasonic irradiation of the hypophysis in diabetic retinopathy. Ricci V, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd
204:237-48, 12 Oct 73

SECRETION

Dose and time dependence of testosterone-induced precocious puberty in female rats. Marton I, et al.
Acta Physiol Acad Sci Hung 43:49-53, 1973

Plasma ADH increase and thirst suppression elicited by preoptic heating in the dog. Szczepanska-Sadowska E.
Am J Physiol 226:155-61, Jan 74

The mechanism of the stimulation of LH production by synthetic LH-releasing hormone (LH-RH) in tissue culture. Ishikawa H, et al.
Biochem Biophys Res Commun 55:492-8, 16 Nov 73

The synthesis and biological activity of Ala3,14-somatostatin. Sarantakis D, et al.
Biochem Biophys Res Commun 55:538-42, 16 Nov 73

Lack of growth hormone-releasing activity of (pyro)Glu-Ser-Gly-NH2. Schally AV, et al.
Biochem Biophys Res Commun 55:556-62, 10 Dec 73

Combined test for assessment of anterior pituitary function. Harsoulis P, et al. Br Med J 4:326-9, 10 Nov 73

Effects of 7, 12-dimethylbenz(a)anthracene and estrogen on the transplantation and growth of a rat pituitary tumor. Fang VS, et al.
Cancer Res 34:225-9, Jan 74

Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. Faglia G, et al.
Clin Endocrinol (Oxf) 2:207-10, Jul 73

The triiodothyronine and thyroxine response to thyrotrophin-releasing hormone in the assessment of the pituitary-thyroid axis. Lawton NF, et al.
Clin Endocrinol (Oxf) 2:57-63, Jan 73

Serum thyrotrophin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al.
Clin Endocrinol (Oxf) 2:219-25, Jul 73

The effect of thyrotrophin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. Toft AD, et al.
Clin Endocrinol (Oxf) 2:289-95, Jul 73

Effect of synthetic corticotropins on human growth hormone secretion. Takahara J, et al.
Endocrinol Jap 20:411-5, Aug 73

Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Eggena P, et al. Endocrinology 91:35-44, Jan 74

Effect of low temperature on the release of vasopressin from the isolated bovine neurohypophysis. Hong JS, et al. Endocrinology 91:234-40, Jan 74

The influence of triamcinolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypophysis into blood. Lesnik H, et al. Endokrynol Pol 24:479-83, Nov-Dec 73

Stimulation of growth hormone release from superfused rat pituitary by extracts of hypothalamus and of human lung tumours. Beck C, et al.
J Endocrinol 59:325-33, Nov 73

Pituitary secretion of prolactin, luteinizing hormone and follicle-stimulating hormone in adult female rats treated neonatally with oestrogen. Nagasawa H, et al.
J Endocrinol 59:599-604, Dec 73

Effect of neonatal administration of prolactin on pituitary secretion of prolactin and gonadotrophins in adult female rats. Nagasawa H, et al.
J Endocrinol 59:377-8, Nov 73

In vitro effects of prolactin and cortisol on water permeability of the urinary bladder of the teleost *Gillichthys mirabilis*. Doneen BA, et al.
J Exp Zool 187:173-9, Jan 74

Correlation between serum prolactin levels and incidence of mammary tumors induced by 7,12-dimethylbenz(alpha)anthracene in the rat. Gala RR, et al. J Natl Cancer Inst 51:593-7, Aug 73

Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. Aiyer MS, et al.
J Physiol (Lond) 234:81P-82P, Oct 73

Proceedings: Decrease of pituitary responsiveness to LH-RH in castrated rats pretreated with testosterone propionate. Pelletier J.
J Reprod Fertil 35:601-2, Dec 73

Pituitary LH response to LHRH in rats after treatment

with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al.
Proc Soc Exp Biol Med 144:1002-5, Dec 73

Effect of anti-mitotic drugs on the in vitro secretory activity of mammotrophs and somatotrophs and on their microtubules. MacLeod RM, et al.
Proc Soc Exp Biol Med 144:259-67, 1 Oct 73

In vivo and in vitro effects of synthetic luteinizing hormone-releasing hormone (LH-RH) upon the secretion of luteinizing hormone (LH) and follicle stimulating hormone (FSH) in intact and castrated, fed and starved adult male rats. Root AW, et al.
Proc Soc Exp Biol Med 144:30-3, 1 Oct 73

[Letter: Pituitary gonadotropin inhibition test. New data in the detection and the biological surveillance of trophoblastic tumors in both sexes] Hinglais H, et al.
Acad Rev 2:2601, 3 Nov 73 (Fre)

[On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al.
J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)

[Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)

[Clinical evaluation of trimcinolone effect on inhibiting the corticotrophic activity of the hypophysis] Pawlikowski T, et al.
Endokrynol Pol 24:329-32, Jul-Aug 73 (Eng. Abstr.) (Pol)

SURGERY

[Ophthalmological observations in pituitary ablation for diabetic retinopathy. I. Reports of six cases (author's transl)] Takaku I, et al.
Acta Soc Ophthalmol Jap 77:1400-10, Sep 73 (Eng. Abstr.) (Jap)

TRANSPLANTATION

Influence of hormones and chemical carcinogen on murine leukaemia. Karande KA, et al.
Br J Cancer 28:299-309, Oct 73

Pituitary regulation of serum calcium levels in the killifish, *Fundulus heteroclitus* L. Pang PK, et al.
Gen Comp Endocrinol 21:536-42, Dec 73

Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al.
Proc Soc Exp Biol Med 144:923-6, Dec 73

Increased serum prolactin induced in hypophysectomized rats bearing ectopic pituitaries. Malven PV, et al.
Proc Soc Exp Biol Med 144:956-9, Dec 73

PITUITARY GLAND FUNCTION

TESTS

Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome. Aono T, et al.
Am J Obstet Gynecol 117:1046-52, 15 Dec 73

Thyrotrophin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. Arch Intern Med 132:836-9, Dec 73

Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al.
Aust NZ J Med 3:371-5, Aug 73

Combined test for assessment of anterior pituitary function. Harsoulis P, et al. Br Med J 4:326-9, 10 Nov 73

Effects of limbic forebrain ablation on pituitary gonadal function in the female rat. Terasawa E, et al.
Endocrinol Jap 20:277-90, Jun 73

Proceedings: L-DOPA as a test of anterior pituitary function. Millar JG, et al.
J Endocrinol 59:xxv-xxvi, Nov 73

Proceedings: Studies on synthetic LH-FSH-releasing hormone. Newton J, et al.
J Reprod Fertil 35:622-3, Dec 73

[Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)

[Pituitary-thyroid function in patients with chronic kidney failure under intermittent hemodialysis] Hruhesch M, et al. Med Welt 24:1532-4, 5 Oct 73 (Ger)

PITUITARY

PITUITARY GLAND,

[Evaluation of the pituitary-thyroid axis by the trilodothyronine test] Szybiński Z, et al.
Pol Arch Med Wewn 50:1189-96, Nov 73 (Eng. Abstr.)
(Pol)

PITUITARY GLAND IRRADIATION

Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. Urology 2:99-102, Aug 73 (38 ref.)

PITUITARY GLAND, POSTERIOR

ANALYSIS

Uptake of dopamine by the neural lobe of the pituitary gland during postnatal development of the rat. Partanen S, et al. Experientia 29:1382-4, 15 Nov 73

ANATOMY & HISTOLOGY

[Monoamines in periventricular nerve cells of the hypothalamus of the lamprey *Lampetra fluviatilis*] Konstantinova MS.
Zh Evol Biokhim Fiziol 9:307-8, May-Jun 73 (Eng. Abstr.)
(Rus)

CYTOLOGY

The fine structure of freeze-fractured neurosecretory nerve endings in the neurohypophysis. Drelfuss JJ, et al. Brain Res 62:367-72, 23 Nov 73

Effects of colchicine on release of neurosecretory material from the posterior pituitary gland of the rat. Norström A, et al.
Z Zellforsch Mikrosk Anat 142:443-64, 1973

[Electron microscopic study of large areas of neurosecretory fibers (Herring bodies) in the posterior lobe of the hypophysis of intact rats] Ugrumov MV.
Arkhn Anat Gistol Embriol 64:73-9, May 73 (Eng. Abstr.)
(Rus)

[Ontogenic development of the fine-cell tubero-infundibular system] Voitsevich AA, et al. Arkhn Anat Gistol Embriol 64:45-59, Feb 73 (Eng. Abstr.)
(Rus)

DRUG EFFECTS

Effects of colchicine on release of neurosecretory material from the posterior pituitary gland of the rat. Norström A, et al.
Z Zellforsch Mikrosk Anat 142:443-64, 1973

GROWTH & DEVELOPMENT

[Ontogenic development of the fine-cell tubero-infundibular system] Voitsevich AA, et al. Arkhn Anat Gistol Embriol 64:45-59, Feb 73 (Eng. Abstr.)
(Rus)

METABOLISM

Synthetic and natural polypeptides related to the pituitary and their natriuretic activity in animals and man. Cort JH.

Acta Cardiol (Brux) Suppl 17:219-2, 1973
Uptake of dopamine by the neural lobe of the pituitary gland during postnatal development of the rat. Partanen S, et al. Experientia 29:1382-4, 15 Nov 73

PHYSIOLOGY

Synthetic and natural polypeptides related to the pituitary and their natriuretic activity in animals and man. Cort JH.

Acta Cardiol (Brux) Suppl 17:219-2, 1973
On the role of the hypophysis in the renal mechanism of body fluid volumes regulation. Lichardus B, et al. Endokrinologie 61:403-12, Jun 73

SECRETION

Effects of colchicine on release of neurosecretory material from the posterior pituitary gland of the rat. Norström A, et al.
Z Zellforsch Mikrosk Anat 142:443-64, 1973

PITUITARY GLAND, POSTERIOR Cont.

Effect of low temperature on the release of vasopressin from the isolated bovine neurohypophysis. Hong JS, et al. Endocrinology 91: 234-40, Jan 74

The influence of triamcinolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypophysis into blood. Lesnik H, et al. Endokrynol Pol 24: 479-83, Nov-Dec 73

PITUITARY

11. Disorders of the Pituitary Gland

ACROMEGALY

BLOOD

The different responses of blood amino acids and blood glucose to the administration of insulin to patients with acromegaly. Zimmermann-Telschow H, et al. *Horm Metab Res* 5:474-5, Nov 73

[Insulin secretion in the early stages of diabetes mellitus (author's transl)] Serrano-Rios M, et al. *Munch Med Wochenschr* 115:1601-3, 21 Sep 73 (Eng. Abstr.) (Ger)

[Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotropin releasing hormone (TRH)] Silvestrini F, et al.

Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)

[Radioimmunological determination of gastrin: hematic values, basal and in response to protein stimulation] Sategna-Guidetti C, et al. *Minerva Med* 64:4510-5, 28 Nov 73 (Eng. Abstr.) (Ita)

CHEMICALLY INDUCED

Coarse features in epilepsy as a consequence of anticonvulsant therapy. Report of cases in two pairs of identical twins. Falconer MA, et al. *Lancet* 2:1112-4, 17 Nov 73

COMPLICATIONS

[Diagnosis and treatment of hypercalcemia] Verhanck M, et al. *Brux Med* 53:649-68, Nov 73 (Fre)

[Case of acromegaly with diabetes and galactorrhea with successful pregnancy] Takeda R, et al.

Clin Endocrinol (Tokyo) 21:731-5, Jul 73 (Jap)

[Collagen in endocrine diseases with bone involvement] Ganea E.

Stud Cercet Endocrinol 24:473-82, 1973 (Rum)

DIAGNOSIS

The usefulness of thyrotropin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.

Kobe J Med Sci 19:13-22, Mar 73

[The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al.

Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

[EMG syndrome, Berardinelli-Seip syndrome, and Sotos' syndrome--comparison of special aspects (author's transl)] Wiedemann HR.

Z Kinderheilkd 115:193-207, 1 Oct 73 (Eng. Abstr.) (Ger)

METABOLISM

Calcium absorption and excretion in the gut in acromegaly. Sigurdsson G, et al.

Clin Endocrinol (Oxf) 2:187-92, Jul 73

Growth hormone and serotonin antagonist.

N Engl J Med 289:870-1, 18 Oct 73

[Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotropin releasing hormone (TRH)] Silvestrini F, et al.

Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)

PHYSIOPATHOLOGY

[Evaluation of the pituitary-thyroid axis by the triiodothyronine test] Szybiński Z, et al.

Pol Arch Med Wewn 50:1189-96, Nov 73 (Eng. Abstr.) (Pol)

ADENOMA, CHROMOPHOBE

BLOOD

Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al.

Am J Obstet Gynecol 118:91-101, 1 Jan 74

[Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotropin releasing hormone (TRH)] Silvestrini F, et al.

Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)

COMPLICATIONS

Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al.

Am J Obstet Gynecol 118:91-101, 1 Jan 74

Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al.

Aust NZ J Med 3:371-5, Aug 73

DIAGNOSIS

Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al.

Aust NZ J Med 3:371-5, Aug 73

The usefulness of thyrotropin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.

Kobe J Med Sci 19:13-22, Mar 73

METABOLISM

An immunological study of human brain tumors concerning the brain specific protein S-100 and 14.3.2. Haglid K, et al.

Acta Neuropathol (Berl) 24:187-96, 16 May 73

[Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotropin releasing hormone (TRH)] Silvestrini F, et al.

Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)

RADIOTHERAPY

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.

Am J Obstet Gynecol 117:955-61, 1 Dec 73

SURGERY

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.

Am J Obstet Gynecol 117:955-61, 1 Dec 73

[Surgical problems in pituitary chromophobe adenomas] Kunc Z.

Cesk Neurol Neurochir 36:349-56, Nov 73 (Eng. Abstr.) (Cze)

ADENOMA, EOSINOPHILIC

COMPLICATIONS

The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma.

Hajjar ET, et al. *J Med Liban* 26:241-5, 1973

SURGERY

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.

Am J Obstet Gynecol 117:955-61, 1 Dec 73

The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma.

Hajjar ET, et al. *J Med Liban* 26:241-5, 1973

CHIARI-FROMMEL SYNDROME

[The Chiari-Frommel syndrome] Skalba H, et al.

Ginekol Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)

PITUITARY

DIABETES INSIPIDUS

BLOOD

Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al.
Am J Obstet Gynecol 118:91-101, 1 Jan 74

COMPLICATIONS

Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al.
Am J Obstet Gynecol 118:91-101, 1 Jan 74

DIAGNOSIS

[The Chiari-Frommel syndrome] Skalha H, et al.
Ginek Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)

DRUG THERAPY

[The Chiari-Frommel syndrome] Skalha H, et al.
Ginek Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)

ETIOLOGY

[The Chiari-Frommel syndrome] Skalha H, et al.
Ginek Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)

CRANIOPHARYNGIOMA

COMPLICATIONS

[Secondary optic atrophies] Forcier P.
Vie Med Can Fr 2:739-41, Aug 73 (Fre)
[Pituitary disorders; growth disturbances (author's transl)] Bierich JR.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)
[Neuromuscular complications in the course of panhypopituitarism. (Description of a case)] Vio M, et al.
Acta Neurol (Napoli) 28:425-32, Jul-Aug 73 (Eng. Abstr.) (Ita)

DIAGNOSIS

Detection of 247 midline and posterior fossa tumors by combined scintigraphic and digital gammaencephalography. Ostertag C, et al.
J Neurosurg 40:224-9, Feb 74
[The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al.
Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)

PATHOLOGY

Fenestrated blood vessels in craniopharyngioma. Hirano A, et al.
Acta Neuropathol (Berl) 26:171-7, 11 Oct 73
Dysplastic gliosis (spongloblastosis) and the Rosenthal fibres. Pathogenetic contributions. Vuia O.
Virchows Arch [Pathol Anat] 361:1-10, 10 Oct 73

RADIOGRAPHY

Computerized transverse axial scanning (tomography). 2. Clinical application. Ambrose J.
Br J Radiol 46:1023-47, Dec 73
Computerized axial tomography with the EMI scanner. New PF, et al. Radiology 110:109-23, Jan 74
[Rickham-valve drainage in recurrent cystic craniopharyngioma] Ob SY.
Schweiz Arch Neurol Neurochir Psychiatr 113:57-72, 1973 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Proceedings: Brain tumors in children. Wilson CB.
Proc Natl Cancer Conf 7:611-8, 1973

SURGERY

Proceedings: Brain tumors in children. Wilson CB.
Proc Natl Cancer Conf 7:611-8, 1973
[Rickham-valve drainage in recurrent cystic craniopharyngioma] Ob SY.

Schweiz Arch Neurol Neurochir Psychiatr 113:57-72, 1973 (Eng. Abstr.) (Ger)
[Empty sella syndrome following removal of suprasellar epidermoid] Malukiewicz W, et al.
Neurol Neurochir Pol 7:745-8, Sep-Oct 73 (Pol)

DIABETES INSIPIDUS

BLOOD

Treatment with new synthetic analogue of vasopressin in diabetes insipidus. Nash H.
Arch Dis Child 48:979-80, Dec 73
Lithium carbonate-induced nephrogenic diabetes insipidus and glucose intolerance.
Martinez-Maldonado M, et al.
Arch Intern Med 132:881-4, Dec 73

CHEMICALLY INDUCED

Lithium carbonate-induced nephrogenic diabetes insipidus and glucose intolerance.
Martinez-Maldonado M, et al.
Arch Intern Med 132:881-4, Dec 73

COMPLICATIONS

[Primary alveolar hypoventilation of central origin. Apropos of a case] Giroud M, et al.
Ann Med Interne (Paris) 124:611-5, Aug-Sep 73 (Fre)
[Histiocytosis X (eosinophilic granuloma) associated with diabetes insipidus and pulmonary and bone lesions] Kondo A, et al.
Jap J Thorac Dis 11:481-5, Aug 73 (Jap)

DIAGNOSIS

The usefulness of thyrotropin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Kobe J Med Sci 19:13-22, Mar 73
[A case of polyuro-polydipsic syndrome caused by osmoreceptor disorders] Dauhresse JC, et al.
Rev Med Liege 28:748-52, 1 Nov 73 (Fre)

DRUG THERAPY

Treatment with new synthetic analogue of vasopressin in diabetes insipidus. Nash H.
Arch Dis Child 48:979-80, Dec 73
Lithium carbonate-induced nephrogenic diabetes insipidus and glucose intolerance.
Martinez-Maldonado M, et al.
Arch Intern Med 132:881-4, Dec 73
Antidiuretic effect of clofibrate and carbamazepine in diabetes insipidus: studies on free water clearance and response to a water load. Bonnici F.
Clin Endocrinol (Oxf) 2:265-75, Jul 73
Excessive decrease in free water clearance induced by furosemide and ethacrynic acid in nephrogenic diabetes insipidus associated with renal tubular acidosis. Radó JP, et al.
Endokrinologie 61:413-29, Jun 73
Antidiuretic effect of clofibrate in therapy of diabetes insipidus. Gennes JL de, et al.
Horm Metab Res 5:461-6, Nov 73
Combination of carbamazepine and chlorpropamide in the treatment of "hyposponder" pituitary diabetes insipidus. Radó JP.
J Clin Endocrinol Metab 38:1-7, Jan 74
Acute renal effects of high doses of furosemide administered intravenously in patients with advanced chronic renal insufficiency. Radó JP, et al.
J Med (Basel) 4:219-32, 1973
Treatment of pitressin sensitive diabetes insipidus in children with clofibrate and carbamazepine.
Mühlendahl KE von, et al.
Z Kinderheilkd 115:83-8, 9 Aug 73
[Chlorpropamide in diabetes mellitus] Haugen HN.
Tidsskr Nor Laegeforen 93:1601-2, 20 Aug 73 (Eng. Abstr.) (Nor)
[Chlorpropamide treatment of diabetes insipidus] Agapova EN, et al. Ter Arkh 45:41-3, Sep 73 (Rus)

ETIOLOGY

Diabetes insipidus associated with an empty sella turcica. Matisonn R, et al.
Postgrad Med J 49:274-6, Apr 73
[Adult histiocytosis X with multiple localizations. 6

DIABETES INSIPIDUS

- year course and therapeutic discussion] Batime J, et al.
Ann Med Interne (Paris) 124:591-600, Aug-Sep 73 (Fre)
[Importance of early diagnosis of pituitary tumors] Joachim M, et al.
Bull Soc Belge Ophthalmol 163:195-202, Feb 73 (Fre)
[A case of polyuro-polydipsic syndrome caused by osmoreceptor disorders] Daubresse JC, et al.
Rev Med Liege 28:748-52, 1 Nov 73 (Fre)

METABOLISM

- Clinical studies and applications of cyclic nucleotides. Murad F.
Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
Degeneration and regeneration of neurosecretory systems. Dellmann HD.
Int Rev Cytol 36:215-315, 1973 (153 ref.)

PHYSIOPATHOLOGY

- Excessive decrease in free water clearance induced by furosemide and ethacrynic acid in nephrogenic diabetes insipidus associated with renal tubular acidosis. Radó JP, et al.
Endokrinologie 61:413-29, Jun 73
Renal hemodynamic changes associated with antidiuretic actions of chlorpropamide, clofibrate and thiazide in diabetes insipidus. Wada T, et al.
Jap Circ J 37:935-9, Aug 73

URINE

- Treatment with new synthetic analogue of vasopressin in diabetes insipidus. Nash H.
Arch Dis Child 48:979-80, Dec 73
Lithium carbonate-induced nephrogenic diabetes insipidus and glucose intolerance.
Martinez-Maldonado M, et al.
Arch Intern Med 132:881-4, Dec 73

DWARFISM

- The Russell-Silver syndrome: a nine-year follow-up. McDowell RV, et al. Am J Dis Child 126:794-6, Dec 73
Maturation of nonmyelinated fiber bundles in a strain of dwarf (Snell's) mice. Reier PJ, et al.
Anat Rec 178:103-18, Jan 74
[Diastrophic dwarfism: apropos of a case] Jiménez M, et al.
Rev Invest Clin 25:245-52, Jul-Sep 73 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

- Imipramine and congenital abnormalities. Gilani SH.
Pathol Microbiol (Basel) 40:37-42, 1974

CLASSIFICATION

- Thanatophoric dwarfism II. Goard KE, et al.
Pediatr Radiol 1:8-11, Mar 73

COMPLICATIONS

- Cartilage hair hypoplasia. Boothby CB, et al.
Arch Dis Child 48:918-21, Nov 73
Orthopaedic considerations of Silver's syndrome. Specht EE, et al.
J Bone Joint Surg [Am] 55:1502-10, Oct 73
[Silver-Russell syndrome in a 5 one half-year-old boy] Kaiser E, et al. Orv Hetil 114:2908-10, 2 Dec 73 (Hun)

CONGENITAL

- Thanatophoric dwarfism II. Goard KE, et al.
Pediatr Radiol 1:8-11, Mar 73

DIAGNOSIS

- Studies of malformation syndromes of man XXIV B: the Dubowitz syndrome. Further observations. Opitz JM, et al. Z Kinderheilkd 116:1-12, 12 Dec 73
[Pituitary disorders; growth disturbances (author's transl)] Bierich JR.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)
[Thanatophorous dwarfism] Leiber B, et al.
Monatsschr Kinderheilkd 121:607-9, Sep 73 (Ger)
[Bird headed dwarfism (Seckel's syndrome) in a girl

PITUITARY

- (author's transl)] Pichler E, et al.
Monatsschr Kinderheilkd 121:689-91, Nov 73 (Eng. Abstr.) (Ger)
[Ullrich-Turner syndrome in the newborn] Colombo ML, et al.
Minerva Pediatr 25:1421-7, 6 Oct 73 (Eng. Abstr.) (Ita)

DRUG THERAPY

- [Pituitary disorders; growth disturbances (author's transl)] Bierich JR.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)

ETIOLOGY

- [Thanatophorous dwarfism] Leiber B, et al.
Monatsschr Kinderheilkd 121:607-9, Sep 73 (Ger)

FAMILIAL & GENETIC

- Studies of malformation syndromes of man XXIV B: the Dubowitz syndrome. Further observations. Opitz JM, et al. Z Kinderheilkd 116:1-12, 12 Dec 73
[Spontaneous chromosomal instability in the rare hereditary diseases: Fanconi's anemia and Bloom's syndrome] Schroeder TM.
Dtsch Med Wochenschr 98:2213-5, 16 Nov 73 (Ger)
[The Leri-Weill syndrome. Illustration of a case] Chiappo GF, et al.
Minerva Pediatr 25:1315-26, 15 Sep 73 (Eng. Abstr.) (Ita)

METABOLISM

- Recovery of the ability to synthesize DNA in segments of normal size at long times after ultraviolet irradiation of human cells. Buhl SN, et al.
Biophys J 13:1265-75, Dec 73
[Glucocorticoid function of the adrenal glands in patients with cerebral nanism] Polovotskaya GM, et al.
Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Eng. Abstr.) (Rus)

PATHOLOGY

- Lethal forms of chondrodysplastic dwarfism. Curran JP, et al. Pediatrics 53:76-85, Jan 74
[Thanatophorous dwarfism] Leiber B, et al.
Monatsschr Kinderheilkd 121:607-9, Sep 73 (Ger)

RADIOGRAPHY

- Thanatophoric dwarfism II. Goard KE, et al.
Pediatr Radiol 1:8-11, Mar 73
Lethal forms of chondrodysplastic dwarfism. Curran JP, et al. Pediatrics 53:76-85, Jan 74
Mselel joint disease: a radiological study of two affected families. Lockitch G, et al.
S Afr Med J 47:2366-76, 15 Dec 73
[Thanatophorous dwarfism] Leiber B, et al.
Monatsschr Kinderheilkd 121:607-9, Sep 73 (Ger)
[Bird headed dwarfism (Seckel's syndrome) in a girl (author's transl)] Pichler E, et al.
Monatsschr Kinderheilkd 121:689-91, Nov 73 (Eng. Abstr.) (Ger)

DWARFISM, PITUITARY

BLOOD

- Fractionation studies on plasma of normals and patients with Laron dwarfism and hypopituitary gigantism. Bala RM, et al.
Can J Physiol Pharmacol 51:845-52, Nov 73
[Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D.
Monatsschr Kinderheilkd 121:652-5, Oct 73 (Eng. Abstr.) (Ger)
[Familial nanism with high levels of immunoreactive STH] Herrera Pombo JL, et al.
Rev Clin Esp 131:149-52, 31 Oct 73 (Spa)

COMPLICATIONS

- The clinical significance of optic nerve hypoplasia. Billson FA. Trans Ophthalmol Soc NZ 25:179-80, 1973
[Collagen in endocrine diseases with bone involvement] Ganea E.
Stud Cercet Endocrinol 24:473-82, 1973 (Rum)

PITUITARY

HYPOPITUITARISM

DIAGNOSIS

- [Stimulation of the somatotropin secretion by heat]
Kopecký A, et al.
Cesk Pediatr 28:480-2, Sep 73 (Eng. Abstr.) (Cze)
[Various dermatoglyphic findings in growth disorders]
Salichová J, et al.
Cesk Pediatr 28:601-3, Nov 73 (Eng. Abstr.) (Cze)
[Diagnosis and treatment of hypopituitary dwarfism
(author's transl)] Schönberg D.
Monatsschr Kinderheilkd 121:652-5, Oct 73 (Eng.
Abstr.) (Ger)

DRUG THERAPY

- Collaborative study of the effects of human growth hormone in growth hormone deficiency. II. Development and significance of antibodies to human growth hormone during the first year of therapy. Fraser SD, et al.
J Clin Endocrinol Metab 38:14-8, Jan 74
[Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D.
Monatsschr Kinderheilkd 121:652-5, Oct 73 (Eng. Abstr.) (Ger)

ETIOLOGY

- [Pituitary disorders; growth disturbances (author's transl)] Bierich JR.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)

FAMILIAL & GENETIC

- The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al.
Acta Pathol Microbiol Scand [A] 81:225-8, May 73
[Familial nanism with high levels of immunoreactive STH] Herrera Pomho JL, et al.
Rev Clin Esp 131:149-52, 31 Oct 73 (Spa)

IMMUNOLOGY

- Collaborative study of the effects of human growth hormone in growth hormone deficiency. II. Development and significance of antibodies to human growth hormone during the first year of therapy. Fraser SD, et al.
J Clin Endocrinol Metab 38:14-8, Jan 74

METABOLISM

- [Stimulation of the somatotropin secretion by heat]
Kopecký A, et al.
Cesk Pediatr 28:480-2, Sep 73 (Eng. Abstr.) (Cze)

PATHOLOGY

- The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al.
Acta Pathol Microbiol Scand [A] 81:225-8, May 73

GIGANTISM

BLOOD

- Fractionation studies on plasma of normals and patients with Laron dwarfism and hypopituitary gigantism. Bala RM, et al.
Can J Physiol Pharmacol 51:845-32, Nov 73

DIAGNOSIS

- [EMG syndrome, Berardinelli-Seip syndrome, and Sotos' syndrome--comparison of special aspects (author's transl)] Wiedemann HR.
Z Kinderheilkd 115:193-207, 1 Oct 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

- [Pituitary disorders; growth disturbances (author's transl)] Bierich JR.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)

ETIOLOGY

- [Proceedings: Abnormal intrauterine development]
Cantarutti F, et al.
Minerva Pediatr 25:1550-62, 20 Oct 73 (Ita)

HYPERPITUITARISM

ETIOLOGY

- [Importance of early diagnosis of pituitary tumors]
Joachim M, et al.
Bull Soc Belge Ophtalmol 163:195-202, Feb 73 (Fre)

HYPOPITUITARISM

- Isolated gonadotropin deficiency. A heterogenous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74

BLOOD

- Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome. Aono T, et al.
Am J Obstet Gynecol 117:1046-52, 15 Dec 73
Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. Arch Intern Med 132:836-9, Dec 73
Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al.
J Clin Endocrinol Metab 38:58-63, Jan 74
The effect of synthetic luteinizing hormone-releasing factor on plasma LH levels in pituitary disease. Coscia AM, et al. J Clin Endocrinol Metab 38:83-8, Jan 74
Proceedings: Measurement of plasma adrenocorticotrophin levels in normal and hypopituitary subjects by redox bioassay. Holdaway IM, et al. J Endocrinol 59:28, Nov 73
Isolated gonadotropin deficiency. A heterogenous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74
Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. NZ Med J 78:204-8, 12 Sep 73

COMPLICATIONS

- A survival case of myxedema coma of pituitary origin. Murase T, et al. Endocrinol Jap 20:331-4, Jun 73
Isolated gonadotropin deficiency. A heterogenous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74
Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. NZ Med J 78:204-8, 12 Sep 73
[Neuromuscular complications in the course of panhypopituitarism. (Description of a case)] Vio M, et al.
Acta Neurol (Napoli) 28:425-32, Jul-Aug 73 (Eng. Abstr.) (Ita)
[Differential diagnosis in Simmonds' syndrome]
Brzecki A, et al.
Pol Tyg Lek 28:1820-2, 12 Nov 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

- Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al.
Aust NZ J Med 3:371-5, Aug 73
An assessment of the metyrapone test. Shahmanesh M, et al. Clin Endocrinol (Oxf) 2:201-6, Jul 73
Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al.
J Clin Endocrinol Metab 38:58-63, Jan 74
Proceedings: Studies on synthetic LH-FSH-releasing hormone. Newton J, et al.
J Reprod Fertil 35:622-3, Dec 73
Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. NZ Med J 78:204-8, 12 Sep 73
[Case of anterior pituitary insufficiency following head trauma] Okuma T, et al.
Clin Neurol (Tokyo) 13:508-12, Aug 73 (Eng. Abstr.) (Jap)
[Differential diagnosis in Simmonds' syndrome]
Brzecki A, et al.
Pol Tyg Lek 28:1820-2, 12 Nov 73 (Eng. Abstr.) (Pol)

DRUG THERAPY

A survival case of myxedema coma of pituitary origin. Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73
Isolated gonadotropin deficiency. A heterogenous syndrome. Spitz IM, et al. *N Engl J Med* 290:10-5, 3 Jan 74
[Successful treatment of postpartum hypopituitarism with decoction of Radix glycyrrhizae and Radix ginseng: report of a case] Lei CC, et al. *Chin Med J* 11:693-4, Nov 73 (Eng. Abstr.) (Chi)

ETIOLOGY

Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al. *Aust NZ J Med* 3:371-5, Aug 73
[Importance of early diagnosis of pituitary tumors] Joachim M, et al. *Bull Soc Belge Ophtalmol* 163:195-202, Feb 73 (Fre)
[Case of anterior pituitary insufficiency following head trauma] Okuma T, et al. *Clin Neurol (Tokyo)* 13:506-12, Aug 73 (Eng. Abstr.) (Jap)
[Postpartum hypophyseal deficiency] Campos Somellera J, et al. *Ginecol Obstet Mex* 34:281-6, Sep 73 (Eng. Abstr.) (Spa)

METABOLISM

[Experiments on hypothalamic effect on metabolic endocrine processes] Lauter AD. *Fiziol Zh* 19:684-91, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PATHOLOGY

[Case of anterior pituitary insufficiency following head trauma] Okuma T, et al. *Clin Neurol (Tokyo)* 13:506-12, Aug 73 (Eng. Abstr.) (Jap)

PHYSIOPATHOLOGY

Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome. Aono T, et al. *Am J Obstet Gynecol* 117:1046-52, 15 Dec 73
Effect of L-dopa on the secretion of plasma growth hormone in children and adolescents. Laron Z, et al. *Clin Endocrinol (Oxf)* 2:1-7, Jan 73
Serum thyrotrophin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al. *Clin Endocrinol (Oxf)* 2:219-25, Jul 73
Secondary hypopituitarism: evidence for continuing regulation of hormone release. Woolf PD, et al. *J Clin Endocrinol Metab* 38:71-6, Jan 74
Isolated gonadotropin deficiency. A heterogenous syndrome. Spitz IM, et al. *N Engl J Med* 290:10-5, 3 Jan 74
[LH-RH test in diencephalon-pituitary diseases] Hashimoto T, et al. *Clin Endocrinol (Tokyo)* 21:925-33, Sep 73 (Jap)

URINE

Thyrotrophin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73

PITUITARY DISEASES

Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73
[Pituitary disorders; growth disturbances (author's transl)] Blierich JR. *Monatsschr Kinderheilkd* 121:647-51, Oct 73 (Ger)
[EMG syndrome, Berardineili-Selp syndrome, and Sotos' syndrome--comparison of special aspects (author's transl)] Wiedemann HR. *Z Kinderheilkd* 115:193-207, 1 Oct 73 (Eng. Abstr.) (Ger)
[Panel discussion: anesthesia for patients with endocrine diseases. 2] Fujita T, et al. *Jap J Anesthesiol* 22:1017-30, Sep 73 (Jap)
[Empty sella syndrome following removal of

suprasellar epidermoid] Malukiewicz W, et al. *Neurol Neurochir Pol* 7:745-8, Sep-Oct 73 (Pol)

BLOOD

Regulation of skeletal growth by sulfation factor. Daughaday WH. *Adv Intern Med* 17:237-63, 1973 (70 ref.)
Proceedings: L-DOPA as a test of anterior pituitary function. Millar JG, et al. *J Endocrinol* 59:xxv-xxvi, Nov 73
[Synthetic LH-RH tolerance test for children] Nimi H, et al. *Clin Endocrinol (Tokyo)* 21:969-73, Sep 73 (Jap)
[Determination of blood LH and FSH with radioimmunoassay kit and its clinical evaluation examination] Yoshimoto S, et al. *Clin Endocrinol (Tokyo)* 21:753-9, Jul 73 (Jap)

COMPLICATIONS

Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73
The empty sella syndrome. Virilization in a 59-year-old woman. Shore RN, et al. *JAMA* 227:69-70, 7 Jan 74
Neurological aspects of carcinoma and systemic diseases. Mawdsley C. *Practitioner* 211:282-94, Sep 73 (30 ref.)

CONGENITAL

[Pituitary disorders; growth disturbances (author's transl)] Blierich JR. *Monatsschr Kinderheilkd* 121:647-51, Oct 73 (Ger)

DIAGNOSIS

The usefulness of thyrotrophin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al. *Kobe J Med Sci* 19:13-22, Mar 73
[The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al. *Dtsch Med Wochenschr* 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)
[Apoplectic form haemorrhages in hypophyseal tumours (author's transl)] Spatz R, et al. *Munch Med Wochenschr* 115:2021-4, 9 Nov 73 (Eng. Abstr.) (Ger)
[Use of the TSH releasing hormone in examination of the hypothalamo-hypophyseal-thyroid system] Policzner M, et al. *Z Aerzt Fortbild (Jena)* 67:872-5, 1 Sep 73 (Ger)

DRUG THERAPY

Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73

ETIOLOGY

Pituitary necrosis in patients maintained on mechanical respirators. Daniel PM, et al. *J Pathol* 111:135-8, Oct 73

METABOLISM

Regulation of skeletal growth by sulfation factor. Daughaday WH. *Adv Intern Med* 17:237-63, 1973 (70 ref.)
Proceedings: Absent positive feedback of oestrogens: a cause of amenorrhoea in hypothalamic-pituitary disease. Marshall JC, et al. *J Endocrinol* 59:xxiv, Nov 73
[Isolated deficiency of anterior pituitary hormone] Kumahara Y, et al. *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

PATHOLOGY

Pituitary necrosis in patients maintained on mechanical respirators. Daniel PM, et al. *J Pathol* 111:135-8, Oct 73

PITUITARY

PITUITARY NEOPLASMS

PHYSIOPATHOLOGY

- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- The triiodothyronine and thyroxine response to thyrotrophin-releasing hormone in the assessment of the pituitary-thyroid axis. Lawton NF, et al. *Clin Endocrinol (Oxf)* 2:57-63, Jan 73
- Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders. Lee PA. *Clin Endocrinol (Oxf)* 2:255-64, Jul 73
- Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73
- [LH-RH test in diencephalon-pituitary diseases] Hashimoto T, et al. *Clin Endocrinol (Tokyo)* 21:925-33, Sep 73 (Jap)

PITUITARY GLAND

ABNORMALITIES

- The empty sella syndrome. Virilization in a 59-year-old woman. Shore RN, et al. *JAMA* 227:69-70, 7 Jan 74
- [Empty sella syndrome following removal of suprasellar epidermoid] Malukiewicz W, et al. *Neurol Neurochir Pol* 7:745-8, Sep-Oct 73 (Pol)

PITUITARY NEOPLASMS

- Effects of 7, 12-dimethylbenz(a)anthracene and estrogen on the transplantation and growth of a rat pituitary tumor. Fang VS, et al. *Cancer Res* 34:225-9, Jan 74
- Metastasis in a transplantable mammotrophic pituitary tumor. Nickerson PA, et al. *Cancer Res* 33:3135-8, Dec 73
- Cell-free synthesis of rat growth hormone. Bancroft FC, et al. *Proc Natl Acad Sci USA* 70:3646-9, Dec 73
- Thyroid hormone action in cell culture: demonstration of nuclear receptors in intact cells and isolated nuclei. Samuels HH, et al. *Proc Natl Acad Sci USA* 70:3488-92, Dec 73

BLOOD

- Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74
- Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. Faglia G, et al. *Folia Endocrinol (Roma)* 26:245-56, Aug 73
- The effect of synthetic luteinizing hormone-releasing factor on plasma LH levels in pituitary disease. Coscia AM, et al. *J Clin Endocrinol Metab* 38:83-8, Jan 74
- [Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotrophin releasing hormone (TRH)] Silvestrini F, et al. *Folia Endocrinol (Roma)* 26:398-406, Oct 73 (Ita)

COMPLICATIONS

- Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74
- Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al. *Aust NZ J Med* 3:371-5, Aug 73
- Amenorrhoea after discontinuing combined oestrogen-progesterone oral contraceptives. Steele SJ, et al. *Br Med J* 4:343-5, 10 Nov 73
- [Importance of early diagnosis of pituitary tumors] Joachim M, et al. *Bull Soc Belge Ophtalmol* 163:195-202, Feb 73 (Fre)
- [Apoplecticform haemorrhages in hypophyseal tumours (author's transl)] Spatz R, et al. *Munch Med Wochenschr* 115:2021-4, 9 Nov 73 (Eng. Abstr.) (Ger)
- [Neuromuscular complications in the course of panhypopituitarism. (Description of a case)] Vio M, et al. *Acta Neurol (Napoli)* 28:425-32, Jul-Aug 73 (Eng. Abstr.) (Ita)
- [Hyperinsulinism and polyendocrine adenomatosis] Basoli A, et al. *Folia Endocrinol (Roma)* 26:356-60, Oct 73 (Ita)
- [Behavior of plasmatic TSH in pituitary neoplasms

- after stimulation with thyrotrophin releasing hormone (TRH)] Silvestrini F, et al. *Folia Endocrinol (Roma)* 26:398-406, Oct 73 (Ita)

DIAGNOSIS

- Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al. *Aust NZ J Med* 3:371-5, Aug 73
- Radioimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. Croughs RJ, et al. *J Endocrinol* 59:439-49, Dec 73
- Detection of 247 midline and posterior fossa tumors by combined scintigraphic and digital gammaencephalography. Ostertag C, et al. *J Neurosurg* 40:224-9, Feb 74
- The usefulness of thyrotrophin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al. *Kobe J Med Sci* 19:13-22, Mar 73
- [Importance of early diagnosis of pituitary tumors] Joachim M, et al. *Bull Soc Belge Ophtalmol* 163:195-202, Feb 73 (Fre)
- [The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotrophic pituitary function (author's transl)] Solbach HG, et al. *Dtsch Med Wochenschr* 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)
- [Apoplecticform haemorrhages in hypophyseal tumours (author's transl)] Spatz R, et al. *Munch Med Wochenschr* 115:2021-4, 9 Nov 73 (Eng. Abstr.) (Ger)
- [Early manifestation of intracranial neoplasms (author's transl)] Wörz R. *Munch Med Wochenschr* 115:2009-15, 9 Nov 73 (Eng. Abstr.) (Ger)

METABOLISM

- Estrogen-sensitive cells. Hormone receptors in tumors and cells in culture. Meeter J, et al. *Exp Cell Res* 81:447-52, Oct 73
- Effect of anti-mitotic drugs on the in vitro secretory activity of mammothrophs and somatotrophs and on their microtubules. MacLeod RM, et al. *Proc Soc Exp Biol Med* 144:259-67, 1 Oct 73

OCCURRENCE

- Intracranial space occupying lesions--an analysis of 200 cases. Banerjee AK, et al. *Indian J Pathol Bacteriol* 15:83-92, Jul 72

PATHOLOGY

- Metastasis in a transplantable mammotrophic pituitary tumor. Nickerson PA, et al. *Cancer Res* 33:3135-8, Dec 73
- [Ultrastructure of pituitary adenomas in Cushing's syndrome after adrenalectomy (author's transl)] Saeger W. *Virchows Arch [Pathol Anat]* 361:39-50, 10 Oct 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- Effects of 7, 12-dimethylbenz(a)anthracene and estrogen on the transplantation and growth of a rat pituitary tumor. Fang VS, et al. *Cancer Res* 34:225-9, Jan 74
- [Videopupillographic perimetry. 2. Findings and its method used in human and rabbits eyes (author's transl)] Narasaki S, et al. *Acta Soc Ophthalmol Jap* 77:1278-310, Sep 73 (Eng. Abstr.) (Jap)
- [The specificity for spectral sensitivity in critical flicker fusion perimetry (author's transl)] Yamasawa K. *Acta Soc Ophthalmol Jap* 77:1325-39, Sep 73 (Eng. Abstr.) (Jap)
- [Considerations on the relationships between neuraminic acid levels and morphology of spermatozoa in humans] Dinulescu E, et al. *Stud Cercet Endocrinol* 24:509-15, 1973 (Rum)

PITUITARY

PITUITARY NEOPLASMS

RADIOGRAPHY

- Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al.
Am J Obstet Gynecol 118:91-101, 1 Jan 74
Computerized axial tomography with the EMI scanner.
New PF, et al. Radiology 110:109-23, Jan 74

RADIOTHERAPY

- Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
Am J Obstet Gynecol 117:955-61, 1 Dec 73
A radiotherapeutic technique for pituitary adenomas.
Mead KW. Australas Radiol 17:250-5, Sep 73

SURGERY

- Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
Am J Obstet Gynecol 117:955-61, 1 Dec 73
[Surgical problems in pituitary chromophobe adenomas] Kunc Z.
Cesk Neurol Neurochir 36:349-56, Nov 73 (Eng. Abstr.) (Cze)
[Importance of early diagnosis of pituitary tumors] Joachim M, et al.
Bull Soc Belge Ophtalmol 163:195-202, Feb 73 (Fre)
[Apoplectiform haemorrhages in hypophyseal tumours (author's transl)] Spatz R, et al.
Munch Med Wochenschr 115:2021-4, 9 Nov 73 (Eng. Abstr.) (Ger)

SHEEHAN'S SYNDROME

BLOOD

- Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome. Aono T, et al.
Am J Obstet Gynecol 117:1046-52, 15 Dec 73

DRUG THERAPY

- [Successful treatment of postpartum hypopituitarism with decoction of Radix glycyrrhizae and Radix ginseng: report of a case] Lei CC, et al.
Chin Med J 11:693-4, Nov 73 (Eng. Abstr.) (Chi)

ETIOLOGY

- [Postpartum hypophyseal deficiency] Campos Somellera J, et al.
Ginecol Obstet Mex 34:281-6, Sep 73 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

- Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome. Aono T, et al.
Am J Obstet Gynecol 117:1046-52, 15 Dec 73
[Evaluation of the pituitary-thyroid axis by the triiodothyronine test] Szybiński Z, et al.
Pol Arch Med Wewn 50:1189-96, Nov 73 (Eng. Abstr.) (Pol)

PITUITARY

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN

- Human adrenal tumors and hyperplasias in vitro: a bridge between morphology and function. Tazaki H, et al. *Invest Urol* 11:288-94, Jan 74
- A general method of tritium labeling utilizing microwave discharge activation of tritium gas. Methodology and application to biological compounds. Hembree WC, et al. *J Biol Chem* 248:5532-40, 10 Aug 73
- Proceedings: A simple enzymic method for the radio-iodination of adrenocorticotrophic hormone. McIlhinney RA, et al. *J Endocrinol* 59:xxvi-xxvii, Nov 73
- Lipolytic activity of Met-Arg-His-Phe-Arg-Trp-Gly, a synthetic analog of the ACTH (4-10) core sequence. Draper MW, et al. *J Med Chem* 16:1326-30, Dec 73
- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
- [Detection of corticotrophic and melanotrophic cells in the hypophysis of the frog, *Rana temporaria* in the course of the development (author's transl)] Doerr-Schott J, et al.
- Z Zellforsch Mikrosk Anat* 142:571-80, 1973 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

- Effect of chronic treatment with ACTH on 11 beta-hydroxylation in rat adrenal mitochondria. De Nicola AF. *Acta Physiol Lat Am* 23:178-82, 1973
- A correlation study between adrenal function and the duration of sustained ACTH treatments in the rat. Lantos CP, et al.
- Acta Physiol Lat Am* 23:277-87, Apr 73
- Dynamic response of the intact canine adrenal to infused ACTH. Lake RB, et al.
- Ann Biomed Eng* 1:56-68, Sep 72
- Proceedings: A re-examination of the hypoglycaemia-induced "stress" response of the hypothalamo-pituitary-adrenal axis in patients with rheumatoid arthritis on long-term adrenocorticotrophin (ACTH) therapy. Fielesher MR, et al. *Ann Rheum Dis* 32:595-6, Nov 73
- Effect of synthetic corticotropins on human growth hormone secretion. Takahara J, et al.
- Endocrinol Jap* 20:411-5, Aug 73
- Letter: P.H.A. response and steroid therapy. Braeman J, et al. *Lancet* 1:28, 5 Jan 74
- Trichinosis—the Maryland outbreak of 1970. Alta JF, et al. *Md State Med J* 22:40-6, Dec 73

ADVERSE EFFECTS

- Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of iatrogenic Cushing's syndrome. Caniggia A, et al. *Helv Med Acta* 37:221-5, Oct 73
- Effect of vasopressin administration on renal haemodynamic changes in rats treated with ACTH. László FA, et al.
- Res Exp Med (Berl)* 161:195-202, 22 Oct 73

ANALYSIS

- The corticotroph of the rat adenohypophysis: a comparative study. Bowie EP, et al.
- Am J Anat* 138:499-519, Dec 73
- ACTH and MSH assays and their clinical application. Besser GM.
- Clin Endocrinol (Oxf)* 2:175-86, Apr 73 (55 ref.)
- Immunohistochemical demonstration of corticotrophic cells concentrated in the rostral zone of the pars intermedia of the mouse hypophysis. Stoeckel ME, et al. *Experientia* 29:1289-90, 15 Oct 73
- Two ACTH species in rat pituitary gland. Lang RE, et al.
- FEBS Lett* 37:197-9, 1 Dec 73
- Purification of adenohypophyseal plasma membranes

- and properties of associated adenylate cyclase. Poirier G, et al. *J Biol Chem* 249:316-22, 10 Jan 74
- Adrenocorticotropin. 45. Synthesis and steroidogenic activity of (1-alanine)adrenocorticotropin-(1-20)-amide, (1-D-alanine)adrenocorticotropin-(1-20)-amide, and (1-14C)alanine)adrenocorticotropin-(1-20)-amide. Blake J, et al. *J Med Chem* 17:233-5, Feb 74
- Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73
- Immunohistochemical localization of adrenocorticotropin and melanocyte stimulating hormone in pars intermedia of rat hypophysis. Nalk DV. *Z Zellforsch Mikrosk Anat* 142:289-304, 17 Sep 73
- Electron microscopic-immunocytochemical localization of adrenocorticotropin and melanocyte stimulating hormone in the pars intermedia cells of rats and mice. Nalk DV.
- Z Zellforsch Mikrosk Anat* 142:305-28, 17 Sep 73
- [Localisation by immunofluorescence of secretions related to thyrotropins, gonadotropins and corticotropins in axoloti pituitary (Ambystoma mexicanum, Shaw (author's transl)] Hauser-Gunsbourg N, et al.
- Z Zellforsch Mikrosk Anat* 142:539-48, 1973 (Eng. Abstr.) (Fre)

ANTAGONISTS & INHIBITORS

- Central corticotropin inhibition by arginine vasotocin in the mouse. Pavel S, et al.
- Neuroendocrinology* 12:371-5, 1973

BIOSYNTHESIS

- ACTH, glucagon and gastrin production by a pancreatic islet cell carcinoma and its treatment. Belchetz PE, et al. *Clin Endocrinol (Oxf)* 2:307-16, Oct 73
- Production of a corticotrophin-like intermediate lobe peptide and of corticotrophin by a bronchial carcinoma tumour. Ratcliffe JG, et al.
- Clin Endocrinol (Oxf)* 2:51-5, Jan 73
- Immunohistochemical demonstration of corticotrophic cells concentrated in the rostral zone of the pars intermedia of the mouse hypophysis. Stoeckel ME, et al. *Experientia* 29:1289-90, 15 Oct 73

BLOOD

- Somatotrophic and corticotrophic functions in primary hypothyroidism before and after thyroxine treatment. Minozzi M, et al.
- Acta Endocrinol (Kbh)* 74:483-91, Nov 73
- Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. *Am J Physiol* 226:96-104, Jan 74
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al.
- Anesth Analg (Cleve)* 52:1003-10, Nov-Dec 73
- Editorial views: Non-respiratory functions of the lung. Marshall BE. *Anesthesiology* 39:573-4, Dec 73
- Effect of social stress and steroids on antibody production. Gross WB, et al.
- Avian Dis* 17:807-15, Oct-Dec 73
- ACTH, glucagon and gastrin production by a pancreatic islet cell carcinoma and its treatment. Belchetz PE, et al. *Clin Endocrinol (Oxf)* 2:307-16, Oct 73
- Suppression of plasma ACTH levels with corticosteroids in Addison's disease. Holdaway IM. *Clin Endocrinol (Oxf)* 2:37-42, Jan 73
- Plasma ACTH in the adrenalectomized rat. Mims RB. *Horm Metab Res* 5:368-71, Sep 73
- Effects of neuroleptanesthesia on endocrine function in man. Oyama T.
- Int Anesthesiol Clin* 11:171-84, Fall 73 (19 ref.)
- Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:84-8, Jan 74
- Radioimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. Croughs RJ, et al.
- J Endocrinol* 59:439-49, Dec 73
- Proceedings: The correlation between redox bioassay

CORTICOTROPIN

PITUITARY

- and radioimmunoassay for adrenocorticotrophin during insulin hypoglycaemia. Fleisher MR, et al. *J Endocrinol* 59:27-8, Nov 73
- Proceedings: Measurement of plasma adrenocorticotrophin levels in normal and hypopituitary subjects by redox bioassay. Holdaway IM, et al. *J Endocrinol* 59:28, Nov 73
- Proceedings: L-DOPA as a test of anterior pituitary function. Millar JG, et al. *J Endocrinol* 59:xxv-xxvi, Nov 73
- Ectopic adrenocorticotrophin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73
- [On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al. *J Physiol (Paris)* 66:199-209, 1973 (Eng. Abstr.) (Fre)
- [Adrenocortical insufficiency as a result of isolated corticotrophin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al. *Dtsch Med Wochenschr* 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
- [Determination of some hormones in women with simple glaucoma during menopause] Glerkova A. *Klin Oczna* 43:1343-8, Dec 73 (Pol)

CHEMICAL SYNTHESIS

- Adrenocorticotrophin. 45. Synthesis and steroidogenic activity of (1-alanine)adrenocorticotrophin-(1-20)-amide, (1-D-alanine)adrenocorticotrophin-(1-20)-amide, and (1-14C)alanine)adrenocorticotrophin-(1-20)-amide. Blake J, et al. *J Med Chem* 17:233-5, Feb 74

DIAGNOSTIC USE

- Hepatic and adrenocortical function during cyclophosphamide stress therapy. Ylöstalo, et al. *Acta Obstet Gynecol Scand* 52:299-302, 1973
- Adrenal glucocorticoid function in acute viral infections in children. Zeitoun MM, et al. *Acta Paediatr Scand* 62:608-14, Nov 73
- Male infertility caused by abnormal androgen production in the adrenal cortex. Koumans J. *Andrologie* 4:379-84, 1972
- Substitution of beclomethasone aerosol for oral prednisolone in the treatment of chronic asthma. Cameron SJ, et al. *Br Med J* 4:205-7, 27 Oct 73
- Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. *Cancer* 32:1227-35, Nov 73
- Plasma unconjugated and conjugated 17-hydroxycorticosteroids in different clinical disorders. Pal SB. *Clin Endocrinol (Oxf)* 2:141-51, Apr 73
- Familial congenital adrenal hypoplasia. Brook CG, et al. *Helv Paediatr Acta* 28:277-82, Oct 73
- Adrenocortical responsiveness after long-term corticosteroid therapy in childhood nephrosis. Kobayashi A, et al. *Helv Paediatr Acta* 28:341-8, Oct 73
- A gonadotropin-responsive adrenocortical adenoma. Glvens JR, et al. *J Clin Endocrinol Metab* 38:126-33, Jan 74
- Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr. *Proc Natl Cancer Conf* 7:513-21, 1973
- [Combination of ACTH dexamethazone and HCG in the differential diagnosis of hirsutism and polycystic ovaries (author's transl)] Divila F, et al. *Cesk Gynekol* 38:627-9, Sep 73 (Cze)
- [Adrenocortical insufficiency as a result of isolated corticotrophin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al. *Dtsch Med Wochenschr* 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)

METABOLISM

- Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. *Am J Physiol* 226:96-104, Jan 74
- Plasma ACTH in the adrenalectomized rat. Mims RB. *Horm Metab Res* 5:368-71, Sep 73
- Hormone receptors. 3. Properties of glucagon-binding proteins isolated from liver plasma membranes. Giorgio NA, et al. *J Biol Chem* 249:428-37, 25 Jan 74
- Proceedings: Calcium dependent release of hypophysiotropic substances from nerve-endings (synaptosomes) isolated from the hypothalamus. Bennett GW, et al. *J Endocrinol* 59:xv-xvi, Nov 73
- Proceedings: Adrenocorticotrophin (ACTH) and beta-melanocyte-stimulating hormone peptides in

- tumours associated with the ectopic ACTH syndrome. Bloomfield G, et al. *J Endocrinol* 59:28-9, Nov 73
- Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. *J Endocrinol* 59:ii-ix, Nov 73
- Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73
- Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al. *Pharmacology* 10:111-22, 1973
- [Short feedback action of ACTH] Takebe K. *Clin Endocrinol (Tokyo)* 21:951-4, Sep 73 (Jap)
- [Isolated deficiency of anterior pituitary hormone] Kumahara Y, et al. *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)
- [Morphogenesis of the fetal adrenal cortex in pig's fetuses in relation to the development of adenohipophysis] Atagimov MZ. *Arkhn Anat Gistol Embriol* 65:34-9, Sep 73 (Eng. Abstr.) (Rus)
- [Age peculiarities of the hypothalamic regulation of the hypophyseal-adrenal system in rats] Drhevskaya IA, et al. *Probl Endokrinol (Mosk)* 19:59-62, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

- Biological activity of corticotrophin peptides with homo-arginine, lysine or ornithine substituted for arginine in position 8. Tesser GI, et al. *Acta Endocrinol (Kbh)* 74:56-66, Sep 73
- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol (Kbh)* 74:842-58, Dec 73
- Adrenal glucocorticoid function in acute viral infections in children. Zeitoun MM, et al. *Acta Paediatr Scand* 62:608-14, Nov 73
- Correlation between hypothalamic serotonin content and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermes I, et al. *Acta Physiol Acad Sci Hung* 43:33-42, 1973
- Effect of chronic treatment with ACTH on 11 beta-hydroxylation in rat adrenal mitochondria. De Nicola AF. *Acta Physiol Lat Am* 23:178-82, 1973
- Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. *Am J Physiol* 225:1306-10, Dec 73
- Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. *Am J Physiol* 226:96-104, Jan 74
- Metabolic effects of ACTH in the sheep. Scoggins BA, et al. *Am J Physiol* 226:198-205, Jan 74
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al. *Anesth Analg (Cleve)* 52:1003-10, Nov-Dec 73
- Lymphocytes in some hyperesinophilic states. Rebhun J. *Ann Allergy* 31:590-5, Dec 73
- Dynamic response of the intact canine adrenal to infused ACTH. Lake RB, et al. *Ann Biomed Eng* 1:56-68, Sep 72
- Proceedings: Effect of corticotrophin and oral corticosteroids on nocturnally released growth hormone. Motson R, et al. *Ann Rheum Dis* 32:595, Nov 73
- The in vivo effect of indomethacin and prostaglandin E2 on ACTH and DBCAMP-induced steroidogenesis in hypophysectomized rats. Gallant S, et al. *Biochem Biophys Res Commun* 55:831-6, 10 Dec 73
- Adrenocorticotrophic hormone and dibutyl adenosine cyclic monophosphate-mediated Ca²⁺ uptake by rat adrenal glands. Leier DJ, et al. *Biochim Biophys Acta* 329:196-210, 5 Dec 73
- The influence of extracellular calcium ion on hormone-activated lipolysis. Schimmel RJ. *Biochim Biophys Acta* 326:272-8, 29 Nov 73
- Species specificity of the inhibition of adenylate cyclase activation by products of ACTH-stimulated fat cells. Lis M, et al. *Comp Biochem Physiol [B]* 46:661-6, Dec 73
- The effect of ACTH and cortisone on gastric acid mucosubstances in rats. Kozłowska K. *Digestion* 9:241-7, Oct 73
- Suppressive effect of dexamethasone on morphine-induced adrenocortical steroidogenesis in rat. Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73
- Effect of ACTH on the phosphorylation of proteins in subcellular fractions of rat adrenal glands. Murakami N, et al. *Endocrinol Jap* 20:421-3, Aug 73
- Effect of synthetic corticotropins on human growth

hormone secretion. Takahara J, et al. *Endocrinol Jap* 20:411-5, Aug 73

Serum and tissue dopamine-beta-hydroxylase activity in hypophysectomized rats. Freedman LS, et al. *Eur J Pharmacol* 24:368-74, Dec 73

The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adrenocortical hormones. Parvez H, et al. *Experientia* 29:1259-62, 15 Oct 73

Prolonged elevation of plasma cortisol levels in dogs treated with an 18 amino acid synthetic corticotrophin. Steinmetz BG, et al. *Experientia* 29:1367-8, 15 Nov 73

Hypothalamo-hypophyseal neurosecretion. II. Hypophysectomy, ACTH and metopirone treatment in *Bufo anderssoni*. Dixit VP. *Folia Biol (Krakow)* 21:319-27, 1973

Sodium-retaining bioassay of prolactin in the intact teleost *Tilapia mossambica* acclimated to sea water. Clarke WC. *Gen Comp Endocrinol* 21:498-512, Dec 73

Elevation of plasma glucose levels by mammalian ACTH in the spiny dogfish shark (*Squalus acanthias*). DeRoos R, et al. *Gen Comp Endocrinol* 21:403-9, Dec 73

Effects of ACTH on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:431-40, Dec 73

Pituitary regulation of serum calcium levels in the killifish, *Fundulus heteroclitus* L. Pang PK, et al. *Gen Comp Endocrinol* 21:536-42, Dec 73

The solid-phase synthesis of human and monkey beta-melanotropins. Wang KT, et al. *Int J Pept Protein Res* 5:33-6, 1973

The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. *J Biol Chem* 249:227-33, 10 Jan 74

Regulation of steroidogenesis by adrenocorticotrophic hormone in isolated adrenal cells of rats. Sharma RK. *J Biol Chem* 248:5473-6, 10 Aug 73

Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74

Circadian periodicity of pituitary-adrenal function after p-chlorophenylalanine administration in the rat. Delft AM van, et al. *J Endocrinol* 59:465-74, Dec 73

Proceedings: A comparison of the effects of alpha 1-24 adrenocorticotrophin Zn (Tetracosactrin depot) and of substituted alpha 1-18 adrenocorticotrophin on adrenocortical function in normal subjects. Irvine WJ, et al. *J Endocrinol* 59:xxix-xxx, Nov 73

Proceedings: Effect of protein hormones on the biosynthesis of dehydroepiandrosterone sulphate by human foetal adrenal tissue in vitro. Isherwood DM, et al. *J Endocrinol* 59:xxxiv-xxxv, Nov 73

In vitro effects of prolactin and cortisol on water permeability of the urinary bladder of the teleost *Gillichthys mirabilis*. Doneen BA, et al. *J Exp Zool* 187:173-9, Jan 74

Adrenocorticotrophin. 45. Synthesis and steroidogenic activity of (1-alanine)adrenocorticotrophin-(1-20)-amide, (1-D-alanine)adrenocorticotrophin-(1-20)-amide, and (1-14C)alanine)adrenocorticotrophin-(1-20)-amide. Blake J, et al. *J Med Chem* 17:233-5, Feb 74

Letter: Effect of various steroids and ACTH on methypyrion plasma levels and sleeping time in rats. Kourounakis P, et al. *J Pharm Pharmacol* 25:670-2, Aug 73

Effect of various steroids and ACTH on distribution of zoxazolamine in rats. Kourounakis P, et al. *J Pharm Sci* 62:1946-9, Dec 73

Ionic dependence of adrenal steroidogenesis and ACTH-induced changes in the membrane potential of adrenocortical cells. Matthews EK, et al. *J Physiol (Lond)* 234:43-64, Oct 73

Effect of serotonin, glucagon and other hormones on amylase secretion from rabbit parotid gland. Kojima S, et al. *Jap J Pharmacol* 23:588-91, Aug 73

Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al. *Physiol Behav* 11:787-90, Dec 73

Adrenocortical influences upon the extinction of an appetitive runway response. Hennessy JW, et al. *Physiol Behav* 11:767-70, Dec 73

Some physiological responses of turkeys selected for high and low adrenal response to cold stress. Brown KI, et al. *Poult Sci* 52:1948-54, Sep 73

The cardiotoxic effects of pressurized aerosol isoproterenol in the dog. Balazs T, et al. *Toxicol Appl Pharmacol* 26:407-17, Nov 73

Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)

[The activating role of ACTH in the mechanism of equilibration of functions of the body] Simionescu S. *Rev Roum Physiol* 10:467-9, 1973 (Fre)

[Effect of protein malnutrition and of kennel-keeping conditions on the function of the adrenal cortex in broilers] Welas J. *Z Tierphysiol* 32:42-51, Sep 73 (Ger)

[Short feedback action of ACTH] Takebe K. *Clin Endocrinol (Tokyo)* 21:951-4, Sep 73 (Jap)

[Pathogenesis of severe forms of alopecia areata] Vinokurov IN. *Sov Med* 35:127-31, Oct 72 (Eng. Abstr.) (Rus)

[Corticosteroid regulation of hematopoiesis in fishes] Gil'dieva BS, et al. *Zh Evol Biokhim Fiziol* 9:144-9, Mar-Apr 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

A study on the role of pituitary ACTH in the aldosterone production of sodium depleted rats. Debreceni L, et al. *Endokrinologie* 61:293-6, May 73

Adrenocortical cell deletion: the role of ACTH. Wyllie AH, et al. *J Pathol* 111:85-94, Oct 73

The composition of maternal plasma and foetal urine after feeding and drinking in chronically catheterized ewes during the last two months of pregnancy. Mellor DJ, et al. *J Physiol (Lond)* 234:519-31, Nov 73

Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)

[Chemistry of hypothalamic hypophysiotropic hormones] Kasaffrek E. *Cesk Farm* 22:364-74, 1973 (Cze)

[Thyroid pathology of hypothalamic origin] Muñoz M, et al. *Rev Iber Endocrinol* 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

SECRETION

Influence of deafferentation of the medial basal hypothalamus on the sensitivity of the brain to hyperbaric oxygen. Harel D, et al. *Aerosp Med* 44:1223-6, Nov 73

Metastasis in a transplantable mammatrophic pituitary tumor. Nickerson PA, et al. *Cancer Res* 33:3135-8, Dec 73

Ectopic adrenocorticotrophin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73

[On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al. *J Physiol (Paris)* 66:199-209, 1973 (Eng. Abstr.) (Fre)

[Ultrastructure of adenohipophyseal cells secreting ACTH in rats] Erkoçak A. *Z Mikrosk Anat Forsch* 87:229-41, 1973 (Eng. Abstr.) (Fre)

[Adrenocortical insufficiency as a result of isolated corticotrophin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al. *Dtsch Med Wochenschr* 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)

[Circadian aspects of the ACTH-secretory system in essential arterial hypertension] Ferrari E, et al. *Folia Endocrinol (Roma)* 26:412-21, Oct 73 (Ita)

[Clinical evaluation of trimcinolone effect on inhibiting the corticotrophic activity of the hypophysis] Pawlikowski T, et al. *Endokrynol Pol* 24:329-32, Jul-Aug 73 (Eng. Abstr.) (Pol)

[Thyroid pathology of hypothalamic origin] Muñoz M, et al. *Rev Iber Endocrinol* 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

THERAPEUTIC USE

The effect of clonazepam (Ro 5-4023) in the syndrome of infantile spasms with hypsarrhythmia and in petit mal variant of Lennox syndrome. Preliminary report. Dumermuth G, et al. *Acta Neurol Scand [Suppl]* 26-8, 1973

Behçet's disease with recurrent facial paralysis. Aggarwal JL. *Br J Ophthalmol* 57:704-5, Sep 73

The evolution of EEG features in infantile spasms: a prospective study. Watanabe K, et al. *Dev Med Child Neurol* 15:584-96, Oct 73

- Prednisolone for Idiopathic (Bell's) facial palsy.
Drug Ther Bull 11:69-70, 31 Aug 73
- Effects of synthetic ACTH on corticosteroid-induced growth suppression. Wright WC, et al.
J Allergy Clin Immunol 53:52-63, Jan 74
- Letter: P.H.A. response and steroid therapy. Braeman J et al. *Lancet* 1:28, 5 Jan 74
- [Diagnosis and therapy of threatened pregnancies by means of synthetic ACTH (author's transl)] Kilmek R. *Cesk Gynekol* 38:647-9, Nov 73 (Cze)
- [Multiple sclerosis] Palo J.
Duodecim 89:1479-96, Aug 73 (95 ref.) (Fin)
- [Synthetic ACTH therapy] Uchiyama T, et al.
Clin Endocrinol (Tokyo) 21:737-41, Jul 73 (Jap)
- [ACTH treatment in Guillain-Barré syndrome] Takahashi M, et al.
Clin Neurol (Tokyo) 13:543-50, Sep 73 (Eng. Abstr.) (Jap)
- [Blood serum immunoglobulins in multiple sclerosis] Domzal T, et al. (Pol)

FSH

- A general method of tritium labeling utilizing microwave discharge activation of tritium gas. Methodology and application to biological compounds. Hemmree WC, et al. *J Biol Chem* 248:5532-40, 10 Aug 73
- [Cross reaction components in anti-HFSH serum and HLH antihody] Sato N.
Clin Endocrinol (Tokyo) 21:1029-33, Oct 73 (Jap)

ADMINISTRATION & DOSAGE

- Treatment of ovarian insufficiency by gonadotrophins. Crooke AC, et al.
Endocrinol Exp (Bratisl) 7:275-82, 1973
- A systematic analysis of the hCG augmentation assay for follicle stimulating hormone. Jacobs MM, et al.
Proc Soc Exp Biol Med 144:106-9, 1 Oct 73

ADVERSE EFFECTS

- Amenorrhea following use of combined oral contraceptives. Furuhjelm M, et al.
Acta Obstet Gynecol Scand 52:373-9, 1973

ANALYSIS

- Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. *Endocrinol Jap* 20:335-44, Jun 73
- Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
Experientia 29:1398-9, 15 Nov 73
- Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol benzoate. Mallampati RS, et al. *J Endocrinol* 59:209-16, Nov 73
- Proceedings: An in-vitro method for the assay of luteinizing hormone releasing factor. Pickering BT. *J Endocrinol* 59:xi-xii, Nov 73
- Immunoradiometric and two-site assay of human follicle-stimulating hormone. Readhead C, et al.
J Endocrinol 59:313-23, Nov 73
- The hypothalamic-pituitary-testicular function of the old rat. Peng MT, et al.
J Formosan Med Assoc 72:495-502, Sep 73
- Pituitary luteinizing hormone and follicle stimulating hormone concentrations and stalk-median eminence luteinizing hormone-releasing factor and follicle stimulating hormone-releasing factor levels of old female rats. Pl WP, et al.
J Formosan Med Assoc 72:485-94, Sep 73
- Effect of oral cyproterone acetate on urinary and serum FSH and LH levels in adult males being treated for hypersexuality. Brotherton J.
J Reprod Fertil 36:177-87, Jan 74
- Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Kalra SP, et al.
Neuroendocrinology 12:321-33, 1973
- A systematic analysis of the hCG augmentation assay for follicle stimulating hormone. Jacobs MM, et al.
Proc Soc Exp Biol Med 144:106-9, 1 Oct 73
- Effect of testosterone propionate on fine structure and gonadotrophin content of the female rat and hamster

- anterior pituitary. Dekker A, et al.
Z Zellforsch Mikrosk Anat 143:291-300, 18 Oct 73

BLOOD

- Feedback control of FSH in the male: role of oestrogen. Walsh PC, et al.
Acta Endocrinol (Kbh) 74:449-60, Nov 73
- Serum levels of FSH and LH following normal parturition. Said SA, et al.
Acta Obstet Gynecol Scand 52:361-5, 1973
- Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome. Aono T, et al.
Am J Obstet Gynecol 117:1046-52, 15 Dec 73
- Circulating prolactin levels during the menstrual cycle: episodic release and diurnal variation. Ehara Y, et al.
Am J Obstet Gynecol 117:962-70, 1 Dec 73
- Familial hyperthecosis: comparison of endocrinologic
Am J Obstet Gynecol 117:976-82, 1 Dec 73
- Quantitative aspects of follicular development in the untreated and PMS-treated cyclic hamster.
Greenwald GS. Anat Rec 178:139-43, Jan 74
- Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.
Biochem Biophys Res Commun 55:623-9, 10 Dec 73
- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- Letter: Intranasal administration of synthetic gonadotrophin-releasing hormone. Jeppsson S, et al.
Br Med J 4:231, 27 Oct 73
- Effects of synthetic oral oestrogens in normal men and patients with prostatic carcinoma: lack of gonadotrophin suppression by chlorotrianisene. Baker HW, et al.
Clin Endocrinol (Oxf) 2:297-306, Oct 73
- Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders. Lee PA.
Clin Endocrinol (Oxf) 2:255-64, Jul 73
- Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. *Endocrinol Jap* 20:335-44, Jun 73
- Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74
- Plasma luteinizing hormone, follicle-stimulating hormone and prolactin during pregnancy in the mouse. Murr SM, et al. *Endocrinology* 91:112-6, Jan 74
- The relationship between progestins and gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Resko JA, et al.
Endocrinology 91:128-35, Jan 74
- Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
Experientia 29:1398-9, 15 Nov 73
- Metabolism of testosterone and dihydrotestosterone in the hirsute female. Concolino G, et al.
Folia Endocrinol (Roma) 26:293-307, Aug 73
- Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al.
J Clin Endocrinol Metab 38:58-63, Jan 74
- Radioimmunoassay of estradiol-17beta without chromatography. England BG, et al.
J Clin Endocrinol Metab 38:42-50, Jan 74
- A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al.
J Clin Endocrinol Metab 38:126-33, Jan 74
- Measurement of plasma LH, FSH, estradiol and progesterone in disorders of the human menstrual cycle: the short luteal phase. Sherman BM, et al.
J Clin Endocrinol Metab 38:89-93, Jan 74
- Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksí SN.
J Endocrinol 59:655-6, Dec 73
- Proceedings: Effects of luteinizing hormone releasing hormone given intranasally. London DR, et al.
J Endocrinol 59:13-4, Nov 73
- Plasma oestradiol-17beta and its relationship to serum follicle-stimulating hormone in immature female rats. Meijls-Roelofs HM, et al.
J Endocrinol 59:295-304, Nov 73
- Effect of neonatal administration of prolactin on

pituitary secretion of prolactin and gonadotrophins in adult female rats. Nagasawa H, et al.
J Endocrinol 59:377-8, Nov 73

Immunoradiometric and two-site assay of human follicle-stimulating hormone. Readhead C, et al.
J Endocrinol 59:313-23, Nov 73

Medroxyprogesterone acetate in the treatment of seizures associated with menstruation. Zimmerman AW, et al. *J Pediatr* 83:959-63, Dec 73

Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al.
J Pediatr Surg 5:949-50, Dec 73

Proceedings: Concentrations of plasma LH and FSH in cycling ewes following a single injection of 17beta-oestradiol. Pant HC.
J Physiol (Lond) 234:115P-116P, Oct 73

Serum levels of luteinizing hormone (LH) and follicle-stimulating hormone (FSH) in subjects accidentally exposed to 192Ir gamma rays.
 Wakabayashi K, et al.
J Radiat Res (Tokyo) 14:297-303, Sep 73

Proceedings: Plasma levels of LH, FSH and prolactin in women during and after insertion of an intrauterine device. Fortuny A, et al.
J Reprod Fertil 35:628-9, Dec 73

Increased LH-suppressing effect of oestrogen in ovariectomized rats as a result of underfeeding.
 Howland BE, et al. *J Reprod Fertil* 35:545-8, Dec 73

Proceedings: The effect of active immunization against oestradiol-17beta on plasma gonadotrophin concentrations in sheep. Pant HC, et al.
J Reprod Fertil 35:610-1, Dec 73

Sexual maturation in juvenile hypothyroidism. Barnes ND, et al. *Mayo Clin Proc* 48:849-56, Dec 73

Isolated gonadotrophin deficiency. A heterogeneous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74

Asynchronous changes in circulating LH and FSH after the gonadotrophin releasing hormone. Mortimer CH, et al. *Nature [New Biol]* 246:22-3, 7 Nov 73

Effect of acute administration of L-dopa on serum concentrations of follicle-stimulating hormone (FSH) and luteinizing hormone (LH) in patients with the amenorrhea-galactorrhea syndrome. Zárate A, et al.
Neuroendocrinology 12:362-5, 1973

Follicle stimulating hormone (FSH) and luteinizing hormone-human chorionic gonadotropin (LH-HCG) concentrations in paired maternal and cord sera.
 Penny R, et al. *Pediatrics* 53:41-7, Jan 74

Arterial-venous differences in gonadotrophin concentration across the ovary of sheep during different reproductive states. Cilemanec JL, et al.
Proc Soc Exp Biol Med 144:99-105, 1 Oct 73

Gonadotrophins in the infant chimpanzee: a sex difference. Falman C, et al.
Proc Soc Exp Biol Med 144:952-5, Dec 73

In vivo and in vitro effects of synthetic luteinizing hormone-releasing hormone (LH-RH) upon the secretion of luteinizing hormone (LH) and follicle stimulating hormone (FSH) in intact and castrated, fed and starved adult male rats. Root AW, et al.
Proc Soc Exp Biol Med 144:30-3, 1 Oct 73

Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordane treatment. Wedig JH, et al.
Proc Soc Exp Biol Med 144:796-801, Dec 73

Plasma profile of pituitary gonadotrophins and ovarian steroids in the normal menstrual cycle. Pérez-Palacios G, et al. *Rev Invest Clin* 25:305-13, Oct-Dec 73

[Possibilities of the differential diagnosis of infertility with the LH-(ICSH)-and FSH-radiolimmunoassay. Experimental studies (author's transl)] Altwelt JE, et al. *Andrologie* 4:343-50, 1972 (Eng. Abstr.) (Ger)

[The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al.
Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)

[LH-RH test in diencephalon-pituitary diseases] Hashimoto T, et al.
Clin Endocrinol (Tokyo) 21:925-33, Sep 73 (Jap)

[LH-RH therapy in menstruation and ovulation disorders] Iizuka R, et al.
Clin Endocrinol (Tokyo) 21:935-43, Sep 73 (Jap)

[LH-RH test in urologic diseases: significance of LH-RH test in the field of urology] Isurugi K.
Clin Endocrinol (Tokyo) 21:921-4, Sep 73 (Jap)

[LH-RH tolerance test in women with normal menstrual cycle and those with ovulatory disorder]

Kurachi K, et al.
Clin Endocrinol (Tokyo) 21:913-9, Sep 73 (Jap)

[Synthetic LH-RH tolerance test for children] Nimi H, et al. *Clin Endocrinol (Tokyo)* 21:969-73, Sep 73 (Jap)

[Determination of blood LH and FSH with radiolimmunoassay kit and its clinical evaluation examination] Yoshimoto S, et al.
Clin Endocrinol (Tokyo) 21:753-9, Jul 73 (Jap)

[Determination of some hormones in women with simple glaucoma during menopause] Gierkova A.
Klin Oczna 43:1343-8, Dec 73 (Pol)

[Prolactin (PRL) secretion during the normal menstrual cycle] Zárate A, et al.
Rev Invest Clin 25:315-20, Oct-Dec 73 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

A note on the purification of follicle-stimulating and luteinizing hormones from baboon pituitaries.
 Shownkeen RC, et al. *J Endocrinol* 59:659-60, Dec 73

METABOLISM

FSH content of the anterior pituitary and the incorporation of L-lysine-U-14C into testicular proteins of heat-acclimatized rats. Sod-Moriah UA, et al. *Comp Biochem Physiol [A]* 47:333-9, Jan 74

Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. *J Biol Chem* 249:43-51, 10 Jan 74

Binding of radiolabeled human placental lactogen to buffalo corpus luteum in vitro. Moodhidri SB, et al.
J Reprod Fertil 35:453-60, Dec 73

Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73

Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al.
Obstet Gynecol 43:87-96, Jan 74

PHARMACODYNAMICS

A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al.
Acta Endocrinol (Kbh) 74:642-58, Dec 73

Stimulation of ovulation with F-6066 cyclofenil: his-(p-acetoxypheyl)-cyclohexylidenemethane.
 Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973

The effect of gonadotrophins on the mitochondrial adenylate cyclase of rat testis. Sulimovici S, et al.
Biochem Biophys Res Commun 55:873-9, 10 Dec 73

Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats.
 Inselman-Temkin BR, et al.
Brain Res 60:393-410, 12 Oct 73

FSH content of the anterior pituitary and the incorporation of L-lysine-U-14C into testicular proteins of heat-acclimatized rats. Sod-Moriah UA, et al. *Comp Biochem Physiol [A]* 47:333-9, Jan 74

Treatment of ovarian insufficiency by gonadotrophins.
 Crooke AC, et al.
Endocrinol Exp (Bratisl) 7:275-82, 1973

Corpora lutea and oviposition in the lizard *Sceloporus undulatus*. Roth JJ, et al.
Gen Comp Endocrinol 21:569-72, Dec 73

Some effects of exogenous gonadotrophins and prolactin on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al.
Gen Comp Endocrinol 21:424-30, Dec 73

Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats.
 Fontaine YA, et al. *Horm Metab Res* 5:376-80, Sep 73

FSH stimulation of testicular androgen binding protein. Hansson V, et al.
Nature [New Biol] 246:56-8, 14 Nov 73

Induction of ovulation rats treated neonatally with androgen. Ying SY.
Proc Soc Exp Biol Med 144:822-5, Dec 73

PHYSIOLOGY

Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats.
 Inselman-Temkin BR, et al.
Brain Res 60:393-410, 12 Oct 73

Endocrinology of puberty. I. Normal sexual maturation.
 Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)

FSH stimulation of testicular androgen binding

- protein. Hansson V, et al.
Nature [New Biol] 246:56-8, 14 Nov 73
 [Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.)
 (Eng. Abstr.) (Ger)
 [Importance of gonadotropic hormones in stimulating
 ovarian function (a review of the literature)]
 Savchenko ON.
Akush Ginekoi (Mosk) 49:26-33, Aug 73 (Rus)

SECRETION

- Effect of consecutive administration with synthetic
 LH-RH-FSH-RH on LH and FSH release, and on
 urinary steroids excretion. Seki M, et al.
Acta Obstet Gynaecol Jap 19:179-84, Jul 72
 Suppression of gonadotropin secretion and prevention
 of ovulation in the rat by antiserum to synthetic
 gonadotropin-releasing hormone. Koch Y, et al.
Biochem Biophys Res Commun 55:623-9, 10 Dec 73
 Gonadotropin release in prepubertal female mice
 following male exposure: a comparison with the adult
 cycle. Bronson FH, et al. *Biol Reprod* 9:449-59, Dec 73
 Serum luteinizing hormone and follicle stimulating
 hormone in normal children and patients with various
 clinical disorders. Lee PA.
Clin Endocrinol (Oxf) 2:255-64, Jul 73
 The effect of thyrotrophin-releasing hormone on
 plasma prolactin and thyrotrophin levels in primary
 hypothyroidism. Toft AD, et al.
Clin Endocrinol (Oxf) 2:289-95, Jul 73
 Effects of limbic forebrain ablation on pituitary
 gonadal function in the female rat. Terasawa E, et al.
Endocrinol Jap 20:277-90, Jun 73
 Sexual maturation in the female rhesus monkey and the
 development of estrogen-induced gonadotropic
 hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74
 Effect of hypothalamic releasing factors and steroids
 on release of gonadotrophins by organ cultures of
 human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
 Proceedings: Asynchronous pulsatile luteinizing
 hormone and follicle-stimulating hormone responses
 during luteinizing hormone-follicle-stimulating
 hormone releasing hormone and thyroid-stimulating
 hormone releasing hormone infusions. Mortimer CH,
 et al. *J Endocrinol* 59:12-3, Nov 73
 Pituitary secretion of prolactin, luteinizing hormone
 and follicle-stimulating hormone in adult female rats
 treated neonatally with oestrogen. Nagasawa H, et al.
J Endocrinol 59:599-604, Dec 73
 Synthetic luteinizing hormone releasing factor. Short
 chain analogs. Rivier J, et al.
J Med Chem 17:230-3, Feb 74
 Proceedings: Studies on synthetic LH-FSH-releasing
 hormone. Newton J, et al.
J Reprod Fertil 35:622-3, Dec 73
 Isolated gonadotropin deficiency. A heterogenous
 syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74
 Changes in gonadotropin-releasing factor content in
 the rat hypothalamus following electrochemical
 stimulation of anterior hypothalamic area and during
 the estrous cycle. Kalra SP, et al.
Neuroendocrinology 12:321-33, 1973
 In vivo and in vitro effects of synthetic luteinizing
 hormone-releasing hormone (LH-RH) upon the
 secretion of luteinizing hormone (LH) and follicle
 stimulating hormone (FSH) in intact and castrated,
 fed and starved adult male rats. Root AW, et al.
Proc Soc Exp Biol Med 144:30-3, 1 Oct 73
 [Letter: Pituitary gonadotropin inhibition test. New
 data in the detection and the biological surveillance of
 trophoblastic tumors in both sexes] Hinglais H, et al.
Acad Rev 2:2601, 3 Nov 73 (Fre)
 [Treatment of anovulatory sterility. VI. Results with
 the use of gonadotropic hypothalamic hormone]
 Zárate A, et al.
Ginekoi Obstet Mex 34:475-87, Nov 73 (Eng. Abstr.)
 (Spa)

THERAPEUTIC USE

- Amenorrhea following use of combined oral
 contraceptives. Furuheim M, et al.
Acta Obstet Gynecol Scand 52:373-9, 1973
 Treatment of ovarian insufficiency by gonadotrophins.
 Crooke AC, et al.
Endocrinol Exp (Bratisl) 7:275-82, 1973

URINE

- Urinary gonadotrophins following castration of men.
 Christiansen P.
Acta Endocrinol (Kbh) 74:79-87, Sep 73
 Urinary follicle stimulating hormone and luteinizing
 hormone in six males with the XYY syndrome.
 Christiansen P, et al.
Acta Endocrinol (Kbh) 74:625-30, Dec 73
 Immunochemical assay of follicle-stimulating and
 luteinizing hormone in the unconcentrated urine of
 sub- or infertile males. Mauss J, et al.
Acta Endocrinol (Kbh) 74:631-41, Dec 73
 Prolactin secretion in sixty-five patients with
 galactorrhea. Tolls G, et al.
Am J Obstet Gynecol 118:91-101, 1 Jan 74
 Male infertility caused by abnormal androgen
 production in the adrenal cortex. Koumans J.
Andrologie 4:379-84, 1972
 Medroxyprogesterone acetate in the treatment of
 seizures associated with menstruation. Zimmerman
 AW, et al. *J Pediatr* 83:959-63, Dec 73
 [Gonadotropin secretion and gonadotropin reserve in
 hypogonadotropic hypogonadism (brief literature
 survey and case report (author's transl)] Börsch G, et
 al. *Andrologie* 5:207-13, 1973 (Eng. Abstr.) (Ger)
 [Data on the hematic conversion of testosterone into
 dihydrotestosterone in subjects with hypogonadism]
 Concollino G, et al.
Folia Endocrinol (Roma) 26:268-80, Aug 73 (Eng.
 Abstr.) (Ita)
 [Urinary excretion of gonadotrophins (FSH, LH) and
 gonadotropin inhibitor in maturing girls] Soszka S, et
 al.
Endokrynol Pol 24:385-93, Sep-Oct 73 (Eng. Abstr.)
 (Pol)
 [The Chiari-Frommel syndrome] Skaiba H, et al.
Ginekoi Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.)
 (Pol)

GONADOTROPINS

ADMINISTRATION & DOSAGE

- [Comparative studies on the induction of ovulation by
 Follistiman and Pergonal] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.)
 (Ger)

ADVERSE EFFECTS

- Does gonadotropin-induced ovulation in mice cause
 malformations in the offspring? Eibling L.
Nature 246:37-9, 2 Nov 73

ANTAGONISTS & INHIBITORS

- Localization of a sheep pineal antigonadotropin. Ebels
 I, et al. *Anal Biochem* 56:546-65, Dec 73
 [Urinary excretion of gonadotrophins (FSH, LH) and
 gonadotropin inhibitor in maturing girls] Soszka S, et
 al.
Endokrynol Pol 24:385-93, Sep-Oct 73 (Eng. Abstr.)
 (Pol)

BIOSYNTHESIS

- [Gonadotropin producing malignant teratoma of the
 mediastinum] Ogura T, et al.
Jap J Clin Med 31:2846-52, Sep 73 (Jap)

BLOOD

- Pituitary and plasma gonadotropin levels and
 spermatogenesis in the goldfish *Carassius auratus*
 after methallibure treatment. Breton B, et al.
J Endocrinol 59:415-20, Dec 73

METABOLISM

- Androgen-induced sexual differentiation of the brain is
 blocked by inhibitors of DNA and RNA synthesis.
 Salaman DF, et al. *Nature* 247:109-12, 11 Jan 74
 [Diagnostic significance of androgens separated by
 means of thin-layer chromatography] Baranowska B.
Pol Tyg Lek 28:1327-8, 20 Aug 73 (17 ref.) (Pol)

PHARMACODYNAMICS

- Effects of salmon gonadotropin on ovulation in the ayu,

Plecoglossus altivelis, with special reference to water balance. Hirose K, et al.
Comp Biochem Physiol [A] 47:283-9, Jan 74
 Proceedings: Androstenedione: a secretory product of the Graafian follicle. Baird DT, et al.
J Endocrinol 59:xxxvi, Nov 73
 Development of the penetration activity of mouse epididymal spermatozoa in vivo and in vitro. Pavlok A.
J Reprod Fertil 36:203-5, Jan 74
 Does gonadotrophin-induced ovulation in mice cause malformations in the offspring? Elbling L.
Nature 246:37-9, 2 Nov 73
 Observations on the synchronization of oestrus in Sarda sheep. Bonadonna T, et al.
Zentralbl Veterinärmed [A] 20:395-400, Jul 73

PHYSIOLOGY

Yolk protein synthesis in the ovary of *Octopus vulgaris* and its control by the optic gland gonadotrophin. O'Dor RK, et al. **J Exp Biol** 59:665-74, Dec 73

SECRETION

Proceedings: Gonadotrophin secretion in lactating women: response to luteinizing hormone releasing hormone-follicle-stimulating hormone releasing hormone in the puerperium. Jequier AM, et al.
J Endocrinol 59:xiv, Nov 73
 Effect of neonatal administration of prolactin on pituitary secretion of prolactin and gonadotrophins in adult female rats. Nagasawa H, et al.
J Endocrinol 59:377-8, Nov 73
 Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Labhsetwar AP, et al.
Nature [New Biol] 246:55-6, 14 Nov 73

THERAPEUTIC USE

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
Am J Obstet Gynecol 117:955-61, 1 Dec 73
 The development and usage of clomiphene. Bowdler IM. **Bristol Med Chir J** 87:53-6, Oct 72 (13 ref.)
 [The efficacy of various treatments in oligospermia (author's transl)] Somazzi S, et al.
Dermatologica 147:37-44, 1973 (Eng. Abstr.) (Ger)
 [The Chiari-Frommel syndrome] Skalba H, et al.
Ginekol Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)
 [Ovulation induced by human gonadotropins] Dokumov S.
Akush Ginekol (Mosk) 49:47-50, Aug 73 (Eng. Abstr.) (Rus)
 [Gonadotropin and progesterone for stimulating the sexual function in cows] Cheremisinov GA.
Veterinariia 3:80-2, Feb 73 (Rus)

URINE

Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Scheike O, et al.
Acta Pathol Microbiol Scand [A] 81:352-8, May 73
 Male infertility caused by abnormal androgen production in the adrenal cortex. Koumans J.
Andrologie 4:379-84, 1972
 [Correlation of the progesterone test with total gonadotropic activity in urine and vaginal cytology (author's transl)] Kólblová V, et al.
Cesk Gynecol 38:623-4, Sep 73 (Cze)
 [Clomiphene test in amenorrhea of mental anorexia (apropos of 26 cases)] Decourt J.
Ann Med Interne (Paris) 124:641-5, Aug-Sep 73 (Fre)
 [Silver-Russel syndrome in a 5 one half-year-old boy] Kalser E, et al. **Orv Hetil** 114:2908-10, 2 Dec 73 (Hun)

GONADOTROPINS, PITUITARY

Proceedings: The effects of synthetic gonadotrophin-releasing factor on ovarian function in anoestrous ewes. Haresign W, et al.
J Reprod Fertil 35:600-1, Dec 73

ADMINISTRATION & DOSAGE

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
Am J Obstet Gynecol 117:955-61, 1 Dec 73

ANALYSIS

Some effects of exogenous gonadotropins and prolactin on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al.
Gen Comp Endocrinol 21:424-30, Dec 73
 Pituitary and plasma gonadotrophin levels and spermatogenesis in the goldfish *Carassius auratus* after methallibure treatment. Breton B, et al.
J Endocrinol 59:415-20, Dec 73
 [Localisation by immunofluorescence of secretions related to thyrotrophins, gonadotrophins and corticotrophins in axolotl pituitary (*Ambystoma mexicanum*, Shaw (author's transl)]
 Hauser-Gunsbourg N, et al.
Z Zellforsch Mikrosk Anat 142:539-48, 1973 (Eng. Abstr.) (Fre)
 [Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.
Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)
 [Method of enzyme labelling in immunobistochemistry] Gordienko VM, et al.
Arkh Patol 35:69-74, 1973 (94 ref.) (Eng. Abstr.) (Rus)

BIOSYNTHESIS

[Influence of the carbamic pesticides, zineb and thiram, on the estrus cycle and reproductive capacity of white rats] Ghizelea G, et al.
Stud Cercet Endocrinol 24:491-501, 1973 (Rum)
 [Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.
Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)

BLOOD

Thyrotrophin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. **Arch Intern Med** 132:836-9, Dec 73
 Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
Experientia 29:1398-9, 15 Nov 73
 Effect of oral cyproterone acetate on urinary and serum FSH and LH levels in adult males being treated for hypersexuality. Brotherton J.
J Reprod Fertil 36:177-87, Jan 74
 Arterial-venous differences in gonadotropin concentration across the ovary of sheep during different reproductive states. Cicmanec JL, et al.
Proc Soc Exp Biol Med 144:99-105, 1 Oct 73
 [The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al.
Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

[The author's method of functional loading with pituitary gonadotropins as a diagnostic method in gynecologic endocrinology] Markovski N.
Akush Ginekol (Sofia) 12:316-21, 1973 (Eng. Abstr.) (Bul)

METABOLISM

[Isolated deficiency of anterior pituitary hormone] Kumahara Y, et al.
Jap J Clin Med 31:2512-7, 10 Aug 73 (Jap)

PHARMACODYNAMICS

A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al.
Acta Endocrinol (Kbh) 74:642-58, Dec 73
 Reaction of C57 and CBA inbred strains of mice to gonadotropins. Marchlewska-Koj A, et al.
Folia Biol (Krakow) 21:243-50, 1973
 Some effects of exogenous gonadotropins and prolactin on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al.
Gen Comp Endocrinol 21:424-30, Dec 73
 Observations on the synchronization of oestrus in Sarda sheep. Bonadonna T, et al.
Zentralbl Veterinärmed [A] 20:395-400, Jul 73
 [Testosterone secretion in men from childless marriages] Bönlisch S, et al.

- Zentralbl Gynaekol 95:1025-39, 27 Jul 73 (Eng. Abstr.) (Ger)
 [Comparative studies on the induction of ovulation by Folistiman and Pergonal] Groot-Wassink K, et al.
 Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)

PHYSIOLOGY

- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats.
 Inselman-Temkin BR, et al.
 Brain Res 60:393-410, 12 Oct 73
 Ultrastructure of the rat ovary transplanted into the spleen. Horvath E, et al. Gynecol Invest 4:73-83, 1973
 Antidiuretic effect of clofibrate in therapy of diabetes insipidus. Gennes JL de, et al.
 Horm Metab Res 5:461-6, Nov 73
 Proceedings: The development of fetal and infant guinea-pig gonadal tissue in adult hosts. Donovan BT, et al. J Reprod Fertil 35:582-3, Dec 73
 Proceedings: Hormonal relations of endometrial cancer. Gusberg SB.
 Proc Natl Cancer Conf 7:213-7, 1973
 [The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H.
 Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)
 [Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.
 Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)

SECRETION

- Dose and time dependence of testosterone-induced precocious puberty in female rats. Marton I, et al.
 Acta Physiol Acad Sci Hung 43:49-53, 1973
 The onset of puberty. Indian J Pediatr 40:200-1, May 73
 [Precocity (author's transl)] Helge H.
 Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)
 [Galactorrhea during oral contraception] Sas M, et al.
 Zentralbl Gynaekol 95:1458-61, 12 Oct 73 (Eng. Abstr.) (Ger)
 [Cerebral amines and sexual function] Kurachi K.
 Clin Endocrinol (Tokyo) 21:1007-18, Oct 73 (Jap)

THERAPEUTIC USE

- Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
 Am J Obstet Gynecol 117:955-61, 1 Dec 73
 [Comparative studies on the induction of ovulation by Folistiman and Pergonal] Groot-Wassink K, et al.
 Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)
 [Medical induction of ovulation. Report of 250 cases] Ruiz Velasco V.
 Ginekol Obstet Mex 34:417-28, Nov 73 (Eng. Abstr.) (Spa)

URINE

- Urinary gonadotrophins following castration of men. Christiansen P.
 Acta Endocrinol (Kbh) 74:79-87, Sep 73
 Effect of oral cyproterone acetate on urinary and serum FSH and LH levels in adult males being treated for hypersexuality. Brotherton J.
 J Reprod Fertil 36:177-87, Jan 74
 Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shiral M, et al.
 Tohoku J Exp Med 110:347-57, Aug 73
 [Pathogenesis of dysfunctional uterine hemorrhages] Dobrotina AF, et al. Sov Med 36:110-4, Apr 73 (Rus)

LH

- A general method of tritium labeling utilizing microwave discharge activation of tritium gas. Methodology and application to biological compounds.
 Hembree WC, et al. J Biol Chem 248:5532-40, 10 Aug 73
 Immunoradiometric and two-site assay of human follicle-stimulating hormone. Readhead C, et al.
 J Endocrinol 59:313-23, Nov 73
 The thymic suppressor cell. I. Separation of subpopulations with suppressor activity. Ha TY, et al.
 J Exp Med 139:13-23, 1 Jan 74
 Maintenance of progesterone secretion by ovine

- prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al.
 Proc Soc Exp Biol Med 144:923-6, Dec 73
 [Cross reaction components in anti-HFSH serum and HLH antibody] Sato N.
 Clin Endocrinol (Tokyo) 21:1029-33, Oct 73 (Jap)

ADVERSE EFFECTS

- Amenorrhea following use of combined oral contraceptives. Furuhejm M, et al.
 Acta Obstet Gynecol Scand 52:373-9, 1973

ANALYSIS

- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al.
 Acta Endocrinol (Kbh) 74:642-58, Dec 73
 Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. Endocrinol Jap 20:335-44, Jun 73
 The primary structure of the porcine luteinizing-hormone alpha-subunit. Maghuln-Rogister G, et al. Eur J Biochem 29:255-63, 1 Nov 73
 Luteinizing hormone. The primary structures of the beta-subunit from bovine and porcine species. Maghuln-Rogister G, et al.
 Eur J Biochem 39:235-53, 1 Nov 73
 Hypertthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
 Experientia 29:1398-9, 15 Nov 73
 Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol benzoate. Mallampati RS, et al. J Endocrinol 59:209-16, Nov 73
 The hypothalamic-pituitary-testicular function of the old rat. Peng MT, et al.
 J Formosan Med Assoc 72:495-502, Sep 73
 Pituitary luteinizing hormone and follicle stimulating hormone concentrations and stalk-median eminence luteinizing hormone-releasing factor and follicle stimulating hormone-releasing factor levels of old female rats. Pl WP, et al.
 J Formosan Med Assoc 72:485-94, Sep 73
 Effect of oral cyproterone acetate on urinary and serum FSH and LH levels in adult males being treated for hypersexuality. Brotherton J.
 J Reprod Fertil 36:177-87, Jan 74
 Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Kalra SP, et al.
 Neuroendocrinology 12:321-33, 1973
 Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al.
 Proc Soc Exp Biol Med 144:1002-5, Dec 73
 Plasma levels of luteinizing hormone and of immunoreactive oestrogens (oestradiol) in anorexia nervosa: response to clomiphene citrate. Beumont PJ, et al. Psychol Med 3:495-501, Nov 73
 Effect of testosterone propionate on fine structure and gonadotrophin content of the female rat and hamster anterior pituitary. Dekker A, et al.
 Z Zellforsch Mikrosk Anat 143:291-300, 18 Oct 73

ANTAGONISTS & INHIBITORS

- Increased LH-suppressing effect of oestrogen in ovariectomized rats as a result of underfeeding. Howland BE, et al. J Reprod Fertil 35:545-8, Dec 73

BIOSYNTHESIS

- The mechanism of the stimulation of LH production by synthetic LH-releasing hormone (LH-RH) in tissue culture. Ishikawa H, et al.
 Biochem Biophys Res Commun 55:492-8, 18 Nov 73

BLOOD

- Feedback control of FSH in the male: role of oestrogen. Walsh PC, et al.
 Acta Endocrinol (Kbh) 74:449-60, Nov 73
 Serum levels of FSH and LH following normal parturition. Said SA, et al.
 Acta Obstet Gynecol Scand 52:361-5, 1973
 Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and

- patients with Sheehan's syndrome. Aono T, et al. *Am J Obstet Gynecol* 117:1046-52, 15 Dec 73
- Circulating prolactin levels during the menstrual cycle: episodic release and diurnal variation. Ehara Y, et al. *Am J Obstet Gynecol* 117:962-70, 1 Dec 73
- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
- Am J Obstet Gynecol* 117:976-82, 1 Dec 73
- Serum chorionic gonadotropin activity after molar pregnancy, therapeutic abortion, and term delivery. Pastoride GB, et al.
- Am J Obstet Gynecol* 118:293-4, 15 Jan 74
- Correlation of endometrial dating with luteinizing hormone peak. Tredway DR, et al.
- Am J Obstet Gynecol* 117:1030-3, 15 Dec 73
- Effect of a synthetic gonadotropin-releasing hormone on plasma concentrations of luteinizing hormone in ponies. Ginther OJ, et al. *Am J Vet Res* 35:79-81, Jan 74
- Luteolysis, luteostasis, and the effect of prostaglandin F₂ alpha in cows after endometrial irritation. Sequin BE, et al. *Am J Vet Res* 35:57-61, Jan 74
- Quantitative aspects of follicular development in the untreated and PMS-treated cyclic hamster. Greenwald GS. *Anat Rec* 178:139-43, Jan 74
- Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.
- Biochem Biophys Res Commun* 55:623-9, 10 Dec 73
- Gonadotropin release in prepubertal female mice following male exposure: a comparison with the adult cycle. Bronson FH, et al. *Biol Reprod* 9:449-59, Dec 73
- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- Letter: Intranasal administration of synthetic gonadotropin-releasing hormone. Jeppsson S, et al. *Br Med J* 4:231, 27 Oct 73
- Effects of synthetic oral oestrogens in normal men and patients with prostatic carcinoma: lack of gonadotropin suppression by chlorotrianisene. Baker HW, et al.
- Clin Endocrinol (Oxf)* 2:297-306, Oct 73
- Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders. Lee PA.
- Clin Endocrinol (Oxf)* 2:255-64, Jul 73
- The detection of LH activity in sheep urine by radioimmunoassay. Itze L, et al.
- Endocrinol Exp (Bratisl)* 7:307-14, 1973
- Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. *Endocrinol Jap* 20:335-44, Jun 73
- Effect of pregnancy on the LH response to synthetic gonadotropin-releasing hormone in the ewe. Chamley WA, et al. *Endocrinology* 91:291-3, Jan 74
- Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al.
- Endocrinology* 91:198-206, Jan 74
- Testosterone secretion by rabbit ovary in vivo. Hilliard J, et al. *Endocrinology* 91:267-71, Jan 74
- Plasma luteinizing hormone, follicle-stimulating hormone and prolactin during pregnancy in the mouse. Murr SM, et al. *Endocrinology* 91:112-6, Jan 74
- The relationship between progestins and gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Resko JA, et al. *Endocrinology* 91:128-35, Jan 74
- Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
- Experientia* 29:1398-9, 15 Nov 73
- Metabolism of testosterone and dihydrotestosterone in the hirsute female. Concolino G, et al.
- Folia Endocrinol (Roma)* 26:293-307, Aug 73
- Induction of ovulation in pigs with gonadotropin releasing hormone. Baker RD, et al.
- J Anim Sci* 37:1376-9, Dec 73
- Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle. Echterkamp SE, et al. *J Anim Sci* 37:1362-70, Dec 73
- Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al. *J Clin Endocrinol Metab* 38:58-63, Jan 74
- The effect of synthetic luteinizing hormone-releasing factor on plasma LH levels in pituitary disease. Coscia AM, et al. *J Clin Endocrinol Metab* 38:83-8, Jan 74
- Radioimmunoassay of estradiol-17beta without chromatography. England BG, et al.
- J Clin Endocrinol Metab* 38:42-50, Jan 74
- A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al.
- J Clin Endocrinol Metab* 38:126-33, Jan 74
- Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. Judd HL, et al.
- J Clin Endocrinol Metab* 38:134-41, Jan 74
- Measurement of plasma LH, FSH, estradiol and progesterone in disorders of the human menstrual cycle: the short luteal phase. Sherman BM, et al.
- J Clin Endocrinol Metab* 38:89-93, Jan 74
- Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksi SN. *J Endocrinol* 59:655-6, Dec 73
- Simultaneous determination of luteinizing hormone and luteinizing hormone releasing hormone in the jugular venous blood of the sheep at oestrus. Crighton DB, et al. *J Endocrinol* 59:373-4, Nov 73
- Proceedings: The effect of synthetic luteinizing hormone releasing factor on plasma levels of luteinizing hormone in the domestic fowl. Cunningham FJ, et al. *J Endocrinol* 59:xiv-xv, Nov 73
- Proceedings: Changes in the plasma concentration of luteinizing hormone during development in the guinea-pig. Donovan BT, et al.
- J Endocrinol* 59:38, Nov 73
- The effect of synthetic hypothalamic releasing factors on plasma levels of luteinizing hormone in the cockerel. Furr BJ, et al.
- J Endocrinol* 59:495-502, Dec 73
- Proceedings: Effect of active immunization against testosterone-3-hovine serum albumin on circulating levels of testosterone, luteinizing hormone, prolactin and anti-testosterone titre in the male rat. Hillier SG, et al. *J Endocrinol* 59:22-3, Nov 73
- Proceedings: Effects of luteinizing hormone releasing hormone given intranasally. London DR, et al.
- J Endocrinol* 59:13-4, Nov 73
- Proceedings: Absent positive feedback of oestrogens: a cause of amenorrhoea in hypothalamic-pituitary disease. Marshall JC, et al.
- J Endocrinol* 59:xxiv, Nov 73
- Proceedings: Prolactin release in the ewe induced by a synthetic tripeptide. Moseley SR, et al.
- J Endocrinol* 59:xiv-xvi, Nov 73
- Effect of neonatal administration of prolactin on pituitary secretion of prolactin and gonadotrophins in adult female rats. Nagasawa H, et al.
- J Endocrinol* 59:377-8, Nov 73
- Proceedings: Concentrations of oestradiol and luteinizing hormone in the peripheral plasma of the domestic fowl during the ovulatory cycle. Senior BE, et al. *J Endocrinol* 59:xiv, Nov 73
- Synthesis and biological properties of (2-L-heta-(pyrazolyl-3)alanine)-luteinizing hormone-releasing hormone. Coy DH, et al.
- J Med Chem* 17:140-2, Jan 74
- Medroxyprogesterone acetate in the treatment of seizures associated with menstruation. Zimmerman AW, et al. *J Pediatr* 83:959-63, Dec 73
- Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al. *J Pediatr Surg* 5:949-50, Dec 73
- Proceedings: Concentrations of plasma LH and FSH in cycling ewes following a single injection of 17beta-oestradiol. Pant HC.
- J Physiol (Lond)* 234:115P-116P, Oct 73
- Serum levels of luteinizing hormone (LH) and follicle-stimulating hormone (FSH) in subjects accidentally exposed to 192Ir gamma rays. Wakabayashi K, et al.
- J Radiat Res (Tokyo)* 14:297-303, Sep 73
- Proceedings: The effect of HCG on follicular activity in the cow. Dobson H. *J Reprod Fertil* 35:605, Dec 73
- Proceedings: The relationship between plasma concentrations of luteinizing hormone and testosterone in man. Elwood M, et al.
- J Reprod Fertil* 35:629-30, Dec 73
- Proceedings: Plasma levels of LH, FSH and prolactin in women during and after insertion of an intrauterine device. Fortuny A, et al.
- J Reprod Fertil* 35:628-9, Dec 73
- Proceedings: Comparison of LH levels in post-partum anoestrous and cycling ewes and the effects of synthetic gonadotropin-releasing factor. Foster JP, et al. *J Reprod Fertil* 35:599-600, Dec 73
- Proceedings: The responses of the ram to synthetic

- luteinizing hormone releasing factor (LH-RH) injection. Galloway DB. *J Reprod Fertil* 35:601, Dec 73
- Regulation of blood levels of LH in bulls: influence of age, breed, sexual stimulation and temporal fluctuations. Gombe S, et al. *J Reprod Fertil* 35:493-503, Dec 73
- Increased LH-suppressing effect of oestrogen in ovariectomized rate as a result of underfeeding. Howland BE, et al. *J Reprod Fertil* 35:545-8, Dec 73
- Proceedings: The effects of progestagens and PMSG on peripheral plasma LH levels in the Clun Forest ewe. Lintin K, et al. *J Reprod Fertil* 35:607-9, Dec 73
- Proceedings: The effect of active immunization against oestradiol-17beta on plasma gonadotrophin concentrations in sheep. Pant HC, et al. *J Reprod Fertil* 35:610-1, Dec 73
- Proceedings: Plasma LH levels in developing cockerels. Sharp PJ. *J Reprod Fertil* 35:609-10, Dec 73
- Oestrogen-induced LH surges in the anoestrous and cyclic ewe. Symons AM, et al. *J Reprod Fertil* 35:569-71, Dec 73
- Variations in plasma LH levels during the ovulatory cycle of the hen, *Gallus domesticus*. Wilson SC, et al. *J Reprod Fertil* 35:561-4, Dec 73
- Sexual maturation in juvenile hypothyroidism. Barnes ND, et al. *Mayo Clin Proc* 48:849-56, Dec 73
- Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al. *N Engl J Med* 290:10-5, 3 Jan 74
- Serum progestins and luteinizing hormone levels in non-suckled primiparous helpers. Tribble RL, et al. *Nature* 246:494-5, 21 Dec 73
- Asynchronous changes in circulating LH and FSH after the gonadotropin releasing hormone. Mortimer CH, et al. *Nature [New Biol]* 246:22-3, 7 Nov 73
- Effect of acute administration of L-dopa on serum concentrations of follicle-stimulating hormone (FSH) and luteinizing hormone (LH) in patients with the amenorrhea-galactorrhea syndrome. Zárate A, et al. *Neuroendocrinology* 12:362-5, 1973
- Follicle stimulating hormone (FSH) and luteinizing hormone-human chorionic gonadotropin (LH-HCG) concentrations in paired maternal and cord sera. Penny R, et al. *Pediatrics* 53:41-7, Jan 74
- Arterial-venous differences in gonadotropin concentration across the ovary of sheep during different reproductive states. Cicmanec JL, et al. *Proc Soc Exp Biol Med* 144:99-105, 1 Oct 73
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73
- Gonadotropins in the infant chimpanzee: a sex difference. Falman C, et al. *Proc Soc Exp Biol Med* 144:952-5, Dec 73
- Effects of ether and barbiturates on serum LH concentrations in ovariectomized hamsters. Norman RL, et al. *Proc Soc Exp Biol Med* 144:168-71, 1 Oct 73
- Inhibition of ovulation and luteinizing hormone secretion in the cyclic rat by ergotamine tartrate. Raj HG, et al. *Proc Soc Exp Biol Med* 144:960-2, Dec 73
- In vivo and in vitro effects of synthetic luteinizing hormone-releasing hormone (LH-RH) upon the secretion of luteinizing hormone (LH) and follicle stimulating hormone (FSH) in intact and castrated, fed and starved adult male rats. Root AW, et al. *Proc Soc Exp Biol Med* 144:30-3, 1 Oct 73
- CNS depression in the absence of prolactin release following intraarterial injections of sodium pentothal in the proestrous rat. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:989-92, Dec 73
- Potentiation of luteinizing hormone-releasing factor activities following pentobarbital anesthesia in the steroid-blocked castrated rat. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:993-8, Dec 73
- Plasma levels of luteinizing hormone and of immunoreactive oestrogens (oestradiol) in anorexia nervosa: response to clomiphene citrate. Beaumont PJ, et al. *Psychol Med* 3:495-501, Nov 73
- Plasma profile of pituitary gonadotropins and ovarian steroids in the normal menstrual cycle. Pérez-Palacios G, et al. *Rev Invest Clin* 25:305-13, Oct-Dec 73
- Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al. *Tohoku J Exp Med* 110:347-57, Aug 73
- [Possibilities of the differential diagnosis of infertility with the LH-(ICSH)-and FSH-radioimmunoassay. Experimental studies (author's transl)] Altwein JE, et al. *Andrologie* 4:343-50, 1972 (Eng. Abstr.) (Ger)
- [Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al. *Dtsch Med Wochenschr* 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
- [The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al. *Dtsch Med Wochenschr* 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)
- [Possibilities for clinical use of synthetic LH-releasing hormone in gynecology] Groot-Wassink K, et al. *Zentralbl Gynaekol* 95:1010-8, 27 Jul 73 (Eng. Abstr.) (Ger)
- [LH-RH test in diencephalon-pituitary diseases] Hashimoto T, et al. *Clin Endocrinol (Tokyo)* 21:925-33, Sep 73 (Jap)
- [LH-RH therapy in menstruation and ovulation disorders] Izuka R, et al. *Clin Endocrinol (Tokyo)* 21:935-43, Sep 73 (Jap)
- [LH-RH test in urologic diseases: significance of LH-RH test in the field of urology] Isurugi K. *Clin Endocrinol (Tokyo)* 21:921-4, Sep 73 (Jap)
- [LH-RH tolerance test in women with normal menstrual cycle and those with ovulatory disorder] Kurachi K, et al. *Clin Endocrinol (Tokyo)* 21:913-9, Sep 73 (Jap)
- [Synthetic LH-RH tolerance test for children] Nimi H, et al. *Clin Endocrinol (Tokyo)* 21:969-73, Sep 73 (Jap)
- [Determination of blood LH and FSH with radioimmunoassay kit and its clinical evaluation examination] Yoshimoto S, et al. *Clin Endocrinol (Tokyo)* 21:753-9, Jul 73 (Jap)
- [Determination of some hormones in women with simple glaucoma during menopause] Gierkova A. *Klin Oczna* 43:1343-8, Dec 73 (Pol)
- [Effect of castration on the luteinizing function of the hypophysis in intact and androgenized rats] Nikitina MM, et al. *Probi Endokrinol (Mosk)* 19:76-82, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Prolactin (PRL) secretion during the normal menstrual cycle] Zárate A, et al. *Rev Invest Clin* 25:315-20, Oct-Dec 73 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

- The use of antisera covalently coupled to agarose, cellulose and sephadex in radioimmunoassay systems for proteins and haptens. Bolton AE, et al. *Biochim Biophys Acta* 329:318-30, 5 Dec 73
- A note on the purification of follicle-stimulating and luteinizing hormones from baboon pituitaries. Shownkeen RC, et al. *J Endocrinol* 59:659-60, Dec 73

METABOLISM

- Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). Griffiths EC, et al. *Acta Endocrinol (Kbh)* 74:49-55, Sep 73
- Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. *J Biol Chem* 249:43-51, 10 Jan 74
- Proceedings: Effects of antibody to oestrogen and of sodium pentobarbitone on protein metabolism in the brain and anterior pituitary, and on luteinizing hormone levels during the oestrous cycle in the rat. Haar MB ter, et al. *J Endocrinol* 59:xl-xlii, Nov 73
- Proceedings: Sex-hormone-binding globulin, luteinizing hormone and testosterone in man: effects of oestrogen and cyproterone acetate. Murray MA, et al. *J Endocrinol* 59:xxi-xxii, Nov 73
- Binding of radiolabeled human placental lactogen to buffalo corpus luteum in vitro. Moodbidri SB, et al. *J Reprod Fertil* 35:453-60, Dec 73
- Age-dependent differences in the binding of (131-I) LH by rat testis homogenates. Sharpe RM, et al. *J Reprod Fertil* 35:529-32, Dec 73
- Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73
- Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al. *Obstet Gynecol* 43:87-96, Jan 74

PHARMACODYNAMICS

- Stimulation of ovulation with F-6066 cyclofenil:

- bis-(p-acetoxyphenyl)-cyclohexyldienemethane. Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973
- Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.
Biochem Biophys Res Commun 55:623-9, 10 Dec 73
- The effect of gonadotropins on the mitochondrial adenylate cyclase of rat testis. Sulimovici S, et al.
Biochem Biophys Res Commun 55:673-9, 10 Dec 73
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al.
Brain Res 60:393-410, 12 Oct 73
- Testosterone secretion by rabbit ovary in vivo. Hillard J, et al.
Endocrinology 91:287-71, Jan 74
- Some effects of exogenous gonadotropins and prolactin on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al.
Gen Comp Endocrinol 21:424-30, Dec 73
- Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats. Fontaine YA, et al.
Horm Metab Res 5:376-80, Sep 73
- Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al.
J Clin Endocrinol Metab 38:99-108, Jan 74
- Proceedings: On the mechanism of action of luteinizing hormone on steroidogenesis. Robinson J, et al.
J Endocrinol 59:xix-xx, Nov 73
- Proceedings: Regulation of steroid secretion in sheep ovarian follicles. McIntosh JE, et al.
J Reprod Fertil 35:605-8, Dec 73
- FSH stimulation of testicular androgen-binding protein. Hansson V, et al.
Nature [New Biol] 246:56-8, 14 Nov 73
- Inhibition of ovulation and luteinizing hormone secretion in the cyclic rat by ergotamine tartrate. Raj HG, et al.
Proc Soc Exp Biol Med 144:960-2, Dec 73
- Induction of ovulation rats treated neonatally with androgen. Ying SY.
Proc Soc Exp Biol Med 144:822-5, Dec 73
- Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H.
Urology 2:99-102, Aug 73 (38 ref.)
- [Effect of hypophysectomy on the secretion of estrogens by the embryonic gonads of female ducks] Akram H, et al.
Gen Comp Endocrinol 21:543-6, Dec 73 (Eng. Abstr.) (Fre)
- ### PHYSIOLOGY
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al.
Brain Res 60:393-410, 12 Oct 73
- Endocrinology of puberty. I. Normal sexual maturation. Root AW.
J Pediatr 83:1-19, Jul 73 (111 ref.)
- [Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.
Akush Ginekoi (Mosk) 49:28-33, Aug 73 (Rus)
- ### SECRETION
- Effect of consecutive administration with synthetic LH-RH-FSH-RH on LH and FSH release, and on urinary steroids excretion. Seki M, et al.
Acta Obstet Gynaecol Jap 19:179-84, Jul 72
- Correlation of endometrial dating with luteinizing hormone peak. Tredway DR, et al.
Am J Obstet Gynecol 117:1030-3, 15 Dec 73
- The mechanism of the stimulation of LH production by synthetic LH-releasing hormone (LH-RH) in tissue culture. Ishikawa H, et al.
Biochem Biophys Res Commun 55:492-8, 16 Nov 73
- Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.
Biochem Biophys Res Commun 55:623-9, 10 Dec 73
- Gonadotropin release in prepubertal female mice following male exposure: a comparison with the adult cycle. Bronson FH, et al.
Biol Reprod 9:449-59, Dec 73
- Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders. Lee PA.
Clin Endocrinol (Oxf) 2:255-64, Jul 73
- Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Fujii T.
Endocrinol Jap 20:425-7, Aug 73
- Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al.
Endocrinol Jap 20:335-44, Jun 73
- Effects of limbic forebrain ablation on pituitary gonadal function in the female rat. Terasawa E, et al.
Endocrinol Jap 20:277-90, Jun 73
- Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74
- Effect of hypothalamic releasing factors and steroids on release of gonadotropins by organ cultures of human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
- Proceedings: Asynchronous pulsatile luteinizing hormone and follicle-stimulating hormone responses during luteinizing hormone-follicle-stimulating hormone releasing hormone and thyroid-stimulating hormone releasing hormone infusions. Mortimer CH, et al.
J Endocrinol 59:12-3, Nov 73
- Pituitary secretion of prolactin, luteinizing hormone and follicle-stimulating hormone in adult female rats treated neonatally with oestrogen. Nagasawa H, et al.
J Endocrinol 59:599-604, Dec 73
- Synthetic luteinizing hormone releasing factor. Short chain analogs. Rivier J, et al.
J Med Chem 17:230-3, Feb 74
- Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. Alier MS, et al.
J Physiol (Lond) 234:81P-82P, Oct 73
- An electrophysiological dissection of the hypothalamic regions which regulate the pre-ovulatory secretion of luteinizing hormone in the rat. Dyer RG.
J Physiol (Lond) 234:421-42, Oct 73
- Proceedings: Studies on synthetic LH-FSH-releasing hormone. Newton J, et al.
J Reprod Fertil 35:622-3, Dec 73
- Proceedings: Decrease of pituitary responsiveness to LH-RH in castrated rams pretreated with testosterone propionate. Pelletier J.
J Reprod Fertil 35:601-2, Dec 73
- Proceedings: Plasma LH levels in developing cockerels. Sharp PJ.
J Reprod Fertil 35:609-10, Dec 73
- Oestrogen-induced LH surges in the anovulatory and cyclic ewe. Symons AM, et al.
J Reprod Fertil 35:569-71, Dec 73
- Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74
- Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Kalra SP, et al.
Neuroendocrinology 12:321-33, 1973
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al.
Proc Soc Exp Biol Med 144:1002-5, Dec 73
- Inhibition of ovulation and luteinizing hormone secretion in the cyclic rat by ergotamine tartrate. Raj HG, et al.
Proc Soc Exp Biol Med 144:960-2, Dec 73
- In vivo and in vitro effects of synthetic luteinizing hormone-releasing hormone (LH-RH) upon the secretion of luteinizing hormone (LH) and follicle stimulating hormone (FSH) in intact and castrated, fed and starved adult male rats. Root AW, et al.
Proc Soc Exp Biol Med 144:30-3, 1 Oct 73
- Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordane treatment. Wedig JH, et al.
Proc Soc Exp Biol Med 144:796-801, Dec 73
- [Letter: Pituitary gonadotropin inhibition test. New data in the detection and the biological surveillance of trophoblastic tumors in both sexes] Hinglais H, et al.
Acad Rev 2:2601, 3 Nov 73 (Fre)
- [Clomiphene test in amenorrhea of mental anorexia (apropos of 26 cases)] Decourt J.
Ann Med Interne (Paris) 124:641-5, Aug-Sep 73 (Fre)
- [Release of luteinizing hormone (LH) by luteinizing hormone releasing hormone (LH-RH) in the sheep] Seeger K, et al.
Berl Munch Tierarztl Wochenschr 86:407-9, 1 Nov 73 (Eng. Abstr.) (Ger)
- [Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)
- [Stimulation in vitro of single human fetal pituitary glands] Serra GB.

- Folia Endocrinol (Roma) 26:257-67, Aug 73 (Eng. Abstr.) (Ita)
 [Mechanism of action of LH-RH] Kaneko T.
 Clin Endocrinol (Tokyo) 21:893-6, Sep 73 (17 ref.) (Jap)
 [Action of LH-RH in vitro] Mori H, et al.
 Clin Endocrinol (Tokyo) 21:897-903, Sep 73 (24 ref.) (Jap)
 [Treatment of anovulatory sterility. VI. Results with the use of gonadotropic hypothalamic hormone]
 Zárate A, et al.
 Ginecol Obstet Mex 34:475-87, Nov 73 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

- Amenorrhea following use of combined oral contraceptives. Furuhielm M, et al.
 Acta Obstet Gynecol Scand 52:373-9, 1973

URINE

- Urinary gonadotrophins following castration of men. Christlansen P.
 Acta Endocrinol (Kbh) 74:79-87, Sep 73
 Urinary follicle stimulating hormone and luteinizing hormone in six males with the XYY syndrome. Christlansen P, et al.
 Acta Endocrinol (Kbh) 74:625-30, Dec 73
 Immunochemical assay of follicle-stimulating and luteinizing hormone in the unconcentrated urine of sub- or infertile males. Mauss J, et al.
 Acta Endocrinol (Kbh) 74:631-41, Dec 73
 Androgens in breast cancer. II. Endometrial adenocarcinoma and breast cancer in married postmenopausal women. Grattarola R, et al.
 Am J Obstet Gynecol 118:173-8, 15 Jan 74
 Male infertility caused by abnormal androgen production in the adrenal cortex. Koumans J.
 Andrologie 4:379-84, 1972
 Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. Br Med J 1:11-3, 5 Jan 74
 The detection of LH activity in sheep urine by radioimmunoassay. Itze L, et al.
 Endocrinol Exp (Bratisl) 7:307-14, 1973
 Medroxyprogesterone acetate in the treatment of seizures associated with menstruation. Zimmerman AW, et al. J Pediatr 83:959-63, Dec 73
 [Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)
 [Immunochemical determination of luteinizing hormone (LH) in the urine of healthy children (author's transl)] Laspe H, et al.
 Z Kinderheilkd 115:41-8, 9 Aug 73 (Eng. Abstr.) (Ger)
 [Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al.
 Folia Endocrinol (Roma) 26:268-80, Aug 73 (Eng. Abstr.) (Ita)
 [Determination of urinary LH and minute quantities of HCG with erythrocyte agglutination inhibition reaction] Yamada Y, et al.
 Clin Endocrinol (Tokyo) 21:855-62, Aug 73 (Jap)
 [Comparative results of gonadotropin LH determination by way of the immunochemical and radioimmunological methods] Hyla R, et al.
 Endokrynol Pol 24:467-71, Nov-Dec 73 (Eng. Abstr.) (Pol)
 [Urinary excretion of gonadotropins (FSH, LH) and gonadotropin inhibitor in maturing girls] Soszka S, et al.
 Endokrynol Pol 24:385-93, Sep-Oct 73 (Eng. Abstr.) (Pol)
 [Excretion of pituitary luteinizing hormone in menstrual cycle disorder] Koreneva GP, et al.
 Akush Ginekol (Mosk) 49:49-53, May 73 (Eng. Abstr.) (Rus)
 [Correlation of the indices of pituitary luteinizing hormone excretion and of functional diagnosis tests in a normal menstrual cycle] Sakharov VI, et al.
 Akush Ginekol (Mosk) 49:53-4, May 73 (Rus)

MENOTROPINS

ADMINISTRATION & DOSAGE

- Induction of ovulation in patients following removal of

- a pituitary adenoma. Gemzell C.
 Am J Obstet Gynecol 117:955-61, 1 Dec 73
 [Testosterone secretion in men from childless marriages] Bönsch S, et al.
 Zentralbl Gynaekol 95:1025-39, 27 Jul 73 (Eng. Abstr.) (Ger)
 [Comparative studies on the induction of ovulation by Folistiman and Pergonal] Groot-Wassink K, et al.
 Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)

ANALYSIS

- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al.
 Acta Endocrinol (Kbh) 74:642-58, Dec 73

PHARMACODYNAMICS

- Maternal reaction to the loss of multiple births. A case of septuplets. Burnell GM.
 Arch Gen Psychiatry 30:183-4, Feb 74
 [Excretion of the urinary unconjugated estrogens during the menstrual cycle, the pregnancy, and after HCG and HMG stimulation (author's transl)] Desfosses B, et al.
 Steroids Lipids Res 4:86-97, Mar 73 (Eng. Abstr.) (Fre)
 [Testosterone secretion in men from childless marriages] Bönsch S, et al.
 Zentralbl Gynaekol 95:1025-39, 27 Jul 73 (Eng. Abstr.) (Ger)
 [Comparative studies on the induction of ovulation by Folistiman and Pergonal] Groot-Wassink K, et al.
 Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Amenorrhea following use of combined oral contraceptives. Furuhielm M, et al.
 Acta Obstet Gynecol Scand 52:373-9, 1973
 Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
 Am J Obstet Gynecol 117:955-61, 1 Dec 73
 Amenorrhea after discontinuing combined oestrogen-progesterone oral contraceptives. Steele SJ, et al. Br Med J 4:343-5, 10 Nov 73
 Occurrence of spontaneous second pregnancy after delivery of conceptions resulting from ovulation induced by various therapeutic modalities. Canales ES, et al. Int J Fertil 18:182-4, 1973
 Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al.
 N Engl J Med 290:10-5, 3 Jan 74
 [Comparative studies on the induction of ovulation by Folistiman and Pergonal] Groot-Wassink K, et al.
 Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)

MSH

- Melanocyte-stimulating hormone-release inhibiting hormone as a antidepressant. A pilot study. Ehrensing RH, et al. Arch Gen Psychiatry 30:63-5, Jan 74
 Immunobistochemical demonstration of corticotrophic cells concentrated in the rostral zone of the pars intermedia of the mouse hypophysis. Stoeckel ME, et al. Experientia 29:1289-90, 15 Oct 73
 [Detection of corticotrophic and melanotrophic cells in the hypophysis of the frog, Rana temporaria in the course of the development (author's transl)] Doerr-Schott J, et al.
 Z Zellforsch Mikrosk Anat 142:571-80, 1973 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

- [Ultrastructural changes in thyroid gland cells during different schedules of intermediate administration] Dub VI, et al. Biol Nauki 112:29-34, 1973 (Rus)

ANALYSIS

- ACTH and MSH assays and their clinical application. Besser GM.
 Clin Endocrinol (Oxf) 2:175-86, Apr 73 (55 ref.)
 The effect of long-term exposure to an illuminated white background on the MSH content of the pituitary of Xenopus laevis. Chong LK.
 Comp Gen Pharmacol 4:157-66, Jun 73

The solid-phase synthesis of human and monkey beta-melanotropins. Wang KT, et al.
Int J Pept Protein Res 5:33-6, 1973
 Immunohistochemical localization of adrenocorticotropin and melanocyte stimulating hormone in pars intermedia of rat hypophysis. Naik DV. *Z Zellforsch Mikrosk Anat* 142:289-304, 17 Sep 73
 Electron microscopic-immunocytochemical localization of adrenocorticotropin and melanocyte stimulating hormone in the pars intermedia cells of rats and mice. Naik DV.
Z Zellforsch Mikrosk Anat 142:305-28, 17 Sep 73

ANTAGONISTS & INHIBITORS

L-prolyl-L-leucyl-glycinamide (PLG): influences on locomotor and stereotyped behavior of cats. North RB, et al. *Brain Res* 63:435-9, 7 Dec 73
 Production of MSH-release-inhibiting hormone by a particulate preparation of hypothalamus: mechanisms of oxytocin inactivation. Walter R, et al.
Brain Res 60:449-57, 12 Oct 73

BLOOD

The secretion of melanocyte-stimulating hormone after adrenalectomy and dexamethasone treatment in the rat. Thody AJ, et al. *J Endocrinol* 59:657-8, Dec 73

CHEMICAL SYNTHESIS

The solid-phase synthesis of human and monkey beta-melanotropins. Wang KT, et al.
Int J Pept Protein Res 5:33-6, 1973

ISOLATION & PURIFICATION

The solid-phase synthesis of human and monkey beta-melanotropins. Wang KT, et al.
Int J Pept Protein Res 5:33-6, 1973

METABOLISM

Proceedings: Adrenocorticotrophin (ACTH) and beta-melanocyte-stimulating hormone peptides in tumours associated with the ectopic ACTH syndrome. Bloomfield G, et al. *J Endocrinol* 59:28-9, Nov 73

PHARMACODYNAMICS

Activity and dark preference responses of albino and hooded rats receiving MSH. Stratton LO, et al.
Physiol Behav 11:907-9, Dec 73

PHYSIOLOGY

[Chemistry of hypothalamic hypophysiotropic hormones] Kasatirek E.
Cesk Farm 22:364-74, 1973 (Cze)

SECRETION

The secretion of melanocyte-stimulating hormone after adrenalectomy and dexamethasone treatment in the rat. Thody AJ, et al. *J Endocrinol* 59:657-8, Dec 73
 The development of a hypothalamic monoaminergic system for the regulation of the Pars intermedia activity in *Xenopus laevis*. Terlou M, et al.
Z Zellforsch Mikrosk Anat 143:229-38, 1973

NEUROPHYSINS

Deuteron magnetic resonance studies on the microdynamical behavior of partially deuterated oxytocin with neurophysin. Glasel JA, et al.
J Mol Biol 79:555-75, 25 Sep 73

ANALYSIS

Synthetic and natural polypeptides related to the pituitary and their natriuretic activity in animals and man. Cort JH.
Acta Cardiol (Brux) Suppl 17:219-2, 1973

IMMUNOLOGY

[Leukemoid reactions in fibro-cavernous tuberculosis of the lungs] Zinov'ev IP, et al.
Sov Med 36:119-22, Mar 73 (Eng. Abstr.) (Rus)

SECRETION

Effects of colchicine on release of neurosecretory material from the posterior pituitary gland of the rat. Norström A, et al.
Z Zellforsch Mikrosk Anat 142:443-64, 1973

OXYTOCINS

Prostaglandin 15 (R) 15-methyl-E2 methyl ester for suppression of gastric acidity in grvida at term. Amy JJ, et al. *Br Med J* 4:208-11, 27 Oct 73

ADMINISTRATION & DOSAGE

The induction and stimulation of labour with buccal desaminooxytocin and oxytocin tablets. Poulsen EF.
Acta Obstet Gynecol Scand 52:303-7, 1973

ADVERSE EFFECTS

The induction and stimulation of labour with buccal desaminooxytocin and oxytocin tablets. Poulsen EF.
Acta Obstet Gynecol Scand 52:303-7, 1973

PHARMACODYNAMICS

The induction and stimulation of labour with buccal desaminooxytocin and oxytocin tablets. Poulsen EF.
Acta Obstet Gynecol Scand 52:303-7, 1973

OXYTOCIN

Proposed conformations of oxytocin and selected analogs in dimethyl sulfoxide as deduced from proton magnetic resonance studies. Brewster AI, et al.
Biochemistry 12:5294-304, 18 Dec 73
 Partition behavior of amino acids and small peptides in aqueous dextran-poly(ethylene glycol) phase systems. Sasakawa S, et al.
Biochemistry 13:29-33, 1 Jan 74
 Thiol-protein disulfide oxidoreductase activity in lactating and non-lactating mouse mammary gland. Ferrier BM, et al. *Can J Biochem* 51:1555-8, Nov 73
 Deuteron magnetic resonance studies on the microdynamical behavior of partially deuterated oxytocin with neurophysin. Glasel JA, et al.
J Mol Biol 79:555-75, 25 Sep 73
 Model-building of neurohypophyseal hormones. Honig B, et al. *J Mol Biol* 80:277-95, 25 Oct 73

ADMINISTRATION & DOSAGE

The induction and stimulation of labour with buccal desaminooxytocin and oxytocin tablets. Poulsen EF.
Acta Obstet Gynecol Scand 52:303-7, 1973
 Residual milk yield as affected by dose and time of injection of oxytocin. Thompson PD, et al.
J Dairy Res 40:221-7, Jun 73
 A comparison of oral prostaglandin E2 and intravenous Syntocinon in the induction of labour. Kelly J, et al.
J Obstet Gynaecol Br Commonw 80:923-6, Oct 73
 Comparison of extra- and intra-amniotic prostaglandins for therapeutic abortion. Fraser IS, et al.
Obstet Gynecol 43:97-103, Jan 74
 [Experience with prolonged propofol anaesthesia in obstetrics (author's transl)] Krüger HW.
Z Prakt Anaesth 8:216-22, Aug 73 (Eng. Abstr.) (Ger)
 [Effect of transbuccal oxytocin on the acetylcholine-cholinesterase system in atonic labor] Dzharava MK.
Sov Med 35:108-12, Dec 72 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

The induction and stimulation of labour with buccal desaminooxytocin and oxytocin tablets. Poulsen EF.
Acta Obstet Gynecol Scand 52:303-7, 1973

ANALYSIS

The effect of oxytocin antibodies on the litter size in rats. Kumaresan P.
Am J Obstet Gynecol 118:68-72, 1 Jan 74
 Proposed conformations of oxytocin and selected analogs in dimethyl sulfoxide as deduced from proton magnetic resonance studies. Brewster AI, et al.
Biochemistry 12:5294-304, 18 Dec 73
 Oxytocic activity measurements in blood plasma with some observations on oxytocin disappearance rates in

OXYTOCIN

- lactating cows. Barowicz T, et al.
Bull Acad Pol Sci [Biol] 21:615-8, 1973
 Proceedings: Assay of oxytocin on the superfused mouse mammary gland using an automatic apparatus. Robinson IC, et al. *J Physiol (Lond)* 234:6P-7P, Oct 73

ANTAGONISTS & INHIBITORS

- (1-Beta-mercapto-beta,beta-diethylpropionic acid)-8-lysine-vasopressin, a potent inhibitor of 8-lysine-vasopressin and of oxytocin. Dyckes DF, et al. *J Med Chem* 17:250-2, Feb 74
 [Effect of Vasodilan on placental blood vessels in vitro] Jungmannova C, et al.
Zentralbl Gynaekol 95:1476-80, 19 Oct 73 (Eng. Abstr.) (Ger)

BLOOD

- Proceedings: New dialysis technique for the continuous measurement of the concentration of vasoactive hormones. Collier JG.
Br J Pharmacol 44:383P, Feb 72
 Oxytocic activity measurements in blood plasma with some observations on oxytocin disappearance rates in lactating cows. Barowicz T, et al.
Bull Acad Pol Sci [Biol] 21:615-8, 1973
 [Diagnosis and therapy of threatened pregnancies by means of synthetic ACTH (author's transl)] Klimek R. *Cesk Gynecol* 38:647-9, Nov 73 (Cze)

CHEMICAL SYNTHESIS

- Symmetrical disulfide bonds as S-protecting groups and their cleavage by dithiothreitol: synthesis of oxytocin with high biological activity. Hase S, et al. *Int J Pept Protein Res* 5:283-8, 1973

DIAGNOSTIC USE

- The effect of estradiol replacement therapy on early pregnant luteotomized patients. Csapo AI, et al. *Am J Obstet Gynecol* 117:987-90, 1 Dec 73

METABOLISM

- Changes in hypothalamic peptidase activity during the oestrous cycle in the adult female rat. Griffiths EC, et al. *Acta Endocrinol (Kbh)* 74:41-8, Sep 73
 Effect of oxytocin on the perfused human placenta in vitro. Branda LA, et al.
Am J Obstet Gynecol 117:1116-25, 15 Dec 73
 Production of MSH-release-inhibiting hormone by a particulate preparation of hypothalamus: mechanisms of oxytocin inactivation. Walter R, et al.
Brain Res 60:449-57, 12 Oct 73
 Oxytocic activity measurements in blood plasma with some observations on oxytocin disappearance rates in lactating cows. Barowicz T, et al.
Bull Acad Pol Sci [Biol] 21:615-8, 1973
 Breakdown of (3H)oxytocin by rat tissues in vitro. Egan SM, et al. *J Endocrinol* 59:305-12, Nov 73
 Block of oxytocin-induced parturition and oviposition by prostaglandin inhibitors. Hertelendy F.
Life Sci 13:1581-9, 1 Dec 73

PHARMACODYNAMICS

- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol (Kbh)* 74:642-58, Dec 73
 Measurement of uterine blood flow in non-pregnant women by electromagnetic flowmeter. Effect of oxytocin. Klingenberg I.
Acta Obstet Gynecol Scand 52:317-21, 1973
 The induction and stimulation of labour with buccal desaminoxytocin and oxytocin tablets. Poulsen EF. *Acta Obstet Gynecol Scand* 52:303-7, 1973
 On the effect of a polypeptide isolated from "Kalata-Kalata" (*Oldenlandia affinis* DC) on the oestrogen dominated uterus. Gran L.
Acta Pharmacol Toxicol (Kbh) 33:400-8, 1973
 Effect of oxytocin on the perfused human placenta in vitro. Branda LA, et al.
Am J Obstet Gynecol 117:1116-25, 15 Dec 73
 The effect of oxytocin antibodies on the litter size in rats. Kumaresan P.
Am J Obstet Gynecol 118:68-72, 1 Jan 74
 Influences of manual udder stimulation and oxytocin on mammary artery blood flow in lactating cows.

PITUITARY

- Houvenaghe A, et al.
Arch Int Pharmacodyn Ther 205:124-33, Sep 73
 The action of polypeptides, amines and prostaglandins on isolated smooth muscle preparations of seminal vesicles and deferent ducts. Negri L, et al.
Arch Int Pharmacodyn Ther 205:23-8, Sep 73
 Prostaglandins in reproduction. Behrman HR, et al. *Arch Intern Med* 133:77-84, Jan 74 (50 ref.)
 Some aspects of the inhibition of the action of antidiuretic hormone by lithium ions in the rat kidney and bladder of the toad *Bufo marinus*. Harris CA, et al. *Br J Pharmacol* 44:223-32, Feb 72
 Effect of neurohypophyseal hormones on FFA mobilization from the adipose tissue in the dehydrated rat. Yano S, et al.
Endocrinol Jap 20:345-7, Jun 73
 Selective microvascular constrictor actions of some neurohypophyseal peptides. Altura BM.
Eur J Pharmacol 24:49-60, Oct 73
 Pharmacology of cyclic analogues of deamino-oxytocin not containing a disulphide bond (carba analogues). Barth T, et al. *Eur J Pharmacol* 24:183-8, Nov 73
 Pharmacology of oxytocin-(1-6)-hexapeptide amide, vasopressin-(1-6)-hexapeptide amide and their deamino analogues. Krejčí I, et al.
Eur J Pharmacol 24:179-82, Nov 73
 Studies on autonomic nervous influence on the vascular response to oxytocin. Devi KS, et al.
Indian J Med Sci 27:456-60, Jun 73
 Symmetrical disulfide bonds as S-protecting groups and their cleavage by dithiothreitol: synthesis of oxytocin with high biological activity. Hase S, et al. *Int J Pept Protein Res* 5:283-8, 1973
 Residual milk yield as affected by dose and time of injection of oxytocin. Thompson PD, et al.
J Dairy Res 40:221-7, Jun 73
 Changes in the composition and yield of the mammary secretion of cows during the initiation of lactation. Hartmann PE. *J Endocrinol* 59:231-47, Nov 73
 Angiotensin-like and antagonistic activities of N-terminal modified (8-leucine)angiotensin II peptides. Palva TB, et al. *J Med Chem* 17:239-41, Feb 74
 An electrophysiological dissection of the hypothalamic regions which regulate the pre-ovulatory secretion of luteinizing hormone in the rat. Dyer RG.
J Physiol (Lond) 234:421-42, Oct 73
 The contractility of the cauda epididymidis of the mouse, its spontaneous activity in vitro and the effects of oxytocin. Hib J.
J Reprod Fertil 36:191-3, Jan 74
 Block of oxytocin-induced parturition and oviposition by prostaglandin inhibitors. Hertelendy F.
Life Sci 13:1581-9, 1 Dec 73
 The effect of oxytocin on renal blood flow and its distribution in the dog. Barnes AB.
Nephron 11:40-57, 1973
 Central corticotropin inhibition by arginine vasotocin in the mouse. Pavel S, et al.
Neuroendocrinology 12:371-5, 1973
 Phospholipids and fatty acids in relation to the premature induction of labor in rabbits. Lanman JT, et al. *Pediatr Res* 8:1-4, Jan 74
 The effects of pitocin and hysterectomy on growth and involution of the corpus luteum of the rabbit. Sollman FA, et al.
Zentralbl Veterinärmed [A] 20:571-80, Sep 73
 [Effect of neurohypophyseal hormones and insulin on motor activity in the stomach of the scorpion fish *Scorpaena porcus*] Gaggian DM, et al.
Zh Evol Blokhim Fiziol 9:301-3, May-Jun 73 (Eng. Abstr.) (Rus)
 [Letter: Influence of pH on the response of the rat uterus to oxytocin] Rovere AA, et al.
Acta Physiol Lat Am 23:317-9, Apr 73 (Spa)

PHYSIOLOGY

- Stimulation of diencephalon: effect on multi-unit discharge rate of hypothalamic neurons and on the EEG in rabbits. Schulz H, et al.
Endocrinol Exp (Bratisl) 7:251-65, 1973
 On the role of the hypophysis in the renal mechanism of body fluid volumes regulation. Lichardus B, et al.
Endokrinologie 61:403-12, Jun 73

THERAPEUTIC USE

- A comparison of oral prostaglandin E2 and intravenous Syntocinon in the induction of labour. Kelly J, et al. *J Obstet Gynaecol Br Commonw* 80:923-6, Oct 73

PITUITARY

PROLACTIN

Comparison of extra- and intra-amniotic prostaglandins for therapeutic abortion. Fraser IS, et al. *Obstet Gynecol* 43:97-103, Jan 74

[New drugs for the improvement of gynaecological and obstetric treatment (author's transl)] Horský J. *Cesk Gynecol* 38:585-8, Sep 73 (Cze)

[Beta adrenergic agents as labor inhibitors] Hüter J, et al. *Dtsch Med Wochenschr* 98:2482-3, 28 Dec 73 (Ger)

[A new interpretation of the relationship between supine hypotension syndrome and amniotic fluid embolism (author's transl)] Seger R, et al. *Geburtshilfe Frauenheilkd* 33:868-71, Nov 73 (Eng. Abstr.) (Ger)

[Blood estrogen, acetylcholine and cholinesterase content during weak labor activity] Manullov IA, et al. *Akush Ginekol (Mosk)* 49:16-9, Jun 73 (Eng. Abstr.) (Rus)

[Diagnosis and therapy of the subclinical stage of lactational mastitis] Vanina LV, et al. *Akush Ginekol (Mosk)* 49:48-51, Mar 73 (Eng. Abstr.) (Rus)

[Effect of transbuccal oxytocin on the acetylcholine-cholinesterase system in atonic labor] Dzhuraeva MK. *Sov Med* 35:108-12, Dec 72 (Eng. Abstr.) (Rus)

[Prevention of sterility in cows] Rodin II. *Veterinariia* 3:77-9, Feb 73 (Rus)

PITUITARY HORMONES

Ovulation blockade in rats by rabbit anti-luteinizing hormone releasing factor serum. Makino T, et al. *Contraception* 8:133-45, Aug 73

PHARMACODYNAMICS

Proceedings: Cardiac responses to pituitary and thyroid hormones. Beznak M, et al. *Br J Pharmacol* 44:333P-334P, Feb 72

PHYSIOLOGY

Maturation of nonmyelinated fiber bundles in a strain of dwarf (Snell's) mice. Reller PJ, et al. *Anat Rec* 178:103-18, Jan 74

Proceedings: Etiology, epidemiology, and pathology of prostatic cancer. Franks LM. *Cancer* 32:1092-5, Nov 73

SECRETION

Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74

THERAPEUTIC USE

New drug development--expectations and speculations. Gross F. *Acta Pharm Suec* 10:401-24, Nov 73 (62 ref.)

PITUITARY HORMONES, ANTERIOR

ANALYSIS

[Localisation by immunofluorescence of secretions related to thyrotropins, gonadotropins and corticotropins in axoloti pituitary (Ambystoma mexicanum, Shaw (author's transl)] Hauser-Gunsbourg N, et al.

Z Zellforsch Mikrosk Anat 142:539-48, 1973 (Eng. Abstr.) (Fre)

[Radioimmunochemical determination of proteohormones] Sofranková A. *Cesk Fysiol* 22:156-68, 1973 (Slo)

BLOOD

[Mechanisms of action of oral contraceptives] Vihko R. *Duodecim* 89:1612-7, Oct 73 (14 ref.) (Fin)

METABOLISM

[Isolated deficiency of anterior pituitary hormone] Kumahara Y, et al. *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

PHYSIOLOGY

The hypothalamic-pituitary control of aging and

age-related pathology. Everitt AV. *Exp Gerontol* 8:265-77, Oct 73 (104 ref.)

SECRETION

[Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D. *Monatsschr Kinderheilkd* 121:652-5, Oct 73 (Eng. Abstr.) (Ger)

PITUITARY HORMONES, POSTERIOR

Model-building of neurohypophyseal hormones. Honig B, et al. *J Mol Biol* 80:277-95, 25 Oct 73

ANALYSIS

Synthetic and natural polypeptides related to the pituitary and their natriuretic activity in animals and man. Cort JH. *Acta Cardiol (Brux)* Suppl 17:219-2, 1973

PHARMACODYNAMICS

Effect of neurohypophyseal hormones on FFA mobilization from the adipose tissue in the dehydrated rat. Yano S, et al. *Endocrinol Jap* 20:345-7, Jun 73

[Motor activity of the stomach in the Black Sea skate *Dasyatis pastinaca*] Czegliz DM, et al. *Zh Evol Biokhim Fiziol* 9:536-9, Sep-Oct 73 (Eng. Abstr.) (Rus)

[Effect of neurohypophyseal hormones and insulin on motor activity in the stomach of the scorpion fish *Scorpaena porcus*] Czegliz DM, et al. *Zh Evol Biokhim Fiziol* 9:301-3, May-Jun 73 (Eng. Abstr.) (Rus)

[Effect of pituitrin on thermoregulatory heat production in rats in the 1st month of life] Kornienko NA, et al. *Zh Evol Biokhim Fiziol* 9:298-301, May-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Synthetic and natural polypeptides related to the pituitary and their natriuretic activity in animals and man. Cort JH. *Acta Cardiol (Brux)* Suppl 17:219-2, 1973

PROLACTIN

ADMINISTRATION & DOSAGE

Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al. *Proc Soc Exp Biol Med* 144:923-6, Dec 73

ANALYSIS

Blockade of the surge of prolactin at pro-oestrus by administration of anti-oestrogenic substance, MER-25. Yokoyama A, et al.

Acta Endocrinol (Kbh) 74:769-74, Dec 73

Disc-electrophoretic identification of prolactin in the cichlid teleosts *Tilapia* and *Cichlasoma* and densitometric measurement of its concentration in *Tilapia* pituitaries during salinity transfer experiments. Clarke WC. *Can J Zool* 51:687-95, Jul 73

Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. *Endocrinol Jap* 20:335-44, Jun 73

Sodium-retaining bioassay of prolactin in the intact teleost *Tilapia mossambica* acclimated to sea water. Clarke WC. *Gen Comp Endocrinol* 21:498-512, Dec 73

Purification of adenohypophyseal plasma membranes and properties of associated adenylate cyclase. Polrier G, et al. *J Biol Chem* 249:316-22, 10 Jan 74

Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol benzoate. Mallampati RS, et al. *J Endocrinol* 59:209-16, Nov 73

Effect of sodium deprivation and pinealectomy on pituitary and plasma prolactin in the rat. Relkin R. *J Endocrinol* 59:383-4, Nov 73

Pituitary LH response to LHRH in rats after treatment

PROLACTIN

with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al.

Proc Soc Exp Biol Med 144:1002-5, Dec 73

[Methods for the determination of prolactin with reference to the use of biological titration in the pigeon gizzard] Sedivá V, et al.

Cesk Fysiol 22:193-212, Mar 73 (Cze)

ANTAGONISTS & INHIBITORS

Proceedings: Calcium dependent release of hypophysiotropic substances from nerve-endings (synaptosomes) isolated from the hypothalamus. Bennett GW, et al. J Endocrinol 59:xv-xvi, Nov 73

Frusemide as inhibitor of prolactin action. Manku MS, et al. Lancet 2:1261-2, 1 Dec 73

Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. Nature 245:330-2, 12 Oct 73

[Various concepts and current observations on the neurohumoral control of prolactin secretion in mammals] Valverde C.

Rev Invest Clin 25:287-85, Jul-Sep 73 (81 ref.) (Eng. Abstr.) (Spa)

BIOSYNTHESIS

Studies on in vitro synthesis and secretion of growth hormone and prolactin. II. Evidence against the existence of precursor molecules. Zanini A, et al. Endocrinology 91:104-11, Jan 74

Effect of anti-mitotic drugs on the in vitro secretory activity of mammothrophs and somatotrophs and on their microtubules. MacLeod RM, et al.

Proc Soc Exp Biol Med 144:259-67, 1 Oct 73

BLOOD

Circulating prolactin levels during the menstrual cycle: episodic release and diurnal variation. Ehara Y, et al. Am J Obstet Gynecol 117:962-70, 1 Dec 73

Prolactin secretion in sixty-five patients with galactorrhea. Tollis G, et al.

Am J Obstet Gynecol 118:91-101, 1 Jan 74

Pharmacology of three mammothropic butyrophenones in the rat. Givanti Y, et al.

Arch Int Pharmacodyn Ther 205:317-27, Oct 73

Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.

Biochem Biophys Res Commun 55:623-9, 10 Dec 73

The effect of thyrotrophin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. Toft AD, et al.

Clin Endocrinol (Oxf) 2:289-95, Jul 73

Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. Endocrinol Jap 20:335-44, Jun 73

Plasma luteinizing hormone, follicle-stimulating hormone and prolactin during pregnancy in the mouse. Murr SM, et al. Endocrinology 91:112-6, Jan 74

Growth characteristics of chemically induced rat mammary tumors in autochthonous and secondary hosts. Takizawa S, et al. Gann 64:465-74, Oct 73

Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. Judd HL, et al.

J Clin Endocrinol Metab 38:134-41, Jan 74

Secondary hypopituitarism: evidence for continuing regulation of hormone release. Woolf PD, et al. J Clin Endocrinol Metab 38:71-6, Jan 74

Basal levels of prolactin in goat blood measured throughout a 24-h period by a rapid double antibody-solid phase radioimmunoassay. Hart IC. J Dairy Res 40:235-45, Jun 73

Proceedings: Effect of active immunization against testosterone-3-bovine serum albumin on circulating levels of testosterone, luteinizing hormone, prolactin and anti-testosterone titre in the male rat. Hillier SG, et al. J Endocrinol 59:22-3, Nov 73

Effect of haloperidol on serum prolactin and milk yield in the dairy ewe. Shan J, et al.

J Endocrinol 59:383-4, Nov 73

Correlation between serum prolactin levels and incidence of mammary tumors induced by 7,12-dimethylbenz(alpha)anthracene in the rat. Gala RR, et al. J Natl Cancer Inst 51:593-7, Aug 73

Proceedings: Plasma levels of LH, FSH and prolactin in women during and after insertion of an intrauterine device. Fortuny A, et al.

J Reprod Fertil 35:628-9, Dec 73

PITUITARY

Letter: Prolactin and myocardial infarction. Horrobin DF, et al. Lancet 2:1261, 1 Dec 73

Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. Nature 245:330-2, 12 Oct 73

Arterial-venous differences in gonadotropin concentration across the ovary of sheep during different reproductive states. Clemenec JL, et al.

Proc Soc Exp Biol Med 144:99-105, 1 Oct 73

Increased serum prolactin induced in hypophysectomized rats bearing ectopic pituitaries. Maiven PV, et al.

Proc Soc Exp Biol Med 144:956-9, Dec 73

CNS depression in the absence of prolactin release following intraarterial injections of sodium pentothal in the proestrous rat. Wedig JH, et al.

Proc Soc Exp Biol Med 144:989-92, Dec 73

Does reserpine increase prolactin and exacerbate cancer of prostate? Case control study. Newball HH, et al. Urology 2:525-9, Nov 73

[Prolactin (PRL) secretion during the normal menstrual cycle] Zárate A, et al.

Rev Invest Clin 25:315-20, Oct-Dec 73 (Eng. Abstr.) (Spa)

ISOLATION & PURIFICATION

Sodium-retaining bioassay of prolactin in the intact teleost Tilapia mossambica acclimated to sea water. Clarke WC. Gen Comp Endocrinol 21:498-512, Dec 73

METABOLISM

Blockade of the surge of prolactin at pro-oestrus by administration of anti-oestrogenic substance. MER-25. Yokoyama A, et al.

Acta Endocrinol (Kbh) 74:769-74, Dec 73

Synthesis of analogs of the thyrotrophin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Slevartsson H, et al.

Acta Pharm Suec 10:297-308, Sep 73

In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y.

Endocrinol Jap 20:291-306, Jun 73

Whole mammary gland organ culture: selection of appropriate gland. Banerjee MR, et al.

In Vitro 9:129-33, Sep-Oct 73

Proceedings: Factors affecting the release and synthesis of teleost pituitary polypeptide hormones. Baker BI, et al. J Endocrinol 59:xi, Nov 73

Proceedings: Calcium dependent release of hypophysiotropic substances from nerve-endings (synaptosomes) isolated from the hypothalamus. Bennett GW, et al. J Endocrinol 59:xv-xvi, Nov 73

Letter: Prolactin and depression. Burton JL. Lancet 1:26, 5 Jan 74

Hormone dependence in breast cancer. McGuire WL, et al. Metabolism 23:75-100, Jan 74 (154 ref.)

Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. Nature 245:330-2, 12 Oct 73

[Methods for the determination of prolactin with reference to the use of biological titration in the pigeon gizzard] Sedivá V, et al.

Cesk Fysiol 22:193-212, Mar 73 (Cze)

[Prolactin levels in the rat's anterior pituitary gland during ontogeny, sexual maturation, pregnancy and lactation] Kreičhi P, et al.

Probl Endokrinol (Mosk) 19:70-6, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Letter: Thyrotrophin-releasing hormone, prolactin, and cholesterol. Horrobin DF. Br Med J 4:676, 15 Dec 73

Biochemical responses elicited in normal or prolactin-treated Xenopus laevis (Daudin) specimens by environmental changes. Giunta C, et al.

Comp Biochem Physiol [A] 47:323-31, Jan 74

Effects of hypophysectomy on osmoregulation in the euryhaline flounder, Platichthys flesus (L.), in sea water and in fresh water. Macfarlane NA.

Comp Biochem Physiol [A] 47:201-17, Jan 74

Sodium-retaining bioassay of prolactin in the intact teleost Tilapia mossambica acclimated to sea water. Clarke WC. Gen Comp Endocrinol 21:498-512, Dec 73

Pituitary regulation of serum calcium levels in the killifish, Fundulus heteroclitus L. Pang PK, et al.

Gen Comp Endocrinol 21:536-42, Dec 73

Some effects of exogenous gonadotropins and prolactin

- on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al. *Gen Comp Endocrinol* 21:424-30, Dec 73
- Effect of neonatal administration of prolactin on pituitary secretion of prolactin and gonadotrophins in adult female rats. Nagasawa H, et al. *J Endocrinol* 59:377-8, Nov 73
- In vitro effects of prolactin and cortisol on water permeability of the urinary bladder of the teleost *Gillichthys mirabilis*. Doneen BA, et al. *J Exp Zool* 187:173-9, Jan 74
- The action of sheep prolactin on human Fallopian tubes in vitro. Mugambi M, et al. *J Obstet Gynaecol Br Commonw* 80:934-6, Oct 73
- Role of insulin as a "permissive" hormone in mammary gland development. Mukherjee AS, et al. *Nature* 246:159-60, 18 Nov 73
- Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al. *Proc Soc Exp Biol Med* 144:923-6, Dec 73
- Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)

PHYSIOLOGY

- Circulating prolactin levels during the menstrual cycle: episodic release and diurnal variation. Ehara Y, et al. *Am J Obstet Gynecol* 117:962-70, 1 Dec 73
- Prolactin and electrolyte balance. Manku MS, et al. *East Afr Med J* 50:366-9, Jul 73
- Letter: Prolactin and depression. Burton JL. *Lancet* 1:28, 5 Jan 74
- Frusemide as inhibitor of prolactin action. Manku MS, et al. *Lancet* 2:1261-2, 1 Dec 73
- Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al. *Proc Soc Exp Biol Med* 144:923-6, Dec 73
- Does reserpine increase prolactin and exacerbate cancer of prostate? Case control study. Newball HH, et al. *Urology* 2:525-9, Nov 73
- [Chemistry of hypothalamic hypophysiotropic hormones] Kasafirek E. *Cesk Farm* 22:364-74, 1973 (Cze)
- [Various concepts and current observations on the neurohumoral control of prolactin secretion in mammals] Valverde C. *Rev Invest Clin* 25:267-85, Jul-Sep 73 (81 ref.) (Eng. Abstr.) (Spa)

SECRETION

- Circulating prolactin levels during the menstrual cycle: episodic release and diurnal variation. Ehara Y, et al. *Am J Obstet Gynecol* 117:962-70, 1 Dec 73
- Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74
- The effect of thyrotrophin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:289-95, Jul 73
- Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. *Endocrinol Jap* 20:335-44, Jun 73
- Proceedings: Prolactin release in the ewe induced by a synthetic tripeptide. Moseley SR, et al. *J Endocrinol* 59:xlx-xlvi, Nov 73
- Pituitary secretion of prolactin, luteinizing hormone and follicle-stimulating hormone in adult female rats treated neonatally with oestrogen. Nagasawa H, et al. *J Endocrinol* 59:599-604, Dec 73
- Effect of neonatal administration of prolactin on pituitary secretion of prolactin and gonadotrophins in adult female rats. Nagasawa H, et al. *J Endocrinol* 59:377-8, Nov 73
- Correlation between serum prolactin levels and incidence of mammary tumors induced by 7,12-dimethylbenz(alpha)anthracene in the rat. Gala RR, et al. *J Natl Cancer Inst* 51:593-7, Aug 73
- Letter: Prolactin and myocardial infarction. Horrobin DF, et al. *Lancet* 2:1261, 1 Dec 73
- Proceedings: Hypotheses regarding the etiology of breast cancer. Cole P. *Proc Natl Cancer Conf* 7:657-61, 1973 (27 ref.)
- Effect of anti-mitotic drugs on the in vitro secretory activity of mammotrophs and somatotrophs and on their microtubules. MacLeod RM, et al. *Proc Soc Exp Biol Med* 144:259-67, 1 Oct 73

- CNS depression in the absence of prolactin release following intraarterial injections of sodium pentothal in the proestrous rat. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:989-92, Dec 73
- [Dopaminergic neurons in the hypothalamo-hypophyseal system] Schreiber V. *Cesk Fysiol* 22:213-24, Mar 73 (Cze)
- [Cerebral amines and pituitary function] Imura H, et al. *Clin Endocrinol (Tokyo)* 21:997-1005, Oct 73 (Jap)
- [The Chiari-Frommel syndrome] Skaiba H, et al. *Ginek Pol* 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)
- [Various concepts and current observations on the neurohumoral control of prolactin secretion in mammals] Valverde C. *Rev Invest Clin* 25:267-85, Jul-Sep 73 (81 ref.) (Eng. Abstr.) (Spa)

URINE

- [Excretion of lactogenic hormone in the early lactation period (a clinical and experimental study)] Shipokinskaia ON, et al. *Akush Ginek (Mosk)* 49:57-9, Aug 73 (Rus)

SOMATOTROPIN

- Fibroblast proliferative activity in the sera of growth hormone deficient patients. August GP, et al. *Horm Metab Res* 5:340-1, Sep 73
- [Editorial: New findings on polypeptides derived from growth hormone] Hejda B. *Vnitř Lek* 19:1028-31, Oct 73 (Cze)

ADMINISTRATION & DOSAGE

- Effect of dose and administration period of growth hormone on longitudinal bone growth in the hypophysectomized rat. Thorngren KG, et al. *Acta Endocrinol (Kbh)* 74:1-23, Sep 73
- Cell kinetics of the growth plate in hypophysectomized rats treated with growth hormone and thyroxine. Thorngren KG, et al. *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73
- [Anesthesia and brain serotonin increase by pentobarbital following adrenalectomy and continuous administration of growth hormone in rats] Kobayashi M, et al. *Folia Pharmacol Jap* 69:829-33, Sep 73 (Eng. Abstr.) (Jap)
- [Morphological and cytochemical studies on the behavior of Golgi apparatus in the follicular cells of the thyroid gland of guinea pigs under the influence of STH] Finkiewicz-Murawiejska L, et al. *Endokrynol Pol* 24:279-89, Jul-Aug 73 (Eng. Abstr.) (Pol)

ANALYSIS

- Growth hormone levels in vitamin B6-deficient rats. Makris A, et al. *Horm Metab Res* 5:457-61, Nov 73
- Cell-free synthesis of rat growth hormone. Bancroft FC, et al. *Proc Natl Acad Sci USA* 70:3646-9, Dec 73

ANTAGONISTS & INHIBITORS

- Inhibition of growth hormone secretion in the rat by synthetic somatostatin. Brazeau P, et al. *Endocrinology* 91:184-7, Jan 74

BIOSYNTHESIS

- Biosynthesis of growth hormone in the rat anterior pituitary gland. Stimulation of biosynthesis in vitro by insulin. Betteridge A, et al. *Biochem J* 134:1103-13, Aug 73
- Studies on in vitro synthesis and secretion of growth hormone and prolactin. II. Evidence against the existence of precursor molecules. Zanini A, et al. *Endocrinology* 91:104-11, Jan 74
- Cell-free synthesis of rat growth hormone. Bancroft FC, et al. *Proc Natl Acad Sci USA* 70:3646-9, Dec 73
- Effect of anti-mitotic drugs on the in vitro secretory activity of mammotrophs and somatotrophs and on their microtubules. MacLeod RM, et al. *Proc Soc Exp Biol Med* 144:259-67, 1 Oct 73

BLOOD

- Somatotrophic and corticotrophic functions in primary

- hypothyroidism before and after thyroxine treatment. Minozzi M, et al.
Acta Endocrinol (Kbh) 74:483-91, Nov 73
- Plasma growth hormone levels after lunch in diabetic and non-diabetic subjects. Tchobrousky G.
Acta Endocrinol (Kbh) 74:67-78, Sep 73
- Hypoglycaemia in infants and children with cyanotic congenital heart disease. Gács G, et al.
Acta Paediatr Acad Sci Hung 14:105-11, 1973
- Growth hormone and cortisol secretion in man. Laisi U, et al. *Acta Physiol Scand* 89:192-7, Oct 73
- Metabolic and hormonal effects of glucagon infusion in erythroblastotic infants. Milner RD, et al.
Arch Dis Child 48:885-91, Nov 73
- Lack of growth hormone-releasing activity of (pyro)Glu-Ser-Gly-NH₂. Schally AV, et al.
Biochem Biophys Res Commun 55:556-62, 10 Dec 73
- Letter: Growth hormone response in disease. Glass DN, et al. *Br J Cancer* 28:361-2, Oct 73
- Amisriptyline, weight gain and carbohydrate craving: a side effect. Paykel ES, et al.
Br J Psychiatry 123:501-7, Nov 73
- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- Fractionation studies on plasma of normals and patients with Laron dwarfism and hypopituitary gigantism. Bala RM, et al.
Can J Physiol Pharmacol 51:845-32, Nov 73
- Radioimmunoassay of insulin in serum and plasma. Feldman JM, et al. *Clin Chem* 19:1250-4, Nov 73
- Partial and total lipodystrophy: changes in circulating sugar, free fatty acids, insulin and growth hormone following the administration of glucose and of insulin. Boucher BJ, et al.
Clin Endocrinol (Oxf) 2:111-26, Apr 73
- Glucose tolerance and metabolic changes in human viral hepatitis. Record CO, et al.
Clin Sci Mol Med 45:677-90, Nov 73
- A comparative study on the metabolism of human insulin and porcine proinsulin in man. Sönksen PH, et al. *Clin Sci Mol Med* 45:633-54, Nov 73
- Influence of exogenous growth hormone and its antiserum on plasma free fatty acid level in the pigeon. John TM, et al.
Comp Biochem Physiol [A] 46:497-504, 1 Nov 73
- Human growth hormone in pregnancy. Spona J, et al. *Endocrinol Exp (Bratisl)* 7:297-300, 1973
- Effect of synthetic corticotropins on human growth hormone secretion. Takahara J, et al.
Endocrinol Jap 20:411-5, Aug 73
- Effect of catecholamines on plasma growth hormone in dogs. Takahashi K, et al.
Endocrinol Jap 20:323-30, Jun 73
- Inhibition of growth hormone secretion in the rat by synthetic somatostatin. Brazeau P, et al.
Endocrinology 91:184-7, Jan 74
- Studies on the metabolic clearance rate, apparent distribution space and plasma half-disappearance time of unlabelled human growth hormone in normal subjects and in patients with liver disease, renal disease, thyroid disease and diabetes mellitus. Owens D, et al. *Eur J Clin Invest* 3:284-94, Jul 73
- Arginine infusion in obese children. Di Natale B, et al. *Helv Paediatr Acta* 28:331-9, Oct 73
- Plasma growth hormone in coeliac disease. Vanderschueren-Lodeweyckx, et al.
Helv Paediatr Acta 28:349-57, Oct 73
- Fibroblast proliferative activity in the sera of growth hormone deficient patients. August GP, et al.
Horm Metab Res 5:340-1, Sep 73
- Effects of propranolol on GHG secretion after endovenous tolbutamide load in obese subjects. Carducci Artensio A, et al.
Horm Metab Res 5:473-4, Nov 73
- Radioimmunological determination of human chorionic gonadotropin, human placental lactogen, growth hormone and thyrotropin in the serum of mother and child during the early puerperium. Geiger W.
Horm Metab Res 5:342-6, Sep 73
- Antidiuretic effect of clofibrate in therapy of diabetes insipidus. Gennes JL de, et al.
Horm Metab Res 5:461-6, Nov 73
- Plasma disappearance of radiolabelled dog growth hormone in the dog. Kramer MW, et al.
Horm Metab Res 5:470-1, Nov 73
- Growth hormone levels in vitamin B₆-deficient rats. Makris A, et al. *Horm Metab Res* 5:457-61, Nov 73
- Amantadine enhancement of L-DOPA induced growth hormone stimulation. Massara F, et al.
Horm Metab Res 5:454-6, Nov 73
- The different responses of blood amino acids and blood glucose to the administration of insulin to patients with acromegaly. Zimmermann-Telschow H, et al.
Horm Metab Res 5:474-5, Nov 73
- Modification of radioimmunoassay method of human growth hormone estimation. Samuel AM, et al.
Indian J Med Res 61:98-104, Jan 73
- Effects of neuroleptanesthesia on endocrine function in man. Oyama T.
Int Anesthesiol Clin 11:171-84, Fall 73 (19 ref.)
- Plasma levels of insulin, glucose, growth hormone, free fatty acids and amino acids in resting swine. Siers DG, et al. *J Anim Sci* 37:1180-5, Nov 73
- Relation between growth hormone and thioamide derivatives in induction of ornithine decarboxylase in rat liver. Suzuki F, et al.
J Biochem (Tokyo) 74:661-6, Oct 73
- Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74
- Characterization of the glucagon response to hypoglycemia in man. Gerich JE, et al.
J Clin Endocrinol Metab 38:77-82, Jan 74
- Plasma growth hormone and serum phosphorus concentrations in relation to the menopause and to oestrogen therapy. Aitken JM, et al.
J Endocrinol 59:593-8, Dec 73
- Proceedings: L-DOPA as a test of anterior pituitary function. Millar JG, et al.
J Endocrinol 59:xxv-xxvi, Nov 73
- Experience with glibenclamide. Rastogi GK, et al.
J Indian Med Assoc 61:60-2, 1 Jul 73
- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
- Causes of short stature. A community study of children in Newcastle upon Tyne. Lacey KA, et al.
Lancet 1:42-5, 12 Jan 74
- Dietary regulation of human growth hormone secretion. Merimee TJ, et al.
Metabolism 22:1491-7, Dec 73
- Hormonal responses to intravenous alimentation. Luke RG. *N Engl J Med* 289:487, 30 Aug 73
- Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73
- Hormones, amino acids, and malnutrition. *Nutr Rev* 31:306-8, Oct 73 (6 ref.)
- Weill-Marchesani syndrome. Growth hormone, thyroid and chromosome studies. Götz M, et al.
Z Kinderheilkd 116:43-9, 12 Dec 73
- [Glycaemic control of the maternal serum levels of human chorionic somatomammotropin (HCS) during pregnancy (author's transl)] Gaspard U, et al.
Acta Paediatr Belg 27:218-30, 1973 (Eng. Abstr.) (Fre)
- [Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
- [Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D.
Monatsschr Kinderheilkd 121:652-5, Oct 73 (Eng. Abstr.) (Ger)
- [Hypophyseal somatotrophic hormone in pulmonary tuberculosis] Gur'eva IG, et al.
Sov Med 35:115-9, Oct 72 (Eng. Abstr.) (Rus)
- [Study of gluco-lipid metabolism in relation to insulin and growth hormone in obese patients] Durán García S, et al. *Rev Clin Esp* 131:205-12, 15 Nov 73 (Spa)
- [Familial nanism with high levels of immunoreactive STH] Herrera Pombo JL, et al.
Rev Clin Esp 131:149-52, 31 Oct 73 (Spa)

CHEMICAL SYNTHESIS

Synthesis and growth-promoting activity of Nalpa-acetyl-HGH-(95-136). Blake J, et al.
Int J Pept Protein Res 5:123-5, 1973

ISOLATION & PURIFICATION

The use of antisera covalently coupled to agarose, cellulose and sephadex in radioimmunoassay systems for proteins and haptens. Bolton AE, et al.
Biochim Biophys Acta 329:318-30, 5 Dec 73

METABOLISM

Induction of gottre by PTU or KClO₄ in male and

- female rats. Effect of gonadectomy. Jolin T, et al. *Acta Endocrinol (Kbb)* 74:88-104, Sep 73
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al. *Anesth Analg (Cleve)* 52:1003-10, Nov-Dec 73
- Biosynthesis of growth hormone in the rat anterior pituitary gland. Stimulation of biosynthesis in vitro by insulin. Betteridge A, et al. *Biochem J* 134:1103-13, Aug 73
- The histological features and human growth hormone content of the pharyngeal pituitary gland in normal and endocrinologically-disturbed patients. McPhie JL, et al. *Clin Endocrinol (Oxf)* 2:157-73, Apr 73
- Studies on the metabolic clearance rate, apparent distribution space and plasma half-disappearance time of unlabelled human growth hormone in normal subjects and in patients with liver disease, renal disease, thyroid disease and diabetes mellitus. Owens D, et al. *Eur J Clin Invest* 3:284-94, Jul 73
- Whole mammary gland organ culture: selection of appropriate gland. Banerjee MR, et al. *In Vitro* 9:129-33, Sep-Oct 73
- Proceedings: Factors affecting the release and synthesis of teleost pituitary polypeptide hormones. Baker BI, et al. *J Endocrinol* 59:xl, Nov 73
- Isolation and characterization of a pituitary peptidase specifically releasing, from growth hormone, a peptide (somantlin) with antagonistic activity to insulin in vitro. Driver CJ, et al. *J Endocrinol* 59:261-74, Nov 73
- The membrane as transducer in peptide hormone action. Sonenberg M, et al. *J Supramol Struct* 1:356-9, 1973
- Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73
- [Glycaemic control of the maternal serum levels of human chorionic somatomammotropin (HCS) during pregnancy (author's transl)] Gaspard U, et al. *Acta Paediatr Belg* 27:218-30, 1973 (Eng. Abstr.) (Fre)
- [Somatotropin deficiency in Fanconi's anemia] Schettini F, et al. *Haematologica (Pavia)* 58:800-2, 1973 (Ita)
- [Isolated deficiency of anterior pituitary hormone] Kumahara Y, et al. *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)
- [Collagen in endocrine diseases with bone involvement] Ganea E. *Stud Cercet Endocrinol* 24:473-82, 1973 (Rum)

PHARMACODYNAMICS

- The hormonal control of ribonuclease activity in the lymphatic tissue of mice. Maor D, et al. *Acta Endocrinol (Kbb)* 74:201-8, Sep 73
- Effect of dose and administration period of growth hormone on longitudinal bone growth in the hypophysectomized rat. Thorngren KG, et al. *Acta Endocrinol (Kbb)* 74:1-23, Sep 73
- Effect of thyroxine and growth hormone on longitudinal bone growth in the hypophysectomized rat. Thorngren KG, et al. *Acta Endocrinol (Kbb)* 74:24-40, Sep 73
- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol (Kbb)* 74:642-58, Dec 73
- Clinical studies and applications of cyclic nucleotides. Murad F. *Adv Cyclic Nucleotide Res* 3:355-83, 1973 (96 ref.)
- Proceedings: Cardiac responses to pituitary and thyroid hormones. Beznak M, et al. *Br J Pharmacol* 44:333P-334P, Feb 72
- Developmental characteristics of brain catecholamines and tyrosine hydroxylase in the rat: effects of 6-hydroxydopamine. Breese GR, et al. *Br J Pharmacol* 44:210-22, Feb 72
- Influence of exogenous growth hormone and its antiserum on plasma free fatty acid level in the pigeon. John TM, et al. *Comp Biochem Physiol [A]* 46:497-504, 1 Nov 73
- Regulation of rat hexokinase isoenzymes. II. Effects of growth hormone and dexamethasone. Bernstein RS, et al. *Diabetes* 22:923-31, Dec 73
- Growth hormone-induced T cell differentiation. Arrenbrecht S, et al. *Eur J Immunol* 3:601-4, Sep 73
- Human leukemic cells. Effect of human growth hormone. Desai LS, et al. *Exp Cell Res* 81:330-2, Oct 73
- Sodium-retaining bioassay of prolactin in the intact teleost *Tilapia mossambica* acclimated to sea water. Clarke WC. *Gen Comp Endocrinol* 21:498-512, Dec 73
- Fibroblast proliferative activity in the sera of growth

- hormone deficient patients. August GP, et al. *Horm Metab Res* 5:340-1, Sep 73
- Synthesis and growth-promoting activity of Nalpa-acetyl-HGH-(95-136). Blake J, et al. *Int J Pept Protein Res* 5:123-5, 1973
- In vitro studies of the influence of hormones on tail regeneration in adult *Diemictylus viridescens*. Vethamany-Globus S, et al. *J Embryol Exp Morphol* 30:397-413, Oct 73
- Proceedings: Effect of protein hormones on the biosynthesis of dehydroepiandrosterone sulphate by human foetal adrenal tissue in vitro. Isherwood DM, et al. *J Endocrinol* 59:xxxiv-xxxv, Nov 73
- The membrane as transducer in peptide hormone action. Sonenberg M, et al. *J Supramol Struct* 1:356-9, 1973
- Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)
- Cell kinetics of the growth plate in hypophysectomized rats treated with growth hormone and thyroxine. Thorngren KG, et al. *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73
- [Lipolytic effect of porcine somatotrophic hormone on rabbit adipocytes] Vezinhet A. *C R Acad Sci [D] (Paris)* 276:1721-4, 12 Mar 73 (Fre)
- [Anesthesia and brain serotonin increase by pentobarbital following adrenalectomy and continuous administration of growth hormone in rats] Kobayashi M, et al. *Folia Pharmacol Jap* 69:829-33, Sep 73 (Eng. Abstr.) (Jap)
- [Morphological and cytochemical studies on the behavior of Golgi apparatus in the follicular cells of the thyroid gland of guinea pigs under the influence of STH] Finkiewicz-Murawiejska L, et al. *Endokrynol Pol* 24:279-89, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Effect of growth hormone (STH) on the dynamics of antibody formation in animals immunized with RS virus] Wilczyński J, et al. *Med Dosw Mikrobiol* 25:327-33, 1973 (Pol)

PHYSIOLOGY

- Regulation of skeletal growth by sulfation factor. Daughaday WH. *Adv Intern Med* 17:237-63, 1973 (70 ref.)
- Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
- Hormones, amino acids, and malnutrition. *Nutr Rev* 31:306-8, Oct 73 (6 ref.)
- [Chemistry of hypothalamic hypophysiotropic hormones] Kasářík E. *Cesk Farm* 22:364-74, 1973 (Cze)
- [Growth hormone and enzymes] Takeda Y, et al. *Clin Endocrinol (Tokyo)* 21:781-8, Aug 73 (55 ref.) (Jap)
- [Somatomedin--a mediating factor for the action of the growth hormone] Plontek W, et al. *Endokrynol Pol* 24:485-90, Nov-Dec 73 (Eng. Abstr.) (Pol)
- [Hypophyseal somatotrophic hormone in pulmonary tuberculosis] Gur'eva IG, et al. *Sov Med* 35:115-9, Oct 72 (Eng. Abstr.) (Rus)

SECRETION

- Growth hormone and cortisol secretion in man. Lalsi U, et al. *Acta Physiol Scand* 89:192-7, Oct 73
- Proceedings: Effect of corticotrophin and oral corticosteroids on nocturnally released growth hormone. Motson R, et al. *Ann Rheum Dis* 32:595, Nov 73
- Lack of growth hormone-releasing activity of (pyro)Glu-Ser-Gly-NH₂. Schally AV, et al. *Biochem Biophys Res Commun* 55:556-62, 10 Dec 73
- Editorial: Glucagon therapy in acute pancreatitis. *Br Med J* 4:503, 1 Dec 73
- Effects of 7, 12-dimethylbenz(a)anthracene and estrogen on the transplantation and growth of a rat pituitary tumor. Fang VS, et al. *Cancer Res* 34:225-9, Jan 74
- Effect of L-dopa on the secretion of plasma growth hormone in children and adolescents. Laron Z, et al. *Clin Endocrinol (Oxf)* 2:1-7, Jan 73
- Effect of synthetic corticotropins on human growth hormone secretion. Takahara J, et al. *Endocrinol Jap* 20:411-5, Aug 73
- Inhibition of growth hormone secretion in the rat by

SOMATOTROPIN

- synthetic somatostatin. Brazeau P, et al. *Endocrinology* 91:184-7, Jan 74
- Plasma growth hormone in coeliac disease. Vanderschueren-Lodeweyckx, et al. *Helv Paediatr Acta* 28:349-57, Oct 73
- Effects of propranolol on GHG secretion after endovenous tolbutamide load in obese subjects. Carducci Arsenio A, et al. *Horm Metab Res* 5:473-4, Nov 73
- Amantadine enhancement of L-DOPA induced growth hormone stimulation. Massara F, et al. *Horm Metab Res* 5:454-6, Nov 73
- Relation between growth hormone and thioamide derivatives in induction of ornithine decarboxylase in rat liver. Suzuki F, et al. *J Biochem (Tokyo)* 74:661-6, Oct 73
- Stimulation of growth hormone release from superfused rat pituitary by extracts of hypothalamus and of human lung tumours. Beck C, et al. *J Endocrinol* 59:325-33, Nov 73
- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
- Dietary regulation of human growth hormone secretion. Merimee TJ, et al. *Metabolism* 22:1491-7, Dec 73
- Growth hormone and serotonin antagonist. *N Engl J Med* 289:870-1, 18 Oct 73
- Effect of anti-mitotic drugs on the in vitro secretory activity of mammothrophs and somatotrophs and on their microtubules. MacLeod RM, et al. *Proc Soc Exp Biol Med* 144:259-67, 1 Oct 73
- Ultrastructure of STH cells of the pars distalis of castrated male mice after hepatectomy. Echave Llanos JM, et al. *Z Zellforsch Mikrosk Anat* 144:31-5, 30 Oct 73
- [Stimulation of the somatotropin secretion by heat] Kopecký A, et al. *Cesk Pediatr* 28:480-2, Sep 73 (Eng. Abstr.) (Cze)
- [Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D. *Monatsschr Kinderheilkd* 121:652-5, Oct 73 (Eng. Abstr.) (Ger)
- [Influence of cyclic AMP on hypothalamo-hypophyseal regulation of secretion of somatotropin] Peracchi M, et al. *Folia Endocrinol (Roma)* 28:407-11, Oct 73 (Ita)
- [Cerebral amines and pituitary function] Imura H, et al. *Clin Endocrinol (Tokyo)* 21:997-1005, Oct 73 (Jap)

THERAPEUTIC USE

- Fibroblast proliferative activity in the sera of growth hormone deficient patients. August GP, et al. *Horm Metab Res* 5:340-1, Sep 73
- Collaborative study of the effects of human growth hormone in growth hormone deficiency. II. Development and significance of antibodies to human growth hormone during the first year of therapy. Frasler SD, et al. *J Clin Endocrinol Metab* 38:14-8, Jan 74
- [Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D. *Monatsschr Kinderheilkd* 121:652-5, Oct 73 (Eng. Abstr.) (Ger)

URINE

- Continuous blood glucose analysis in ambulatory fed subjects. 3. Nitrogen balance and urinary ketone bodies related to other measurements in the characterization of unstable diabetes. Thomas SK, et al. *Mayo Clin Proc* 49:28-33, Jan 74

THYROTROPIN

- Immunoradiometric and two-site assay of human follicle-stimulating hormone. Readhead C, et al. *J Endocrinol* 59:313-23, Nov 73

ADMINISTRATION & DOSAGE

- Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Korz R, et al. *Clin Nephrol* 1:307-10, Sep-Oct 73

ANALYSIS

- [Localisation by immunofluorescence of secretions related to thyrotropins, gonadotropins and

PITUITARY

- corticotropins in axolotl pituitary (Amhystoma mexicanum, Shaw (author's transl)) Hauser-Gunshour N, et al. *Z Zellforsch Mikrosk Anat* 142:539-48, 1973 (Eng. Abstr.) (Fre)

ANTAGONISTS & INHIBITORS

- Effects of prostaglandin antagonists on the induction of cyclic 3',5'-adenosine monophosphate formation and thyroid hormone secretion in vitro. Burke G. *Endocrinology* 91:91-6, Jan 74

BLOOD

- Serum thyrotrophin response to thyrotrophin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Gordin A, et al. *Acta Endocrinol (Kbh)* 74:111-21, Sep 73
- Induction of goitre by PTU or KClO₄ in male and female rats. Effect of gonadectomy. Jolin T, et al. *Acta Endocrinol (Kbh)* 74:88-104, Sep 73
- Endocrine changes before and after the menarche. IV. Serum thyrotrophin in female adolescents. Lamberg BA, et al. *Acta Endocrinol (Kbh)* 74:695-702, Dec 73
- Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al. *Acta Endocrinol (Kbh)* 74:492-500, Nov 73
- Pathophysiology of Himalayan endemic goitre. Karmarkar MG, et al. *Acta Endocrinol [Suppl] (Kbh)* 38-9, 1973
- Serum thyrotrophin in levels and response to TRH in the endemic goiter region of Israel. Lewitus Z, et al. *Acta Endocrinol [Suppl] (Kbh)* 49-50, 1973
- TSH response to synthetic TRH in endemic goitre. Pinchera A, et al. *Acta Endocrinol [Suppl] (Kbh)* 51-2, 1973
- Thyroid function through pregnancy and in the fetus and newly born from a goiter endemic in Peru. Pretell EA. *Acta Endocrinol [Suppl] (Kbh)* 28, 1973
- Total serum T3 and TSH response to TRH stimulation in patients with endemic goiter. Scriba PC, et al. *Acta Endocrinol [Suppl] (Kbh)* 53-4, 1973
- Effect of acute exposure to cold on blood thyrotrophin (TSH) and corticosterone concentrations in the rabbit. Leppäluoto J, et al. *Acta Physiol Scand* 89:423-8, Nov 73
- Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. *Am J Clin Nutr* 27:96-103, Jan 74
- Thyrotrophin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73
- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- Serum thyrotrophin and hypothyroidism during lithium therapy. Lindstedt G, et al. *Clin Chim Acta* 48:127-33, 12 Oct 73
- Thyroid function in the neonate. Chan V, et al. *Clin Endocrinol (Oxf)* 2:333-7, Oct 73
- Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. Faglia G, et al. *Clin Endocrinol (Oxf)* 2:207-10, Jul 73
- Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. Fairclough PD, et al. *Clin Endocrinol (Oxf)* 2:351-9, Oct 73
- Trilodothyronine. Hoffenberg R. *Clin Endocrinol (Oxf)* 2:75-87, Jan 73 (79 ref.)
- An assessment of plasma TSH radioimmunoassay and of the TSH stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism. Irvine WJ, et al. *Clin Endocrinol (Oxf)* 2:135-9, Apr 73
- The effect of surgical operation of moderate severity on thyroid function. Kirby R, et al. *Clin Endocrinol (Oxf)* 2:28-99, Apr 73
- Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. Kohler H, et al. *Clin Endocrinol (Oxf)* 2:327-32, Oct 73
- Serum thyrotrophin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al. *Clin Endocrinol (Oxf)* 2:219-25, Jul 73
- Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. *Clin Endocrinol (Oxf)* 2:369-76, Oct 73

- Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
- The role of triiodothyronine (T3) in the maintenance of euthyroidism in endemic goitre. Pharaoh PO, et al. *Clin Endocrinol (Oxf)* 2:193-9, Jul 73
- Plasma thyrotrophin and its response to thyrotrophin releasing hormone in endemic goitre. Rastogi GK, et al. *Clin Endocrinol (Oxf)* 2:153-6, Apr 73
- The effect of thyrotrophin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:289-95, Jul 73
- Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:127-34, Apr 73
- Thyrotrophin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al. *Endocrinology* 91:188-97, Jan 74
- Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. Faglia G, et al. *Folia Endocrinol (Roma)* 28:245-56, Aug 73
- Radioimmunological determination of human chorionic gonadotropin, human placental lactogen, growth hormone and thyrotrophin in the serum of mother and child during the early puerperium. Gelger W. *Horm Metab Res* 5:342-6, Sep 73
- Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74
- Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al. *J Clin Endocrinol Metab* 38:58-63, Jan 74
- Secondary hypopituitarism: evidence for continuing regulation of hormone release. Woolf PD, et al. *J Clin Endocrinol Metab* 38:71-6, Jan 74
- The usefulness of thyrotrophin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al. *Kobe J Med Sci* 19:13-22, Mar 73
- Causes of short stature. A community study of children in Newcastle upon Tyne. Lacey KA, et al. *Lancet* 1:42-5, 12 Jan 74
- Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. Cevallos JL, et al. *N Engl J Med* 290:141-3, 17 Jan 74
- Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73
- Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73
- A case of triiodothyronine-secreting with hypo-metabolism. Sakurada T, et al. *Tohoku J Exp Med* 110:319-27, Aug 73
- Radioimmunoassay of triiodothyronine. Sakurada T, et al. *Tohoku J Exp Med* 110:329-40, Aug 73
- [Adrenocortical insufficiency as a result of isolated corticotrophin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al. *Dtsch Med Wochenschr* 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
- [Letter: Are patients with increased serum TSH euthyretic?] Scriba PC. *Dtsch Med Wochenschr* 98:2219, 16 Nov 73 (Ger)
- [Determination of thyreotropic hormone by radioimmunoassay] Földes J, et al. *Orv Hetil* 114:3140-5, 30 Dec 73 (Hun)
- [Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotrophin releasing hormone (TRH)] Silvestrini F, et al. *Folia Endocrinol (Roma)* 28:398-406, Oct 73 (Ita)
- [Experimental and clinical evaluation of HTSH kit, no.1] Nihel R, et al. *Clin Endocrinol (Tokyo)* 21:1047-55, Oct 73 (Jap)
- [Influence of glucocorticoids on thyroid stimulating hormone (TSH) secretion in man (author's transl)] Otsuki M, et al. *J Jap Soc Intern Med* 62:1348-51, Oct 73 (Jap)
- [Radioimmune method for determination of thyrotrophic hormone in rat's blood plasma] Morozova LG, et al. *Probl Endokrinol (Mosk)* 19:82-4, Nov-Dec 73 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

- The leakage phenomenon in thyroid nodules. Rösler H, et al. *Acta Endocrinol [Suppl] (Kbh)* 80:1, 1973

- Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)
- Diagnosing thyroid disease by selected laboratory tests. Wahner HW. *Geriatrics* 29:83-6 passim, Jan 74
- Sequential pathophysiological effects of ionizing radiation on the beagle thyroid gland. Lu ST, et al. *J Natl Cancer Inst* 51:419-41, Aug 73

ISOLATION & PURIFICATION

- The use of antisera covalently coupled to agarose, cellulose and sephadex in radioimmunoassay systems for proteins and haptens. Bolton AE, et al. *Biochim Biophys Acta* 329:318-30, 5 Dec 73

METABOLISM

- Reduced sensitivity of the thyroid to thyrotrophic hormone and LATS following treatment with antimicrosomal antibodies. Földes J, et al. *Acta Endocrinol (Kbh)* 74:875-84, Dec 73
- Biochemical defects in thyroid hormone synthesis and their relation to endemic goitre. DeGroot LJ. *Acta Endocrinol [Suppl] (Kbh)* 34-5, 1973
- The nodularity of nodular goitre. Taylor S. *Acta Endocrinol [Suppl] (Kbh)* 59-60, 1973
- Synthesis of analogs of the thyrotrophin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Sievertsson H, et al. *Acta Pharm Suec* 10:297-308, Sep 73
- Prolactin secretion is specifically inhibited by nickel. LaBella FS, et al. *Nature* 245:330-2, 12 Oct 73
- [Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotrophin releasing hormone (TRH)] Silvestrini F, et al. *Folia Endocrinol (Roma)* 28:398-406, Oct 73 (Ita)
- [Isolated deficiency of anterior pituitary hormone] Kumahara Y, et al. *Jap J Clin Med* 31:2512-7, 10 Aug 73 (Jap)

PHARMACODYNAMICS

- Demonstration of thyroglobulin in lymph vessels of TSH stimulated guinea pigs by the indirect immunofluorescence technique. Böcker W, et al. *Acta Endocrinol (Kbh)* 74:666-74, Dec 73
- Reduced sensitivity of the thyroid to thyrotrophic hormone and LATS following treatment with antimicrosomal antibodies. Földes J, et al. *Acta Endocrinol (Kbh)* 74:875-84, Dec 73
- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol (Kbh)* 74:642-58, Dec 73
- Thyroid function studies in normal and cold-exposed rabbits using 125I. Carlson LD, et al. *Acta Physiol Scand* 89:359-73, Nov 73
- The influence of extracellular calcium ion on hormone-activated lipolysis. Schimmel RJ. *Biochim Biophys Acta* 326:272-8, 29 Nov 73
- Effects of prostaglandin antagonists on the induction of cyclic 3',5'-adenosine monophosphate formation and thyroid hormone secretion in vitro. Burke G. *Endocrinology* 91:91-6, Jan 74
- Changes in thyroid ribonucleic acid, ribonucleases and alkaline ribonuclease inhibitor. Murthy PV, et al. *Endocrinology* 91:74-81, Jan 74
- The thyroid and age. Frolkis VV, et al. *Exp Gerontol* 8:285-96, Oct 73
- Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74
- TSH stimulation of 32P incorporation into phospholipids of thyroids from patients with Graves' disease. Schneider PB. *J Clin Endocrinol Metab* 38:148-50, Jan 74
- [Activation of adenyl cyclase in the bovine thyroid plasma membrane with TSH, LATS and prostaglandin E2] Sato S, et al. *Clin Endocrinol (Tokyo)* 21:725-9, Jul 73 (Jap)
- Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. Kohler H, et al. *Clin Endocrinol (Oxf)* 2:327-32, Oct 73
- [Chemistry of hypothalamic hypophysiotropic hormones] Kasafrek E. *Cesk Farm* 22:364-74, 1973 (Cze)
- [Thyroid pathology of hypothalamic origin] Muñóz M, et al.

PHYSIOLOGY

THYROTROPIN

Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.)
(Eng. Abstr.) (Spa)

SECRETION

- Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)
- Stimulation of TSH release and glucose oxidation in pituitaries from thyroidectomized rats by thyrotrophin releasing factor (TRF). Dubovsky EV, et al. *Ala J Med Sci* 10:270-7, Jul 73
- Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. Faglia G, et al. *Clin Endocrinol (Oxf)* 2:207-10, Jul 73
- Serum thyrotrophin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al. *Clin Endocrinol (Oxf)* 2:219-25, Jul 73
- The effect of thyrotrophin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:289-95, Jul 73
- Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Korz R, et al. *Clin Nephrol* 1:307-10, Sep-Oct 73
- Synthetic luteinizing hormone releasing factor. Short chain analogs. Rivier J, et al. *J Med Chem* 17:230-3, Feb 74
- [Effects of glucocorticoid on TSH secretion-clinical and experimental evaluation using synthetic TRF] Otsuki M, et al. *Clin Endocrinol (Tokyo)* 21:1039-44, Oct 73 (Jap)
- [Influence of glucocorticoids on thyroid stimulating hormone (TSH) secretion in man (author's transl)] Otsuki M, et al. *J Jap Soc Intern Med* 62:1346-51, Oct 73 (Jap)
- [Thyroid pathology of hypothalamic origin] Muñoz M, et al. *Rev Iber Endocrinol* 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

VASOPRESSIN

- Model-building of neurohypophyseal hormones. Honig B, et al. *J Mol Biol* 80:277-95, 25 Oct 73
- [Synthesis of a cystine peptide with structural characteristics of lysine-vasopressin] Rimpler M. *Naturwissenschaften* 60:520, Nov 73 (Ger)

ADMINISTRATION & DOSAGE

- Selective superior mesenteric arterial infusion of vasopressin during portosystemic shunt operations. Nusbaum M, et al. *Am J Surg* 127:35-9, Jan 74
- Treatment with new synthetic analogue of vasopressin in diabetes insipidus. Nash H. *Arch Dis Child* 48:979-80, Dec 73
- Lymphadenopathy following repeated oil-based injections. Ahmed A, et al. *J Pathol* 111:207-8, Nov 73
- Antidiuretic action of l-deamino-(8-D-arginine)-vasopressin in unanesthetized rats. Vávra I, et al. *J Pharmacol Exp Ther* 188:241-7, Jan 74
- A new vasopressin analogue and fibrinolysis. Gader AM, et al. *Lancet* 2:1417-8, 22 Dec 73
- Association between vasopressin and corticosteroids in the palliative treatment of advanced breast cancer. Bernard-Weil E, et al. *Oncology* 28:492-508, 1973

ADVERSE EFFECTS

- Effect of vasopressin administration on renal haemodynamic changes in rats treated with ACTH. László FA, et al. *Res Exp Med (Berl)* 161:195-202, 22 Oct 73

ANALYSIS

- The influence of triamcinolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypophysis into blood. Lešnik H, et al. *Endokrynol Pol* 24:479-83, Nov-Dec 73

ANTAGONISTS & INHIBITORS

- Some aspects of the inhibition of the action of antidiuretic hormone by lithium ions in the rat kidney

PITUITARY

- and bladder of the toad *Bufo marinus*. Harris CA, et al. *Br J Pharmacol* 44:223-32, Feb 72
- (1-Beta-mercapto-beta,beta-diethylpropionil acid)-8-lysine-vasopressin, a potent inhibitor of 8-lysine-vasopressin and of oxytocin. Dyckes DF, et al. *J Med Chem* 17:250-2, Feb 74

BLOOD

- Direct ultrasonic irradiation of the hypophysis in diabetic retinopathy. Ricci V, et al. *Arch Klin Exp Ohren Nasen Kehlkopfheilkd* 204:237-48, 12 Oct 73
- Antidiuretic hormone and water conservation in desert rodents. el-Husselni M, et al. *Comp Biochem Physiol [A]* 47:347-50, Jan 74
- The influence of triamcinolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypophysis into blood. Lešnik H, et al. *Endokrynol Pol* 24:479-83, Nov-Dec 73
- Effect of electroconvulsive therapy on the antidiuretic hormone level in the plasma of schizophrenic patients. Narang RL, et al. *Indian J Med Res* 61:766-76, May 73
- Antidiuretic hormone levels in patients with weight gain after chlorpromazine therapy. Sbäh DK, et al. *Indian J Med Res* 61:771-6, May 73
- The effect of a bradykinin potentiating nonapeptide (BPP9a) on prolonged haemorrhagic shock in dogs. Errington ML, et al. *J Physiol (Lond)* 233:46P-47P, Aug 73

CHEMICAL SYNTHESIS

- Synthesis and some pharmacological properties of 8-epsilon-hydroxynorleucine-vasopressin. Dreyfuss P. *J Med Chem* 17:252-5, Feb 74
- (1-Beta-mercapto-beta,beta-diethylpropionil acid)-8-lysine-vasopressin, a potent inhibitor of 8-lysine-vasopressin and of oxytocin. Dyckes DF, et al. *J Med Chem* 17:250-2, Feb 74
- Synthesis and hormonal activities of 8-L-homonorleucine-vasopressin. Flink ML, et al. *J Med Chem* 16:1324-6, Dec 73

METABOLISM

- Circulatory control via vagal afferents. VI. The bleeding bradycardia in the rat, its elicitation and relation to the release of vasopressin. Sjöstrand T. *Acta Physiol Scand* 89:39-50, Sep 73
- Physiology of body fluids and electrolytes. Broadbury MW. *Br J Anaesth* 45:937-44, Sep 73 (37 ref.)
- Hyponatraemia and sick cells. Fleck CT, et al. *Br J Anaesth* 45:976-94, Sep 73 (104 ref.)
- Editorial: Nourishment in illness. *Br J Anaesth* 45:935-6, Sep 73
- Degeneration and regeneration of neurosecretory systems. Dellmann HD. *Int Rev Cytol* 36:215-315, 1973 (153 ref.)
- Mechanism of suppression of vasopressin during alpha-adrenergic stimulation with norepinephrine. Berl T, et al. *J Clin Invest* 53:219-27, Jan 74
- [Physiopathology of water-electrolyte disorders in cardiac insufficiency] Guedon J, et al. *Acta Cardiol (Brux) Suppl* 17:25-40, 1973 (Eng. Abstr.) (Fre)
- [Chlorpropamide in diabetes mellitus] Haugen HN. *Tidsskr Nor Laegeforen* 93:1601-2, 20 Aug 73 (Eng. Abstr.) (Nor)

PHARMACODYNAMICS

- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol (Kbh)* 74:642-58, Dec 73
- Circulatory control via vagal afferents. VI. The bleeding bradycardia in the rat, its elicitation and relation to the release of vasopressin. Sjöstrand T. *Acta Physiol Scand* 89:39-50, Sep 73
- Clinical studies and applications of cyclic nucleotides. Murad F. *Adv Cyclic Nucleotide Res* 3:355-83, 1973 (96 ref.)
- Selective superior mesenteric arterial infusion of vasopressin during portosystemic shunt operations. Nusbaum M, et al. *Am J Surg* 127:35-9, Jan 74
- Ornipressin (POR. 8) for haemostatic infiltration in neurosurgery. Torda TA, et al. *Anaesth Intensive Care* 1:141-3, Nov 72
- The action of polypeptides, amines and prostaglandins

on isolated smooth muscle preparations of seminal vesicles and deferent ducts. Negri L, et al. *Arch Int Pharmacodyn Ther* 205:23-8, Sep 73

Selective inhibition of angiotensin pressor responses in the pithed rat by tetraethylthiuram disulphide (disulfiram) and sodium diethyldithiocarbamate (DDC). Day MD, et al.

Br J Pharmacol 44:192-202, Feb 72

Effects of infusions of catecholamines, angiotensin, vasopressin and histamine on hepatic blood volume in the anaesthetized cat. Greenway CV, et al.

Br J Pharmacol 44:177-84, Feb 72

Proceedings: Effect of vasopressin and of adenosine triphosphate on the flat preparation of rabbit rectum. MacKay D, et al. *Br J Pharmacol* 44:366P-367P, Feb 72

Antidiuretic hormone and water conservation in desert rodents. el-Husseini M, et al.

Comp Biochem Physiol [A] 47:347-50, Jan 74

Seasonal effects of dehydration in air on urea production in the frog *Rana pipiens*. Jungreis AM. *Comp Biochem Physiol [A]* 47:39-50, Jan 74

The method of intraluminal perfusion of the human small intestine. II. Absorption studies in health. Modigliani R, et al. *Digestion* 9:284-90, Oct 73 (100 ref.)

Effect of neurohypophyseal hormones on FFA mobilization from the adipose tissue in the dehydrated rat. Yano S, et al.

Endocrinol Jap 20:345-7, Jun 73

Selective microvascular constrictor actions of some neurohypophyseal peptides. Altura BM. *Eur J Pharmacol* 24:49-60, Oct 73

Pharmacology of oxytocin-(1-6)-hexapeptide amide, vasopressin-(1-6)-hexapeptide amide and their deamino analogues. Křeřt I, et al.

Eur J Pharmacol 24:179-82, Nov 73

On the role of antidiuretic hormone in volume natriuresis and polyuria in rats. Ponc J, et al. *Experientia* 29:1353, 15 Nov 73

Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74

Radioimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. Croughs RJ, et al.

J Endocrinol 59:439-49, Dec 73

Synthesis and some pharmacological properties of 8-epsilon-hydroxynorleucine-vasopressin. Dreyfuss P. *J Med Chem* 17:252-5, Feb 74

(1-Beta-mercaptop-beta,beta-diethylpropionic acid)-8-lysine-vasopressin, a potent inhibitor of 8-lysine-vasopressin and of oxytocin. Dyckes DF, et al. *J Med Chem* 17:250-2, Feb 74

Synthesis and hormonal activities of 8-L-homonorleucine-vasopressin. Fink ML, et al. *J Med Chem* 16:1324-6, Dec 73

Lesions in the septal nuclei of the rat raise mean systemic arterial pressure and prevent the development of sound-withdrawal hypertension. Marwood JF, et al.

J Pharm Pharmacol 25:614-20, Aug 73

A comparison of the renal effects and metabolism of enflurane and methoxyflurane in Fischer 344 rats. Barr GA, et al.

J Pharmacol Exp Ther 188:257-64, Jan 74

Antidiuretic action of 1-deamino-(8-D-arginine)-vasopressin in unanesthetized rats. Vávra I, et al.

J Pharmacol Exp Ther 188:241-7, Jan 74

The effect of cyclic AMP on membrane permeability. Handler JS. *J Supramol Struct* 1:380-1, 1973

Renal hemodynamic changes associated with antidiuretic actions of chlorpropamide, clofibrate and thiazide in diabetes insipidus. Wada T, et al. *Jap Circ J* 37:935-9, Aug 73

Effect of serotonin, glucagon and other hormones on amylase secretion from rabbit parotid gland. Kojima S, et al. *Jap J Pharmacol* 23:588-91, Aug 73

A new vasopressin analogue and fibrinolysis. Gader AM, et al. *Lancet* 2:1417-8, 22 Dec 73

Role of cyclic AMP in the action of antidiuretic hormone on kidney. Dousa TP. *Life Sci* 13:1033-40, 16 Oct 73 (22 ref.)

Central corticotrophin inhibition by arginine vasotocin in the mouse. Pavel S, et al. *Neuroendocrinology* 12:371-5, 1973

Deviations in body fluids during fasting in rats: failure of ADH treatment and nonnutritive bulk in preventing the occurrence of plasma hypovolemia. Wright JW, et al. *Physiol Behav* 11:791-800, Dec 73

The antidiuretic activity of 2-amino-4-(4-chlorophenyl)-2-imidazoline (MJ 9465-2): probable release of endogenous antidiuretic

hormone (ADH). Deltchman D, et al. *Proc Soc Exp Biol Med* 144:203-9, 1 Oct 73

Inhibition of gastric secretion by insulin. Spencer J. *Scand J Gastroenterol [Suppl]* 8:1-31, 1973

[Non-specific pharmacodynamic action of ADH (8-lysine-vasopressin)] Simionescu S. *Rev Roum Physiol* 10:349-52, 1973 (Pre)

[Effect of neurohypophyseal hormones and insulin on motor activity in the stomach of the scorpion fish *Scorpaena porcus*] Gzgzian DM, et al. *Zh Evti Blokhim Fiziol* 9:301-3, May-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Anaesthesia, surgery and renal function: immediate and delayed effects. Cousins MJ, et al.

Anaesth Intensive Care 1:355-73, Aug 73 (113 ref.)

The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). Bartter FC. *DM* 1-47, Nov 73 (135 ref.)

Stimulation of diencephalon: effect on multi-unit discharge rate of hypothalamic neurons and on the EEG in rabbits. Schulz H, et al.

Endocrinol Exp (Bratisl) 7:251-65, 1973

The composition of maternal plasma and foetal urine after feeding and drinking in chronically catheterized ewes during the last two months of pregnancy. Mellor DJ, et al. *J Physiol (Lond)* 234:519-31, Nov 73

A new vasopressin analogue and fibrinolysis. Gader AM, et al. *Lancet* 2:1417-8, 22 Dec 73

Role of cyclic AMP in the action of antidiuretic hormone on kidney. Dousa TP. *Life Sci* 13:1033-40, 16 Oct 73 (22 ref.)

Respirator-induced fluid shifts. Davis JT. *Rev Surg* 30:449-50, Nov-Dec 73

[Renal component of the antigravity function of the organism] Belkanli GS. *Kosm Biol Med* 6:8-13, Nov-Dec 72 (60 ref.) (Eng. Abstr.) (Rus)

[Edema syndrome in premature infants (a review of the literature)] Marchenko ZM. *Vopr Okhr Materin Det* 18:63-6, Jan 73 (Rus)

SECRETION

Further evidence for the importance of CSF Na⁺ concentration in central control of fluid balance. Olsson K. *Acta Physiol Scand* 88:183-8, Jun 73

Inappropriate antidiuretic hormone-like syndrome associated with an adrenocortical carcinoma. Falchuk KR. *Am J Med Sci* 266:393-5, Nov 73

Plasma ADH increase and thirst suppression elicited by preoptic heating in the dog. Szczepanska-Sadowska E. *Am J Physiol* 226:155-61, Jan 74

Anaesthesia, surgery and renal function: immediate and delayed effects. Cousins MJ, et al.

Anaesth Intensive Care 1:355-73, Aug 73 (113 ref.)

Coma associated with vincristine therapy. Whitaker JA, et al. *Br Med J* 4:335-7, 10 Nov 73

On central control of body fluid homeostasis. Andersson B, et al. *Cond Reflex* 8:147-59, Jul-Sep 73

The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). Bartter FC. *DM* 1-47, Nov 73 (135 ref.)

Effect of low temperature on the release of vasopressin from the isolated bovine neurohypophysis. Hong JS, et al. *Endocrinology* 91:234-40, Jan 74

Degeneration and regeneration of neurosecretory systems. Dellmann HD. *Int Rev Cytol* 36:215-315, 1973 (153 ref.)

Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73

[Antidiuretic hormone hypersecretion syndrome during meningitis in a 21-month-old child] Poullaud JM, et al. *Pediatr* 28:533-46, Jul-Aug 73 (Fre)

[Case of *Pseudomonas aeruginosa* meningitis with the syndrome of inappropriate secretion of ADH] Hirano T, et al. *Jap J Clin Med* 31:2610-3, 10 Aug 73 (Jap)

THERAPEUTIC USE

Acute hemorrhagic pancreatitis in the dog. II. Effect of vasopressin on survival times. Schapiro H, et al. *Am J Dig Dis* 18:1075-8, Dec 73

Selective superior mesenteric arterial infusion of vasopressin during portosystemic shunt operations. Nusbaum M, et al. *Am J Surg* 127:35-9, Jan 74

Treatment with new synthetic analogue of vasopressin

VASOPRESSIN

PITUITARY

- in diabetes insipidus. Nash H.
Arch Dis Child 48:979-80, Dec 73
- Antidiuretic effect of clofibrate and carbamazepine in diabetes insipidus: studies on free water clearance and response to a water load. Bonnici F.
Clin Endocrinol (Oxf) 2:285-75, Jul 73
- Antidiuretic effect of clofibrate in therapy of diabetes insipidus. Gennes JL de, et al.
Horm Metab Res 5:461-6, Nov 73
- Association between vasopressin and corticosteroids in the palliative treatment of advanced breast cancer. Bernard-Weil E, et al. *Oncology* 28:492-508, 1973
- [The Gronblad-Strandberg-Touraine syndrome. Apropos of a case revealed by recurrent gastric hemorrhages (author's transl)] Van Waes L, et al. *Acta Gastroenterol Belg* 36:302-9, Jun 73 (Eng. Abstr.) (Fre)

VASOTOCIN

ADMINISTRATION & DOSAGE

- Central corticotropin inhibition by arginine vasotocin in the mouse. Pavel S, et al.
Neuroendocrinology 12:371-5, 1973

BLOOD

- Changes in blood vasotocin activity during oviposition in the hen. Niezgodna J, et al.
J Reprod Fertil 35:505-9, Dec 73

CEREBROSPINAL FLUID

- Arginine vasotocin release into cerebrospinal fluid of cats induced by melatonin. Pavel S.
Nature [New Biol] 246:183-4, 12 Dec 73

PHARMACODYNAMICS

- Effects of ADH on single-nephron glomerular filtration rates in the avian kidney. Braun EJ, et al.
Am J Physiol 226:1-8, Jan 74
- The effects of methylmercury compounds on the skin (in vitro) of the leopard frog (*Rana pipiens*). Yorio T, et al. *Comp Gen Pharmacol* 4:167-74, Jun 73
- Renal and cloacal salt and water transport in the fowl (*Gallus domesticus*). Skadhauge E.
Dan Med Bull 20:1-82, Oct 73
- Central corticotropin inhibition by arginine vasotocin in the mouse. Pavel S, et al.
Neuroendocrinology 12:371-5, 1973

SECRETION

- Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Eggena P, et al. *Endocrinology* 91:35-44, Jan 74
- Arginine vasotocin release into cerebrospinal fluid of cats induced by melatonin. Pavel S.
Nature [New Biol] 246:183-4, 12 Dec 73

PITUITARY

IV. Related Topics

CYCLOFENIL

ADMINISTRATION & DOSAGE

Stimulation of ovulation with F-6066 cyclofenil:
bis-(p-acetoxypheyl)-cyclohexyldienemethane.
Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973

METABOLISM

Stimulation of ovulation with F-6066 cyclofenil:
bis-(p-acetoxypheyl)-cyclohexyldienemethane.
Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973

PHARMACODYNAMICS

Stimulation of ovulation with F-6066 cyclofenil:
bis-(p-acetoxypheyl)-cyclohexyldienemethane.
Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973

HYPOPHYSECTOMY

Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73
Direct ultrasonic irradiation of the hypophysis in diabetic retinopathy. Ricci V, et al.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd 204:237-48, 12 Oct 73

Proceedings: Non-hormonal cytotoxic agents in the treatment of prostatic adenocarcinoma. Yagoda A. *Cancer* 32:1131-40, Nov 73 (79 ref.)

ACTH and MSH assays and their clinical application. Besser GM.

Clin Endocrinol (Oxf) 2:175-86, Apr 73 (55 ref.)

The hypothalamic-pituitary control of ageing and age-related pathology. Everitt AV.

Exp Gerontol 8:265-77, Oct 73 (104 ref.)

Catalase activity in rat testicular preparations: distribution and changes in activity induced by hypophysectomy and x-irradiation. Buhrlay LE, et al. *Fertil Steril* 24:956-61, Dec 73

No effect of neonatal estrogenic stimulation or hypophysectomy on spontaneous activity in female rats. Stern JJ, et al.

J Comp Physiol Psychol 85:409-12, Nov 73

Basal levels of prolactin in goat blood measured throughout a 24-h period by a rapid double antibody-solid phase radioimmunoassay. Hart IC. *J Dairy Res* 40:235-45, Jun 73

Effects of adenohipophysectomy and aminoglutethimide on water and electrolyte composition of *Xenopus laevis* Daudin. Edwards BR, et al. *J Endocrinol* 59:623-32, Dec 73

Influence of hypophysectomy on the biochemical effects and metabolism of aflatoxin B1 in rats. Friedman L, et al. *J Natl Cancer Inst* 51:479-87, Aug 73

Termination of pregnancy by hypophysectomy in the pig. Kraeling RR, et al. *J Reprod Fertil* 36:215-7, Jan 74

Breast carcinomatosis and treatment. A practical approach to the treatment of disseminated carcinoma of the breast. Plotkin D, et al. *Oncology* 28:509-16, 1973

Survival time and treatment results of patients with disseminated breast cancer especially after adrenalectomy and hypophysectomy. Ratzkowski E, et al. *Oncology* 28:385-97, 1973

Proceedings: Management of advanced breast cancer. Fracchia AA, et al. *Proc Natl Cancer Conf* 7:303-7, 1973

Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)

[Effect of hypophysectomy on the secretion of estrogens by the embryonic gonads of female ducks] Akram H, et al.

Gen Comp Endocrinol 21:543-6, Dec 73 (Eng. Abstr.) (Fre)

[Hormone therapy in cancers of the thyroid and the

mammary gland] Cioson J.
Rev Med Liege 28:671-9, Oct 73 (Fre)
[Hormonal treatment of cancer of the prostate] Maquinay C. *Rev Med Liege* 28:667-71, Oct 73 (Fre)
[Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotropin releasing hormone (TRH)] Silvestrini F, et al.
Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)
[Surgical treatment of complications of diabetes mellitus] Kalinin AP, et al.
Klin Med (Mosk) 51:20-6, May 73 (75 ref.) (Rus)

ADVERSE EFFECTS

Cyclical combination chemotherapy in advanced breast cancer. Edelstyn GA, et al.
Br J Cancer 28:459-61, Nov 73

LACTATION

Serum levels of FSH and LH following normal parturition. Said SA, et al.

Acta Obstet Gynecol Scand 52:361-5, 1973

Environment and animal health in piglet production. A field study of incidences and correlations. Bäckström L. *Acta Vet Scand [Suppl]* 1-240, 1973

Midtrimester abortion induced with a single intra-amniotic instillation of prostaglandin F2 alpha. Lauersen NH, et al.

Am J Obstet Gynecol 118:210-7, 15 Jan 74

Contraception after abortion and post partum. An evaluation of risks and benefits of oral contraceptives with emphasis on the relation of female sex hormones to thromboembolism and genital and breast cancer. Vorherr H.

Am J Obstet Gynecol 117:1002-25, 1 Dec 73 (118 ref.)

Cancer of the breast in pregnancy and lactation. Cheek JH. *Am J Surg* 126:729-31, Dec 73 (18 ref.)

Pharmacokinetic evaluation of penicillin and cephalosporin derivatives in serum and milk of lactating cows and ewes. Ziv G, et al.

Am J Vet Res 34:1561-5, Dec 73

Changes in fat cell morphology during lactation in the mouse. Elias JJ, et al. *Anat Rec* 177:533-47, Dec 73

Influences of manual udder stimulation and oxytocin on mammary artery blood flow in lactating cows. Houvenaghel A, et al.

Arch Int Pharmacodyn Ther 205:124-33, Sep 73

Letter: Metabolism of gold during lactation. Blau SP.

Arthritis Rheum 16:777-8, Nov-Dec 73

Effect of feeding protected lipid on the uptake of precursors of milk fat by the bovine mammary gland.

Gooden JM, et al. *Aust J Biol Sci* 26:1201-10, Oct 73

Effect of high ambient temperature in early and late lactation on litter growth and survival in rats.

Hearnshaw H, et al. *Aust J Biol Sci* 26:1171-8, Oct 73

Nursing mothers. Leeson R.

Australas Nurses J 2:20, Oct 73

Maternal aggression in mice. St. John RD, et al.

Behav Biol 9:635-9, Nov 73

Growth of the mammary gland during pregnancy and lactation in the rabbit. Lu MH, et al.

Biol Reprod 9:538-43, Dec 73

Maternal processes in the cold-adaptation of mice.

Barnett SA. *Biol Rev* 48:477-508, Nov 73 (112 ref.)

Oxytocic activity measurements in blood plasma with some observations on oxytocin disappearance rates in lactating cows. Barowicz T, et al.

Bull Acad Pol Sci [Biol] 21:615-8, 1973

Gene expression in bovine lymphocytes during lactation. Kleczkowska D, et al.

Bull Acad Pol Sci [Biol] 21:629-36, Oct 73

Interactions between age, pregnancy and lactation, and some mechanical properties, of the femora of rats.

Currey JD. *Calcif Tissue Res* 13:99-112, 1973

Thiol-protein disulfide oxidoreductase activity in lactating and non-lactating mouse mammary gland.

Ferrier BM, et al. *Can J Biochem* 51:1555-8, Nov 73

Direct and maternal genetic responses resulting from

- selection for 12-day litter weight in mice. Eisen EJ. *Can J Genet Cytol* 15:483-90, Sep 73
- Observations of serum protein values of cows during estrus, lactation, parturition and milk fever. McLennan MW, et al. *Can Vet J* 14:233-42, Oct 73
- Identification and partial characterization of specific estrogen receptors in the vole (*Microtus montanus*). Beers PC, et al.
- Comp Biochem Physiol [B]* 46:647-52, Dec 73
- A preliminary study upon the use of prostaglandins for inducing oestrus in non-cycling thoroughbred mares. Allen WR, et al. *Equine Vet J* 5:137-40, Oct 73
- Pharmacology of cyclic analogues of deamino-oxytocin not containing a disulphide bond (carba analogues). Barth T, et al. *Eur J Pharmacol* 24:183-8, Nov 73
- Pharmacology of oxytocin-(1-6)-hexapeptide amide, vasopressin-(1-6)-hexapeptide amide and their deamino analogues. Krejčí I, et al.
- Eur J Pharmacol* 24:179-82, Nov 73
- Long-term feeding and reproduction studies on emulsifier YN in rats. Brantom PG, et al.
- Food Cosmet Toxicol* 11:755-69, Oct 73
- Liver components, blood glucose and ketone bodies in fed and starved suckling rats. Aranda A, et al.
- Horm Metab Res* 5:350-5, Sep 73
- Poliovirus antibody in milk and sera of lactating women. John TJ, et al.
- Indian J Med Res* 61:1009-12, Jul 73
- Effect of rams on progestin-treated ewes. Lewis PE, et al. *J Anim Sci* 37:1195-200, Nov 73
- Physicochemical properties of bovine mammary fatty acid synthetase. Maitra SK, et al.
- J Biol Chem* 249:1118-25, 10 Jan 74
- Crotonyl coenzyme A reductase activity of bovine mammary fatty acid synthetase. Maitra SK, et al.
- J Biol Chem* 249:111-7, 10 Jan 74
- Periodic omission of dairy cow milkings. II. Effect on the composition and processing properties of herd milk. Bailey LF, et al. *J Dairy Res* 40:255-61, Jun 73
- Milk triglycerides: the degree of non-random associations of fatty acids. Breach RA, et al.
- J Dairy Res* 40:273-87, Jun 73
- Further short-term studies of the influence of the milking machine on the rate of new mastitis infections. Cousins CL, et al.
- J Dairy Res* 40:289-92, Jun 73
- Seasonal variations in the composition and thermal properties of New Zealand milk fat. I. Fatty-acid composition. Gray IK. *J Dairy Res* 40:207-14, Jun 73
- Basal levels of prolactin in goat blood measured throughout a 24-h period by a rapid double antibody-solid phase radioimmunoassay. Hart IC. *J Dairy Res* 40:235-45, Jun 73
- Periodic omission of dairy cow milkings. I. Effect on milk yield and composition and on udder health. Radcliffe JC, et al. *J Dairy Res* 40:247-54, Jun 73
- Phenobarbital metabolism in the lactating dairy cow. Bennink MR, et al. *J Dairy Sci* 56:1564-6, Dec 73
- Zinc-65 metabolism, secretion into milk, and biological half-life in lactating cows. Neathery MW, et al.
- J Dairy Sci* 56:1526-30, Dec 73
- ¹⁴Carbon 14-labeled palmitic acid metabolism in fasted, lactating goats following nicotinic acid administration. Waterman R, et al.
- J Dairy Sci* 56:1569-74, Dec 73
- Changes in the composition and yield of the mammary secretion of cows during the initiation of lactation. Hartmann PE. *J Endocrinol* 59:231-47, Nov 73
- Proceedings: Prolactin release in the ewe induced by a synthetic tripeptide. Moseley SR, et al.
- J Endocrinol* 59:xiv-xvii, Nov 73
- Unit activity in the paraventricular nucleus of female rats at different stages of the reproductive cycle and after ovariectomy, with or without oestrogen or progesterone treatment. Negoro H, et al.
- J Endocrinol* 59:545-58, Dec 73
- Reflex activation of paraventricular nucleus units during the reproductive cycle and in ovariectomized rats treated with oestrogen or progesterone. Negoro H, et al. *J Endocrinol* 59:559-67, Dec 73
- Proceedings: The influence of lactation on the ovarian response of Bikaneri ewes of different haemoglobin types to pregnant mare serum gonadotrophin administration. Pant HC. *J Endocrinol* 59:48, Nov 73
- Proceedings: Unit activity in the supra-optic nucleus during reflex milk ejection. Wakerley JB, et al.
- J Endocrinol* 59:xvii-xviii, Nov 73
- Comparative study of protein biosynthesis in mice susceptible and resistant to breast cancer. Sheth NA, et al. *J Natl Cancer Inst* 51:1977-9, Dec 73
- The importance of the period of dietary restriction of the dam on behavior and growth in the rat. Hsueh AM, et al. *J Nutr* 104:37-46, Jan 74
- Early postnatal changes in brain composition in progeny of rats fed different levels of dietary pyridoxine. Pang RL, et al. *J Nutr* 104:111-7, Jan 74
- An electrophysiological dissection of the hypothalamic regions which regulate the pre-ovulatory secretion of luteinizing hormone in the rat. Dyer RG. *J Physiol (Lond)* 234:421-42, Oct 73
- The time course of cardiovascular changes in lactation in the rat. Hanwell A, et al.
- J Physiol (Lond)* 233:93-109, Aug 73
- The effects of engorgement with milk and of suckling on mammary blood flow in the rat. Hanwell A, et al.
- J Physiol (Lond)* 233:111-25, Aug 73
- Pro-oestrous surge in plasma progesterone in the cow. Ayalon N, et al. *J Reprod Fertil* 36:239-43, Jan 74
- Proceedings: Comparison of LH levels in post-partum anoestrous and cycling ewes and the effects of synthetic gonadotrophin-releasing factor. Foster JP, et al. *J Reprod Fertil* 35:599-600, Dec 73
- Changes in the concentration of unconjugated oestrone, oestradiol-17 α and oestradiol-17 β in the maternal plasma of the pregnant cow in relation to the initiation of parturition and lactation. Robertson HA. *J Reprod Fertil* 36:1-7, Jan 74
- The concentration of unconjugated oestrone, oestradiol-17 α and oestradiol-17 β in the maternal plasma of the pregnant ewe in relation to the initiation of parturition and lactation. Robertson HA, et al. *J Reprod Fertil* 35:461-8, Dec 73
- Recommended dietary allowances (revised-1973). Harper AE. *Nutr Rev* 31:393-6, Dec 73
- The control of the level of staphylococcal contamination of the bovine udder by shed management. Jones MA, et al.
- NZ Vet J* 20:179-82, Oct 72
- Letter: Fertility and production in dairy cows. Simpson BH. *NZ Vet J* 20:194-5, Oct 72
- Proceedings: Hypotheses regarding the etiology of breast cancer. Cole P.
- Proc Natl Cancer Conf* 7:657-61, 1973 (27 ref.)
- Plasma glucose and acetone concentrations in pregnant and lactating ewes. Davies PJ, et al.
- Proc Nutr Soc* 32:13A-14A, May 73
- Variation in the intestinal dipeptidase activity during pregnancy and lactation in the rat. Rolis BA, et al.
- Proc Nutr Soc* 32:49A, May 73
- Tissue-specific direction of blood metabolites. Williamson DH.
- Symp Soc Exp Biol* 27:283-98, 1973 (31 ref.)
- Efficacy of an antibiotic treatment in the nonlactating udder (a field study). Postle DS, et al.
- Vet Med Small Anim Clin* 68:1241-2 passim, Nov 73
- The effect of feed pattern in lactation and fasting following weaning on reproductive phenomena in the sow. Brooks PH, et al. *Vet Rec* 93:276-80, 8 Sep 73
- Milk ejection in primiparous heifers in the presence of their calves. Peeters G, et al.
- Zentralbl Veterinärmed [A]* 20:531-6, Sep 73
- [Rotersept spray in the prevention of mastitis and rhagades of the nipples (author's transl)] Chmelik V, et al. *Cesk Gynekol* 38:889-90, Nov 73 (Cze)
- [Utilization of food energy for milk production. 6. Energy metabolism in high-yielding dairy cows in the late period of gestation] Henseiler G, et al.
- Arch Tierernähr* 23:353-84, Jul 73 (Eng. Abstr.) (Ger)
- [Utilization of food energy for milk production. 7. Results of energy turnover measurement on the energy content and chemical composition of fertilization products and milk glands in high yielding cows] Henseiler G, et al.
- Arch Tierernähr* 23:567-79, Sep 73 (Eng. Abstr.) (Ger)
- [Site of synthesis of polypeptide-coherin-exerting an influence on intestinal motility] Galasińska-Pomyk I, et al.
- Endokrynol Pol* 24:429-45, Nov-Dec 73 (Eng. Abstr.) (Pol)
- [Some functional characteristics of the genital system preceding the development of breast tumors] Khint EK, et al. *Akush Ginekol (Mosk)* 49:46-8, Mar 73 (Rus)
- [Excretion of lactogenic hormone in the early lactation period (a clinical and experimental study)] Shipokinskaya ON, et al.
- Akush Ginekol (Mosk)* 49:57-9, Aug 73 (Rus)
- [Prolactin levels in the rat's anterior pituitary gland during ontogeny, sexual maturation, pregnancy and lactation] Kreichtl P, et al.

Probl Endokrinol (Mosk) 19:70-6, Nov-Dec 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Effect of contraception on lactation. Gulloff E, et al. *Am J Obstet Gynecol* 118:42-5, 1 Jan 74
- The effect of oxytocin antibodies on the litter size in rats. Kumaresan P. *Am J Obstet Gynecol* 118:68-72, 1 Jan 74
- Contraception after abortion and post partum. An evaluation of risks and benefits of oral contraceptives with emphasis on the relation of female sex hormones to thromboembolism and genital and breast cancer. Vorherr H. *Am J Obstet Gynecol* 117:1002-25, 1 Dec 73 (118 ref.)
- Pharmacology of three mammatropic butyrophenes in the rat. Givant Y, et al. *Arch Int Pharmacodyn Ther* 205:317-27, Oct 73
- The effect of the ergoline derivative VUFB-6683 on the adenohipophysial prolactin concentration in rats. Krejčí P, et al. *Experientia* 29:1262-3, 15 Oct 73
- Dietary fat composition and tocopherol requirement. IV. Safety of polyunsaturated fats. Alfin-Slater RB, et al. *J Am Oil Chem Soc* 50:479-84, Dec 73
- The effects of increasing amounts of dietary tallow on milk-fat secretion in the cow. Storry JE, et al. *J Dairy Res* 40:293-9, Jun 73
- Residual milk yield as affected by dose and time of injection of oxytocin. Thompson PD, et al. *J Dairy Res* 40:221-7, Jun 73
- Effect of maternal fluoride intake on preweaning bone fluoride concentrations in mice. Messer HH, et al. *J Dent Res* 53:145, Jan-Feb 74
- Progesterone and oestrogen and the initiation of lactation in ewes. Hartmann PE, et al. *J Endocrinol* 59:249-59, Nov 73
- Proceedings: Gonadotrophin secretion in lactating women: response to luteinizing hormone releasing hormone-follicle-stimulating hormone releasing hormone in the puerperium. Jequier AM, et al. *J Endocrinol* 59:xiv, Nov 73
- Effect of haloperidol on serum prolactin and milk yield in the dairy ewe. Shanl J, et al. *J Endocrinol* 59:363-4, Nov 73
- The effect of D-aldosterone and spironolactone on the concentration of sodium and potassium in the milk of rats. Yagil R, et al. *J Endocrinol* 59:633-6, Dec 73
- Intravascular coagulation during pregnancy and the puerperium. Hyde E, et al. *J Obstet Gynaecol Br Commonw* 80:1059-66, Dec 73
- Frusemide as inhibitor of prolactin action. Manku MS, et al. *Lancet* 2:1261-2, 1 Dec 73
- A new method of inhibition of lactation. Llewellyn-Jones D, et al. *Med J Aust* 2:780-1, 20 Oct 73
- Effect of ethanol on growth of neonate mice as a function of modes of ethanol administration. Collard ME, et al. *Q J Stud Alcohol* 34:1323-6, Dec 73

- Comparative effect of carbaryl on rat reproduction and guinea pig teratology when fed either in the diet or by stomach intubation. Well CS, et al. *Toxicol Appl Pharmacol* 26:621-38, Dec 73
- Toxicity studies on tetrasul. I. Acute, long-term and reproduction studies. Verschuuren HG, et al. *Toxicology* 1:63-78, Mar 73
- [Effect of Lysenyl on lactation during the puerperium (author's transl)] Střibrný J, et al. *Cesk Gynecol* 38:688-9, Nov 73 (Cze)
- [Reproduction-toxicologic studies on ascorbic acid in mice and rats] Frohberg H, et al. *Arzneim Forsch* 23:1081-2, Aug 73 (Eng. Abstr.) (Ger)
- [Controlled studies on the efficacy of various hormonal treatments in suppression of lactation] Amorfini U, et al. *Ann Ostet Gynecol Med Perinat* 93:599-604, Aug 72 (Eng. Abstr.) (Ita)

RADIATION EFFECTS

- [Transfer of nuclear fission products to cow's milk via one-time and chronic oral intake] Sirotkin AN, et al. *Gig Sanit* 38:108-10, Jun 73 (Rus)

SOMATOMEDIN

BIOSYNTHESIS

- [Somatomedin--a mediating factor for the action of the growth hormone] Plontek W, et al. *Endokrynol Pol* 24:485-90, Nov-Dec 73 (Eng. Abstr.) (Pol)

BLOOD

- Regulation of skeletal growth by sulfation factor. Daughaday WH. *Adv Intern Med* 17:237-63, 1973 (70 ref.)
- Fractionation studies on plasma of normals and patients with Laron dwarfism and hypopituitary gigantism. Bala RM, et al. *Can J Physiol Pharmacol* 51:845-52, Nov 73

PHYSIOLOGY

- Regulation of skeletal growth by sulfation factor. Daughaday WH. *Adv Intern Med* 17:237-63, 1973 (70 ref.)
- [Somatomedin--a mediating factor for the action of the growth hormone] Plontek W, et al. *Endokrynol Pol* 24:485-90, Nov-Dec 73 (Eng. Abstr.) (Pol)

THYROID

1. Physical and Functional Aspects

THYROID GLAND

- Microsomal antihodies in active chronic hepatitis and other disorders. Rizzetto M, et al.
Clin Exp Immunol 15:331-44, Nov 73
- Cytopathic factors in bacteria-free lysates of *Escherichia coli*. Rutter JM, et al.
J Med Microbiol 6:565-71, Nov 73
- Fine structural aspects of nuclear division and merogony of *Elmeria ninakohiyakimovae* in cultured cells. Kelley GL, et al. *J Parasitol* 59:1071-9, Dec 73
- An alternative in management of lingual thyroid: excision with implantation. Danis RK.
J Pediatr Surg 5:869-70, Dec 73
- The thyroid cork. Obstruction of the thoracic inlet due to retroclavicular goiter. Blum M, et al.
JAMA 227:189-91, 14 Jan 74
- [Thyroid scintigraphy following thyroidectomy] Hara M, et al.
Jap J Nucl Med 10:405-12, Aug 73 (Eng. Abstr.) (Jap)

ABNORMALITIES

- Adenoma of the lingual thyroid. Mohanty B, et al.
J Indian Med Assoc 61:134-6, 1 Aug 73
- [An error to be avoided: excision of an ectopic thyroid] Castel Y, et al. *Cah Med* 14:453-5, 15 Jun 73 (Fre)
- [Ectopic thyroid gland] Schönherger A, et al.
Dtsch Zahn Mund Kieferheilkd 61:85-92, Aug 73 (Eng. Abstr.) (Ger)
- [Lingual thyroid: with special reference to clinical experience in 6 cases] Kida T, et al.
Jap J Clin Radiol 18:617-23, Sep 73 (Jap)

ANALYSIS

- Demonstration of thyroglobulin in lymph vessels of TSH stimulated guinea pigs by the indirect immunofluorescence technique. Böcker W, et al.
Acta Endocrinol (Kbh) 74:866-74, Dec 73
- Calcitonin and iodinated hormones in sheep. Barlet JP, et al. *Horm Metab Res* 5:475-6, Nov 73
- Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. Björkman U, et al.
J Ultrastruct Res 45:231-53, Nov 73
- C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al.
N Engl J Med 289:437-41, 30 Aug 73
- Bacterial invasion of the urinary tract by way of the vaginal route in the rat. Dierauf LA, et al.
Surg Gynecol Obstet 138:62-4, Jan 74
- A case of triiodothyronine-secreter with hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73
- [Comparison of histometrical parameters in rat thyroids following application of methylthiouracil] Messow C, et al.
Arzneim Forsch 23:1076-9, Aug 73 (Eng. Abstr.) (Ger)

ANATOMY & HISTOLOGY

- Induction of goitre by PTU or KCIO₄ in male and female rats. Effect of gonadectomy. Jolín T, et al.
Acta Endocrinol (Kbh) 74:88-104, Sep 73
- Results of longterm iodine prophylaxis of endemic goiter in Yugoslavia. Ramzin SK, et al.
Acta Endocrinol [Suppl] (Kbh) 105-7, 1973
- The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
- Morphological and functional maturation of the thyroid

- during early development of anuran larvae. Hanaoka Y, et al. *Gen Comp Endocrinol* 21:410-23, Dec 73
- Thyroidal morphogenesis and hiosynthesis of thyroglobulin before and after metamorphosis in the lamprey, *Lampetra reissneri*. Suzuki S, et al.
Gen Comp Endocrinol 21:451-60, Dec 73
- The thyroid cork. Obstruction of the thoracic inlet due to retroclavicular goiter. Blum M, et al.
JAMA 227:189-91, 14 Jan 74
- [The thyroid gland scintigram as a method for determination of the thyroid gland size in children from endemic goiter districts] Berger H, et al.
Acta Endocrinol [Suppl] (Kbh) 71-2, 1973 (Ger)
- [Comparison of histometrical parameters in rat thyroids following application of methylthiouracil] Messow C, et al.
Arzneim Forsch 23:1076-9, Aug 73 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

- The use of ¹³³Xe clearance method in measurement of the blood flow in thyroid nodules. Rekonen A, et al.
Ann Clin Res 5:220-4, Aug 73
- Cervical arteriovenous fistulae for maintenance hemodialysis. A new technique. Shepherd RL, et al.
Nephron 11:7-10, 1973
- [Role of thyroid vessels and connective tissue in the morphogenesis of nodular goiter] Prokopchuk VS.
Arkh Patol 35:30-5, 1973 (Eng. Abstr.) (Rus)
- [Arteriography in cancer of the thyroid gland] Kuchinskii GA, et al.
Vestn Rentgenol Radiol 48:67-73, Jul-Aug 73 (Eng. Abstr.) (Rus)

CYTOLOGY

- Reduced sensitivity of the thyroid to thyrotropic hormone and LATS following treatment with antimicrosomal antihodies. Földes J, et al.
Acta Endocrinol (Kbh) 74:875-84, Dec 73
- Stimulating effect of dibutyryl cyclic adenosine 3',5' monophosphate on protein synthesis in a thyroidal cell-free system at low potassium and sodium concentrations. Wägar G.
Acta Endocrinol (Kbh) 74:711-22, Dec 73
- Solid cell nest (SCN) of the human thyroid gland. Yamaoka Y. *Acta Pathol Jap* 23:493-506, Aug 73
- Cell-free peptide synthesis and carbohydrate incorporation by various thyroid particles. Bouchilloux S, et al.
Biochim Biophys Acta 322:401-20, 18 Oct 73
- Sodium dodecyl sulfate-polyacrylamide gel electrophoresis of thyroglobulin-related components synthesized in vitro. Roques M, et al.
Biochim Biophys Acta 322:437-47, 18 Oct 73
- Immunochemical characterization of thyroglobulin-related components synthesized in cell-free systems. Torresani J, et al.
Biochim Biophys Acta 322:421-36, 18 Oct 73
- Translation in *Xenopus* oocytes of thyroglobulin mRNA isolated by poly(U)-Sepharose affinity chromatography. Vassart G, et al.
Biochim Biophys Acta 324:575-80, 14 Nov 73
- Circulating lymphocyte subpopulations in Hashimoto thyroiditis. Urbaniak SJ, et al.
Clin Exp Immunol 15:345-54, Nov 73
- Some histochemical reactions of C cells in the rabbit thyroid gland. Mlektewski K, et al.
Folia Morphol (Warsz) 32:245-9, Jul 73
- A comparative study of the normal human neonatal and

- the canine thyroid C cell. Roediger WE.
J Anat 115:255-78, Jul 73
- Studies on the biochemical properties of human thyroid gland mitochondria. Inatsuki B, et al.
J Biochem (Tokyo) 74:837-48, Oct 73
- Crystals in dense bodies in the typical thyroid epithelial cell of the I mouse. Nève P, et al.
J Natl Cancer Inst 51:659-65, Aug 73
- Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. Björkman U, et al.
J Ultrastruct Res 45:231-53, Nov 73
- Partial purification and some properties of thyroid peroxidase solubilized by extraction with n-butanol. Davidson B, et al. *Prep Biochem* 3:473-93, 1973
- Partial purification and some properties of thyroid peroxidase solubilized by alkaline treatment. Neary JT, et al. *Prep Biochem* 3:495-508, 1973
- Stimulation of organ specific and non-organ specific antigens on the surface of thyroid cells by phytohaemagglutinin P. Jonsson J, et al.
Scand J Immunol 2:239-50, 1973
- Toxicity studies on tetraol. I. Acute, long-term and reproduction studies. Verschuren HG, et al.
Toxicology 1:63-78, Mar 73
- [Spin-lattice relaxation times of the cellular protons of water in normal and cancerous human tissues (author's transl)] Schmidt K, et al.
Z Krebsforsch 80:209-22, 6 Dec 73 (Eng. Abstr.) (Ger)
- [Morphological and cytochemical studies on the behavior of Golgi apparatus in the follicular cells of the thyroid gland of guinea pigs under the influence of STH] Finkiewicz-Murawiejska L, et al.
Endokrynol Pol 24:279-89, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Ultrastructural changes in thyroid gland cells during different schedules of intermediate administration] Dub VI, et al. *Biol Nauki* 112:29-34, 1973 (Rus)
- [Thyroid gland of the sturgeon *Acipenser guldenstädti* before and after spawning and during its exposure to a sodium chloride hypertonic solution] Iakovleva IV, et al.
Zh Evol Biokhim Fiziol 9:85-9, Jan-Feb 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Reduced sensitivity of the thyroid to thyrotrophic hormone and LATS following treatment with antimicrosomal antibodies. Földes J, et al.
Acta Endocrinol (Kbh) 74:875-84, Dec 73
- Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
- Biochemical studies on endemic goiter glands before and one year after an injection of iodized oil. Medeiros-Neto GA, et al.
Acta Endocrinol [Suppl] (Kbh) 97-8, 1973
- Synthesis of analogs of the thyrotropin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Sievertsson H, et al.
Acta Pharm Suec 10:297-308, Sep 73
- Thyroid function studies in normal and cold-exposed rabbits using 125I. Carlson LD, et al.
Acta Physiol Scand 89:359-73, Nov 73
- Studies on iodine concentration in psammoma bodies in the thyroids of chronically iodine-deficient rats: effect of iodine repletion. Greer MA, et al.
Am J Pathol 73:775-88, Dec 73
- Substances that inhibit the actions of prostaglandins. Sanner JH.
Arch Intern Med 133:133-46, Jan 74 (210 ref.)
- Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. Kohler H, et al. *Clin Endocrinol (Oxf)* 2:327-32, Oct 73
- Effects of prostaglandin antagonists on the induction of cyclic 3',5'-adenosine monophosphate formation and thyroid hormone secretion in vitro. Burke G.
Endocrinology 91:91-6, Jan 74
- The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
- Reactivity of the pituitary-thyroid system to exogenous thyroxine and propylthiouracil during the perinatal and neonatal period in the rabbit. Mach Z.
Folia Biol (Krakow) 21:379-89, 1973
- Long-term feeding and reproduction studies on emulsifier YN in rats. Brantom PG, et al.
Food Cosmet Toxicol 11:755-69, Oct 73
- The effects of long-term ingestion of methimazole on the thyroids of rats. Owen NV, et al.
Food Cosmet Toxicol 11:649-53, Aug 73

- Antidiuretic effect of clofibrate in therapy of diabetes insipidus. Gennes JL de, et al.
Horm Metab Res 5:461-6, Nov 73
- Effects of neuroleptanesthesia on endocrine function in man. Oyama T.
Int Anesthesiol Clin 11:171-84, Fall 73 (19 ref.)
- Studies on the biochemical properties of human thyroid gland mitochondria. Inatsuki B, et al.
J Biochem (Tokyo) 74:837-48, Oct 73
- TSH stimulation of 32P incorporation into phospholipids of thyroids from patients with Graves' disease. Schneider PB.
J Clin Endocrinol Metab 38:148-50, Jan 74
- Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksl SN.
J Endocrinol 59:655-6, Dec 73
- Comparative studies on the reduction of the response to the long-acting thyroid stimulator by soluble fractions from human, ovine, bovine and porcine thyroids. Dirmlikis S, et al.
J Endocrinol 59:579-92, Dec 73
- Suppression of TRH-mediated thyroïdal release of 131-I by a synthetic analog. Lybeck H, et al.
Neuroendocrinology 12:366-70, 1973
- [Influence of hormones on prostatic, mammary, endometrial and thyroid tissues] Franchimont P.
Rev Med Liege 28:659-62, Oct 73 (Fre)
- [Comparison of histometrical parameters in rat thyroids following application of methylthiouracil] Messow C, et al.
Arzneim Forsch 23:1076-9, Aug 73 (Eng. Abstr.) (Ger)
- [Effect of diiodophenolsulfonic acid (DIPS) on the iodine metabolism of rats and on the binding of thyroxine to human serum prealbumin] Wahl R, et al.
Arzneim Forsch 23:1009-14, Aug 73 (Eng. Abstr.) (Ger)
- [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
- [Effects of carbimazole on the chicken thyroid gland] Hald H.
Endokrinologie 61:321-8, Jun 73 (Eng. Abstr.) (Ger)
- [Combined action of organophosphorus pesticides and increased environmental temperature in short-term inhalation studies on rats. II. Histological, histochemical and morphometric studies (author's transl)] Gohlke R, et al.
Int Arch Arbeitsmed 31:309-27, 1973 (Eng. Abstr.) (Ger)
- [Effect of a new intravenous steroid anesthetic agent, CT1341, on the thyroid function in man] Maeda T, et al.
Jap J Anesthesiol 22:758-62, Aug 73 (Eng. Abstr.) (Jap)
- [Morphological and cytochemical studies on the behavior of Golgi apparatus in the follicular cells of the thyroid gland of guinea pigs under the influence of STH] Finkiewicz-Murawiejska L, et al.
Endokrynol Pol 24:279-89, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Endocrinological aspects of the effect of lithium on human organism (author's transl)] Rybakowski J.
Przegl Lek 30:739-42, 1973 (45 ref.) (Pol)
- [Ultrastructural changes in thyroid gland cells during different schedules of intermediate administration] Dub VI, et al. *Biol Nauki* 112:29-34, 1973 (Rus)
- [Effect of certain amino acids in combination with lipids on thyroid gland function in an iodine deficit in the diet] Rul' IuV.
Gig Sanit 38:27-30, Jul 73 (Eng. Abstr.) (Rus)
- [Thyroid gland of the sturgeon *Acipenser guldenstädti* before and after spawning and during its exposure to a sodium chloride hypertonic solution] Iakovleva IV, et al.
Zh Evol Biokhim Fiziol 9:85-9, Jan-Feb 73 (Eng. Abstr.) (Rus)

EMBRYOLOGY

- [Electron microscopic analysis in differentiation of cellular organelles of the rat thyroid gland during embryogenesis] Dmitrieva NP.
Arkh Anat Gistol Embriol 65:58-68, Sep 73 (Eng. Abstr.) (Rus)

THYROID

THYROID GLAND

ENZYMOLGY

- Action of potassium iodide on thyroid acid protease. Pisarev MA, et al.
Acta Endocrinol (Kbh) 74:703-10, Dec 73
- Changes in thyroid ribonucleic acid, ribonucleases and alkaline ribonuclease inhibitor. Murthy PV, et al.
Endocrinology 91:74-81, Jan 74
- Some histochemical reactions of C cells in the rabbit thyroid gland. Miętkiewski K, et al.
Folia Morphol (Warsz) 32:245-9, Jul 73
- A comparative study of the normal human neonatal and the canine thyroid C cell. Roediger WE.
J Anat 115:255-76, Jul 73
- Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. Björkman U, et al.
J Ultrastruct Res 45:231-53, Nov 73
- Post-translational modification of proteins catalyzed by aminoacyl-tRNA-protein transferases. Soffer RL.
Mol Cell Biochem 2:3-14, 15 Nov 73 (38 ref.)
- Partial purification and some properties of thyroid peroxidase solubilized by extraction with n-butanol. Davidson B, et al.
Prep Biochem 3:473-93, 1973
- Partial purification and some properties of thyroid peroxidase solubilized by alkaline treatment. Neary JT, et al.
Prep Biochem 3:495-508, 1973
- [Activation of adenylyl cyclase in the bovine thyroid plasma membrane with TSH, LATS and prostaglandin E2] Sato S, et al.
Clin Endocrinol (Tokyo) 21:725-9, Jul 73 (Jap)
- [Interpretation of the results of histochemical study of carbohydrate metabolism in the thyroid gland] Tkachev AV, et al.
Probl Endokrinol (Mosk) 19:104-6, Nov-Dec 73 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

- Reactivity of the pituitary-thyroid system to exogenic thyroxine and propylthiouracil during the perinatal and neonatal period in the rabbit. Mach Z.
Folia Biol (Krakow) 21:379-89, 1973
- Morphological and functional maturation of the thyroid during early development of anuran larvae. Hanaoka Y, et al.
Gen Comp Endocrinol 21:410-23, Dec 73
- Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, *Lampetra reissneri*. Suzuki S, et al.
Gen Comp Endocrinol 21:451-60, Dec 73

IMMUNOLOGY

- Demonstration of thyroglobulin in lymph vessels of TSH stimulated guinea pigs by the indirect immunofluorescence technique. Böcker W, et al.
Acta Endocrinol (Kbh) 74:666-74, Dec 73
- [Evaluation of two different antigen preparations in the fluorescent antibody test for antinuclear antibodies (ANA). A comparison between two laboratories. Bergquist NR, et al.
Acta Pathol Microbiol Scand [B] 81:446-52, Aug 73
- Early onset of pernicious anaemia in two siblings: genetic and autoimmune aspects. Hall CA, et al.
Br J Haematol 25:751-6, Dec 73
- Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. Bonnyns M, et al.
Clin Endocrinol (Oxf) 2:277-87, Jul 73
- The effect of blood leucocytes from patients with Hashimoto's disease on human thyroid cells in monolayer culture. Laryea E, et al.
Clin Endocrinol (Oxf) 2:23-35, Jan 73
- The effect of cystectomy on antitissue antibodies in interstitial cystitis. Jokinen EJ, et al.
Clin Exp Immunol 15:457-60, Nov 73
- Incidence of autoantibodies in cancer patients. Tannenberga AE, et al.
Clin Exp Immunol 15:153-6, Oct 73
- Diagnostic index for premyxoedema. Ikram H, et al.
Lancet 2:1405-8, 22 Dec 73
- High prevalence of seroimmunologic abnormalities in relatives of patients with active chronic hepatitis or primary biliary cirrhosis. Galbraith RM, et al.
N Engl J Med 290:63-9, 10 Jan 74
- Editorial: Genetic "markers" for chronic liver disease? Lander JJ, et al.
N Engl J Med 290:103-4, 10 Jan 74
- Stimulation of organ specific and non-organ specific antigens on the surface of thyroid cells by phytohaemagglutinin P. Jonsson J, et al.
Scand J Immunol 2:239-50, 1973
- [Immunomorphological characteristics of

transplantable thyroid neoplasms] Okulov VB.
Vopr Onkol 19:50-6, 1973 (Eng. Abstr.) (Rus)

METABOLISM

- Uptake of 3H-labelled and 125I-labelled toluidine blue in hyperplastic parathyroids of rabbits. Normann E, et al.
Acta Chir Scand 139:629-33, 1973
- Induction of goitre by PTU or KClO4 in male and female rats. Effect of gonadectomy. Jolin T, et al.
Acta Endocrinol (Kbh) 74:88-104, Sep 73
- The diagnostic and prognostic value of the 20 min 99mTc-uptake in the thyroid gland. Kirkegaard C, et al.
Acta Endocrinol (Kbh) 74:659-65, Dec 73
- Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabiosed golden hamsters. Selbel HR, et al.
Acta Endocrinol (Kbh) 74:434-48, Nov 73
- Iodinated thyrolypids: their possible role in homonogenesis. Sbab DH, et al.
Acta Endocrinol (Kbh) 74:461-74, Nov 73
- Stimulating effect of dibutyryl cyclic adenosine 3',5' monophosphate on protein synthesis in a thyroidal cell-free system at low potassium and sodium concentrations. Wägar G.
Acta Endocrinol (Kbh) 74:711-22, Dec 73
- Biochemical studies on endemic goiter glands before and one year after an injection of iodized oil. Medeiros-Neto GA, et al.
Acta Endocrinol [Suppl] (Kbh) 97-8, 1973
- The leakage phenomenon in thyroid nodules. Rösler H, et al.
Acta Endocrinol [Suppl] (Kbh) 80-1, 1973
- Thyroid function studies in normal and cold-exposed rabbits using 125I. Carlson LD, et al.
Acta Physiol Scand 89:359-73, Nov 73
- Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al.
Am J Clin Nutr 27:96-103, Jan 74
- Studies on iodine concentration in psammoma bodies in the thyroids of chronically iodine-deficient rats: effect of iodine repletion. Greer MA, et al.
Am J Pathol 73:775-88, Dec 73
- Cell-free peptide synthesis and carbohydrate incorporation by various thyroid particles. Bouchilloux S, et al.
Biochim Biophys Acta 322:401-20, 18 Oct 73
- Sodium dodecyl sulfate-polyacrylamide gel electrophoresis of thyroglobulin-related components synthesized in vitro. Roques M, et al.
Biochim Biophys Acta 322:437-47, 18 Oct 73
- Immunocemical characterization of thyroglobulin-related components synthesized in cell-free systems. Torresani J, et al.
Biochim Biophys Acta 322:421-36, 18 Oct 73
- Translation in *Xenopus* oocytes of thyroglobulin mRNA isolated by poly(U)-Sepharose affinity chromatography. Vassart G, et al.
Biochim Biophys Acta 324:575-80, 14 Nov 73
- Letter: Thyroid uptake. Kirkman S.
Br J Radiol 47:65-7, Jan 74
- An assessment of plasma TSH radioimmunoassay and of the TSH stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism. Irvine WJ, et al.
Clin Endocrinol (Oxf) 2:135-9, Apr 73
- Iodine metabolism in autonomous hot nodules of the thyroid. Koutras DA, et al.
Clin Endocrinol (Oxf) 2:249-53, Jul 73
- The effect of blood leucocytes from patients with Hashimoto's disease on human thyroid cells in monolayer culture. Laryea E, et al.
Clin Endocrinol (Oxf) 2:23-35, Jan 73
- Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al.
Clin Endocrinol (Oxf) 2:369-76, Oct 73
- Effects of prostaglandin antagonists on the induction of cyclic 3',5'-adenosine monophosphate formation and thyroid hormone secretion in vitro. Burke G.
Endocrinology 91:91-6, Jan 74
- Changes in thyroid ribonucleic acid, ribonucleases and alkaline ribonuclease inhibitor. Murthy PV, et al.
Endocrinology 91:74-81, Jan 74
- Thyroxine content in the thyroid gland of domestic animals. VI. Iodine binding in thyroid gland tissue using radioautography. Abdel-Wabab MF, et al.
Endokrinologie 61:195-200, May 73

THYROID

THYROID GLAND

- The thyroid and age. Frolikis VV, et al.
Exp Gerontol 8:285-96, Oct 73
- Sedimentation characteristics of thyroglobulin in some amphibians after 131-I iodination in vivo. Peyrot A, et al. *Gen Comp Endocrinol* 21:461-7, Dec 73
- Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, *Lampetra reissneri*. Suzuki S, et al. *Gen Comp Endocrinol* 21:451-60, Dec 73
- Studies on the biochemical properties of human thyroid gland mitochondria. Inatsuki B, et al. *J Biochem (Tokyo)* 74:837-48, Oct 73
- Thyroglobulin defect in a human congenital goiter. Riesco G, et al.
J Clin Endocrinol Metab 38:33-41, Jan 74
- TSH stimulation of 32P incorporation into phospholipids of thyroids from patients with Graves' disease. Schneider PB.
J Clin Endocrinol Metab 38:148-50, Jan 74
- Uncorporation of phenylalanine as a single unit into rat brain protein: reciprocal inhibition by phenylalanine and tyrosine of their respective incorporations. Barra HS, et al. *J Neurochem* 21:1241-51, Nov 73
- Iodide goiter following lymphography. Koutras DA, et al. *J Pediatr* 83:83-4, Jul 73
- Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. Björkman U, et al. *J Ultrastruct Res* 45:231-53, Nov 73
- Humoral immune response of the adult chinchilla. Hook RR Jr. *Lab Anim Sci* 23:837-42, Dec 73
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. *N Engl J Med* 289:472-9, 30 Aug 73
- Suppression of TRH-mediated thyroidal release of 131-I by a synthetic analog. Lybeck H, et al.
Neuroendocrinology 12:366-70, 1973
- Rheumatoid sera and soluble complexes: nitroblue tetrazolium dye test and hexose monophosphate shunt activation. Pachman LM, et al.
Pediatrics 52:823-30, Dec 73
- A case of trilateral thyronine-secretor with hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73
- [Trilateral thyronine, physiological, physiopathological and clinical importance (comprehensive review)] Halner V, et al.
Vnitř Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
- [The elements of diagnosis in hyperthyroid syndromes] Hennen G.
Rev Med Liege 28:592-3, 1 Sep 73 (Fre)
- [Comparison between T3 levels in compensative hyperplasia of the thyroid gland and in euthyroids without iodine deficiency] Goebel R, et al.
Acta Endocrinol [Suppl] (Kbh) 57-8, 1973 (Ger)
- [Goiter recurrence prophylaxis in an endemic goiter region] Halner O, et al.
Acta Endocrinol [Suppl] (Kbh) 99-100, 1973 (Ger)
- [Pathophysiological findings in endemic goiter and normal thyroid glands in an endemic goiter district] Riccabona G, et al.
Acta Endocrinol [Suppl] (Kbh) 47-8, 1973 (Ger)
- [Effect of diiodopbenzolsulfonic acid (DIPS) on the iodine metabolism of rats and on the binding of thyroxine to human serum prealbumin] Wahl R, et al.
Arzneim Forsch 23:1009-14, Aug 73 (Eng. Abstr.) (Ger)
- [Effects of carbimazole on the chicken thyroid gland] Hald H.
Endokrinologie 61:321-8, Jun 73 (Eng. Abstr.) (Ger)
- [In vitro study of thyroid gland function in finches (*Serinus serinus*) during migration] Robiller F, et al. *Naturwissenschaften* 60:522, Nov 73 (Ger)
- [Blood triiodothyronine level in iodide thyroid gland] Goebel R, et al.
Wien Z Inn Med 54:131-6, 1973 (Eng. Abstr.) (Ger)
- [Hyperthyroid reactions during reconvalescence after infectious hepatitis] Gidaly M, et al.
Z Gesamte Inn Med 28:591-3, 1 Oct 73 (Eng. Abstr.) (Ger)
- [Iodine recycling in the thyroid] Onaya T, et al. *Clin Endocrinol (Tokyo)* 21:837-9, Aug 73 (Jap)
- [Effect of iodine on iodoamino acid distribution in the thyroid] Onaya T, et al.
Clin Endocrinol (Tokyo) 21:955-7, Sep 73 (Jap)
- [Mechanism of action of ouabain in inorganic iodine transport in the thyroid gland] Shimoda S, et al. *Clin Endocrinol (Tokyo)* 21:1045-6, Oct 73 (Jap)
- [In vivo metabolism of 131-I-19-cholesterol used as adrenal gland scanning agent] Fukuchi S, et al. *Folia Endocrinol Jap* 49:1245-53, Oct 73 (Eng. Abstr.) (Jap)
- [Panel discussion: anesthesia for patients with endocrine diseases. 1] Kosaka F, et al.
Jap J Anesthesiol 22:1004-17, Sep 73 (Jap)
- [Iodide-perchlorate discharge test: a new method for the diagnosis of disorders of iodine organization of the thyroid] Suzuki H, et al.
Jap J Clin Med 31:2588-94, 10 Aug 73 (Jap)
- [Calcitonin content in the thyroid in goiter] Holak H, et al.
Endokrynol Pol 24:377-83, Sep-Oct 73 (Eng. Abstr.) (Pol)
- [Function of the thyroid gland and phosphorus-calcium metabolism in children with acute pneumonia on the rachitic background] Chubatala IG.
Pediatrilia 52:26-30, Nov 73 (Rus)
- [Study on the effect of thyroid hormones and iodide on protein synthesis in the cell-free polyribosomal system of the thyroid gland] Atakhanova BA, et al. *Probl Endocrinol (Mosk)* 19:111-3, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Interpretation of the results of histochemical study of carbohydrate metabolism in the thyroid gland] Tkachev AV, et al.
Probl Endocrinol (Mosk) 19:104-6, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Study of iodine-containing amino acid composition of crude and iodinated (in vitro) thyroglobulin under normal conditions and in thyroid diseases] Turakuiov IaKh, et al.
Probl Endocrinol (Mosk) 19:99-103, Nov-Dec 73 (Eng. Abstr.) (Rus)

PATHOLOGY

- Self-limiting episodes of Jodbasedow. Nilsson G.
Acta Endocrinol (Kbh) 74:475-82, Nov 73
- The nodularity of nodular goitre. Taylor S.
Acta Endocrinol [Suppl] (Kbh) 59-60, 1973
- An autopsy case of congenital goiter. Okayasu I, et al.
Acta Pathol Jap 23:531-7, Aug 73
- Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)
- Protein-energy deficiency in nonhuman primates: biochemical and morphological alterations. Enwonwu CO, et al. *Am J Clin Nutr* 26:1287-302, Dec 73
- Studies on iodine concentration in psammoma bodies in the thyroids of chronically iodine-deficient rats: effect of iodine repletion. Greer MA, et al.
Am J Pathol 73:775-88, Dec 73
- Letter: The solitary thyroid nodule.
Br Med J 1:38-9, 5 Jan 74
- Spontaneous thyroiditis in thymectomized and irradiated Wistar rats. Penhale WJ, et al.
Clin Exp Immunol 15:225-36, Oct 73
- Autoimmune murine thyroiditis. V. Genetic influence on the disease in BSVS and BRVR mice. Rose NR, et al. *Clin Exp Immunol* 15:281-7, Oct 73
- The co-existence of parathyroid and thyroid disease. II. Primary hyperparathyroidism and thyrotoxicosis. Hajjar ET, et al. *J Med Liban* 26:247-52, 1973
- Glomerulonephritis and uremia in a chimpanzee. Schmidt RE, et al. *J Med Primatol* 2:144-54, 1973
- Letter: Death in thyrotoxicosis. Petheram IS.
Lancet 2:1151, 17 Nov 73
- C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al.
N Engl J Med 289:437-41, 30 Aug 73
- A case of trilateral thyronine-secretor with hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73
- [Discussion of the aetiology of human endemic goitre (author's transl)] Taterka W.
Praxis 62:1444-8, 20 Nov 73 (Eng. Abstr.) (Fre)
- [The diagnosis of cold nodules in endemic goiters by means of thin needle biopsy and cytological analysis] Galvan G, et al.
Acta Endocrinol [Suppl] (Kbh) 73-4, 1973 (Ger)
- [Aspiration cytology in the diagnosis of endemic goiter] Lederer B, et al.
Acta Endocrinol [Suppl] (Kbh) 75-6, 1973 (Ger)
- [Effects of carbimazole on the chicken thyroid gland] Hald H.
Endokrinologie 61:321-8, Jun 73 (Eng. Abstr.) (Ger)
- [Practical value of aspiration biopsy of cystic thyroid nodes] Smejkal V, et al.
Endokrinologie 61:312-6, May 73 (Ger)
- [Morphological changes in the thyroid gland in female white rats submitted to vibration during estrus cycle]

THYROID GLAND

- Kryk B, et al.
Ginek Pol 44:1363-70, Dec 73 (Eng. Abstr.) (Pol)
[Riedel's struma] Redelbach J, et al.
Pol Przegl Chir 45:1421-6, Dec 73 (Eng. Abstr.) (Pol)

PHYSIOLOGY

- The effect of testosterone and thyroidectomy on the rat thymus. Csaha G.
Acta Biol Acad Sci Hung 23:409-11, 1972
Inhibition by thyrocalcitonin of estrogen-induced bone resorption in the mouse pubic symphysis. Steinmetz BG, et al. Am J Pathol 73:735-46, Dec 73
Neuronal and hormonal influences on the turnover of monoamine oxidase in salivary gland. Goridis C, et al. Biochem Pharmacol 22:2501-10, 15 Oct 73
Thyroid function in the neonate. Chan V, et al. Clin Endocrinol (Oxf) 2:333-7, Oct 73
The effect of surgical operation of moderate severity on thyroid function. Kirby R, et al.
Clin Endocrinol (Oxf) 2:28-99, Apr 73
Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. Kohler H, et al. Clin Endocrinol (Oxf) 2:327-32, Oct 73
Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Fujii T. Endocrinol Jap 20:425-7, Aug 73
Effect of tetraastrin on calcium absorption from rat duodenal loop in vivo. Fujita T.
Endocrinol Jap 20:407-10, Aug 73
Possible reversion of pituitary "thyroidectomy cells" into their original acidophils in rats. Yoshimura F, et al. Endocrinol Jap 20:249-62, Jun 73
Thyrotrophin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al.
Endocrinology 91:188-97, Jan 74
Thyroidal regulation of ATP-ase activity in the liver. Kulcsár A, et al. Endokrinologie 61:339-41, Jun 73
The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
Morphological and functional maturation of the thyroid during early development of anuran larvae. Hanaoka Y, et al. Gen Comp Endocrinol 21:410-23, Dec 73
Thyroidal influence on early muscle growth of chickens. King DB, et al.
Gen Comp Endocrinol 21:517-29, Dec 73
Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, Lampetra reissneri. Suzuki S, et al.
Gen Comp Endocrinol 21:451-60, Dec 73
Diagnosing thyroid disease by selected laboratory tests. Wahner HW. Geriatrics 29:83-6 passim, Jan 74
Fetal plasma calcium levels after maternal thyroparathyroidectomy and administration of thyrocalcitonin and parathyroid extract in rats. Baksl SN. Indian J Med Res 61:1082-6, Jul 73
Micropuncture studies of phosphate transport in the proximal tubule of the dog. The relationship to sodium reabsorption. Wen SF.
J Clin Invest 53:143-53, Jan 74
Comparative studies on the reduction of the response to the long-acting thyroid stimulator by soluble fractions from human, ovine, bovine and porcine thyroids. Dirmlikis S, et al.
J Endocrinol 59:579-92, Dec 73
Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. J Nutr 104:18-27, Jan 74
Endocrinology of puberty. I. Normal sexual maturation. Root AW. J Pediatr 83:1-19, Jul 73 (111 ref.)
Lesions in the septal nuclei of the rat raise mean systemic arterial pressure and prevent the development of sound-withdrawal hypertension. Marwood JF, et al.
J Pharm Pharmacol 25:614-20, Aug 73
Intestinal lactase activity in the suckling rat: Influence of hypophysectomy and thyroidectomy. Yeh K, et al. Science 183:77-9, 11 Jan 74
[Comparison between T3 levels in compensative hyperplasia of the thyroid gland and in euthyroids without iodine deficiency] Goehel R, et al.
Acta Endocrinol [Suppl] (Khh) 57-8, 1973 (Ger)
[Euthyroid endemic goiter as a disease] Huber P.
Acta Endocrinol [Suppl] (Khh) 64-5, 1973 (Ger)
[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Piechowiak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)
[Letter: Are patients with increased serum TSH euthyreotic?] Scriba PC.
Dtsch Med Wochenschr 98:2219, 16 Nov 73 (Ger)

THYROID

- [Morphology and function of calcitonin cells (C-cells) in the rat. Biological effect of raw thyroid extracts depending on nutrition] Bläher S.
Endokrinologie 61:179-94, May 73 (Eng. Abstr.) (Ger)
[In vitro study of thyroid gland function in finches (Serinus serinus) during migration] Rohiller F, et al. Naturwissenschaften 60:522, Nov 73 (Ger)
[Use of the TSH releasing hormone in examination of the hypothalamo-hypophyseal-thyroid system] Polczer M, et al.
Z Aerzt Fortbild (Jena) 67:872-5, 1 Sep 73 (Ger)
[Thyroid gland and the stomach] Mosin VI.
Klin Med (Mosk) 51:15-21, Jan 73 (84 ref.) (Rus)
[Function of the thyroid gland and phosphorus-calcium metabolism in children with acute pneumonia on the rachitic background] Chubatala IG.
Pediatr 52:26-30, Nov 73 (Rus)
[Thyroid gland of the sturgeon Acipenser güldenstädti before and after spawning and during its exposure to a sodium chloride hypertonic solution] Iakovleva IV, et al.
Zh Evol Blokhim Fiziol 9:65-9, Jan-Feb 73 (Eng. Abstr.) (Rus)
[Neuro-hormonal regulation of heat exchange in birds] Karapetian SK, et al.
Zh Evol Blokhim Fiziol 9:150-4, Mar-Apr 73 (Eng. Abstr.) (Rus)
[Anemia and hypothyroidism. Ferrokinetic studies] Marañón A, et al.
Rev Iber Endocrinol 20:389-603, Nov-Dec 73 (Eng. Abstr.) (Spa)
[Hypothalamic mechanism of compensatory hypertrophy of the endocrine glands] Novikov BG, et al. Fiziol Zh 19:654-60, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

- The incidence as a function of age of thyroid dysfunction for two populations living in a goitrogenic environment. Pathogenesis of endemic goiter. Delange F, et al.
Acta Endocrinol [Suppl] (Khh) 29-30, 1973
Sequential assessment during drug treatment of thyrotoxicosis. Alexander WD, et al.
Clin Endocrinol (Oxf) 2:43-50, Jan 73
Studies of thyroid function using ⁹⁹Tcm in thyrotoxic patients during treatment with antithyroid drugs. Gooden AW, et al.
Clin Endocrinol (Oxf) 2:65-73, Jan 73
Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. Clin Endocrinol (Oxf) 2:369-76, Oct 73
Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Korz R, et al.
Clin Nephrol 1:307-10, Sep-Oct 73
Pathophysiology of the thyroid gland: a laboratory approach. Golding P.
J Am Osteopath Assoc 73:273-8, Dec 73
Sequential pathophysiological effects of ionizing radiation on the beagle thyroid gland. Lu ST, et al. J Natl Cancer Inst 51:419-41, Aug 73
[Radiolotope function tests of the thyroid gland in obesity] Shelretova E, et al.
Vutr Boles 12:60-4, 1973 (Eng. Abstr.) (Bul)
[Status of the thyroid gland in the course of rheumatoid arthritis] Blahoš J, et al.
Fysiatr Reumatol Vestn 51:351-4, Dec 73 (Eng. Abstr.) (Cze)
[Thyroid function during febrile states] Nayer P de. Acta Clin Belg 28:223-7, Jul 73 (Eng. Abstr.) (Fre)
[Can thyroxine start hyperthyroidism in endemic goiters?] Foidenauer A.
Acta Endocrinol [Suppl] (Khh) 79, 1973 (Ger)
[Comparison between T3 levels in compensative hyperplasia of the thyroid gland and in euthyroids without iodine deficiency] Goehel R, et al.
Acta Endocrinol [Suppl] (Khh) 57-8, 1973 (Ger)
[Euthyroid endemic goiter as a disease] Huber P.
Acta Endocrinol [Suppl] (Khh) 64-5, 1973 (Ger)
[Pituitary-thyroid function in patients with chronic kidney failure under intermittent hemodialysis] Hrubesch M, et al. Med Welt 24:1532-4, 5 Oct 73 (Ger)
[Effects of neuroleptanalgesia on thyroid function in thyrotoxicosis] Takahashi H.
Jap J Anesthesiol 22:770-7, Aug 73 (Eng. Abstr.) (Jap)
[Clinical usefulness of thyroxine blood serum level evaluation] Gembicki M, et al.

THYROID

THYROID GLAND FUNCTION TESTS

- Endokrynol Pol 24:473-7, Nov-Dec 73 (Eng. Abstr.) (Pol)
- [Evaluation of the pituitary-thyroid axis by the trilodothyronine test] Szybiński Z, et al.
Pol Arch Med Wewn 50:1189-96, Nov 73 (Eng. Abstr.) (Pol)
- [Quantitative problems of symptomatology in thyroid hyperfunction] Wasyluk H, et al.
Pol Arch Med Wewn 50:1197-209, Nov 73 (Eng. Abstr.) (Pol)
- [State of certain endocrine organs in cancer of the cervix uteri] Slepov MI.
Akush Ginekol (Mosk) 49:43-6, Mar 73 (Eng. Abstr.) (Rus)
- [Effect of harmful substances on animals with weakened health under chronic feeding conditions] Chizhikov VA.
Gig Sanit 38:7-12, Jul 73 (Eng. Abstr.) (Rus)
- [Effect of certain amino acids in combination with lipids on thyroid gland function in an iodine deficit in the diet] Rul' IuV.
Gig Sanit 38:27-30, Jul 73 (Eng. Abstr.) (Rus)
- [Thyroid gland and the stomach] Mosin VI.
Klin Med (Mosk) 51:15-21, Jan 73 (84 ref.) (Rus)
- [Functional state of the thyroid in lchthyosis] Kuklin VT, et al.
Vestn Dermatol Venerol 47:19-23, Feb 73 (Rus)
- [Dynamics of the phase structure of the cardiac cycle in pregnant women with hypothyroidism] Dzivalan AM.
Vopr Okhr Materin Det 18:64-7, Aug 73 (Eng. Abstr.) (Rus)
- [Function of the thyroid gland and pancreas during the 1st month of life under normal and pathological conditions] Masal'skaya EI.
Vopr Okhr Materin Det 18:50-4, Nov 73 (Eng. Abstr.) (Rus)
- [Thyroid pathology of hypothalamic origin] Muñóz M, et al.
Rev Iher Endocrinol 20:563-87, Nov-Dec 73 (86 ref.) (Eng. Abstr.) (Spa)

RADIATION EFFECTS

- Spontaneous thyroiditis in thymectomized and irradiated Wistar rats. Penhale WJ, et al.
Clin Exp Immunol 15:225-36, Oct 73
- Sequential pathophysiologic effects of ionizing radiation on the beagle thyroid gland. Lu ST, et al.
J Natl Cancer Inst 51:419-41, Aug 73

RADIOGRAPHY

- Newer methods for evaluating thyroid nodules.
Rosenberg IN. CA 23:281-3, Sep-Oct 73
- [Lingual thyroid: with special reference to clinical experience in 6 cases] Kida T, et al.
Jap J Clin Radiol 18:617-23, Sep 73 (Jap)

SECRETION

- Trilodothyronine. Hoffenberg R.
Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)
- The trilodothyronine and thyroxine response to thyrotrophin-releasing hormone in the assessment of the pituitary-thyroid axis. Lawton NF, et al.
Clin Endocrinol (Oxf) 2:57-63, Jan 73
- Trilodothyronine. Physiological and clinical significance. Gharib H. JAMA 227:302-4, 21 Jan 74
- Induction of rat mammary tumours in altered iodine metabolism. Kellen JA. Oncology 28:269-73, 1973
- [Calcitonin-physiology and possibilities for therapeutic treatment (author's transl)] Merceron RE.
Munch Med Wochenschr 115:1589-94, 21 Sep 73 (Eng. Abstr.) (Ger)
- [Thyroid pathology of hypothalamic origin] Muñóz M, et al.
Rev Iher Endocrinol 20:563-87, Nov-Dec 73 (86 ref.) (Eng. Abstr.) (Spa)

SURGERY

- Laryngeal cysts--their surgical management. Van de Water FW. Laryngoscope 83:1185-94, Aug 73
- Changing patterns in hyperparathyroidism. Friedman EW, et al. Surg Gynecol Obstet 137:941-4, Dec 73

- Serum thyrotrophin response to thyrotrophin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Gordin A, et al.
Acta Endocrinol (Khh) 74:111-21, Sep 73
- The diagnostic and prognostic value of the 20 min 99mTc-uptake in the thyroid gland. Kirkegaard C, et al. Acta Endocrinol (Khh) 74:659-65, Dec 73
- Iodine prophylaxis in conditions on an European continental country. Podoba J, et al.
Acta Endocrinol [Suppl] (Khh) 108-9, 1973
- The Kangra Valley experiment: prevention of Himalayan endemic goitre with iodinated salt. Sooch SS, et al. Acta Endocrinol [Suppl] (Khh) 110, 1973
- Five years follow-up in the treatment of endemic goiter by iodized oil. Thilly CH, et al.
Acta Endocrinol [Suppl] (Khh) 111-2, 1973
- Thyroid function studies in normal and cold-exposed rabbits using 125I. Carlson LD, et al.
Acta Physiol Scand 89:359-73, Nov 73
- Treatment of the thyroid nodule. McKenzie JM, et al. Adv Intern Med 17:215-38, 1973 (98 ref.)
- Evidence for intestinal malabsorption of iodine in protein-calorie malnutrition. Ingenbleek Y, et al. Am J Clin Nutr 26:1323-30, Dec 73
- Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. Am J Clin Nutr 27:96-103, Jan 74
- "Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L. Am J Clin Pathol 61:118-21, Jan 74
- Nuclear medicine and radiochemistry. Götte H, et al. Angew Chem [Engl] 12:712-21, Sep 73
- Down's syndrome with diabetes mellitus and hypothyroidism. Sbaheed WA, et al.
Arch Dis Child 48:917-8, Nov 73
- Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. Bonnyns M, et al. Clin Endocrinol (Oxf) 2:277-87, Jul 73
- Thyroid function in the neonate. Chan V, et al. Clin Endocrinol (Oxf) 2:333-7, Oct 73
- An assessment of plasma TSH radioimmunoassay and of the TSH stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism. Irvine WJ, et al. Clin Endocrinol (Oxf) 2:135-9, Apr 73
- Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. Kobler H, et al. Clin Endocrinol (Oxf) 2:327-32, Oct 73
- Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. Clin Endocrinol (Oxf) 2:369-76, Oct 73
- Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. Toft AD, et al. Clin Endocrinol (Oxf) 2:127-34, Apr 73
- Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Korz R, et al. Clin Nephrol 1:307-10, Sep-Oct 73
- Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, Lampetra reissneri. Suzuki S, et al. Gen Comp Endocrinol 21:451-60, Dec 73
- Using a computer to interpret multiphasic screening results. Reece RL. Geriatrics 29:51-9, Jan 74
- Diagnosing thyroid disease by selected laboratory tests. Wabner HW. Geriatrics 29:83-6 passim, Jan 74
- Thyroid function tests--an enigma? Schroffner WG. Hawaii Med J 32:325-6, Sep-Oct 73
- Pathophysiology of the thyroid gland: a laboratory approach. Golding P.
J Am Osteopath Assoc 73:273-8, Dec 73
- Hypertrophic osteoporosis. A case study in differential diagnosis. Kallsb SR, et al.
J Am Podiatry Assoc 64:35-45, Jan 74
- Sequential pathophysiologic effects of ionizing radiation on the beagle thyroid gland. Lu ST, et al. J Natl Cancer Inst 51:419-41, Aug 73
- Goiter complicating therapy with iodinated glycerol (Organidin). Block SH. J Pediatr 83:84-6, Jul 73
- Iodide goiter following lymphography. Koutras DA, et al. J Pediatr 83:83-4, Jul 73
- An alternative in management of lingual thyroid: excision with implantation. Danis RK.
J Pediatr Surg 5:869-70, Dec 73
- Trilodothyronine. Physiological and clinical significance. Gharib H. JAMA 227:302-4, 21 Jan 74
- Some quantitative aspects of in vitro thyroid diagnostic tests. Glover JS. Jap J Nucl Med 10:423-31, Aug 73

THYROID

THYROID GLAND

- Letter: Premyoedema. Evered DC, et al.
Lancet 1:99, 19 Jan 74
- Diagnostic index for premyxoedema. Ikram H, et al.
Lancet 2:1405-8, 22 Dec 73
- Optic neuropathy of graves's disease. Treatment by transantral or transfrontal orbital decompression. Gorman CA, et al. N Engl J Med 290:70-5, 10 Jan 74
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Normal laboratory values. N Engl J Med 290:39-49, 3 Jan 74
- Diabetes insipidus associated with an empty sella turcica. Matisson R, et al.
Postgrad Med J 49:274-6, Apr 73
- [Radioisotope function tests of the thyroid gland in obesity] Sheiretova E, et al.
Vutr Boles 12:60-4, 1973 (Eng. Abstr.) (Bul)
- [Status of the thyroid gland in the course of rheumatoid arthritis] Biahos J, et al.
Fysiatr Reumatol Vestn 51:351-4, Dec 73 (Eng. Abstr.) (Cze)
- [Trilodothyronine, physiological, physiopathological and clinical importance (comprehensive review)] Hainer V, et al.
Vnitr Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
- [T3-hyperthyreosis] Aro A.
Duodecim 89:1408-8, Jul 73 (Fin)
- [Thyroid function during febrile states] Nayer P de.
Acta Clin Belg 28:223-7, Jul 73 (Eng. Abstr.) (Fre)
- [The elements of diagnosis in hyperthyroid syndromes] Hennen G.
Rev Med Liege 28:592-3, 1 Sep 73 (Fre)
- [Prolonged clinical use of an association of synthetic thyroid hormones in thyroid insufficiency and euthyroid goiter] Luyckx A.
Rev Med Liege 28:702-11, 15 Oct 73 (Fre)
- [Effect of diiodophenolsulfonic acid (DIPS) on the iodine metabolism of rats and on the binding of thyroxine to human serum prealbumin] Wahl R, et al.
Arzneim Forsch 23:1009-14, Aug 73 (Eng. Abstr.) (Ger)
- [Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al.
Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)
- [Sources of error in the in-vitro diagnosis of thyroid function (author's transl)] Seegelken K, et al.
Dtsch Med Wochenschr 98:2197-200, 16 Nov 73 (Eng. Abstr.) (Ger)
- [Pituitary-thyroid function in patients with chronic kidney failure under intermittent hemodialysis] Hruhesch M, et al. Med Welt 24:1532-4, 5 Oct 73 (Ger)
- [T4-test, thyro-hindling-Index, and free-thyroxine-index in children (author's transl)] Lüders D.
Monatsschr Kinderheilkd 121:659-65, Nov 73 (Eng. Abstr.) (Ger)
- [Thyroid examination with radionuclides 131-I and 99mTc (author's transl)] Roháček J.
Radiobiol Radlother (Berl) 14:383-6, 1973 (Eng. Abstr.) (Ger)
- [Blood trilodothyronine level in iodavide thyroid gland] Goehel R, et al.
Wien Z Inn Med 54:131-6, 1973 (Eng. Abstr.) (Ger)
- [Proof of increased hypothalamic activity] Mosonyi L, et al.
Wien Z Inn Med 54:114-9, 1973 (Eng. Abstr.) (Ger)
- [Usefulness of the Korotkoff tones (QKD-interval) as a screening test for the diagnosis of thyroid gland function] Zieger B.
Z Gesamte Inn Med 28:492-7, 15 Aug 73 (Eng. Abstr.) (Ger)
- [Determination of thyreotropic hormone by radioimmunoassay] Földes J, et al.
Orv Hetil 114:3140-5, 30 Dec 73 (Hun)
- [Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotropin releasing hormone (TRH)] Silvestrini F, et al.
Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)
- [Effect of a new intravenous steroid anesthetic agent, CT1341, on the thyroid function in man] Maeda T, et al.
Jap J Anesthesiol 22:758-62, Aug 73 (Eng. Abstr.) (Jap)
- [Effects of neuroleptanalgesia on thyroid function in thyrotoxicosis] Takahashi H.
Jap J Anesthesiol 22:770-7, Aug 73 (Eng. Abstr.) (Jap)
- [Thyrotoxicosis treated surgically. A 5-year material from Drammen Hospital] Foss NE, et al.

- Tidsskr Nor Laegeforen 93:2017-20, 30 Sep 73 (Eng. Abstr.) (Nor)
- [Evaluation of the pituitary-thyroid axis by the trilodothyronine test] Szybiński Z, et al.
Pol Arch Med Wewn 50:1189-96, Nov 73 (Eng. Abstr.) (Pol)
- [Value of symptoms and diagnostic tests in the differentiation between hyperthyroidism and euthyroidism] Wasyluk H, et al.
Pol Arch Med Wewn 50:1211-25, Nov 73 (Eng. Abstr.) (Pol)
- [Quantitative problems of symptomatology in thyroid hyperfunction] Wasyluk H, et al.
Pol Arch Med Wewn 50:1197-209, Nov 73 (Eng. Abstr.) (Pol)
- [State of certain endocrine organs in cancer of the cervix uteri] Slepov MI.
Akush Ginekol (Mosk) 49:43-6, Mar 73 (Eng. Abstr.) (Rus)
- [Effect of certain amino acids in combination with lipids on thyroid gland function in an iodine deficit in the diet] Rul' IuV.
Gig Sanit 38:27-30, Jul 73 (Eng. Abstr.) (Rus)
- [Functional state of the thyroid in ichthyosis] Kuklin VT, et al.
Vestn Dermatol Venerol 47:19-23, Feb 73 (Rus)
- [Dynamics of the phase structure of the cardiac cycle in pregnant women with hypothyroidism] Dzlvalan AM.
Vopr Okhr Materin Det 18:64-7, Aug 73 (Eng. Abstr.) (Rus)
- [Some indices of sexual function in women with thyroid diseases] Gridneva NK, et al.
Vopr Okhr Materin Det 18:79-82, Jan 73 (Eng. Abstr.) (Rus)
- [Total body radiometry in diagnosis of thyroid gland diseases] Volozhinskaya Glia, et al.
Vrach Delo 9:76-9, Sep 73 (Eng. Abstr.) (Rus)
- [Radioactive iodine accumulation by the thyroid in patients with fibroadenomatosis and breast cancer] Zhivetskii AV, et al.
Vrach Delo 5:89-91, May 73 (Eng. Abstr.) (Rus)

STANDARDS

- [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)

THYROIDECTOMY

- The effect of testosterone and thyroidectomy on the rat thymus. Csaba G.
Acta Biol Acad Sci Hung 23:409-11, 1972
- The influence of thyroxine, 1-methyl-2-mercaptimidazole and thyroidectomy on tissue catalase activity in guinea pigs. Krashkova AM, et al. Acta Biol Med Ger 30:829-33, 1973
- Thyroid cancer, Quervain's thyroiditis and Hashimoto's disease in an endemic goiter Andrean area. Fierro-Benitez R.
Acta Endocrinol [Suppl] (Kbh) 86-7, 1973
- Iodine nutrition and prevalence of endemic goiter in USA. Matovlnovic I, et al.
Acta Endocrinol [Suppl] (Kbh) 17-8, 1973
- The nodularity of nodular goitre. Taylor S.
Acta Endocrinol [Suppl] (Kbh) 59-60, 1973
- Correspondence: Acupuncture works. Gray RW.
Anaesth Intensive Care 1:169-70, Nov 72
- Anaesthesia for thyroid surgery. Holmes JL, et al.
Anaesth Intensive Care 1:218-25, Feb 73
- The surgical treatment of thyroid disease. Fredell CH.
Ariz Med 30:778-84, Nov 73
- Neuronal and hormonal influences on the turnover of monoamine oxidase in salivary gland. Goridis C, et al.
Biochem Pharmacol 22:2501-10, 15 Oct 73
- Letter: The solitary thyroid nodule.
Br Med J 4:811, 8 Dec 73
- Editorial: The solitary thyroid nodule.
Br Med J 4:310-1, 10 Nov 73
- Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. Fairclough PD, et al.
Clin Endocrinol (Oxf) 2:351-9, Oct 73
- Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Fujii T. Endocrinol Jap 20:425-7, Aug 73
- Possible reversion of pituitary "thyroidectomy cells"

THYROID

THYROIDECTOMY

- into their original acidophils in rats. Yoshimura F, et al. *Endocrinol Jap* 20:249-62, Jun 73
- Thyrotropin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al. *Endocrinology* 91:188-97, Jan 74
- Thyroidal regulation of ATP-ase activity in the liver. Kulcsár A, et al. *Endokrinologie* 61:339-41, Jun 73
- Effects of surgical thyroidectomy on the chemical composition of the body and of the plasma of Spotted Munia, *Lonchura punctulata*. Thapliyal JP, et al. *Gen Comp Endocrinol* 21:547-53, Dec 73
- Fetal plasma calcium levels after maternal thyroparathyroidectomy and administration of thyrocalcitonin and parathyroid extract in rats. Baksi SN. *Indian J Med Res* 61:1082-6, Jul 73
- Microperfusion studies of phosphate transport in the proximal tubule of the dog. The relationship to sodium reabsorption. Wen SF. *J Clin Invest* 53:143-53, Jan 74
- Comparative studies on the reduction of the response to the long-acting thyroid stimulator by soluble fractions from human, ovine, bovine and porcine thyroids. Dirmlik S, et al. *J Endocrinol* 59:579-92, Dec 73
- Tuberculosis of the thyroid. Hajjar ET, et al. *J Med Liban* 26:273-6, 1973
- The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma. Hajjar ET, et al. *J Med Liban* 26:241-5, 1973
- Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. *J Nutr* 104:18-27, Jan 74
- Humoral immune response of the adult chinchilla. Hook RR Jr. *Lab Anim Sci* 23:837-42, Dec 73
- C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al. *N Engl J Med* 289:437-41, 30 Aug 73
- Proceedings: Management of cancer of the thyroid: a summary. Strong EW. *Proc Natl Cancer Conf* 7:179-85, 1973 (33 ref.)
- Intestinal lactase activity in the suckling rat: influence of hypophysectomy and thyroidectomy. Yeh K, et al. *Science* 183:77-9, 11 Jan 74
- [Hormone therapy in cancers of the thyroid and the mammary gland] Closon J. *Rev Med Liege* 28:671-9, Oct 73 (Fre)
- [The treatment of hyperthyroidism] Winand R. *Rev Med Liege* 28:594-5, 1 Sep 73 (Fre)
- [Thyroid scintigraphy following thyroidectomy] Hara M, et al. *Jap J Nucl Med* 10:405-12, Aug 73 (Eng. Abstr.) (Jap)
- [Thyrototoxicosis treated surgically. A 5-year material from Drammen Hospital] Foss NE, et al. *Tidsskr Nor Laegeforen* 93:2017-20, 30 Sep 73 (Eng. Abstr.) (Nor)
- [The treatment of hyperthyroidism] Haugen HN. *Tidsskr Nor Laegeforen* 93:2050-2, 30 Sep 73 (Nor)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrototoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)
- [Treatment of toxic goiter] Doletskii SA, et al. *Khirurgia (Mosk)* 49:35-40, Jun 73 (Eng. Abstr.) (Rus)
- [Extrathyroidal effect of methylmercaptolmldazole. II. Effect of methylmercaptolmldazole on the activity of the liver and kidneys of normal and thyroidectomized guinea pigs] Mitev IP, et al. *Probl Endocrinol (Mosk)* 19:107-10, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Thyroid pathology of hypothalamic origin] Muñóz M, et al. *Rev Iber Endocrinol* 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)
- [Hypothalamic mechanism of compensatory hypertrophy of the endocrine glands] Novikov BG, et al. *Fiziol Zh* 19:654-60, Sep-Oct 73 (Eng. Abstr.) (Ukr)
- [Electrophoretic mobility of blood serum proteins in thyrototoxicosis and hypothyroidism] Romaskevich OI, et al. *Ukr Biokhim Zh* 45:432-4, Jul-Aug 73 (Eng. Abstr.) (Ukr)

ADVERSE EFFECTS

- The aetiology of bilateral recurrent laryngeal nerve paralysis. Bulteau V. *Med J Aust* 2:776-7, 20 Oct 73
- [An error to be avoided: excision of an ectopic thyroid] Castel Y, et al. *Cah Med* 14:453-5, 15 Jun 73 (Fre)

THYROID

II. Disorders of the Thyroid Gland

CRETINISM

COMPLICATIONS

[Lingual thyroid: with special reference to clinical experience in 6 cases] Kida T, et al.
Jap J Clin Radiol 18:617-23, Sep 73 (Jap)

DIAGNOSIS

A comparison of the clinical features in endemic cretinism. Stanbury J.
Acta Endocrinol [Suppl] (Kbh) 66-8, 1973

HISTORY

Significance of endemic goiter in the evolution of the Andean rural communities. Fierro-Benitez R.
Acta Endocrinol [Suppl] (Kbh) 61-3, 1973

OCCURRENCE

Epidemiology of endemic goitre in Piedmont (Italy). Costa A. Acta Endocrinol [Suppl] (Kbh) 19-20, 1973
Results of longterm iodine prophylaxis of endemic goiter in Yugoslavia. Ramzin SK, et al.
Acta Endocrinol [Suppl] (Kbh) 105-7, 1973

GOITER

A comparison of the clinical features in endemic cretinism. Stanbury J.
Acta Endocrinol [Suppl] (Kbh) 66-8, 1973
[A new histochemical method for the identification of amino groups (author's transl)] Palladini G, et al.
Microsc Acta 75:32-42, Sep 73 (Eng. Abstr.) (Fre)
[Level and structure of intelligence of patients with disorders of thyroid function (author's transl)] Kruskemper G, et al.
Dtsch Med Wochenschr 98:2175-9, 16 Nov 73 (Eng. Abstr.) (Ger)

BLOOD

Serum triiodothyronine in health and disease. Patel YC, et al. Clin Endocrinol (Oxf) 2:339-49, Oct 73
Serum immunoglobulin levels in health and disease. I. Immunoglobulins in normal and thyroid diseases. Dasgupta A, et al. Indian J Med Res 61:1-7, Jan 73

CHEMICALLY INDUCED

Induction of goitre by PTU or KClO₄ in male and female rats. Effect of gonadectomy. Jolin T, et al.
Acta Endocrinol (Kbh) 74:88-104, Sep 73
Goiter complicating therapy with iodinated glycerol (Organidin). Block SH. J Pediatr 83:84-6, Jul 73
Iodide goiter following lymphography. Koutras DA, et al. J Pediatr 83:83-4, Jul 73

CLASSIFICATION

[Classification of thyroid diseases] Klein E, et al.
Dtsch Med Wochenschr 98:2249-51, 23 Nov 73 (Ger)

COMPLICATIONS

The thyroid cork. Obstruction of the thoracic inlet due to retroclavicular goiter. Blum M, et al.
JAMA 227:189-91, 14 Jan 74
[Partially regressive, early major hypothyroidism in 2 cases of Pendred's syndrome] Safar A, et al.
Arch Fr Pediatr 30:843-8, 1973 (Eng. Abstr.) (Fre)
[Preliminary stages of malignant thyroid tumors] Berchtold R, et al.
Helv Chir Acta 40:587-92, Dec 73 (Ger)

CONGENITAL

An autopsy case of congenital goiter. Okayasu I, et al.
Acta Pathol Jap 23:531-7, Aug 73
Thyroglobulin defect in a human congenital goiter. Riesco G, et al.
J Clin Endocrinol Metab 38:33-41, Jan 74

DIAGNOSIS

The diagnostic and prognostic value of the 20 min ^{99m}Tc-uptake in the thyroid gland. Kirkegaard C, et al. Acta Endocrinol (Kbh) 74:659-65, Dec 73
The use of ¹³³Xe clearance method in measurement of the blood flow in thyroid nodules. Rekonen A, et al.
Ann Clin Res 5:220-4, Aug 73
Patterns and clusters-multivariate approach for interpreting clinical chemistry results. Winkel P. Clin Chem 19:1329-38, Dec 73 (58 ref.)
Iodide goiter following lymphography. Koutras DA, et al. J Pediatr 83:83-4, Jul 73
[Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
[Advantages of the automatic method over the manual method in the routine determination of serum protein-bound iodine (PBI)] Trimarchi I, et al.
Quad Scavo Diagn 8:1022-9, Dec 72 (Eng. Abstr.) (Ita)
[Thyroid scintigraphy following thyroidectomy] Hara M, et al.
Jap J Nucl Med 10:405-12, Aug 73 (Eng. Abstr.) (Jap)

DRUG THERAPY

[Prolonged clinical use of an association of synthetic thyroid hormones in thyroid insufficiency and euthyroid goiter] Luyckx A.
Rev Med Liege 28:702-11, 15 Oct 73 (Fre)
[Iodine-Induced Basedow's disease--still a current problem. Role of Swiss physicians in its discovery] Mach RS.
Schweiz Med Wochenschr 103:1481-7, Oct 73 (Eng. Abstr.) (Fre)
[Indications and results of endemic goiter drug therapy with synthetic thyroid hormones] Horster FA, et al.
Acta Endocrinol [Suppl] (Kbh) 89-90, 1973 (Ger)

ETIOLOGY

An autopsy case of congenital goiter. Okayasu I, et al.
Acta Pathol Jap 23:531-7, Aug 73
Clinical diagnosis of thyroid cancer. Staunton MD, et al.
Br Med J 4:532-5, 1 Dec 73
Effect of soil type and daylength on the levels of isothiocyanates in the hypocotyl-root region of Raphanus sativus. Nell LJ, et al.
J Sci Food Agric 24:1251-4, Oct 73

FAMILIAL & GENETIC

Evolving concepts of the genetics of thyroid disease--a review. Bartuska D.
Am J Med Sci 266:249-52, Oct 73 (17 ref.)
Thyroglobulin defect in a human congenital goiter. Riesco G, et al.
J Clin Endocrinol Metab 38:33-41, Jan 74
[Partially regressive, early major hypothyroidism in 2 cases of Pendred's syndrome] Safar A, et al.
Arch Fr Pediatr 30:843-8, 1973 (Eng. Abstr.) (Fre)

HISTORY

[Iodine-Induced Basedow's disease--still a current problem. Role of Swiss physicians in its discovery] Mach RS.
Schweiz Med Wochenschr 103:1481-7, Oct 73 (Eng. Abstr.) (Fre)

THYROID

GOITER, ENDEMIC

METABOLISM

- Induction of goitre by PTU or KClO₄ in male and female rats. Effect of gonadectomy. Jolin T, et al. *Acta Endocrinol* (Kbh) 74:88-104, Sep 73
- The use of silica gel for human calcitonin isolation in some thyroid diseases. Lorenc RS, et al. *Endocrinol Exp* (Bratisl) 7:287-73, 1973
- Thyroglobulin defect in a human congenital goiter. Rlesco G, et al. *J Clin Endocrinol Metab* 38:33-41, Jan 74
- [Calcitonin content in the thyroid in goiter] Holak H, et al. *Endokrynol Pol* 24:377-83, Sep-Oct 73 (Eng. Abstr.) (Pol)

OCCURRENCE

- Himalayan goitre. Ibbertson HK. *Acta Endocrinol* [Suppl] (Kbh) 13-4, 1973

PATHOLOGY

- An autopsy case of congenital goiter. Okayasu I, et al. *Acta Pathol Jap* 23:531-7, Aug 73

PHYSIOPATHOLOGY

- [Radioactive iodine accumulation by the thyroid in patients with fibroadenomatosis and breast cancer] Zhivetskif AV, et al. *Vrach Delo* 5:89-91, May 73 (Eng. Abstr.) (Rus)
- [Thyroid pathology of hypothalamic origin] Muñóz M, et al. *Rev Iber Endocrinol* 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

- Endemic goitre in Finland. Lamberg BA. *Acta Endocrinol* [Suppl] (Kbh) 23-5, 1973
- Enrichment and fortification of foods in Latin America. Chopra JG. *Am J Public Health* 64:19-26, Jan 74

RADIOGRAPHY

- [Percutaneous thyrolymphography] Grądzki J, et al. *Pol Przegl Radiol* 37:719-26, Nov-Dec 73 (Eng. Abstr.) (Pol)

SURGERY

- Editorial: The solitary thyroid nodule. *Br Med J* 4:310-1, 10 Nov 73
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)
- [Surgical treatment of postoperative recurrent goiter] Nikolaev OV, et al. *Khirurgia* (Mosk) 49:100-3, Nov 73 (Eng. Abstr.) (Rus)

GOITER, ENDEMIC

BLOOD

- Serum thyrotropin levels and response to TRH in the endemic goiter region of Israel. Lewitus Z, et al. *Acta Endocrinol* [Suppl] (Kbh) 49-50, 1973
- Total serum T3 and TSH response to TRH stimulation in patients with endemic goiter. Scriba PC, et al. *Acta Endocrinol* [Suppl] (Kbh) 53-4, 1973
- Endemic goiter in Greece: nutritional status, growth, and skeletal development of goitrous and non goitrous populations. Koutras DA, et al. *Am J Clin Nutr* 28:1360-8, Dec 73
- The role of triiodothyronine (T3) in the maintenance of euthyroidism in endemic goitre. Pharaoh PO, et al. *Clin Endocrinol* (Oxf) 2:193-9, Jul 73
- Plasma thyrotrophin and its response to thyrotrophin releasing hormone in endemic goitre. Rastogi GK, et al. *Clin Endocrinol* (Oxf) 2:153-6, Apr 73

CHEMICALLY INDUCED

- Goitrogenic action of cyanogenic glucosides present in cassava: a possible etiologic factor of endemic goiter in the Idjwi Island (Kivu). Ermans AM, et al. *Acta Endocrinol* [Suppl] (Kbh) 31, 1973

COMPLICATIONS

- [Euthyroid endemic goiter as a disease] Huher P. *Acta Endocrinol* [Suppl] (Kbh) 64-5, 1973 (Ger)

DIAGNOSIS

- Epidemiology of endemic goitre in Piedmont (Italy). Costa A. *Acta Endocrinol* [Suppl] (Kbh) 19-20, 1973
- [The thyroid gland scintigram as a method for determination of the thyroid gland size in children from endemic goiter districts] Berger H, et al. *Acta Endocrinol* [Suppl] (Kbh) 71-2, 1973 (Ger)

DRUG THERAPY

- Five years follow-up in the treatment of endemic goiter by iodized oil. Thilly CH, et al. *Acta Endocrinol* [Suppl] (Kbh) 111-2, 1973
- [Can thyroxine start hyperthyroidism in endemic goiters?] Foldenauer A. *Acta Endocrinol* [Suppl] (Kbh) 79, 1973 (Ger)
- [Results of 131-iodine therapy of endemic goiter in South Bavaria] Frey KW, et al. *Acta Endocrinol* [Suppl] (Kbh) 91-2, 1973 (Ger)

ETIOLOGY

- Pathogenesis and aetiology of endemic goitre in Greece. Koutras DA, et al. *Acta Endocrinol* [Suppl] (Kbh) 45-6, 1973
- Iodine deficiency, environmental goitrogens and genetic factors in the etiology of endemic goiter. Podoba J, et al. *Acta Endocrinol* [Suppl] (Kbh) 36-7, 1973
- Factors which may alter the epidemiology of endemic goiter. Stanbury JB. *Acta Endocrinol* [Suppl] (Kbh) 9-10, 1973
- Evidence for intestinal malabsorption of iodine in protein-calorie malnutrition. Ingenbleek Y, et al. *Am J Clin Nutr* 28:1323-30, Dec 73
- Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. *Am J Clin Nutr* 27:96-103, Jan 74
- [Discussion of the aetiology of human endemic goitre (author's transl)] Taterka W. *Praxis* 62:1444-8, 20 Nov 73 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

- Serum thyrotropin levels and response to TRH in the endemic goiter region of Israel. Lewitus Z, et al. *Acta Endocrinol* [Suppl] (Kbh) 49-50, 1973
- Epidemiology of endemic goitre in Greece. Malamos B, et al. *Acta Endocrinol* [Suppl] (Kbh) 15, 1973
- Iodine deficiency, environmental goitrogens and genetic factors in the etiology of endemic goiter. Podoba J, et al. *Acta Endocrinol* [Suppl] (Kbh) 36-7, 1973
- Factors which may alter the epidemiology of endemic goiter. Stanbury JB. *Acta Endocrinol* [Suppl] (Kbh) 9-10, 1973
- [Discussion of the aetiology of human endemic goitre (author's transl)] Taterka W. *Praxis* 62:1444-8, 20 Nov 73 (Eng. Abstr.) (Fre)
- [Epidemiologic distinctions of 2 neighbouring goiter districts, of which one has had iodine prophylaxis for 10 years] Bauer H, et al. *Acta Endocrinol* [Suppl] (Kbh) 21-2, 1973 (Ger)

HISTORY

- Significance of endemic goiter in the evolution of the Andean rural communities. Fierro-Benitez R. *Acta Endocrinol* [Suppl] (Kbh) 61-3, 1973

METABOLISM

- Biochemical defects in thyroid hormone synthesis and their relation to endemic goiter. DeGroot LJ. *Acta Endocrinol* [Suppl] (Kbh) 34-5, 1973
- The incidence as a function of age of thyroid dysfunction for two populations living in a goitrogenic environment. Pathogenesis of endemic goiter. Delange F, et al. *Acta Endocrinol* [Suppl] (Kbh) 29-30, 1973
- Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. *Acta Endocrinol* [Suppl] (Kbh) 38-9, 1973
- TSH response to synthetic TRH in endemic goiter.

THYROID

GOITER, ENDEMIC

- Pinchera A, et al.
Acta Endocrinol [Suppl] (Kbb) 51-2, 1973
 [Trilodothyronine, physiological, physiopathological and clinical importance (comprehensive review)]
 Hainer V, et al.
Vnitř Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
 [Pathophysiology findings in endemic goiter and normal thyroid glands in an endemic goiter district]
 Riccabona G, et al.
Acta Endocrinol [Suppl] (Kbb) 47-8, 1973 (Ger)

OCCURRENCE

- The spectrum of iodine malnutrition and suggested management. Studies in Iraq and Iran in the Tigris River Basin. Caughey JE.
Acta Endocrinol [Suppl] (Kbb) 11-2, 1973
 Epidemiology of endemic goitre in Piedmont (Italy). Costa A. *Acta Endocrinol [Suppl] (Kbb)* 19-20, 1973
 The incidence as a function of age of thyroid dysfunction for two populations living in a goitrogenic environment. Pathogenesis of endemic goiter. Delange F, et al.
Acta Endocrinol [Suppl] (Kbb) 29-30, 1973
 Goitrogenic action of cyanogenic glucosides present in cassava: a possible etiologic factor of endemic goiter in the Idjwi Island (Kivu). Ermans AM, et al.
Acta Endocrinol [Suppl] (Kbb) 31, 1973
 Pathophysiology of Himalayan endemic goitre. Karmarkar MG, et al.
Acta Endocrinol [Suppl] (Kbb) 38-9, 1973
 Pathogenesis and aetiology of endemic goitre in Greece. Koutras DA, et al.
Acta Endocrinol [Suppl] (Kbb) 45-6, 1973
 Endemic goitre in Finland. Lamberg BA.
Acta Endocrinol [Suppl] (Kbb) 23-5, 1973
 Serum thyrotropin in levels and response to TRH in the endemic goiter region of Israel. Lewitus Z, et al.
Acta Endocrinol [Suppl] (Kbb) 49-50, 1973
 Epidemiology of endemic goitre in Greece. Malamos B, et al. *Acta Endocrinol [Suppl] (Kbb)* 15, 1973
 Iodine nutrition and prevalence of endemic goiter in USA. Matovinovic I, et al.
Acta Endocrinol [Suppl] (Kbb) 17-8, 1973
 Iodine prophylaxis in conditions on an European continental country. Podoba J, et al.
Acta Endocrinol [Suppl] (Kbb) 108-9, 1973
 The Kangra Valley experiment: prevention of Himalayan endemic goitre with iodinated salt. Sooch SS, et al. *Acta Endocrinol [Suppl] (Kbb)* 110, 1973
 Factors which may alter the epidemiology of endemic goiter. Stanbury JB.
Acta Endocrinol [Suppl] (Kbb) 9-10, 1973
 Five years follow-up in the treatment of endemic goiter by iodized oil. Thilly CH, et al.
Acta Endocrinol [Suppl] (Kbb) 111-2, 1973
 Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. *Am J Clin Nutr* 27:96-103, Jan 74
 Endemic goiter in Greece: nutritional status, growth, and skeletal development of goitrous and non goitrous populations. Koutras DA, et al.
Am J Clin Nutr 28:1360-8, Dec 73
 [Epidemiologic distinctions of 2 neighbouring goiter districts, of which one has had iodine prophylaxis for 10 years] Bauer H, et al.
Acta Endocrinol [Suppl] (Kbb) 21-2, 1973 (Ger)

PATHOLOGY

- [Aspiration cytology in the diagnosis of endemic goiter] Lederer B, et al.
Acta Endocrinol [Suppl] (Kbb) 75-8, 1973 (Ger)

PHYSIOPATHOLOGY

- The incidence as a function of age of thyroid dysfunction for two populations living in a goitrogenic environment. Pathogenesis of endemic goiter. Delange F, et al.
Acta Endocrinol [Suppl] (Kbb) 29-30, 1973
 Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. *Am J Clin Nutr* 27:96-103, Jan 74
 [Euthyroid endemic goiter as a disease] Huher P. *Acta Endocrinol [Suppl] (Kbb)* 64-5, 1973 (Ger)
 [State of the cardiovascular system in patients with endemic goiter, residents of Kirghizian high- and low-lands] Akhunbaev IK, et al.
Probl Endokrinol (Mosk) 19:25-30, Nov-Dec 73 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

- The spectrum of iodine malnutrition and suggested management. Studies in Iraq and Iran in the Tigris River Basin. Caughey JE.
Acta Endocrinol [Suppl] (Kbb) 11-2, 1973
 Prophylaxis of endemic goitre. Hetzel BS.
Acta Endocrinol [Suppl] (Kbb) 101-2, 1973
 Iodine nutrition and prevalence of endemic goiter in USA. Matovinovic I, et al.
Acta Endocrinol [Suppl] (Kbb) 17-8, 1973
 Iodine prophylaxis in conditions on an European continental country. Podoba J, et al.
Acta Endocrinol [Suppl] (Kbb) 108-9, 1973
 Results of longterm iodine prophylaxis of endemic goiter in Yugoslavia. Ramzin SK, et al.
Acta Endocrinol [Suppl] (Kbb) 105-7, 1973
 The Kangra Valley experiment: prevention of Himalayan endemic goitre with iodinated salt. Sooch SS, et al. *Acta Endocrinol [Suppl] (Kbb)* 110, 1973
 Factors which may alter the epidemiology of endemic goiter. Stanbury JB.
Acta Endocrinol [Suppl] (Kbb) 9-10, 1973
 Five years follow-up in the treatment of endemic goiter by iodized oil. Thilly CH, et al.
Acta Endocrinol [Suppl] (Kbb) 111-2, 1973
 [Epidemiologic distinctions of 2 neighbouring goiter districts, of which one has had iodine prophylaxis for 10 years] Bauer H, et al.
Acta Endocrinol [Suppl] (Kbb) 21-2, 1973 (Ger)
 [Goiter recurrence prophylaxis in an endemic goiter region] Rainer O, et al.
Acta Endocrinol [Suppl] (Kbb) 99-100, 1973 (Ger)
 [Iodine prophylaxis of endemic goiter] Gandz AS. *Sov Med* 36:145, Mar 73 (Rus)

THERAPY

- Iodine nutrition and prevalence of endemic goiter in USA. Matovinovic I, et al.
Acta Endocrinol [Suppl] (Kbb) 17-8, 1973
 [Discussion of the aetiology of human endemic goitre (author's transl)] Taterka W.
Praxis 62:1444-8, 20 Nov 73 (Eng. Abstr.) (Fre)
 [Euthyroid endemic goiter as a disease] Huher P. *Acta Endocrinol [Suppl] (Kbb)* 64-5, 1973 (Ger)

GOITER, EXOPHTHALMIC

- [Twin pregnancy in a woman with Graves-Basedow disease] Sternadel Z, et al.
Ginekol Pol 44:1205-9, Oct 73 (Eng. Abstr.) (Pol)

BLOOD

- Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. *Clin Endocrinol (Oxf)* 2:369-76, Oct 73
 Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. Faglia G, et al.
Folia Endocrinol (Roma) 26:245-56, Aug 73
 [Blood level of sugar, free fatty acids and immunoreactive insulin in patients with diffuse toxic goiter during a course of glucose tolerance test] Zaripova ZKh, et al.
Probl Endokrinol (Mosk) 19:13-6, Nov-Dec 73 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

- [Iodine-induced Basedow's disease--still a current problem. Role of Swiss physicians in its discovery] Mach RS.
Schweiz Med Wochenschr 103:1481-7, Oct 73 (Eng. Abstr.) (Fre)

CLASSIFICATION

- [Classification of thyroid diseases] Klein E, et al.
Dtsch Med Wochenschr 98:2249-51, 23 Nov 73 (Ger)

COMPLICATIONS

- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease II. A follow-up

THYROID

GOITER, NODULAR

- study. *Algvere P, et al.*
Acta Ophthalmol (Kbh) 51:475-82, 1973
 Proceedings: Prethlial myxoedema and thyroid acropachy. Possible dermatitis herpetiformis. *Goldin D. Proc R Soc Med* 66:983-4, Oct 73
 [Thyroid hyperfunctioning states and disorders of cardiac rhythm] *Kulhertus H.*
Rev Med Liege 28:595-9, 1 Sep 73 (Fre)

DIAGNOSIS

- Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. *Bonnyns M, et al. Clin Endocrinol (Oxf)* 2:277-87, Jul 73
 [The elements of diagnosis in hyperthyroid syndromes] *Hennen G.*
Rev Med Liege 28:592-3, 1 Sep 73 (Fre)
 [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] *Emrich D, et al.*
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
 [Determination of thyrotropic hormone by radioimmunoassay] *Földes J, et al.*
Orv Hetil 114:3140-5, 30 Dec 73 (Hun)
 [Thyroid scintigraphy following thyroidectomy] *Hara M, et al.*
Jap J Nucl Med 10:405-12, Aug 73 (Eng. Abstr.) (Jap)

DRUG THERAPY

- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease. I. Short-term effects. *Algvere P, et al.*
Acta Ophthalmol (Kbh) 51:461-74, 1973
 Interaction of drugs with thyroid hormone binding sites. *Oppenheimer JH.*
Ann NY Acad Sci 226:333-40, 26 Nov 73 (26 ref.)
 Sequential assessment during drug treatment of thyrotoxicosis. *Alexander WD, et al.*
Clin Endocrinol (Oxf) 2:43-50, Jan 73
 Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. *Cevallos JL, et al. N Engl J Med* 290:141-3, 17 Jan 74
 [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] *Angelescu E, et al. Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)
 [Treatment of toxic goiter] *Doletskil Sla, et al. Khirurgia (Mosk)* 49:35-40, Jun 73 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

- Evolving concepts of the genetics of thyroid disease-a review. *Bartuska D.*
Am J Med Sci 266:249-52, Oct 73 (17 ref.)
 Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. *Bonnyns M, et al. Clin Endocrinol (Oxf)* 2:277-87, Jul 73

IMMUNOLOGY

- Reduced sensitivity of the thyroid to thyrotrophic hormone and LATS following treatment with antimicrosomal antibodies. *Földes J, et al.*
Acta Endocrinol (Kbh) 74:875-84, Dec 73
 Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. *Bonnyns M, et al. Clin Endocrinol (Oxf)* 2:277-87, Jul 73

METABOLISM

- Iodinated thyrolipids: their possible role in homonogenesis. *Shah DH, et al.*
Acta Endocrinol (Kbh) 74:461-74, Nov 73
 Studies on the biochemical properties of human thyroid gland mitochondria. *Inatsuki B, et al. J Biochem (Tokyo)* 74:837-48, Oct 73
 TSH stimulation of 32P incorporation into phospholipids of thyroids from patients with Graves' disease. *Schneider PB.*
J Clin Endocrinol Metab 38:148-50, Jan 74
 [Calcitonin content in the thyroid in goiter] *Holak H, et al.*
Endokrynol Pol 24:377-83, Sep-Oct 73 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

- Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation

- with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. *Ormston BJ, et al. Clin Endocrinol (Oxf)* 2:369-76, Oct 73
 Optic neuropathy of graves's disease. Treatment by transantral or transfrontal orbital decompression. *Gorman CA, et al. N Engl J Med* 290:70-5, 10 Jan 74
 [Evaluation of the pituitary-thyroid axis by the triiodothyronine test] *Szybiński Z, et al.*
Pol Arch Med Wewn 50:1189-96, Nov 73 (Eng. Abstr.) (Pol)

RADIOTHERAPY

- Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. *Cevallos JL, et al. N Engl J Med* 290:141-3, 17 Jan 74

SURGERY

- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease II. A follow-up study. *Algvere P, et al.*
Acta Ophthalmol (Kbh) 51:475-82, 1973
 Pterional orbital decompression in progressive ophthalmopathy of Graves' disease. I. Short-term effects. *Algvere P, et al.*
Acta Ophthalmol (Kbh) 51:461-74, 1973
 Optic neuropathy of graves's disease. Treatment by transantral or transfrontal orbital decompression. *Gorman CA, et al. N Engl J Med* 290:70-5, 10 Jan 74
 [Cortisol and parameters of cortisol binding with proteins in the course of surgical treatment of toxic goiter] *Puchalski Z.*
Pol Tyg Lek 28:1610-3, 8 Oct 73 (Pol)
 [Treatment of toxic goiter] *Doletskil Sla, et al. Khirurgia (Mosk)* 49:35-40, Jun 73 (Eng. Abstr.) (Rus)

THERAPY

- [The treatment of hyperthyroidism] *Winand R.*
Rev Med Liege 28:594-5, 1 Sep 73 (Fre)

GOITER, NODULAR

BLOOD

- Serum triiodothyronine in health and disease. *Patel YC, et al. Clin Endocrinol (Oxf)* 2:339-49, Oct 73

COMPLICATIONS

- Self-limiting episodes of Jodbasedow. *Nilsson G.*
Acta Endocrinol (Kbh) 74:475-82, Nov 73
 Superior vena caval obstruction with substernal thyroid. *Evans JT, et al.*
South Med J 67:3 passim, Jan 74
 [Rheumatoid arthritis and hyperthyroidism. Apropos of the association of rheumatoid arthritis and toxic adenoma] *Rampon S, et al.*
Rev Rhum Mal Osteoartic 40:503-13, Jul-Sep 73 (Eng. Abstr.) (Fre)

DIAGNOSIS

- [Scintigraphy and cytology in the early diagnosis of thyroid cancer] *Scazziga BR, et al.*
Helv Chir Acta 40:715-7, Dec 73 (Fre)
 [Autonomous adenoma in endemic goiter districts] *Höfer R.*
Acta Endocrinol [Suppl] (Kbh) 40, 1973 (Ger)
 [Cytological diagnosis of thin-needle biopsies in 2523 patients with non-toxic nodular goitre (author's transl)] *Galvan G, et al.*
Dtsch Med Wochenschr 98:2107-10, 9 Nov 73 (Eng. Abstr.) (Ger)
 [Practical value of aspiration biopsy of cystic thyroid nodes] *Smejkal V, et al.*
Endokrinologie 61:312-6, May 73 (Ger)
 [Scintillographic diagnosis] *Medeiros Neto GA de, et al. Rev Assoc Med Bras* 19:301-2, Jul 73 (Por)
 [Scintillographic diagnosis] *Neto GA de.*
Rev Assoc Med Bras 19:281-2, Jun 73 (Por)
 [Rapid biopsy by freezing and thyroid nodule (250 cases)] *Menchaca JR, et al.*
Rev Clin Esp 131:225-8, 15 Nov 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

- Treatment of the thyroid nodule. *McKenzie JM, et al. Adv Intern Med* 17:215-36, 1973 (98 ref.)

GOITER, NODULAR

[Indications and results of endemic goiter drug therapy with synthetic thyroid hormones] Horster FA, et al. *Acta Endocrinol [Suppl]* (Kbh) 89-90, 1973 (Ger)

ETIOLOGY

[Rheumatoid arthritis and hyperthyroidism. Apropos of the association of rheumatoid arthritis and toxic adenoma] Rampon S, et al. *Rev Rhum Mal Osteoartic* 40:503-13, Jul-Sep 73 (Eng. Abstr.) (Fre)

METABOLISM

Iodinated thyroloids: their possible role in homonogenesis. Shah DH, et al. *Acta Endocrinol* (Kbh) 74:461-74, Nov 73
Biochemical studies on endemic goiter glands before and one year after an injection of iodized oil. Medeiros-Neto GA, et al. *Acta Endocrinol [Suppl]* (Kbh) 97-8, 1973
Iodine metabolism in autonomous hot nodules of the thyroid. Koutras DA, et al. *Clin Endocrinol (Oxf)* 2:249-53, Jul 73
[Calcitonin content in the thyroid in goiter] Holak H, et al. *Endokrynol Pol* 24:377-83, Sep-Oct 73 (Eng. Abstr.) (Pol)
[Study of iodine-containing amino acid composition of crude and iodinated (in vitro) thyroglobulin under normal conditions and in thyroid diseases] Turakulov IaKh, et al. *Probl Endokrinol (Mosk)* 19:99-103, Nov-Dec 73 (Eng. Abstr.) (Rus)

OCCURRENCE

Endemic goitre in Finland. Lamberg BA. *Acta Endocrinol [Suppl]* (Kbh) 23-5, 1973

PATHOLOGY

The nodularity of nodular goitre. Taylor S. *Acta Endocrinol [Suppl]* (Kbh) 59-60, 1973
Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)
[The diagnosis of cold nodules in endemic goiters by means of thin needle biopsy and cytological analysis] Galvan G, et al. *Acta Endocrinol [Suppl]* (Kbh) 73-4, 1973 (Ger)
[Practical value of aspiration biopsy of cystic thyroid nodes] Smejkal V, et al. *Endokrinologie* 61:312-6, May 73 (Ger)
[Role of thyroid vessels and connective tissue in the morphogenesis of nodular goiter] Prokopchuk VS. *Arkhh Patol* 35:30-5, 1973 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Superior vena caval obstruction with substernal thyroid. Evans JT, et al. *South Med J* 67:3 passim, Jan 74

RADIOTHERAPY

Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)

SURGERY

[Cytological diagnosis of thin-needle biopsies in 2523 patients with non-toxic nodular goitre (author's transl)] Galvan G, et al. *Dtsch Med Wochenschr* 98:2107-10, 9 Nov 73 (Eng. Abstr.) (Ger)

THERAPY

The nodularity of nodular goitre. Taylor S. *Acta Endocrinol [Suppl]* (Kbh) 59-60, 1973

HYPERTHYROIDISM

[Level and structure of intelligence of patients with disorders of thyroid function (author's transl)] Kruskemper G, et al. *Dtsch Med Wochenschr* 98:2175-9, 16 Nov 73 (Eng. Abstr.) (Ger)

THYROID

BLOOD

Serum thyrotrophin response to thyrotrophin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Gordlin A, et al. *Acta Endocrinol* (Kbh) 74:111-21, Sep 73
Serum thyroxine: results compared for a commercial radioimmunoassay and a commercial competitive protein binding analysis. Kubasik NP, et al. *Clin Chem* 19:1307-8, Nov 73
Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
A new radioimmunoassay method for serum triiodothyronine using sephadex G25 column. Shimizu T, et al. *Endocrinol Jap* 20:365-8, Aug 73
Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al. *Experientia* 29:1398-9, 15 Nov 73
Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. Faglia G, et al. *Folia Endocrinol (Roma)* 26:245-56, Aug 73
Serum immunoglobulin levels in health and disease. I. Immunoglobulins in normal and thyroid diseases. Dasgupta A, et al. *Indian J Med Res* 61:1-7, Jan 73
Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73
The thyroid and atherosclerotic arterial disease. Menof P. *S Afr Med J* 47:2315-25, 8 Dec 73
Free and total thyroxine in serum. Ranges and sex differences for selected normals, patients with thyroid disease, and pregnant women. Keistrup J. *Scand J Clin Lab Invest* 32:227-31, Nov 73
Effect of heparinoid on free thyroxine concentration in human serum. Sakurada T, et al. *Tohoku J Exp Med* 110:209-24, Jul 73
[Plasma renin activity and its changes after stimulation in patients with thyrotoxicosis] Koev D. *Vutr Boles* 12:65-70, 1973 (Eng. Abstr.) (Bul)
[Triiodothyronine, physiological, physiopathological and clinical importance (comprehensive review)] Halner V, et al. *Vnitr Lek* 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
[T3-hyperthyreosis] Aro A. *Duodecim* 89:1406-8, Jul 73 (Fin)
[T4-test, thyro-binding-index, and free-thyroxine-index in children (author's transl)] Lüders D. *Monatsschr Kinderheilkd* 121:659-65, Nov 73 (Eng. Abstr.) (Ger)
[Blood triiodothyronine level in iodavide thyroid gland] Goebel R, et al. *Wlen Z Inn Med* 54:131-6, 1973 (Eng. Abstr.) (Ger)
[Sodium and potassium in erythrocytes (author's transl)] Nagaki J, et al. *Jap J Clin Pathol* 21:653-7, Aug 73 (Jap)
[Electrophoretic mobility of blood serum proteins in thyrotoxicosis and hypothyroidism] Romaskevich OI, et al. *Ukr Biokhim Zh* 45:432-4, Jul-Aug 73 (Eng. Abstr.) (Ukr)

CHEMICALLY INDUCED

Self-limiting episodes of Jodbasedow. Nilsson G. *Acta Endocrinol* (Kbh) 74:475-82, Nov 73
The spectrum of iodine malnutrition and suggested management. Studies in Iraq and Iran in the Tigris River Basin. Caughey JE. *Acta Endocrinol [Suppl]* (Kbh) 11-2, 1973
Prophylaxis of endemic goitre. Hetzel BS. *Acta Endocrinol [Suppl]* (Kbh) 101-2, 1973
Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al. *Experientia* 29:1398-9, 15 Nov 73
The effects of thyroid hormone on vitamin D-induced nephrocalcinosis. Newman RJ. *J Pathol* 111:13-21, Sep 73
[Can thyroxine start hyperthyroidism in endemic goiters?] Foldenauer A. *Acta Endocrinol [Suppl]* (Kbh) 79, 1973 (Ger)
[ST-T segment changes in the ECG in factitial thyrotoxicosis] Jost F. *Z Kardiol* 62:845-50, Sep 73 (Eng. Abstr.) (Ger)
[Change in the catecholamine and serotonin content in the brain in hyper- and hypothyroid states] Savitskii Siu. *Vrach Delo* 5:91-4, May 73 (Eng. Abstr.) (Rus)

THYROID

HYPERTHYROIDISM

CLASSIFICATION

[Classification of thyroid diseases] Klein E, et al. *Dtsch Med Wochenschr* 98:2249-51, 23 Nov 73 (Ger)

COMPLICATIONS

Hyperthyroidism and adult celiac disease. Wall AJ, et al. *Am J Gastroenterol* 60:387-93, Oct 73

Subconjunctival hemorrhage as a complication of ophthalmodynamometry in an anticoagulated patient. Browne TR, et al. *Am J Ophthalmol* 76:981-3, Dec 73

Thyroid optic neuropathy: to decompress or not? Crawford BA. *Aust J Ophthalmol* 1:6-11, Feb 73

Possible potentiation of haloperidol neurotoxicity in acute hyperthyroidism. Lake CR, et al. *Br J Psychiatry* 123:523-5, Nov 73

Hyperthyroid osteoporosis. A case study in differential diagnosis. Kalish SR, et al. *J Am Podiatry Assoc* 64:35-45, Jan 74

The co-existence of parathyroid and thyroid disease. II. Primary hyperparathyroidism and thyrotoxicosis. Hajjar ET, et al. *J Med Liban* 26:247-52, 1973

Letter: Death in thyrotoxicosis. Petheram IS. *Lancet* 2:1151, 17 Nov 73

[Hyperthyroidism coexisting with thyroid cancer: report of 3 cases] Tseng YZ, et al. *J Formosan Med Assoc* 72:356-66, Jun 73 (Eng. Abstr.)

(Chl)

[Fever and endocrinopathies] Gilnoer D, et al. *Acta Clin Belg* 28:238-45, Jul 73 (Eng. Abstr.) (Fre)

[Treatment of cardiac complications in hyperthyroidism] Carlier J. *Rev Med Liege* 28:601-5, 1 Sep 73 (Fre)

[Cardiac insufficiency in hyperthyroidism] Collignon P. *Rev Med Liege* 28:599-601, 1 Sep 73 (Fre)

[Thyroid hyperfunctioning states and disorders of cardiac rhythm] Kulbertus H. *Rev Med Liege* 28:595-9, 1 Sep 73 (Fre)

[Rheumatoid arthritis and hyperthyroidism. Apropos of the association of rheumatoid arthritis and toxic adenoma] Rampon S, et al. *Rev Rhum Mal Osteoartic* 40:503-13, Jul-Sep 73 (Eng. Abstr.)

(Fre)

[Heart and thyroid. Clinical and physiopathological aspects] Boukhris R. *Tunis Med* 50:377-80, Sep-Oct 72 (Fre)

[Case of Grönhalid-Strandberg syndrome complicating hyperthyroidism] Ono I, et al. *Clin Endocrinol (Tokyo)* 21:841-4, Aug 73 (Jap)

[Case of Creutzfeldt-Jakob disease] Kaspersek S, et al. *Neuropatol Pol* 11:215-21, Apr-Jun 73 (Eng. Abstr.)

(Pol)

[Osteoporosis and hyperthyroidism] Kopczyńska-Kowalczykowska, et al. *Poi Przegl Radiol* 37:589-95, Sep-Oct 73 (Eng. Abstr.)

(Pol)

[2 cases of diabetes complicated by hyperthyroidism] Sadkiewicz A, et al. *Wlad Lek* 26:2255-8, 15 Dec 73 (Eng. Abstr.) (Pol)

[Collagen in endocrine diseases with bone involvement] Ganea E. *Stud Cercet Endocrinol* 24:473-82, 1973 (Rum)

[Efficacy in the use of beta-adrenergic blockers in the treatment of thyrotoxic disorders of the heart] Smolenskif VS, et al. *Probl Endokrinol (Mosk)* 19:20-5, Nov-Dec 73 (Eng. Abstr.)

(Rus)

[Jaundice in thyrotoxicosis and differential diagnosis in Botkin's disease] Gorbunova MI. *Vrach Delo* 8:151-2, Aug 73 (Rus)

[Comparative characteristics of antiarrhythmic activity of certain drugs in patients with thyrotoxic auricular fibrillation] Rom-Bugoslavskaia ES, et al. *Vrach Delo* 8:82-4, Aug 73 (Eng. Abstr.) (Rus)

(Rus)

DIAGNOSIS

The diagnostic and prognostic value of the 20 min 99mTc-uptake in the thyroid gland. Kirkegaard C, et al. *Acta Endocrinol (Kbh)* 74:659-65, Dec 73

Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)

"Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L. *Am J Clin Pathol* 61:118-21, Jan 74

Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. Bonnyns M, et al. *Clin Endocrinol (Oxf)* 2:277-87, Jul 73

Trilodothyronine. Hoffenberg R.

Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)

Hypothyroidism in psychogeriatric patients--ankle jerk reaction time as a screening technique. Cropper CF. *Gerontol Clin (Basel)* 15:15-24, 1973

Thyroid function tests--an enigma? Schroffner WG. *Hawaii Med J* 32:325-6, Sep-Oct 73

The examination of intrinsic heart rate in the differential diagnosis of hyperthyroidism and vegetative dystonia, in hypertension and in congestive heart failure due to coronary sclerosis.

Biró L, et al. *Int J Clin Pharmacol* 8:126-30, Oct 73

Hyperfunctioning thyroid nodules that become "cold". Burman KD, et al. *Med Ann DC* 42:541-4, Nov 73

The value of early trilodothyronine suppression test in the prognosis of thyrotoxicosis. Nielsen ES, et al. *Scand J Clin Lab Invest* 31:395-8, Jun 73

[The elements of diagnosis in hyperthyroid syndromes] Hennen G. *Rev Med Liege* 28:592-3, 1 Sep 73 (Fre)

[Autonomous adenoma in endemic goiter districts] Höfer R. *Acta Endocrinol [Suppl] (Kbh)* 40, 1973 (Ger)

[Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al. *Dtsch Med Wochenschr* 98:2169-74, 16 Nov 73 (Eng. Abstr.)

(Ger)

[Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al. *Dtsch Med Wochenschr* 98:2362-70, 7 Dec 73 (Ger)

[Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.)

(Ger)

[Temporal course of the Achilles tendon reflex in arteriosclerosis] Zdichynec B. *Z Gesamte Inn Med* 28:462-5, 1 Aug 73 (Eng. Abstr.)

(Ger)

[Usefulness of the Korotkoff tones (QKD-interval) as a screening test for the diagnosis of thyroid gland function] Zieger B. *Z Gesamte Inn Med* 28:492-7, 15 Aug 73 (Eng. Abstr.)

(Ger)

[ST-T segment changes in the ECG in factitial thyrotoxicosis] Jost F. *Z Kardiol* 62:845-50, Sep 73 (Eng. Abstr.) (Ger)

[Value of symptoms and diagnostic tests in the differentiation between hyperthyroidism and euthyroidism] Wasyluk H, et al. *Pol Arch Med Wewn* 50:1211-25, Nov 73 (Eng. Abstr.)

(Pol)

[Quantitative problems of symptomatology in thyroid hyperfunction] Wasyluk H, et al. *Pol Arch Med Wewn* 50:1197-209, Nov 73 (Eng. Abstr.)

(Pol)

DRUG THERAPY

The diagnostic and prognostic value of the 20 min 99mTc-uptake in the thyroid gland. Kirkegaard C, et al. *Acta Endocrinol (Kbh)* 74:659-65, Dec 73

Binding of folic acid to serum proteins. II. The effect of diphenylhydantoin treatment and of various diseases. Markkanen T, et al. *Acta Haematol (Basel)* 50:284-92, 1973

Hyperthyroidism and adult celiac disease. Wall AJ, et al. *Am J Gastroenterol* 60:387-93, Oct 73

Anaesthesia for thyroid surgery. Holmes JL, et al. *Anaesth Intensive Care* 1:218-25, Feb 73

Beta-adrenergic blocking drugs in anaesthesia. Warden JC. *Anaesth Intensive Care* 1:289-92, May 73

Letter: Adrenergic-blocking drugs in hyperthyroidism. Distiller LA, et al. *Ann Intern Med* 79:899-900, Dec 73

Possible potentiation of haloperidol neurotoxicity in acute hyperthyroidism. Lake CR, et al. *Br J Psychiatry* 123:523-5, Nov 73

Sequential assessment during drug treatment of thyrotoxicosis. Alexander WD, et al. *Clin Endocrinol (Oxf)* 2:43-50, Jan 73

Studies of thyroid function using 99Tcm in thyrotoxic patients during treatment with antithyroid drugs. Goolden AW, et al. *Clin Endocrinol (Oxf)* 2:65-73, Jan 73

Serum trilodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73

Non-parallel return of PBI and ankle-jerk time values to normal during initial high-dose thyrostatic treatment. Váňa S, et al. *Endokrinologie* 61:329-33, Jun 73

HYPERTHYROIDISM

- Propranolol in treatment of neonatal thyrotoxicosis. Smith CS, et al. *J Pediatr* 83:1046-8, Dec 73
- Treatment of hyperthyroidism in pregnancy. Jackson GL. *Pa Med* 76:56-7, Dec 73
- The value of early triiodothyronine suppression test in the prognosis of thyrotoxicosis. Nielsen ES, et al. *Scand J Clin Lab Invest* 31:395-8, Jun 73
- Radioimmunoassay of triiodothyronine. Sakurada T, et al. *Tohoku J Exp Med* 110:329-40, Aug 73
- [Treatment of cardiac complications in hyperthyroidism] Carlier J. *Rev Med Liege* 28:601-5, 1 Sep 73 (Fre)
- [Significance of the Effective Thyroxine Ratio-ETR for the course evaluation of thyroid-specific therapy] Vosberg H, et al. *Med Welt* 24:1535-6, 5 Oct 73 (Ger)
- [Proof of increased hypothalamic activity] Mosonyi L, et al. *Wien Z Inn Med* 54:114-9, 1973 (Eng. Abstr.) (Ger)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)
- [Function of hypophysis and adrenal cortex in thyrotoxicosis before and during treatment with radiolodine] Babadzhanova Siu, et al. *Probl Endokrinol (Mosk)* 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Evaluation of the inotropic effect of calcium chloride and caffeine on the myocardium in patients with thyrotoxicosis] Rom-Bugoslavska OS. *Fiziol Zh* 19:402-6, May-Jun 73 (Ukr)

ENZYMOLGY

- [Some observations on the mechanism of increase of plasma renin activity in hyperthyroidism (author's transl)] Azumi T. *Jap J Nephrol* 15:401-13, May 73 (Eng. Abstr.) (Jap)

ETIOLOGY

- Self-limiting episodes of Jodbasedow. Nilsson G. *Acta Endocrinol (Kbh)* 74:475-82, Nov 73
- [Rheumatoid arthritis and hyperthyroidism. Apropos of the association of rheumatoid arthritis and toxic adenoma] Rampon S, et al. *Rev Rhum Mal Osteoartic* 40:503-13, Jul-Sep 73 (Eng. Abstr.) (Fre)
- [Euthyroid endemic goiter as a disease] Huber P. *Acta Endocrinol [Suppl]* (Kbh) 64-5, 1973 (Ger)
- [Hyperthyroid reactions during convalescence after infectious hepatitis] Gidaly M, et al. *Z Gesamte Inn Med* 28:591-3, 1 Oct 73 (Eng. Abstr.) (Ger)
- [Morphological changes in the thyroid gland in female white rats submitted to vibration during estrus cycle] Kryk B, et al. *Ginek Pol* 44:1363-70, Dec 73 (Eng. Abstr.) (Pol)
- [Function of hypophysis and adrenal cortex in thyrotoxicosis before and during treatment with radiolodine] Babadzhanova Siu, et al. *Probl Endokrinol (Mosk)* 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

- Evolving concepts of the genetics of thyroid disease-a review. Bartuska D. *Am J Med Sci* 266:249-52, Oct 73 (17 ref.)

IMMUNOLOGY

- [Incidence and significance of auto-antibodies in hypothyroidism (author's transl)] Uthgenannt H, et al. *Dtsch Med Wochenschr* 99:12-3, 4 Jan 74 (Eng. Abstr.) (Ger)
- [Proof of increased hypothalamic activity] Mosonyi L, et al. *Wien Z Inn Med* 54:114-9, 1973 (Eng. Abstr.) (Ger)

METABOLISM

- Self-limiting episodes of Jodbasedow. Nilsson G. *Acta Endocrinol (Kbh)* 74:475-82, Nov 73
- Uptake of radioactive ⁸⁵Sr by the spine in patients with untreated and treated hyperthyroidism. Anttonen VM, et al. *Ann Clin Res* 5:225-30, Aug 73
- Letter: Thyroid uptake. Kirkman S. *Br J Radiol* 47:65-7, Jan 74
- The use of silica gel for human calcitonin isolation in

THYROID

- some thyroid diseases. Lorenc RS, et al. *Endocrinol Exp (Bratisl)* 7:267-73, 1973
- Studies on the metabolic clearance rate, apparent distribution space and plasma half-disappearance time of unlabelled human growth hormone in normal subjects and in patients with liver disease, renal disease, thyroid disease and diabetes mellitus. Owens D, et al. *Eur J Clin Invest* 3:284-94, Jul 73
- Comparison of intravenous and peroral galactose elimination tests with and without ethanol in different clinical conditions. Kesäniemi YA, et al. *Scand J Gastroenterol* 8:593-8, 1973
- Intravenous galactose elimination tests with and without ethanol loading in various clinical conditions. Salaspuro MP, et al. *Scand J Gastroenterol* 8:681-6, 1973
- A case of triiodothyronine-secretor with hypo-metabolism. Sakurada T, et al. *Tohoku J Exp Med* 110:319-27, Aug 73
- [Triiodothyronine, physiological, physiopathological and clinical importance (comprehensive review)] Halner V, et al. *Vntr Lek* 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
- [Cardiovascular adaptations and the orthosympathetic system in hyperthyroidism] Lecomte J. *Rev Med Liege* 28:589-92, 1 Sep 73 (Fre)
- [Function of hypophysis and adrenal cortex in thyrotoxicosis before and during treatment with radiolodine] Babadzhanova Siu, et al. *Probl Endokrinol (Mosk)* 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)

MORTALITY

- Letter: Death in thyrotoxicosis. Petheram IS. *Lancet* 2:1151, 17 Nov 73

PATHOLOGY

- Letter: Death in thyrotoxicosis. Petheram IS. *Lancet* 2:1151, 17 Nov 73
- [Hyperthyroidism coexisting with thyroid cancer: report of 3 cases] Tseng YZ, et al. *J Formosan Med Assoc* 72:356-66, Jun 73 (Eng. Abstr.) (Chi)
- [Morphological changes in the thyroid gland in female white rats submitted to vibration during estrus cycle] Kryk B, et al. *Ginek Pol* 44:1363-70, Dec 73 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

- Evidence for intestinal malabsorption of iodine in protein-calorie malnutrition. Ingenbleek Y, et al. *Am J Clin Nutr* 26:1323-30, Dec 73
- Sequential assessment during drug treatment of thyrotoxicosis. Alexander WD, et al. *Clin Endocrinol (Oxf)* 2:43-50, Jan 73
- Studies of thyroid function using ⁹⁹Tcm in thyrotoxic patients during treatment with antithyroid drugs. Goulden AW, et al. *Clin Endocrinol (Oxf)* 2:65-73, Jan 73
- Studies on sweating in clinical and experimental thyrotoxicosis. Allen JA, et al. *Clin Sci Mol Med* 45:765-73, Dec 73
- The examination of intrinsic heart rate in the differential diagnosis of hyperthyroidism and vegetative dystonia, in hypertension and in congestive heart failure due to coronary sclerosis. Biró L, et al. *Int J Clin Pharmacol* 8:126-30, Oct 73
- Propranolol in treatment of neonatal thyrotoxicosis. Smith CS, et al. *J Pediatr* 83:1046-8, Dec 73
- The pharmacology of extrapyramidal movement disorders. Klawans HL Jr. *Monogr Neural Sci* 2:1-136, 1973 (311 ref.)
- [EEG study of hyperthyroidism and hypothyroidism] Roth B, et al. *Cesk Neurol Neurochir* 36:284-93, Oct 73 (Eng. Abstr.) (Cze)
- [Cardiovascular adaptations and the orthosympathetic system in hyperthyroidism] Lecomte J. *Rev Med Liege* 28:589-92, 1 Sep 73 (Fre)
- [Blood triiodothyronine level in iodide thyroid gland] Goebel R, et al. *Wien Z Inn Med* 54:131-6, 1973 (Eng. Abstr.) (Ger)
- [Proof of increased hypothalamic activity] Mosonyi L, et al. *Wien Z Inn Med* 54:114-9, 1973 (Eng. Abstr.) (Ger)
- [Cardiac output and total serum volume--the standard

THYROID

HYPOTHYROIDISM

- value and changes in various diseases] Ishii Y. *Jap Circ J* 37:989-97, Aug 73 (Eng. Abstr.) (Jap)
- [Effects of neuroleptanalgesia on thyroid function in thyrotoxicosis] Takahashi H. *Jap J Anesthesiol* 22:770-7, Aug 73 (Eng. Abstr.) (Jap)
- [Recording of eyeball pulsations] Bolechowski F, et al. *Kardiol Pol* 16:367-72, 1973 (Pol)
- [Cardiodynamics in patients with cardiovascular pathology during physical exercise] Syrkina AL, et al. *Kardiologia* 13:101-6, Jan 73 (Eng. Abstr.) (Rus)
- [Thyroid gland and the stomach] Mosin VI. *Klin Med (Mosk)* 51:15-21, Jan 73 (84 ref.) (Rus)
- [Excretion of catecholamines in patients with thyrotoxicosis] Levitan AM. *Lab Delo* 5:291-2, 1973 (Rus)
- [Determination of cardiac output and the work of the heart by a radiocardiographic method in thyrotoxicosis] Samvelian EO. *Zh Eksp Klin Med* 13:53-7, Feb 73 (Rus)

RADIOTHERAPY

- Letter: Thyroid cancer after iodine-131 therapy. McDougall IR. *JAMA* 227:438, 28 Jan 74
- [Development of hypothyroidism following administration of a small dose of 131-I for hyperthyroidism] Ahe T, et al. *Clin Endocrinol (Tokyo)* 21:965-7, Sep 73 (Jap)
- [2 cases of diabetes complicated by hyperthyroidism] Sadowski W, et al. *Wiad Lek* 26:2255-8, 15 Dec 73 (Eng. Abstr.) (Pol)

SURGERY

- Thyroid crisis complicating thyrotoxicosis. Umunna RC. *Niger Nurse* 5:9-11, Jul-Sep 73
- [The treatment of hyperthyroidism] Winand R. *Rev Med Liege* 28:594-5, 1 Sep 73 (Fre)
- [Thyrotoxicosis treated surgically. A 5-year material from Drammen Hospital] Foss NE, et al. *Tidsskr Nor Laegeforen* 93:2017-20, 30 Sep 73 (Eng. Abstr.) (Nor)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)
- [Surgical treatment of postoperative recurrent goiter] Nikolaev OV, et al. *Khirurgiya (Mosk)* 49:100-3, Nov 73 (Eng. Abstr.) (Rus)

THERAPY

- [The treatment of hyperthyroidism] Winand R. *Rev Med Liege* 28:594-5, 1 Sep 73 (Fre)
- [The treatment of hyperthyroidism] Haugen HN. *Tidsskr Nor Laegeforen* 93:2050-2, 30 Sep 73 (Nor)

HYPOTHYROIDISM

- A comparison of the clinical features in endemic cretinism. Stanbury J. *Acta Endocrinol [Suppl] (Kbh)* 66-8, 1973
- Hypothyroidism. Berlinger FG. *Ill Med J* 141:537-40, Jun 73
- [Level and structure of intelligence of patients with disorders of thyroid function (author's transl)] Kruskemper G, et al. *Dtsch Med Wochenschr* 98:2175-9, 16 Nov 73 (Eng. Abstr.) (Ger)

BLOOD

- Somatotropic and corticotrophic functions in primary hypothyroidism before and after thyroxine treatment. Minozzi M, et al. *Acta Endocrinol (Kbh)* 74:483-91, Nov 73
- Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74
- Serum thyroxine: results compared for a commercial radioimmunoassay and a commercial competitive protein binding analysis. Kubasik NP, et al. *Clin Chem* 19:1307-8, Nov 73
- Separation of tissue and serum creatine kinase isoenzymes by ion-exchange column chromatography. Mercer DW. *Clin Chem* 20:36-40, 1974
- Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
- A new radioimmunoassay method for serum

- triiodothyronine using sephadex G25 column. Shimizu T, et al. *Endocrinol Jap* 20:365-8, Aug 73
- Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. Cevallos JL, et al. *N Engl J Med* 290:141-3, 17 Jan 74
- Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73
- Erythropoiesis in hypothyroidism. Donati RM, et al. *Proc Soc Exp Biol Med* 144:78-82, 1 Oct 73
- Free and total thyroxine in serum. Ranges and sex differences for selected normals, patients with thyroid disease, and pregnant women. Kelstrup J. *Scand J Clin Lab Invest* 32:227-31, Nov 73
- Radioimmunoassay of triiodothyronine. Sakurada T, et al. *Tohoku J Exp Med* 110:329-40, Aug 73
- Effect of heparinoid on free thyroxine concentration in human serum. Sakurada T, et al. *Tohoku J Exp Med* 110:209-24, Jul 73
- [Triiodothyronine, physiological, physiopathological and clinical importance (comprehensive review)] Hainer V, et al. *Vnitř Lek* 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
- [Letter: Are patients with increased serum TSH euthyretic?] Scriba PC. *Dtsch Med Wochenschr* 98:2219, 16 Nov 73 (Ger)
- [T4-test, thyro-binding-index, and free-thyroxine-index in children (author's transl)] Lüders D. *Monatsschr Kinderheilkd* 121:659-65, Nov 73 (Eng. Abstr.) (Ger)
- [Stability of erythrocytes under the effect of ultrasound under normal conditions and in hypothyroidism] Smik MM, et al. *Fiziol Zh* 19:406-7, May-Jun 73 (Ukr)
- [Electrophoretic mobility of blood serum proteins in thyrotoxicosis and hypothyroidism] Romaskevich OI, et al. *Ukr Biokhim Zh* 45:432-4, Jul-Aug 73 (Eng. Abstr.) (Ukr)

CHEMICALLY INDUCED

- Differential effects of hypothyroidism and undernutrition on the development of glia in the rat cerebellum. Cios J, et al. *Brain Res* 63:445-9, 7 Dec 73
- The development of abnormal cerebellar astrocytes in young hypothyroid rats. Pesetsky I. *Brain Res* 63:456-60, 7 Dec 73
- Serum thyrotropin and hypothyroidism during lithium therapy. Lindstedt G, et al. *Clin Chim Acta* 48:127-33, 12 Oct 73
- Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksi SN. *J Endocrinol* 59:655-6, Dec 73
- Biosynthesis and composition of brain galactolipids in normal and hypothyroid rats. Mantzos JD, et al. *J Neurochem* 21:1207-13, Nov 73
- The effects of thyroid hormone on vitamin D-induced nephrocalcinosis. Newman RJ. *J Pathol* 111:13-21, Sep 73
- [Change in the catecholamine and serotonin content in the brain in hyper- and hypothyroid states] Savitskiy SIu. *Vrach Delo* 5:91-4, May 73 (Eng. Abstr.) (Rus)

CLASSIFICATION

- [Classification of thyroid diseases] Klein E, et al. *Dtsch Med Wochenschr* 98:2249-51, 23 Nov 73 (Ger)

COMPLICATIONS

- Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74
- Atbyreotic arthropathy in swine. Oliver JW, et al. *Am J Vet Res* 34:1539-47, Dec 73
- Down's syndrome with diabetes mellitus and hypothyroidism. Sbaheed WA, et al. *Arch Dis Child* 48:917-8, Nov 73
- On the relation of dystonic movements to serum thyroxine levels. Remillard GM, et al. *Can Med Assoc J* 110:59-61, 5 Jan 74
- Endocrinopathy and IgA deficiency. Silver HK, et al. *Clin Immunol Immunopathol* 1:212-9, Jan 73
- Familial hyperlipoproteinemia and thyroid dysfunction of beagles. Manning PJ, et al. *Exp Mol Pathol* 19:378-88, Dec 73

HYPOTHYROIDISM

- Diagnostic index for premyxoedema. Ikram H, et al. *Lancet* 2:1405-8, 22 Dec 73
- Sexual maturation in juvenile hypothyroidism. Barnes ND, et al. *Mayo Clin Proc* 48:849-56, Dec 73
- The thyroid and atherosclerotic arterial disease. Menof P. *S Afr Med J* 47:2315-25, 8 Dec 73
- [Heart and thyroid. Clinical and physiopathological aspects] Boukhris R. *Tunis Med* 50:377-80, Sep-Oct 72 (Fre)
- [Classification and diet therapy of hyperlipemia] Heyden S. *Dtsch Med Wochenschr* 99:141-4, 25 Jan 74 (Ger)
- [Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)
- [Addison-Biermer disease associated with vitiligo, diabetes and hypothyroidism] Chojnacki J, et al. *Poi Tyg Lek* 28:1817-8, 12 Nov 73 (Eng. Abstr.) (Pol)
- [Collagen in endocrine diseases with bone involvement] Ganea E. *Stud Cercet Endocrinol* 24:473-82, 1973 (Rum)
- [Dynamics of the phase structure of the cardiac cycle in pregnant women with hypothyroidism] Dzivalan AM. *Vopr Okhr Materin Det* 18:64-7, Aug 73 (Eng. Abstr.) (Rus)
- [Anemia and hypothyroidism. Ferrokinetic studies] Marañón A, et al. *Rev Iber Endocrinol* 20:389-603, Nov-Dec 73 (Eng. Abstr.) (Spa)

CONGENITAL

- On the relation of dystonic movements to serum thyroxine levels. Remillard GM, et al. *Can Med Assoc J* 110:59-61, 5 Jan 74
- [Neonatal diagnosis of hereditary metabolic diseases] Lambotte C. *Rev Med Liege* 28:837-51, 15 Dec 73 (Fre)
- [Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

DIAGNOSIS

- "Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L. *Am J Clin Pathol* 61:118-21, Jan 74
- Serum thyrotropin and hypothyroidism during lithium therapy. Lindstedt G, et al. *Clin Chim Acta* 48:127-33, 12 Oct 73
- An assessment of plasma TSH radioimmunoassay and of the TSH stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism. Irvine WJ, et al. *Clin Endocrinol (Oxf)* 2:135-9, Apr 73
- Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:127-34, Apr 73
- Thyroid function tests--an enigma? Schroffner WG. *Hawaii Med J* 32:325-6, Sep-Oct 73
- Hypothyroidism. Berlinger FG. *Ill Med J* 141:537-40, Jun 73
- Diagnostic index for premyxoedema. Ikram H, et al. *Lancet* 2:1405-8, 22 Dec 73
- Sexual maturation in juvenile hypothyroidism. Barnes ND, et al. *Mayo Clin Proc* 48:849-56, Dec 73
- Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. Cevallos JL, et al. *N Engl J Med* 290:141-3, 17 Jan 74
- Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73
- [Neonatal diagnosis of hereditary metabolic diseases] Lambotte C. *Rev Med Liege* 28:837-51, 15 Dec 73 (Fre)
- [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al. *Dtsch Med Wochenschr* 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
- [Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al. *Dtsch Med Wochenschr* 98:2362-70, 7 Dec 73 (Ger)
- [Ectopic thyroid gland] Schönberger A, et al. *Dtsch Zahn Mund Kieferheilkd* 61:85-92, Aug 73 (Eng. Abstr.) (Ger)
- [Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)
- [Use of the TSH releasing hormone in examination of the hypothalamo-hypophyseal-thyroid system]

THYROID

- Policzer M, et al. *Z Aerzt Fortbild (Jena)* 67:872-5, 1 Sep 73 (Ger)
- [Temporal course of the Achilles tendon reflex in arteriosclerosis] Zdichynec B. *Z Gesamte Inn Med* 28:462-5, 1 Aug 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

- Somatotrophic and corticotrophic functions in primary hypothyroidism before and after thyroxine treatment. Minozzi M, et al. *Acta Endocrinol (Kbh)* 74:483-91, Nov 73
- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease II. A follow-up study. Algvere P, et al. *Acta Ophthalmol (Kbh)* 51:475-82, 1973
- An autopsy case of congenital goiter. Okayasu I, et al. *Acta Pathol Jap* 23:531-7, Aug 73
- Down's syndrome with diabetes mellitus and hypothyroidism. Shaheed WA, et al. *Arch Dis Child* 48:917-8, Nov 73
- On the relation of dystonic movements to serum thyroxine levels. Remillard GM, et al. *Can Med Assoc J* 110:59-61, 5 Jan 74
- Trilodothyrone. Hoffenberg R. *Clin Endocrinol (Oxf)* 2:75-87, Jan 73 (79 ref.)
- Hypothyroidism in psychogeriatric patients--ankle jerk reaction time as a screening technique. Cropper CF. *Gerontol Clin (Basel)* 15:15-24, 1973
- Hypothyroidism. Berlinger FG. *Ill Med J* 141:537-40, Jun 73
- Letter: Replacement therapy for hypothyroidism in the dog. Siegel ET. *J Am Vet Med Assoc* 164:4-5, 1 Jan 74
- Radioimmunoassay of trilodothyrone. Sakurada T, et al. *Tohoku J Exp Med* 110:329-40, Aug 73
- [Prolonged clinical use of an association of synthetic thyroid hormones in thyroid insufficiency and euthyroid goiter] Luyckx A. *Rev Med Liege* 28:702-11, 15 Oct 73 (Fre)
- [Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

ENZYMOLGY

- Thyroidal regulation of ATP-ase activity in the liver. Kulcsár A, et al. *Endokrinologie* 61:339-41, Jun 73

ETIOLOGY

- Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al. *Aust NZ J Med* 3:371-5, Aug 73
- Hypothyroidism. Berlinger FG. *Ill Med J* 141:537-40, Jun 73
- Diagnostic index for premyxoedema. Ikram H, et al. *Lancet* 2:1405-8, 22 Dec 73
- Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. Cevallos JL, et al. *N Engl J Med* 290:141-3, 17 Jan 74
- Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73
- [Partially regressive, early major hypothyroidism in 2 cases of Pendred's syndrome] Safar A, et al. *Arch Fr Pediatr* 30:843-8, 1973 (Eng. Abstr.) (Fre)
- [Incidence and significance of auto-antibodies in hypothyroidism (author's transl)] Uthgenannt H, et al. *Dtsch Med Wochenschr* 99:12-3, 4 Jan 74 (Eng. Abstr.) (Ger)
- [Ectopic thyroid gland] Schönberger A, et al. *Dtsch Zahn Mund Kieferheilkd* 61:85-92, Aug 73 (Eng. Abstr.) (Ger)
- [Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotropin releasing hormone (TRH)] Silvestrini F, et al. *Folia Endocrinol (Roma)* 26:398-406, Oct 73 (Ita)
- [Development of hypothyroidism following administration of a small dose of 131-I for hyperthyroidism] Abe T, et al. *Clin Endocrinol (Tokyo)* 21:965-7, Sep 73 (Jap)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)
- [Electrophoretic mobility of blood serum proteins in thyrotoxicosis and hypothyroidism] Romankevich OI, et al.

THYROID

MYXEDEMA

Ukr Biokhim Zh 45:432-4, Jul-Aug 73 (Eng. Abstr.)
(Ukr)

FAMILIAL & GENETIC

Early onset of pernicious anaemia in two siblings: genetic and autoimmune aspects. Hall CA, et al.
Br J Haematol 25:751-6, Dec 73

IMMUNOLOGY

[Incidence and significance of auto-antibodies in hypothyroidism (author's transl)] Utgenannt H, et al.
Dtsch Med Wochenschr 99:12-3, 4 Jan 74 (Eng. Abstr.)
(Ger)

METABOLISM

Proceedings: Cardiac responses to pituitary and thyroid hormones. Beznak M, et al.
Br J Pharmacol 44:333P-334P, Feb 72
Familial hyperlipoproteinemia and thyroid dysfunction of beagles. Manning PJ, et al.
Exp Mol Pathol 19:378-88, Dec 73
Hypothyroidism. Berlinger FG.
Ill Med J 141:537-40, Jun 73
Biosynthesis and composition of brain galactolipids in normal and hypothyroid rats. Mantzos JD, et al.
J Neurochem 21:1207-13, Nov 73
Adrenergic receptors in rat liver. I. Effects of epinephrine and adrenergic blocking agents on gluconeogenesis in perfused liver. Hagino Y, et al.
Jap J Pharmacol 23:543-51, Aug 73
Erythropoiesis in hypothyroidism. Donati RM, et al.
Proc Soc Exp Biol Med 144:78-82, 1 Oct 73
A case of trilateral thyrotoxicosis with hypometabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73
[Trilateral thyrotoxicosis, physiological, physiopathological and clinical importance (comprehensive review)] Hainer V, et al.
Vnitr Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.)
(Cze)
[Muscles and kidney in experimental hypothyroidism. Electron microscopic findings] Fuchs U, et al.
Endokrinologie 61:201-27, May 73 (Eng. Abstr.) (Ger)
[Glucocorticoid function of the adrenal glands in patients with cerebral nanism] Polovotskaia GM, et al.
Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Eng. Abstr.) (Rus)
[Anemia and hypothyroidism. Ferrokinetic studies] Marañón A, et al.
Rev Iber Endocrinol 20:389-603, Nov-Dec 73 (Eng. Abstr.) (Spa)

OCCURRENCE

Himalayan goltre. Ibbertson HK.
Acta Endocrinol [Suppl] (Kbh) 13-4, 1973
[Results of 131-iodine therapy of endemic goiter in South Bavaria] Frey KW, et al.
Acta Endocrinol [Suppl] (Kbh) 91-2, 1973 (Ger)

PATHOLOGY

Effects of thyroid deficiency on the different cell populations of the cerebellum in the young rat. Clos J, et al. Brain Res 63:450-5, 7 Dec 73
Differential effects of hypothyroidism and undernutrition on the development of glia in the rat cerebellum. Clos J, et al. Brain Res 63:445-9, 7 Dec 73
The development of abnormal cerebellar astrocytes in young hypothyroid rats. Pesetsky I.
Brain Res 63:456-60, 7 Dec 73
[Incidence and significance of auto-antibodies in hypothyroidism (author's transl)] Utgenannt H, et al.
Dtsch Med Wochenschr 99:12-3, 4 Jan 74 (Eng. Abstr.)
(Ger)
[Muscles and kidney in experimental hypothyroidism. Electron microscopic findings] Fuchs U, et al.
Endokrinologie 61:201-27, May 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

The effect of thyrotrophin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. Toft AD, et al.
Clin Endocrinol (Oxf) 2:289-95, Jul 73

Sexual maturation in juvenile hypothyroidism. Barnes ND, et al. Mayo Clin Proc 48:849-56, Dec 73
[EEG study of hyperthyroidism and hypothyroidism] Roth B, et al.
Cesk Neurol Neurochir 36:284-93, Oct 73 (Eng. Abstr.)
(Cze)
[Thyroid gland and the stomach] Mosin VI.
Klin Med (Mosk) 51:15-21, Jan 73 (84 ref.) (Rus)
[Dynamics of the phase structure of the cardiac cycle in pregnant women with hypothyroidism] Dzivalan AM.
Vopr Okhr Materin Det 18:64-7, Aug 73 (Eng. Abstr.)
(Rus)
[Some indices of sexual function in women with thyroid diseases] Gridneva NK, et al.
Vopr Okhr Materin Det 18:79-82, Jan 73 (Eng. Abstr.)
(Rus)
[Anemia and hypothyroidism. Ferrokinetic studies] Marañón A, et al.
Rev Iber Endocrinol 20:389-603, Nov-Dec 73 (Eng. Abstr.) (Spa)
[Thyroid pathology of hypothalamic origin] Muñoz M, et al.
Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

PREVENTION & CONTROL

[On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al.
Stud Cercet Endocrinol 24:465-71, 1973 (Rum)

URINE

Erythropoiesis in hypothyroidism. Donati RM, et al.
Proc Soc Exp Biol Med 144:78-82, 1 Oct 73
[Effect of parathyroid hormone on urinary sodium and potassium excretion in hypothyroid children] Szczepski O, et al.
Endokrynol Pol 24:273-8, Jul-Aug 73 (Eng. Abstr.)
(Pol)
[Quantitative determination of cortisol and its metabolites in urine following their division by the method of thin-layer chromatography on silica gel] Savushkina AS, et al. Lab Delo 9:566-7, 1973 (Rus)

VETERINARY

Athyreotic arthropathy in swine. Oliver JW, et al.
Am J Vet Res 34:1539-47, Dec 73
Familial hyperlipoproteinemia and thyroid dysfunction of beagles. Manning PJ, et al.
Exp Mol Pathol 19:378-88, Dec 73
Letter: Replacement therapy for hypothyroidism in the dog. Siegel ET. J Am Vet Med Assoc 164:4-5, 1 Jan 74
Effects of estrogen and progesterone on the cardiovascular and endocrine systems of turkeys. Simpson CF. Poult Sci 52:1887-90, Sep 73

MYXEDEMA

BLOOD

Letter: Premyxoedema. Evered DC, et al.
Lancet 1:99, 19 Jan 74
The thyroid and atherosclerotic arterial disease. Menof P. S Afr Med J 47:2315-25, 8 Dec 73

CHEMICALLY INDUCED

[Case of myxedema following regression of long-standing myasthenia] Wacławik P, et al.
Neurol Neurochir Pol 7:851-3, Nov-Dec 73 (Pol)

COMPLICATIONS

Acute pancreatitis and diabetic ketoacidosis in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.
Br Med J 4:757-61, 29 Dec 73
Vitiligo-a marker for autoimmune disease? Chandrasekar S, et al. Indian J Med Sci 27:465-7, Jun 73
Diagnostic index for premyxoedema. Ikram H, et al.
Lancet 2:1405-8, 22 Dec 73
Proceedings: Pretibial myxoedema and thyroid acropachy. Possible dermatitis berpetiformis. Goldin D. Proc R Soc Med 66:983-4, Oct 73

DIAGNOSIS

The diagnostic and prognostic value of the 20 min

THYROID

MYXEDEMA

- 99mTc-uptake in the thyroid gland. Kirkegaard C, et al. *Acta Endocrinol (Kbh)* 74:659-65, Dec 73
- A comparison of the clinical features in endemic cretinism. Stanbury J. *Acta Endocrinol [Suppl] (Kbh)* 66-8, 1973
- Letter: Premyxoedema. Evered DC, et al. *Lancet* 1:99, 19 Jan 74
- Diagnostic index for premyxoedema. Ikram H, et al. *Lancet* 2:1405-8, 22 Dec 73
- [Proceedings: Case presentation of the 63rd Dermatological Evening in Wiesbaden] Hempel M. *Z Hautkr* 48:829-33, 15 Oct 73 (Ger)

DRUG THERAPY

- The metabolism of LDL. Myant NB. *Adv Exp Med Biol* 38:53-67, 1973 (26 ref.)
- A survival case of myxedema coma of pituitary origin. Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73
- The thyroid and atherosclerotic arterial disease. Menof P. *S Afr Med J* 47:2315-25, 8 Dec 73
- [Proceedings: Case presentation of the 63rd Dermatological Evening in Wiesbaden] Hempel M. *Z Hautkr* 48:829-33, 15 Oct 73 (Ger)

ETIOLOGY

- A survival case of myxedema coma of pituitary origin. Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73
- [Case of myxedema following regression of long-standing myasthenia] Wacławik P, et al. *Neurol Neurochir Pol* 7:851-3, Nov-Dec 73 (Pol)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)

IMMUNOLOGY

- The effect of blood leucocytes from patients with Hashimoto's disease on human thyroid cells in monolayer culture. Laryea E, et al. *Clin Endocrinol (Oxf)* 2:23-35, Jan 73
- Letter: Premyxoedema. Evered DC, et al. *Lancet* 1:99, 19 Jan 74
- Diagnostic index for premyxoedema. Ikram H, et al. *Lancet* 2:1405-8, 22 Dec 73

METABOLISM

- Studies on the metabolic clearance rate, apparent distribution space and plasma half-disappearance time of unlabelled human growth hormone in normal subjects and in patients with liver disease, renal disease, thyroid disease and diabetes mellitus. Owens D, et al. *Eur J Clin Invest* 3:284-94, Jul 73

PATHOLOGY

- [Connective tissue fibers in scleromyxedema and scleredema adultorum. A quantitative electron microscopic study (author's transl)] Pilgrim U, et al. *Dermatologica* 147:46-63, 1973 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)

THERAPY

- Anaesthesia for thyroid surgery. Holmes JL, et al. *Anaesth Intensive Care* 1:218-25, Feb 73
- A survival case of myxedema coma of pituitary origin. Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73

THYROID CRISIS

COMPLICATIONS

- [Fever and endocrinopathies] Gliuor D, et al. *Acta Clin Belg* 28:238-45, Jul 73 (Eng. Abstr.) (Fre)

NURSING

- Thyroid crisis complicating thyrotoxicosis. Umunna RC. *Niger Nurse* 5:9-11, Jul-Sep 73

THERAPY

- Anaesthesia for thyroid surgery. Holmes JL, et al. *Anaesth Intensive Care* 1:218-25, Feb 73

THYROID DISEASES

- [Level and structure of intelligence of patients with disorders of thyroid function (author's transl)] Krüskemper G, et al. *Dtsch Med Wochenschr* 98:2175-9, 16 Nov 73 (Eng. Abstr.) (Ger)
- [Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)
- [Pregnancy and thyroid diseases] Mizuno M. *Jap J Midwife* 27:50-3, Sep 73 (Jap)

BLOOD

- Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
- Serum immunoglobulin levels in health and disease. I. Immunoglobulins in normal and thyroid diseases. Dasgupta A, et al. *Indian J Med Res* 61:1-7, Jan 73
- Triiodothyronine. Physiological and clinical significance. Gharib H. *JAMA* 227:302-4, 21 Jan 74
- Letter: Premyxoedema. Evered DC, et al. *Lancet* 1:99, 19 Jan 74
- Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73
- [Letter: Are patients with increased serum TSH euthyretic?] Scriba PC. *Dtsch Med Wochenschr* 98:2219, 18 Nov 73 (Ger)
- [Determination of thyreotropic hormone by radioimmunoassay] Földes J, et al. *Orv Hetil* 114:3140-5, 30 Dec 73 (Hun)
- [Clinical usefulness of thyroxine blood serum level evaluation] Gembicki M, et al. *Endokrynol Pol* 24:473-7, Nov-Dec 73 (Eng. Abstr.) (Pol)

CHEMICALLY INDUCED

- The effects of long-term ingestion of metbimazole on the thyroids of rats. Owen NV, et al. *Food Cosmet Toxicol* 11:649-53, Aug 73

CLASSIFICATION

- [Classification of thyroid diseases] Klein E, et al. *Dtsch Med Wochenschr* 98:2249-51, 23 Nov 73 (Ger)

COMPLICATIONS

- Anaesthesia for thyroid surgery. Holmes JL, et al. *Anaesth Intensive Care* 1:218-25, Feb 73
- Diseases of the skin. The management of pruritus. Savin JA. *Br Med J* 4:779-80, 29 Dec 73
- Tuberculosis of the thyroid. Hajjar ET, et al. *J Med Liban* 28:273-8, 1973
- Neurological aspects of carcinoma and systemic diseases. Mawdsley C. *Practitioner* 211:282-94, Sep 73 (30 ref.)
- [Heart and thyroid. Clinical and pathological aspects] Boukbris R. *Tunis Med* 50:377-80, Sep-Oct 72 (Fre)
- [Some indices of sexual function in women with thyroid diseases] Gridneva NK, et al. *Vopr Okhr Materin Det* 18:79-82, Jan 73 (Eng. Abstr.) (Rus)

DIAGNOSIS

- "Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L. *Am J Clin Pathol* 61:118-21, Jan 74
- Nuclear medicine and radiochemistry. Götte H, et al. *Angew Chem [Engl]* 12:712-21, Sep 73
- Problems of interpretation of laboratory findings in the old. Caird FI. *Br Med J* 4:348-51, 10 Nov 73
- Letter: The solitary thyroid nodule. *Br Med J* 1:38-9, 5 Jan 74
- Newer methods for evaluating thyroid nodules. Rosenberg IN. *CA* 23:281-3, Sep-Oct 73
- Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:127-34, Apr 73

THYROID

THYROID DISEASES

Using a computer to interpret multiphasic screening results. Reece RL. *Geriatrics* 29:51-9, Jan 74
 Diagnosing thyroid disease by selected laboratory tests. Wahner HW. *Geriatrics* 29:83-6 passim, Jan 74
 Pathophysiology of the thyroid gland: a laboratory approach. Golding P.

J Am Osteopath Assoc 73:273-8, Dec 73
 Trilodothyrone. Physiological and clinical significance. Gharib H. *JAMA* 227:302-4, 21 Jan 74
 Letter: Premyxoedema. Evered DC, et al. *Lancet* 1:99, 19 Jan 74

[An error to be avoided: excision of an ectopic thyroid] Castel Y, et al. *Cah Med* 14:453-5, 15 Jun 73 (Fre)
 [Scintigraphic studies in the differential diagnosis between benign and malignant thyroid diseases with ⁶⁷Ga] Hör G, et al.

Acta Endocrinol [Suppl] (Kbh) 77-8, 1973 (Ger)
 [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.

Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)

[Cytological diagnosis of thin-needle biopsies in 2523 patients with non-toxic nodular goitre (author's transl)] Galvan G, et al.

Dtsch Med Wochenschr 98:2107-10, 9 Nov 73 (Eng. Abstr.) (Ger)

[Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al.

Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)

[Practical value of aspiration biopsy of cystic thyroid nodes] Smejkal V, et al.

Endokrinologie 61:312-6, May 73 (Ger)

[Clinical cytology] Morawetz F. *Med Lab (Stuttg)* 26:239-44, Oct 73 (Ger)

[Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

[Thyroid examination with radionuclides ¹³¹I and ^{99m}Tc (author's transl)] Roháček J. *Radiobiol Radiother (Berl)* 14:383-6, 1973 (Eng. Abstr.) (Ger)

[Partially automatic procedure for the determination of thyroxine-bound iodine in the human serum] Seelig G, et al.

Z Med Labortech 14:211-7, 1973 (Eng. Abstr.) (Ger)

[Determination of thyrotropic hormone by radioimmunoassay] Földes J, et al.

Orv Hetil 114:3140-5, 30 Dec 73 (Hun)

[Advantages of the automatic method over the manual method in the routine determination of serum protein-bound iodine (PBI)] Trimarchi I, et al.

Quad Sclavo Diagn 8:1022-9, Dec 72 (Eng. Abstr.) (Ita)

[Iodide-perchlorate discharge test: a new method for the diagnosis of disorders of iodine organification of the thyroid] Suzuki H, et al.

Jap J Clin Med 31:2588-94, 10 Aug 73 (Jap)

[Clinical usefulness of thyroxine blood serum level evaluation] Gembicki M, et al.

Endokrynol Pol 24:473-7, Nov-Dec 73 (Eng. Abstr.) (Pol)

[Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B. *Pol Tyg Lek* 28:1327-8, 20 Aug 73 (17 ref.) (Pol)

[Case of thyroid gland eubionococcosis] Gerlach Z, et al. *Wlad Lek* 26:2191-3, 1 Dec 73 (Eng. Abstr.) (Pol)

[Total body radiometry in diagnosis of thyroid gland diseases] Volozhinskaya GJa, et al.

Vrach Delo 9:76-9, Sep 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Anaesthesia for thyroid surgery. Holmes JL, et al. *Anaesth Intensive Care* 1:218-25, Feb 73

[Significance of the Effective Thyroxine Ratio-ETR for the course evaluation of thyroid-specific therapy] Vosberg H, et al. *Med Welt* 24:1535-6, 5 Oct 73 (Ger)

[Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

ENZYMOLGY

[Nature and ontogenetic development of carboanhydrase isoenzymes in human erythrocytes] Wehinger H. *Blut* 27:172-85, Sep 73 (Eng. Abstr.) (Ger)

ETIOLOGY

[Status of the thyroid gland in the course of rheumatoid arthritis] Blahos J, et al.

Fysiatr Reumatol Vestn 51:351-4, Dec 73 (Eng. Abstr.) (Cze)

[Thyroid pathology of hypothalamic origin] Muñoz M, et al.

Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Evolving concepts of the genetics of thyroid disease-a review. Bartuska D. *Am J Med Sci* 266:249-52, Oct 73 (17 ref.)

IMMUNOLOGY

Letter: Premyxoedema. Evered DC, et al. *Lancet* 1:99, 19 Jan 74

METABOLISM

Letter: Digitalis: digoxin availability, toxicity.

Trenholme GM. *Ann Intern Med* 79:908-9, Dec 73

The use of silica gel for human calcitonin isolation in some thyroid diseases. Lorenc RS, et al.

Endocrinol Exp (Bratisl) 7:267-73, 1973

PATHOLOGY

Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)

Tuberculosis of the thyroid. Hajjar ET, et al. *J Med Liban* 26:273-6, 1973

[Scintigraphic studies in the differential diagnosis between benign and malignant thyroid diseases with ⁶⁷Ga] Hör G, et al.

Acta Endocrinol [Suppl] (Kbh) 77-8, 1973 (Ger)

[Cytological diagnosis of thin-needle biopsies in 2523 patients with non-toxic nodular goitre (author's transl)] Galvan G, et al.

Dtsch Med Wochenschr 98:2107-10, 9 Nov 73 (Eng. Abstr.) (Ger)

[Practical value of aspiration biopsy of cystic thyroid nodes] Smejkal V, et al.

Endokrinologie 61:312-6, May 73 (Ger)

[Hyperplasia of the thyroid gland in young children dying suddenly] Mitlaeva NA. *Sud Med Ekspert* 16:8-14, Apr-Jun 73 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Serum thyrotropin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al.

Clin Endocrinol (Oxf) 2:219-25, Jul 73

Trilodothyrone. Physiological and clinical significance. Gharib H. *JAMA* 227:302-4, 21 Jan 74

[Heart and thyroid. Clinical and physiopathological aspects] Boukbris R. *Tunis Med* 50:377-80, Sep-Oct 72 (Fre)

[Clinical usefulness of thyroxine blood serum level evaluation] Gembicki M, et al.

Endokrynol Pol 24:473-7, Nov-Dec 73 (Eng. Abstr.) (Pol)

[Thyroid pathology of hypothalamic origin] Muñoz M, et al.

Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

RADIOGRAPHY

[Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al.

Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)

SURGERY

Anaesthesia for thyroid surgery. Holmes JL, et al. *Anaesth Intensive Care* 1:218-25, Feb 73

The surgical treatment of thyroid disease. Fredell CH. *Ariz Med* 30:778-84, Nov 73

Thyroid abscess in a 14-month-old child. Ford RV Jr, et al. *J Pediatr Surg* 5:943-4, Dec 73

[Should all cold nodules of the thyroid gland be

THYROID

THYROID DISEASES

- operated on?] Dehain JJ.
Cah Med 14:417-8, 15 Jun 73 (Fre)
[Surgical treatment of thyroid diseases] Bratus' VD, et al. Ter Arkh 45:49-56, Sep 73 (Rus)

- Kuchinskii GA, et al.
Vestn Rentgenol Radiol 48:67-73, Jul-Aug 73 (Eng. Abstr.) (Rus)

THYROID GLAND

ABNORMALITIES

- Adenoma of the lingual thyroid. Mohanty B, et al. J Indian Med Assoc 61:134-6, 1 Aug 73
[An error to be avoided: excision of an ectopic thyroid] Castel Y, et al. Cah Med 14:453-5, 15 Jun 73 (Fre)
[Ectopic thyroid gland] Schönherger A, et al. Dtsch Zahn Mund Kieferheilkd 61:85-92, Aug 73 (Eng. Abstr.) (Ger)

THYROID NEOPLASMS

- Adenoma of the lingual thyroid. Mohanty B, et al. J Indian Med Assoc 61:134-6, 1 Aug 73
Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. Proc Natl Cancer Conf 7:163-77, 1973
[Successful sternal resection and reconstruction in metastatic sternal tumor] Masuda H, et al. J Jap Assoc Thorac Surg 21:868-73, Sep 73 (Eng. Abstr.) (Jap)
[Thyroid cancer] Helmann P. Tidsskr Nor Laegeforen 93:1904-8, 20 Sep 73 (Nor)

BLOOD

- Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. Faglia G, et al.
Folia Endocrinol (Roma) 26:245-56, Aug 73
Radioimmunoassay for calcitonin in medullary thyroid carcinoma. Deftos LJ. JAMA 227:403-6, 28 Jan 74

CHEMICALLY INDUCED

- The effects of long-term ingestion of methimazole on the thyroids of rats. Owen NV, et al.
Food Cosmet Toxicol 11:649-53, Aug 73

CLASSIFICATION

- 131-I-therapy of malignant thyroid disease in regard to its classification. Hoffmann G.
Acta Endocrinol [Suppl] (Kbh) 93-4, 1973
Proceedings: Management of cancer of the thyroid: a summary. Strong EW.
Proc Natl Cancer Conf 7:179-85, 1973 (33 ref.)
[Classification of thyroid diseases] Klein E, et al. Dtsch Med Wochenschr 98:2249-51, 23 Nov 73 (Ger)

COMPLICATIONS

- Exfoliative dermatitis. A clinicopathologic study of 135 cases. Nicolis GD, et al.
Arch Dermatol 108:788-97, Dec 73
The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma. Hajjar ET, et al. J Med Liban 26:241-5, 1973
Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. Proc Natl Cancer Conf 7:163-77, 1973
Changing patterns in hyperparathyroidism. Friedman EW, et al. Surg Gynecol Obstet 137:941-4, Dec 73
[Hyperthyroidism coexisting with thyroid cancer: report of 3 cases] Tseng YZ, et al. J Formosan Med Assoc 72:356-66, Jun 73 (Eng. Abstr.) (Chi)
[Independent adenoma and carcinoma of the thyroid] Gensenjäger E, et al.
Praxis 62:1542-4, 11 Dec 73 (Eng. Abstr.) (Ger)
[Hyperinsulinism and polyendocrine adenomatosis] Basoli A, et al.
Folia Endocrinol (Roma) 26:356-60, Oct 73 (Ita)
[The thyroid medullary carcinoma syndrome, pheochromocytoma and multiple mucosal neuromas. Case report] Ascarl E, et al.
Minerva Med 64:4418-29, 21 Nov 73 (Eng. Abstr.) (Ita)
[Talc pleural poufrage in the treatment of recurrent neoplastic effusions (author's transl)] Pizzocaro G, et al. Tumori 59:287-93, Jul-Aug 73 (Eng. Abstr.) (Ita)
[Squamous cell carcinoma of the thyroid gland with sarcomatous stroma (carcinosarcoma)] Vlasov VI. Probl Endocrinol (Mosk) 19:50-2, Nov-Dec 73 (Rus)
[Arteriography in cancer of the thyroid gland]

DIAGNOSIS

- Treatment of the thyroid nodule. McKenzie JM, et al. Adv Intern Med 17:215-36, 1973 (98 ref.)
The use of 133Xe clearance method in measurement of the blood flow in thyroid nodules. Rekonen A, et al. Ann Clin Res 5:220-4, Aug 73
The surgical treatment of thyroid disease. Fredell CH. Ariz Med 30:778-84, Nov 73
Letter: Thyroid scanning. Britton K, et al.
Br Med J 4:782, 29 Dec 73
Clinical diagnosis of thyroid cancer. Staunton MD, et al. Br Med J 4:532-5, 1 Dec 73
Editorial: The solitary thyroid nodule.
Br Med J 4:310-1, 10 Nov 73
Letter: The solitary thyroid nodule.
Br Med J 4:611, 8 Dec 73
Letter: The solitary thyroid nodule.
Br Med J 1:38-9, 5 Jan 74
Newer methods for evaluating thyroid nodules. Rosenberg IN. CA 23:281-3, Sep-Oct 73
Fine-needle aspiration biopsy of tumors of head and neck. Thomsen H, et al.
J Laryngol Otol 87:1211-6, Dec 73
Thyroid carcinoma presenting as an isolated bone cyst. Shafer RB, et al. J Nucl Med 15:50-2, Jan 74
Radioimmunoassay for calcitonin in medullary thyroid carcinoma. Deftos LJ. JAMA 227:403-6, 28 Jan 74
Hyperfunctioning thyroid nodules that become "cold". Burman KD, et al. Med Ann DC 42:541-4, Nov 73
Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. Proc Natl Cancer Conf 7:163-77, 1973
Changing patterns in hyperparathyroidism. Friedman EW, et al. Surg Gynecol Obstet 137:941-4, Dec 73
[Should all cold nodules of the thyroid gland be operated on?] Dehain JJ.
Cah Med 14:417-8, 15 Jun 73 (Fre)
[Scintigraphy and cytology in the early diagnosis of thyroid cancer] Scazziga BR, et al.
Helv Chir Acta 40:715-7, Dec 73 (Fre)
[Autonomous adenoma in endemic goiter districts] Höfer R.
Acta Endocrinol [Suppl] (Kbh) 40, 1973 (Ger)
[Scintigraphic studies in the differential diagnosis between benign and malignant thyroid diseases with 67Ga] Hör G, et al.
Acta Endocrinol [Suppl] (Kbh) 77-8, 1973 (Ger)
[Immune thyroiditis and malignant goiter in an endemic goiter district from the surgeon's point of view] Keminger.
Acta Endocrinol [Suppl] (Kbh) 88, 1973 (Ger)
[Aspiration cytology in the diagnosis of endemic goiter] Lederer B, et al.
Acta Endocrinol [Suppl] (Kbh) 75-6, 1973 (Ger)
[Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
[Cytological diagnosis of thin-needle biopsies in 2523 patients with non-toxic nodular goitre (author's transl)] Galvan G, et al.
Dtsch Med Wochenschr 98:2107-10, 9 Nov 73 (Eng. Abstr.) (Ger)
[Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al.
Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)
[The thyroid medullary carcinoma syndrome, pheochromocytoma and multiple mucosal neuromas. Case report] Ascarl E, et al.
Minerva Med 64:4418-29, 21 Nov 73 (Eng. Abstr.) (Ita)
[Thyroid scintigraphy following thyroidectomy] Hara M, et al.
Jap J Nucl Med 10:405-12, Aug 73 (Eng. Abstr.) (Jap)
[Arteriography in cancer of the thyroid gland] Kuchinskii GA, et al.
Vestn Rentgenol Radiol 48:67-73, Jul-Aug 73 (Eng. Abstr.) (Rus)
[Rapid biopsy by freezing and thyroid nodule (250 cases)] Menchaca JR, et al.
Rev Clin Esp 131:225-8, 15 Nov 73 (Eng. Abstr.) (Spa)

THYROID

THYROID NEOPLASMS

DRUG THERAPY

- Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)
Chemotherapy of thyroid cancer with adriamycin. Experience with 30 patients. Gottlieb JA, et al. *N Engl J Med* 290:193-7, 24 Jan 74
[Influence of hormones on prostatic, mammary, endometrial and thyroid tissues] Franchimont P. *Rev Med Liege* 28:659-62, Oct 73 (Fre)

ENZYMOLGY

- Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. *Proc Natl Cancer Conf* 7:163-77, 1973
[Comparative electron cytochemical study of the distribution of succinate dehydrogenase in the mitochondria of normal, hyperplastic and neoplastic cells in rat thyroid gland] Dmitrieva NP, et al. *Tsitologiya* 15:156-60, Feb 73 (Eng. Abstr.) (Rus)

ETIOLOGY

- Letter: Fall-out from bomb tests. Mole RH. *Br Med J* 4:551, 1 Dec 73
Sequential pathophysiological effects of ionizing radiation on the heagle thyroid gland. Lu ST, et al. *J Natl Cancer Inst* 51:419-41, Aug 73
Letter: Thyroid cancer after iodine-131 therapy. McDougall IR. *JAMA* 227:438, 28 Jan 74
Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. *Proc Natl Cancer Conf* 7:163-77, 1973
[Preliminary stages of malignant thyroid tumors] Berchtold R, et al. *Helv Chir Acta* 40:587-92, Dec 73 (Ger)

FAMILIAL & GENETIC

- Evolving concepts of the genetics of thyroid disease-a review. Bartuska D. *Am J Med Sci* 266:249-52, Oct 73 (17 ref.)
C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al. *N Engl J Med* 289:437-41, 30 Aug 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. *N Engl J Med* 289:472-9, 30 Aug 73
Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. *Proc Natl Cancer Conf* 7:163-77, 1973

IMMUNOLOGY

- Transplantation of human tumour to immune deprived mice treated with anti-thymocyte serum. Detre SI, et al. *Br J Cancer* 28:412-6, Nov 73
[Immunomorphological characteristics of transplantable thyroid neoplasms] Okulov VB. *Vopr Onkol* 19:50-6, 1973 (Eng. Abstr.) (Rus)

METABOLISM

- The formation of thyroglobulin in human thyroid medullary carcinoma. Ljunggren JG, et al. *Acta Endocrinol (Kbh)* 74:105-10, Sep 73
Iodinated thyrolipids: their possible role in homonogenesis. Shah DH, et al. *Acta Endocrinol (Kbh)* 74:461-74, Nov 73
The leakage phenomenon in thyroid nodules. Rösler H, et al. *Acta Endocrinol [Suppl] (Kbh)* 80-1, 1973
The use of silica gel for human calcitonin isolation in some thyroid diseases. Lorenc RS, et al. *Endocrinol Exp (Bratisl)* 7:267-73, 1973

MORTALITY

- 131-I-therapy of malignant thyroid disease in regard to its classification. Hoffmann G. *Acta Endocrinol [Suppl] (Kbh)* 93-4, 1973
Chemotherapy of thyroid cancer with adriamycin. Experience with 30 patients. Gottlieb JA, et al. *N Engl J Med* 290:193-7, 24 Jan 74

OCCURRENCE

- Thyroid cancer, Quervain's thyroiditis and Hashimoto's disease in an endemic goiter Andrean area. Fierro-Benitez R. *Acta Endocrinol [Suppl] (Kbh)* 86-7, 1973
Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)

- [Autonomic "toxic" adenoma in an endemic goiter district] Steiner H. *Acta Endocrinol [Suppl] (Kbh)* 82-3, 1973 (Ger)
[Intrathyroidal spread of malignant thyroid tumours (author's transl)] Ranke E, et al. *Munch Med Wochenschr* 115:2016-20, 9 Nov 73 (Eng. Abstr.) (Ger)

PATHOLOGY

- The formation of thyroglobulin in human thyroid medullary carcinoma. Ljunggren JG, et al. *Acta Endocrinol (Kbh)* 74:105-10, Sep 73
131-I-therapy of malignant thyroid disease in regard to its classification. Hoffmann G. *Acta Endocrinol [Suppl] (Kbh)* 93-4, 1973
Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)
Medullary carcinoma of the lung with amyloid stroma: a counterpart of medullary carcinoma of the thyroid. Gordon HW, et al. *Hum Pathol* 4:431-6, Sep 73
Fine-needle aspiration biopsy of tumors of head and neck. Thomsen H, et al. *J Laryngol Otol* 87:1211-6, Dec 73
C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al. *N Engl J Med* 289:437-41, 30 Aug 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. *N Engl J Med* 289:472-9, 30 Aug 73
Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. *Proc Natl Cancer Conf* 7:163-77, 1973
[Hyperthyroidism coexisting with thyroid cancer: report of 3 cases] Tseng YZ, et al. *J Formosan Med Assoc* 72:356-66, Jun 73 (Eng. Abstr.) (Chi)

- [Scintigraphy and cytology in the early diagnosis of thyroid cancer] Scazziga BR, et al. *Helv Chir Acta* 40:715-7, Dec 73 (Fre)
[The diagnosis of cold nodules in endemic goiters by means of thin needle biopsy and cytological analysis] Galvan G, et al. *Acta Endocrinol [Suppl] (Kbh)* 73-4, 1973 (Ger)
[Aspiration cytology in the diagnosis of endemic goiter] Lederer B, et al. *Acta Endocrinol [Suppl] (Kbh)* 75-6, 1973 (Ger)
[Preliminary stages of malignant thyroid tumors] Berchtold R, et al. *Helv Chir Acta* 40:587-92, Dec 73 (Ger)
[Intrathyroidal spread of malignant thyroid tumours (author's transl)] Ranke E, et al. *Munch Med Wochenschr* 115:2016-20, 9 Nov 73 (Eng. Abstr.) (Ger)
[Independent adenoma and carcinoma of the thyroid] Gemsenjäger E, et al. *Praxis* 62:1542-4, 11 Dec 73 (Eng. Abstr.) (Ger)
[Clear-cell adenoma of the thyroid gland (author's transl)] Stoll W, et al. *Virchows Arch [Pathol Anat]* 361:163-73, 12 Nov 73 (Eng. Abstr.) (Ger)
[Spin-lattice relaxation times of the cellular protons of water in normal and cancerous human tissues (author's transl)] Schmidt K, et al. *Z Krebsforsch* 80:209-22, 6 Dec 73 (Eng. Abstr.) (Ger)
[Cytological characterization of a cancer by the exudate in comparison with its morphology in the primary or metastatic focus] Kilmanova ZF, et al. *Arkh Patol* 34:53-9, 1972 (Eng. Abstr.) (Rus)
[Squamous cell carcinoma of the thyroid gland with sarcomatous stroma (carcinosarcoma)] Vlasov VI. *Probl Endocrinol (Mosk)* 19:50-2, Nov-Dec 73 (Rus)
[Comparative electron cytochemical study of the distribution of succinate dehydrogenase in the mitochondria of normal, hyperplastic and neoplastic cells in rat thyroid gland] Dmitrieva NP, et al. *Tsitologiya* 15:156-60, Feb 73 (Eng. Abstr.) (Rus)
[Immunomorphological characteristics of transplantable thyroid neoplasms] Okulov VB. *Vopr Onkol* 19:50-6, 1973 (Eng. Abstr.) (Rus)

RADIOGRAPHY

- Treatment of the thyroid nodule. McKenzie JM, et al. *Adv Intern Med* 17:215-36, 1973 (98 ref.)
Clinical diagnosis of thyroid cancer. Staunton MD, et al. *Br Med J* 4:532-5, 1 Dec 73
Editorial: Radiological aspects of familial medullary carcinoma of the thyroid. *Br Med J* 4:569-70, 8 Dec 73
Chemotherapy of thyroid cancer with adriamycin.

THYROID

THYROID NEOPLASMS

- Experience with 30 patients. Gottlieb JA, et al.
N Engl J Med 290:193-7, 24 Jan 74
 [Independent adenoma and carcinoma of the thyroid]
 Gemsenjäger E, et al.
Praxis 62:1542-4, 11 Dec 73 (Eng. Abstr.) (Ger)
 [Arteriography in cancer of the thyroid gland]
 Kuchinskii GA, et al.
Vestn Rentgenol Radiol 48:87-73, Jul-Aug 73 (Eng. Abstr.) (Rus)

RADIOTHERAPY

- 131-I-therapy of malignant thyroid disease in regard to its classification. Hoffmann G.
Acta Endocrinol [Suppl] (Kbh) 93-4, 1973
 Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)
 Letter: The solitary thyroid nodule.
Br Med J 4:611, 8 Dec 73
 Proceedings: Management of cancer of the thyroid: a summary. Strong EW.
Proc Natl Cancer Conf 7:179-85, 1973 (33 ref.)
 [Autoradiographic examinations of the causes of recurrence frequency of malignant thyroid tumours with radiolodine treatment only (author's transl)]
 Robiller F, et al.
Radiobiol Radiother (Berl) 14:367-70, 1973 (Eng. Abstr.) (Ger)

SURGERY

- The surgical treatment of thyroid disease. Fredell CH.
Ariz Med 30:778-84, Nov 73
 Editorial: The solitary thyroid nodule.
Br Med J 4:310-1, 10 Nov 73
 Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. Fairclough PD, et al.
Clin Endocrinol (Oxf) 2:351-9, Oct 73
 The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma. Hajjar ET, et al.
J Med Liban 28:241-5, 1973
 Arytheneidectomy in children. Cohen SR.
Laryngoscope 83:1293-9, Aug 73
 Hyperfunctioning thyroid nodules that become "cold". Burman KD, et al.
Med Ann DC 42:541-4, Nov 73
 Changing patterns in hyperparathyroidism. Friedman EW, et al.
Surg Gynecol Obstet 137:941-4, Dec 73
 [Hormone therapy in cancers of the thyroid and the mammary gland] Closon J.
Rev Med Liege 28:871-9, Oct 73 (Fre)
 [Autonomic "toxic" adenoma in an endemic goiter district] Steiner H.
Acta Endocrinol [Suppl] (Kbh) 82-3, 1973 (Ger)
 [Preliminary stages of malignant thyroid tumors] Berchtold R, et al.
Helv Chir Acta 40:587-92, Dec 73 (Ger)
 [Intrathyroidal spread of malignant thyroid tumours (author's transl)] Ranke E, et al.
Munch Med Wochenschr 115:2016-20, 9 Nov 73 (Eng. Abstr.) (Ger)
 [Independent adenoma and carcinoma of the thyroid] Gemsenjäger E, et al.
Praxis 62:1542-4, 11 Dec 73 (Eng. Abstr.) (Ger)
 [Surgical treatment of thyroid diseases] Bratus' VD, et al.
Ter Arkh 45:49-56, Sep 73 (Rus)

THERAPY

- Letter: Metastatic thyroid carcinoma. Wellman HN.
JAMA 227:439, 28 Jan 74
 Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr.
Proc Natl Cancer Conf 7:163-77, 1973
 Proceedings: Management of cancer of the thyroid: a summary. Strong EW.
Proc Natl Cancer Conf 7:179-85, 1973 (33 ref.)
 [Hormone therapy in cancers of the thyroid and the mammary gland] Closon J.
Rev Med Liege 28:871-9, Oct 73 (Fre)
 [Immune thyroiditis and malignant goiter in an endemic goiter district from the surgeon's point of view] Keminger.
Acta Endocrinol [Suppl] (Kbh) 88, 1973 (Ger)
 [Autonomic "toxic" adenoma in an endemic goiter district] Steiner H.
Acta Endocrinol [Suppl] (Kbh) 82-3, 1973 (Ger)

URINE

- Urinary excretion of free cortisol in hypercalcaemia.

- Schonoau Jorgensen F, et al.
Acta Endocrinol (Kbh) 74:122-6, Sep 73

THYROIDITIS

- Murine thyroiditis induced by neonatal thymectomy.
 Nishizuka Y, et al.
Experientia 29:1396-8, 15 Nov 73

BLOOD

- Serum thyrotrophin response to thyrotrophin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Gordin A, et al.
Acta Endocrinol (Kbh) 74:111-21, Sep 73
 Serum immunoglobulin levels in health and disease. I. Immunoglobulins in normal and thyroid diseases. Dasgupta A, et al.
Indian J Med Res 61:1-7, Jan 73

CLASSIFICATION

- [Classification of thyroid diseases] Klein E, et al.
Dtsch Med Wochenschr 98:2249-51, 23 Nov 73 (Ger)

COMPLICATIONS

- Subacute (giant cell) thyroiditis and giant cell myocarditis in patient with carcinoma of lung. Benisch BM, et al.
Chest 64:764-5, Dec 73
 Thyroid abscess in a 14-month-old child. Ford RV Jr, et al.
J Pediatr Surg 5:943-4, Dec 73
 Diagnostic index for premyxoedema. Ikram H, et al.
Lancet 2:1405-8, 22 Dec 73
 [Fever and endocrinopathies] Gilnoer D, et al.
Acta Clin Belg 28:238-45, Jul 73 (Eng. Abstr.) (Fre)

DIAGNOSIS

- [Scintigraphic studies in the differential diagnosis between benign and malignant thyroid diseases with ⁶⁷Ga] Hör G, et al.
Acta Endocrinol [Suppl] (Kbh) 77-8, 1973 (Ger)
 [Immune thyroiditis and malignant goiter in an endemic goiter district from the surgeon's point of view] Keminger.
Acta Endocrinol [Suppl] (Kbh) 88, 1973 (Ger)
 [Aspiration cytology in the diagnosis of endemic goiter] Lederer B, et al.
Acta Endocrinol [Suppl] (Kbh) 75-6, 1973 (Ger)
 [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
 [Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al.
Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)
 [Thyroid scintigram. 5. Chronic thyroiditis] Kinoshita F.
Jap J Clin Radiol 18:668-9, Sep 73 (Jap)

ETIOLOGY

- Spontaneous thyroiditis in thymectomized and irradiated Wistar rats. Penhale WJ, et al.
Clin Exp Immunol 15:225-36, Oct 73
 Sequential pathophysiological effects of ionizing radiation on the beagle thyroid gland. Lu ST, et al.
J Natl Cancer Inst 51:419-41, Aug 73
 Diagnostic index for premyxoedema. Ikram H, et al.
Lancet 2:1405-8, 22 Dec 73

FAMILIAL & GENETIC

- Autoimmune murine thyroiditis. V. Genetic influence on the disease in BSVS and BRVR mice. Rose NR, et al.
Clin Exp Immunol 15:281-7, Oct 73

IMMUNOLOGY

- Autoimmune murine thyroiditis. V. Genetic influence on the disease in BSVS and BRVR mice. Rose NR, et al.
Clin Exp Immunol 15:281-7, Oct 73
 Diagnostic index for premyxoedema. Ikram H, et al.
Lancet 2:1405-8, 22 Dec 73
 Stimulation of organ specific and non-organ specific antigens on the surface of thyroid cells by phytohaemagglutinin P. Jonsson J, et al.
Scand J Immunol 2:239-50, 1973
 A naturally occurring monospecific anti-HL-A8

THYROID

THYROIDITIS, LYMPHOMATOUS

- Isoantibody. Collins ZV, et al.
Tissue Antigens 3:358-63, 1973
 [Incidence and significance of auto-antibodies in
 hypothyroidism (author's transl)] Uthgenannt H, et
 al.
Dtsch Med Wochenschr 99:12-3, 4 Jan 74 (Eng. Abstr.)
 (Ger)

OCCURRENCE

- Thyroid cancer, Quervain's thyroiditis and Hashimoto's
 disease in an endemic goiter Andrean area.
 Fierro-Benitez R.
Acta Endocrinol [Suppl] (Kbh) 86-7, 1973

PATHOLOGY

- Subacute (giant cell) thyroiditis and giant cell
 myocarditis in patient with carcinoma of lung.
 Benisch BM, et al. *Chest* 64:764-5, Dec 73
 Murine thyroiditis induced by neonatal thymectomy.
 Nishizuka Y, et al. *Experientia* 29:1396-8, 15 Nov 73
 [The diagnosis of cold nodules in endemic goiters by
 means of thin needle biopsy and cytological analysis]
 Galvan G, et al.
Acta Endocrinol [Suppl] (Kbh) 73-4, 1973 (Ger)
 [Aspiration cytology in the diagnosis of endemic
 goiter] Lederer B, et al.
Acta Endocrinol [Suppl] (Kbh) 75-6, 1973 (Ger)
 [Riedel's struma] Redelbach J, et al.
Pol Przegl Chir 45:1421-6, Dec 73 (Eng. Abstr.) (Pol)

SURGERY

- [Riedel's struma] Redelbach J, et al.
Pol Przegl Chir 45:1421-6, Dec 73 (Eng. Abstr.) (Pol)

THERAPY

- [Immune thyroiditis and malignant goiter in an
 endemic goiter district from the surgeon's point of
 view] Keminger.
Acta Endocrinol [Suppl] (Kbh) 88, 1973 (Ger)

THYROIDITIS, LYMPHOMATOUS

DIAGNOSIS

- Letter: The solitary thyroid nodule.
Br Med J 1:38-9, 5 Jan 74

- [Cytological diagnosis of thin-needle biopsies in 2523
 patients with non-toxic nodular goitre (author's
 transl)] Galvan G, et al.
Dtsch Med Wochenschr 98:2107-10, 9 Nov 73 (Eng.
 Abstr.) (Ger)
 [Puncture biopsy in the diagnosis of chronic
 thyroiditis] González de Sánchez O, et al.
Rev Invest Clin 25:223-7, Jul-Sep 73 (Eng. Abstr.)
 (Spa)

FAMILIAL & GENETIC

- Evolving concepts of the genetics of thyroid disease-a
 review. Bartuska D.
Am J Med Sci 266:249-52, Oct 73 (17 ref.)

IMMUNOLOGY

- Reduced sensitivity of the thyroid to thyrotrophic
 hormone and LATS following treatment with
 antimicrosomal antibodies. Földes J, et al.
Acta Endocrinol (Kbh) 74:675-84, Dec 73
 The effect of blood leucocytes from patients with
 Hashimoto's disease on human thyroid cells in
 monolayer culture. Laryea E, et al.
Clin Endocrinol (Oxf) 2:23-35, Jan 73
 Lymphocyte cytotoxicity induced by pre-incubation
 with serum from patients with Hashimoto thyroiditis.
 Calder EA, et al. *Clin Exp Immunol* 15:467-70, Nov 73
 Circulating lymphocyte subpopulations in Hashimoto
 thyroiditis. Urbaniak SJ, et al.
Clin Exp Immunol 15:345-54, Nov 73

OCCURRENCE

- Thyroid cancer, Quervain's thyroiditis and Hashimoto's
 disease in an endemic goiter Andrean area.
 Fierro-Benitez R.
Acta Endocrinol [Suppl] (Kbh) 86-7, 1973

PATHOLOGY

- Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)
 [The diagnosis of cold nodules in endemic goiters by
 means of thin needle biopsy and cytological analysis]
 Galvan G, et al.
Acta Endocrinol [Suppl] (Kbh) 73-4, 1973 (Ger)

THYROID

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DIODOTYROSINE

METABOLISM

- Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
[Study of iodine-containing amino acid composition of crude and iodinated (in vitro) thyroglobulin under normal conditions and in thyroid diseases] Turakulov IaKh, et al.
Probl Endokrinol (Mosk) 19:99-103, Nov-Dec 73 (Eng. Abstr.) (Rus)

IODOTYROSINE

- Partial purification and some properties of thyroid peroxidase solubilized by extraction with n-butanol. Davidson B, et al. Prep Biochem 3:473-93, 1973
Partial purification and some properties of thyroid peroxidase solubilized by alkaline treatment. Neary JT, et al. Prep Biochem 3:495-508, 1973

ANALYSIS

- Antibody-induced changes in expression of an immunoglobulin surface antigen. Knopf PM, et al. Eur J Immunol 3:351-9, May 73

BIOSYNTHESIS

- Morphological and functional maturation of the thyroid during early development of anuran larvae. Hanaoka Y, et al. Gen Comp Endocrinol 21:410-23, Dec 73

METABOLISM

- Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
[Effect of iodine on iodoamino acid distribution in the thyroid] Onaya T, et al.
Clin Endocrinol (Tokyo) 21:955-7, Sep 73 (Jap)

PHARMACODYNAMICS

- Effect of thyroid hormone analogues on the displacement of 125I-L-triiodothyronine from hepatic and heart nuclei in vivo: possible relationship to hormonal activity. Oppenheimer JH, et al.
Biochem Biophys Res Commun 55:544-50, 10 Dec 73

THYROGLOBULIN

- Lymphocyte cytotoxicity induced by pre-incubation with serum from patients with Hashimoto thyroiditis. Calder EA, et al. Clin Exp Immunol 15:467-70, Nov 73
Antigen-binding peripheral blood lymphocytes in guinea-pigs immunized with human thyroglobulin and BCG. Donald D, et al.
Clin Exp Immunol 13:101-6, Jan 73
Autoimmune murine thyroiditis. V. Genetic influence on the disease in BSVS and BRVR mice. Rose NR, et al. Clin Exp Immunol 15:281-7, Oct 73
Circulating lymphocyte subpopulations in Hashimoto thyroiditis. Urhianiak SJ, et al.
Clin Exp Immunol 15:345-54, Nov 73
Insolubilized antithyroglobulin antihodies: properties and interest in the study of thyroglobulin. Torresani J. J Immunol Methods 3:35-52, Aug 73

ANALYSIS

- Demonstration of thyroglobulin in lymph vessels of TSH stimulated guinea pigs by the indirect immunofluorescence technique. Böcker W, et al.
Acta Endocrinol (Kbh) 74:666-74, Dec 73
Sodium dodecyl sulfate-polyacrylamide gel electrophoresis of thyroglobulin-related components

- synthesized in vitro. Roques M, et al.
Biochim Biophys Acta 322:437-47, 18 Oct 73
Immunochemical characterization of thyroglobulin-related components synthesized in cell-free systems. Torresani J, et al.
Biochim Biophys Acta 322:421-36, 18 Oct 73
Sedimentation characteristics of thyroglobulin in some amphibians after 131-I iodination in vivo. Peyrot A, et al. Gen Comp Endocrinol 21:461-7, Dec 73
Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, Lampetra reissneri. Suzuki S, et al.
Gen Comp Endocrinol 21:451-60, Dec 73
Immunological cross-reactivity between thyroglobulins of mammals and reptiles. Torresani J, et al. Gen Comp Endocrinol 21:530-5, Dec 73
Neutral and amino sugar composition of thyroglobulin. Comparison of the compositions of different fractions of hog thyroglobulin and of thyroglobulins from various animal species. Ul N.
J Biochem (Tokyo) 74:593-9, Sep 73
A beta-mannosidic linkage in the unit A oligosaccharide of bovine thyroglobulin. Tarentino AL, et al.
J Biol Chem 248:5547-8, 10 Aug 73
Insolubilized antithyroglobulin antihodies: properties and interest in the study of thyroglobulin. Torresani J. J Immunol Methods 3:35-52, Aug 73
[Study of iodine-containing amino acid composition of crude and iodinated (in vitro) thyroglobulin under normal conditions and in thyroid diseases] Turakulov IaKh, et al.
Probl Endokrinol (Mosk) 19:99-103, Nov-Dec 73 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

- [Incidence and significance of auto-antibodies in hypothyroidism (author's transl)] Uthgenannt H, et al.
Dtsch Med Wochenschr 99:12-3, 4 Jan 74 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

- The formation of thyroglobulin in human thyroid medullary carcinoma. Ljunggren JG, et al.
Acta Endocrinol (Kbh) 74:105-10, Sep 73
Biochemical defects in thyroid hormone synthesis and their relation to endemic goiter. DeGroot LJ.
Acta Endocrinol [Suppl] (Kbh) 34-5, 1973
Sodium dodecyl sulfate-polyacrylamide gel electrophoresis of thyroglobulin-related components synthesized in vitro. Roques M, et al.
Biochim Biophys Acta 322:437-47, 18 Oct 73
Immunochemical characterization of thyroglobulin-related components synthesized in cell-free systems. Torresani J, et al.
Biochim Biophys Acta 322:421-36, 18 Oct 73
Translation in Xenopus oocytes of thyroglobulin mRNA isolated by poly(U)-Sepharose affinity chromatography. Vassart G, et al.
Biochim Biophys Acta 324:575-80, 14 Nov 73
Morphological and functional maturation of the thyroid during early development of anuran larvae. Hanaoka Y, et al. Gen Comp Endocrinol 21:410-23, Dec 73
Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, Lampetra reissneri. Suzuki S, et al.
Gen Comp Endocrinol 21:451-60, Dec 73
Thyroglobulin defect in a human congenital goiter. Riesco G, et al.
J Clin Endocrinol Metab 38:33-41, Jan 74
Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. Björkman U, et al.
J Ultrastruct Res 45:231-53, Nov 73

ISOLATION & PURIFICATION

- Spontaneous thyroiditis in thymectomized and

THYROID

THYROXINE

Irradiated Wistar rats. Penhale WJ, et al.
Clin Exp Immunol 15:225-36, Oct 73

METABOLISM

Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. Björkman U, et al.
J Ultrastruct Res 45:231-53, Nov 73

[Study of iodine-containing amino acid composition of crude and iodinated (in vitro) thyroglobulin under normal conditions and in thyroid diseases] Turakulov IaKh, et al.

Probi Endokrinol (Mosk) 19:99-103, Nov-Dec 73 (Eng. Abstr.) (Rus)

THYROID HORMONES

[Endocrinological aspects of the effect of lithium on human organism (author's transl)] Rybakowski J.
Przegl Lek 30:739-42, 1973 (45 ref.) (Pol)

ADMINISTRATION & DOSAGE

[Prolonged clinical use of an association of synthetic thyroid hormones in thyroid insufficiency and euthyroid goiter] Luyckx A.
Rev Med Liege 28:702-11, 15 Oct 73 (Fre)

ADVERSE EFFECTS

[ST-T segment changes in the ECG in factitial thyrotoxicosis] Jost F.
Z Kardiol 62:845-50, Sep 73 (Eng. Abstr.) (Ger)

BLOOD

Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. Am J Clin Nutr 27:96-103, Jan 74
[The elements of diagnosis in hyperthyroid syndromes] Hennen G.
Rev Med Liege 28:592-3, 1 Sep 73 (Fre)

DIAGNOSTIC USE

Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)

METABOLISM

Biochemical defects in thyroid hormone synthesis and their relation to endemic goiter. DeGroot LJ.
Acta Endocrinol [Suppl] (Kbh) 34-5, 1973

The incidence as a function of age of thyroid dysfunction for two populations living in a goitrogenic environment. Pathogenesis of endemic goiter. Delange F, et al.

Acta Endocrinol [Suppl] (Kbh) 29-30, 1973
Pathogenesis and aetiology of endemic goitre in Greece. Koutras DA, et al.

Acta Endocrinol [Suppl] (Kbh) 45-6, 1973
Interaction of drugs with thyroid hormone binding sites. Oppenheimer JH.

Ann NY Acad Sci 226:333-40, 26 Nov 73 (26 ref.)
The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73

PHARMACODYNAMICS

Proceedings: Cardiac responses to pituitary and thyroid hormones. Beznak M, et al.
Br J Pharmacol 44:333P-334P, Feb 72

Effect of thyroid hormones and dietary fat on the interrelation of lipid and carbohydrate metabolism in rats. Felt V. Endocrinol Exp (Bratisl) 7:283-91, 1973

Cold adaptation. 3. Effects of catecholamines and thyroid hormone on induction of liver phosphoenolpyruvate carboxykinase on cold-exposure. Nagai K, et al.

J Biochem (Tokyo) 74:873-9, Nov 73

[Study on the effect of thyroid hormones and iodine on protein synthesis in the cell-free polyribosomal system of the thyroid gland] Atakhanova BA, et al.
Probi Endokrinol (Mosk) 19:111-3, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Possible potentiation of haloperidol neurotoxicity in acute hyperthyroidism. Lake CR, et al.
Br J Psychiatry 123:523-5, Nov 73

The hypothalamic-pituitary control of aging and age-related pathology. Everitt AV.

Exp Gerontol 8:265-77, Oct 73 (104 ref.)

The thyroid and age. Frolkis VV, et al.

Exp Gerontol 8:285-96, Oct 73

The effects of thyroid hormone on vitamin D-induced nephrocalcinosis. Newman RJ.

J Pathol 111:13-21, Sep 73

Endocrinology of puberty. I. Normal sexual maturation.

Root AW. J Pediatr 83:1-19, Jul 73 (111 ref.)

[Thyroid gland and the stomach] Mosin VI.

Klin Med (Mosk) 51:15-21, Jan 73 (84 ref.) (Rus)

[Current concepts of insulin resistance and causes of its development] Llashko KlA, et al.

Ter Arkh 45:9-15, Sep 73 (75 ref.) (Rus)

THERAPEUTIC USE

Pterional orbital decompression in progressive ophthalmopathy of Graves' disease. I. Short-term effects. Algvere P, et al.

Acta Ophthalmol (Kbh) 51:461-74, 1973

The metabolism of LDL. Myant NB.

Adv Exp Med Biol 38:53-67, 1973 (26 ref.)

Hyperthyroidism and adult celiac disease. Wall AJ, et al.

Am J Gastroenterol 60:387-93, Oct 73

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.

Am J Obstet Gynecol 117:955-61, 1 Dec 73

Acute pancreatitis and diabetic ketoacidosis in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.

Br Med J 4:757-61, 29 Dec 73

Hypothyroidism. Berlinger FG.

Ill Med J 141:537-40, Jun 73

Genetics in medical practice of 1970s. Practical applications. Bartalos M.

NY State J Med 73:2763-7, 1 Dec 73

The thyroid and atherosclerotic arterial disease. Menof P. S Afr Med J 47:2315-25, 8 Dec 73

Radioimmunoassay of triiodothyronine. Sakurada T, et al.

Tohoku J Exp Med 110:329-40, Aug 73

[Hormone therapy in cancers of the thyroid and the mammary gland] Closson J.

Rev Med Liege 28:671-9, Oct 73 (Fre)

[Prolonged clinical use of an association of synthetic thyroid hormones in thyroid insufficiency and euthyroid goiter] Luyckx A.

Rev Med Liege 28:702-11, 15 Oct 73 (Fre)

[Goiter recurrence prophylaxis in an endemic goiter region] Ralner O, et al.

Acta Endocrinol [Suppl] (Kbh) 99-100, 1973 (Ger)

[Thyroid disorders (author's transl)] Harnack GA von. Monatsschr Kinderheilkd 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

[ST-T segment changes in the ECG in factitial thyrotoxicosis] Jost F.

Z Kardiol 62:845-50, Sep 73 (Eng. Abstr.) (Ger)

[On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al.

Stud Cercet Endocrinol 24:465-71, 1973 (Rum)

[Experience with the vaccine-drug therapy of brucellosis accompanied by changes in the state of allergic reactivity] Lopatina ZhM.

Sov Med 36:72-6, May 73 (Eng. Abstr.) (Rus)

Sov Med 36:72-6, May 73 (Eng. Abstr.) (Rus)

Sov Med 36:72-6, May 73 (Eng. Abstr.) (Rus)

THYRONINE

BIOSYNTHESIS

Morphological and functional maturation of the thyroid during early development of anuran larvae. Hanaoka Y, et al. Gen Comp Endocrinol 21:410-23, Dec 73

BLOOD

Thyroid function tests--an enigma? Schröffner WG.
Hawaii Med J 32:325-6, Sep-Oct 73

THERAPEUTIC USE

The intravenous fat tolerance test with intralipid in various types of hyperlipidaemias and comparison between metabolism of intralipid and VLDL. Rössner S. Adv Exp Med Biol 38:69-85, 1973

THYROXINE

Failure of TSH radioimmunoassay to consistently

THYROID

THYROXINE

detect mild TSH mediated thyroid stimulation.
Kohler H, et al. *Clin Endocrinol (Oxf)* 2:327-32, Oct 73

ADMINISTRATION & DOSAGE

On the relation of dystonic movements to serum thyroxine levels. Remillard GM, et al.
Can Med Assoc J 110:59-61, 5 Jan 74
Thyrotropin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al.
Endocrinology 91:188-97, Jan 74
DNA synthesis during differentiation of tadpole shank epidermis. Wright ML. *J Exp Zool* 186:237-56, Dec 73
Cell kinetics of the growth plate in hypophysectomized rats treated with growth hormone and thyroxine. Thorngren KG, et al.
Z Zellforsch Mikrosk Anat 142:431-42, 17 Sep 73

ADVERSE EFFECTS

On the relation of dystonic movements to serum thyroxine levels. Remillard GM, et al.
Can Med Assoc J 110:59-61, 5 Jan 74
The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
[Can thyroxine start hyperthyroidism in endemic goiters?] Foldenauer A.
Acta Endocrinol [Suppl] (Kbh) 79, 1973 (Ger)
[Letter: Lipid lowering drugs] Weizel A.
Dtsch Med Wochenschr 98:2426, 14 Dec 73 (Ger)

ANALYSIS

Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. Bonnyns M, et al. *Clin Endocrinol (Oxf)* 2:277-87, Jul 73
The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
A case of triiodothyronine-secretor with hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73
[Partially automatic procedure for the determination of thyroxine-bound iodine in the human serum] Seelg G, et al.
Z Med Labortech 14:211-7, 1973 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Iodinated thyrolipids: their possible role in homogenesis. Shah DH, et al.
Acta Endocrinol (Kbh) 74:461-74, Nov 73
Synthesis of 125I monolabelled 3, 5, 3'-triiodothyronine and thyroxine of maximum specific activity for radioimmunoassay. Weeke J, et al.
Scand J Clin Lab Invest 32:357-60, Dec 73

BLOOD

Serum thyrotrophin response to thyrotrophin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Gordin A, et al.
Acta Endocrinol (Kbh) 74:111-21, Sep 73
Endocrine changes before and after the menarche. IV. Serum thyrotrophin in female adolescents. Lamberg BA, et al. *Acta Endocrinol (Kbh)* 74:695-702, Dec 73
Endocrine changes before and after the menarche. 3. Total thyroxine and "free thyroxine index", and the binding capacity of thyroxine binding proteins in female adolescents. Lamberg BA, et al.
Acta Endocrinol (Kbh) 74:685-94, Dec 73
TSH response to synthetic TRH in endemic goitre. Pinchera A, et al.
Acta Endocrinol [Suppl] (Kbh) 51-2, 1973
Thyroid function through pregnancy and in the fetus and newly born from a goiter endemic in Peru. Pretell EA. *Acta Endocrinol [Suppl] (Kbh)* 28, 1973
Total serum T3 and TSH response to TRH stimulation in patients with endemic goiter. Scriba PC, et al.
Acta Endocrinol [Suppl] (Kbh) 53-4, 1973
"Free" thyroxine index. A reliable substitute for "free" thyroxine concentration. Rosenfeld L.
Am J Clin Pathol 61:118-21, Jan 74
Interaction of drugs with thyroid hormone binding sites. Oppenheimer JH.
Ann NY Acad Sci 226:333-40, 26 Nov 73 (26 ref.)
Pharmacokinetic consequences of plasma protein binding of drugs. Schoenemann PT, et al.
Ann NY Acad Sci 226:162-71, 26 Nov 73
On the relation of dystonic movements to serum

thyroxine levels. Remillard GM, et al.
Can Med Assoc J 110:59-61, 5 Jan 74
Letter: Thyroxine and triiodothyronine in cord serum. Kubasik NP. *Clin Chem* 20:95, 1974
Serum thyroxine: results compared for a commercial radioimmunoassay and a commercial competitive protein binding analysis. Kubasik NP, et al.
Clin Chem 19:1307-8, Nov 73
Measurement of serum percentage free thyroxine by equilibrium dialysis and ion-exchange chromatography. Bird R, et al.
Clin Chim Acta 48:323-7, 30 Oct 73
Serum thyrotrophin and hypothyroidism during lithium therapy. Lindstedt G, et al.
Clin Chim Acta 48:127-33, 12 Oct 73
Thyroid function in the neonate. Chan V, et al.
Clin Endocrinol (Oxf) 2:333-7, Oct 73
Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. Faglia G, et al.
Clin Endocrinol (Oxf) 2:207-10, Jul 73
Triiodothyronine. Hoffenberg R.
Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)
The effect of surgical operation of moderate severity on thyroid function. Kirby R, et al.
Clin Endocrinol (Oxf) 2:28-99, Apr 73
Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
The role of triiodothyronine (T3) in the maintenance of euthyroidism in endemic goitre. Pharaoh PO, et al.
Clin Endocrinol (Oxf) 2:193-9, Jul 73
Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:127-34, Apr 73
Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Korz R, et al.
Clin Nephrol 1:307-10, Sep-Oct 73
Thyrotrophin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al.
Endocrinology 91:188-97, Jan 74
The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
Familial hyperlipoproteinemia and thyroid dysfunction of beagles. Manning PJ, et al.
Exp Mol Pathol 19:378-88, Dec 73
Plasma triiodothyronine concentration in the newborn calf. Nathanielsz PW, et al.
Experientia 29:1426, 15 Nov 73
Long-term toxicity studies of erythrosine. II. Effects on haematology and thyroxine and protein-bound iodine in rats. Hansen WH, et al.
Food Cosmet Toxicol 11:535-45, Aug 73
Diagnosing thyroid disease by selected laboratory tests. Wahner HW. *Geriatrics* 29:83-6 passim, Jan 74
Calcitonin and iodinated hormones in sheep. Barlet JP, et al. *Horm Metab Res* 5:475-6, Nov 73
Pathophysiology of the thyroid gland: a laboratory approach. Golding F.
J Am Osteopath Assoc 73:273-8, Dec 73
Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74
Proceedings: The radioimmunoassay of free (diffusible) T3 and T4 concentrations in serum. Ellis SM, et al. *J Endocrinol* 59:43, Nov 73
Iodide goiter following lymphography. Koutras DA, et al. *J Pediatr* 83:83-4, Jul 73
Triiodothyronine. Physiological and clinical significance. Gharib H. *JAMA* 227:302-4, 21 Jan 74
Some quantitative aspects of in vitro thyroid diagnostic tests. Glover JS. *Jap J Nucl Med* 10:423-31, Aug 73
Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. Cevallos JL, et al. *N Engl J Med* 290:141-3, 17 Jan 74
Optic neuropathy of graves's disease. Treatment by transantral or transfrontal orbital decompression. Gorman CA, et al. *N Engl J Med* 290:70-5, 10 Jan 74
Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73
Treatment of hyperthyroidism in pregnancy. Jackson GL. *Pa Med* 76:56-7, Dec 73
Free and total thyroxine in serum. Ranges and sex differences for selected normals, patients with thyroid disease, and pregnant women. Kelstrup J. *Scand J Clin Lab Invest* 32:227-31, Nov 73
A case of triiodothyronine-secretor with hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73
Effect of heparinoid on free thyroxine concentration in

THYROID

THYROXINE

- human serum. Sakurada T, et al.
Tohoku J Exp Med 110:209-24, Jul 73
- Weill-Marchessani syndrome. Growth hormone, thyroid and chromosome studies. Götz M, et al.
Z Kinderheilkd 116:43-9, 12 Dec 73
- [A kinetic method for the determination of thyroxine iodine (author's transl)] Arcq JC, et al.
Clin Chim Acta 48:287-9, 30 Oct 73 (Eng. Abstr.) (Fre)
- [Comparison between T3 levels in compensative hyperplasia of the thyroid gland and in euthyroids without iodine deficiency] Goebel R, et al.
Acta Endocrinol [Suppl] (Kbh) 57-8, 1973 (Ger)
- [Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al.
Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)
- [Significance of the Effective Thyroxine Ratio-ETR for the course evaluation of thyroid-specific therapy] Vosberg H, et al. Med Welt 24:1535-6, 5 Oct 73 (Ger)
- [T4-test, thyro-hindung-index, and free-thyroxine-index in children (author's transl)] Lüders D.
Monatsschr Kinderheilkd 121:659-65, Nov 73 (Eng. Abstr.) (Ger)
- [In vitro study of thyroid gland function in finches (Serinus serinus) during migration] Robiller F, et al. Naturwissenschaften 60:522, Nov 73 (Ger)
- [Sodium and potassium in erythrocytes (author's transl)] Nagaki J, et al.
Jap J Clin Pathol 21:653-7, Aug 73 (Jap)
- [Clinical usefulness of thyroxine blood serum level evaluation] Gemhickl M, et al.
Endokrynol Pol 24:473-7, Nov-Dec 73 (Eng. Abstr.) (Pol)

DIAGNOSTIC USE

- [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
- [Sources of error in the in-vitro diagnosis of thyroid function (author's transl)] Seegelken K, et al.
Dtsch Med Wochenschr 98:2197-200, 16 Nov 73 (Eng. Abstr.) (Ger)

METABOLISM

- Endocrine changes before and after the menarche. 3. Total thyroxine and "free thyroxine index", and the binding capacity of thyroxine binding proteins in female adolescents. Lamberg BA, et al.
Acta Endocrinol (Kbh) 74:685-94, Dec 73
- Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
- Thyroid hormone binding by bovine and ovine fetuin. Fisher DA, et al. Endocrinology 91:49-54, Jan 74
- The effect of taurocholate on the biliary secretion of thyroxine in the rat liver. Hillier AP.
Endocrinology 91:272-5, Jan 74
- Thyroxine content in the thyroid gland of domestic animals. VI. Iodine binding in thyroid gland tissue using radioautography. Abdel-Wahab MF, et al.
Endokrinologie 61:195-200, May 73
- Trilodothyronine. Physiological and clinical significance. Gharib H. JAMA 227:302-4, 21 Jan 74
- Thyroid hormone action in cell culture: demonstration of nuclear receptors in intact cells and isolated nuclei. Samuels HH, et al.
Proc Natl Acad Sci USA 70:3488-92, Dec 73
- Uterine concentration of thyroxine during the estrous cycle. Jacobs JJ, et al.
Proc Soc Exp Biol Med 144:160-3, 1 Oct 73
- Thyroxine delodination associated with NADPH-dependent (enzymatic) and FeS⁺-ADP-catalyzed (nonenzymatic) reactions in hepatic microsomes. Nakano M, et al.
Proc Soc Exp Biol Med 144:164-7, 1 Oct 73
- The in vitro delodination of thyroxine and trilodothyronine. Sakurada T, et al.
Tohoku J Exp Med 110:225-34, Jul 73
- [Thyroid function during febrile states] Nayer P de. Acta Clin Belg 28:223-7, Jul 73 (Eng. Abstr.) (Fre)
- [Effect of dlidodiphenolsulfonic acid (DIPS) on the iodine metabolism of rats and on the binding of thyroxine to human serum prealbumin] Wahl R, et al. Arzneimittel Forsch 23:1009-14, Aug 73 (Eng. Abstr.) (Ger)

- [In vitro study of thyroid gland function in finches (Serinus serinus) during migration] Robiller F, et al. Naturwissenschaften 60:522, Nov 73 (Ger)
- [Effects of neuroleptanalgesia on thyroid function in thyrotoxicosis] Takahashi H.
Jap J Anesthesiol 22:770-7, Aug 73 (Eng. Abstr.) (Jap)
- [Properties of amino acid pools of actinomycin-producing actinomycetes] Sorokina NV, et al. Antibiotiki 18:788-93, Sep 73 (Eng. Abstr.) (Rus)
- [Study of iodine-containing amino acid composition of crude and iodinated (in vitro) thyroglobulin under normal conditions and in thyroid diseases] Turakulov IaKh, et al.
Probl Endokrinol (Mosk) 19:99-103, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Interaction of thyroid hormones with phospholipid-depleted mitochondria] Turakulov IaKh, et al.
Tsitolgia 15:465-7, Apr 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

- The influence of thyroxine, 1-methyl-2-mercaptoimidazole and thyroidectomy on tissue catalase activity in guinea pigs. Krashkova AM, et al. Acta Biol Med Ger 30:829-33, 1973
- Effect of thyroxine and growth hormone on longitudinal bone growth in the hypophysectomized rat. Thorngren KG, et al.
Acta Endocrinol (Kbh) 74:24-40, Sep 73
- Thyroid function studies in normal and cold-exposed rabbits using 125I. Carlson LD, et al.
Acta Physiol Scand 89:359-73, Nov 73
- Hormonal and dietary adaptation of rat pancreatic hydrolases before and after weaning. Deschodt-Lanckman M, et al.
Am J Physiol 226:39-44, Jan 74
- Effect of thyroxine on ventricular myocardial contractility and ATPase activity in guinea pigs. Goodkind MJ, et al. Am J Physiol 226:66-72, Jan 74
- Adenyl cyclase in normal and pathologic human muscle. Mawatari S, et al. Arch Neurol 30:96-102, Jan 74
- Effect of thyroid hormone analogues on the displacement of 125I-L-trilodothyronine from hepatic and heart nuclei in vivo: possible relationship to hormonal activity. Oppenheimer JH, et al.
Biochem Biophys Res Commun 55:544-50, 10 Dec 73
- The effect of glucose ingestion on basal and induced enzyme levels in rat tissues. Greengard O, et al.
Biochim Biophys Acta 329:241-50, 5 Dec 73
- The effect of thyroxine and trilodothyronine on bacterial growth. Garher N, et al.
Can J Microbiol 19:1401-5, Nov 73
- Possible reversion of pituitary "thyroidectomy cells" into their original acidophils in rats. Yoshimura F, et al. Endocrinol Jap 20:249-62, Jun 73
- Thyrotropin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al.
Endocrinology 91:188-97, Jan 74
- Growth hormone-induced T cell differentiation. Arrhenbrecht S, et al. Eur J Immunol 3:601-4, Sep 73
- Trilodothyronine and thyroxine: induction of mitosis in adult frogs. Dominguez AE, et al.
Experientia 29:1291-2, 15 Oct 73
- Reactivity of the pituitary-thyroid system to exogenous thyroxine and propylthiouracil during the perinatal and neonatal period in the rabbit. Mach Z.
Folia Biol (Krakow) 21:379-89, 1973
- Thyroidal influence on early muscle growth of chickens. King DB, et al.
Gen Comp Endocrinol 21:517-29, Dec 73
- Studies on the cultivation of mammalian cell lines in a serum-free, chemically defined medium. Higuchi K, et al. In Vitro 9:114-121, Sep-Oct 73
- Neonatal thyroxine stimulation in rats: accelerated behavioral maturation and subsequent learning deficit. Davenport JW, et al.
J Comp Physiol Psychol 85:397-408, Nov 73
- In vitro studies of the influence of hormones on tail regeneration in adult Diemictylus viridescens. Vethamany-Glohus S, et al.
J Embryol Exp Morphol 30:397-413, Oct 73
- Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksi SN.
J Endocrinol 59:655-6, Dec 73
- DNA synthesis during differentiation of tadpole shank epidermis. Wright ML. J Exp Zool 186:237-56, Dec 73
- Intestinal lactase activity in the suckling rat: influence

THYROID

THYROXINE

- of hypophysectomy and thyroidectomy. Yeh K, et al. *Science* 183:77-9, 11 Jan 74
- Cell kinetics of the growth plate in hypophysectomized rats treated with growth hormone and thyroxine. Thorngren KG, et al. *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73
- [Influence of experimental metamorphosis on plasma and erythrocyte lactic dehydrogenase isoenzymes in *Amphystoma mexicanum* Shaw] Ouedraogo L, et al. *CR Acad Sci [D] (Paris)* 276:1749-52, 12 Mar 73 (Fre)
- [Some observations on the mechanism of increase of plasma renin activity in hyperthyroidism (author's transl)] Azumi T. *Jap J Nephrol* 15:401-13, May 73 (Eng. Abstr.) (Jap)
- [Effect of thyroxine on the tissue distribution of lipids in rats] Swierczek J. *Folia Med Cracov* 15:251-8, 1973 (Eng. Abstr.) (Pol)
- [DNA content and RNA synthesis in the nuclei of mouse myocardial muscle cells in conditions of altitude hypoxia and during thyroxine administration] Belov LN, et al. *Tsitologiya* 15:722-31, Jun 73 (Eng. Abstr.) (Rus)
- [Interaction of thyroid hormones with phospholipid-depleted mitochondria] Turakulov IaKh, et al. *Tsitologiya* 15:465-7, Apr 73 (Eng. Abstr.) (Rus)

SECRETION

- Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. Faglia G, et al. *Clin Endocrinol (Oxf)* 2:207-10, Jul 73
- The triiodothyronine and thyroxine response to thyrotrophin-releasing hormone in the assessment of the pituitary-thyroid axis. Lawton NF, et al. *Clin Endocrinol (Oxf)* 2:57-63, Jan 73
- The effect of taurocholate on the hiliary secretion of thyroxine in the rat liver. Hillier AP. *Endocrinology* 91:272-5, Jan 74

THERAPEUTIC USE

- Somatotrophic and corticotrophic functions in primary hypothyroidism before and after thyroxine treatment. Minozzi M, et al. *Acta Endocrinol (Kbh)* 74:483-91, Nov 73
- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease II. A follow-up study. Algvere P, et al. *Acta Ophthalmol (Kbh)* 51:475-82, 1973
- Treatment of type II and type IV Fredrickson's hyperlipoproteinemia. Crepaldi G, et al. *Adv Exp Med Biol* 38:199-217, 1973
- Down's syndrome with diabetes mellitus and hypothyroidism. Shaheed WA, et al. *Arch Dis Child* 48:917-8, Nov 73
- Editorial: The solitary thyroid nodule. *Br Med J* 4:310-1, 10 Nov 73
- Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. Fairclough PD, et al. *Clin Endocrinol (Oxf)* 2:351-9, Oct 73
- Hypothyroidism in psychogeriatric patients—ankle jerk reaction time as a screening technique. Cropper CF. *Gerontol Clin (Basel)* 15:15-24, 1973
- Hypothyroidism. Berlinger FG. *Ill Med J* 141:537-40, Jun 73
- Collaborative study of the effects of human growth hormone in growth hormone deficiency. II. Development and significance of antihodies to human growth hormone during the first year of therapy. Fraser SD, et al. *J Clin Endocrinol Metab* 38:14-8, Jan 74
- Bone and muscle defects in foals. Coffman JR. *Mod Vet Pract* 54:53-4 passim, Dec 73
- [Prolonged clinical use of an association of synthetic thyroid hormones in thyroid insufficiency and euthyroid goiter] Luyckx A. *Rev Med Liege* 28:702-11, 15 Oct 73 (Fre)
- [Indications and results of endemic goiter drug therapy with synthetic thyroid hormones] Horster FA, et al. *Acta Endocrinol [Suppl] (Kbh)* 89-90, 1973 (Ger)
- [Goiter recurrence prophylaxis in an endemic goiter region] Rainer O, et al. *Acta Endocrinol [Suppl] (Kbh)* 99-100, 1973 (Ger)
- [Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)
- [Intravital uptake of trypan blue in the epithelial cells

of the proximal renal tubule following suhlimate intoxication and subsequent treatment with L-thyroxine (author's transl)] Schulte-Wissermann H, et al.

- Virchows Arch [Pathol Anat]* 359:255-66, 28 May 73 (Ger)
- [The treatment of hyperthyroidism] Haugen HN. *Tidsskr Nor Laegeforen* 93:2050-2, 30 Sep 73 (Nor)

URINE

- Thyroid function in the neonate. Chan V, et al. *Clin Endocrinol (Oxf)* 2:333-7, Oct 73

TRIIODOTHYRONINE

- Triiodothyronine. Hoffenberg R. *Clin Endocrinol (Oxf)* 2:75-87, Jan 73 (79 ref.)
- Studies on sweating in clinical and experimental thyrotoxicosis. Allen JA, et al. *Clin Sci Mol Med* 45:765-73, Dec 73
- A survival case of myxedema coma of pituitary origin. Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73
- The effects of thyroid hormone on vitamin D-induced nephrocalcinosis. Newman RJ. *J Pathol* 111:13-21, Sep 73

ADMINISTRATION & DOSAGE

- The value of early triiodothyronine suppression test in the prognosis of thyrotoxicosis. Nielsen ES, et al. *Scand J Clin Lab Invest* 31:395-8, Jun 73

ADVERSE EFFECTS

- [Can thyroxine start hyperthyroidism in endemic goiters?] Foldenauer A. *Acta Endocrinol [Suppl] (Kbh)* 79, 1973 (Ger)

ANALYSIS

- A case of triiodothyronine-secretor with hypo-metabolism. Sakurada T, et al. *Tohoku J Exp Med* 110:319-27, Aug 73

BIOSYNTHESIS

- Morphological and functional maturation of the thyroid during early development of anuran larvae. Hanaoka Y, et al. *Gen Comp Endocrinol* 21:410-23, Dec 73
- Triiodothyronine. Physiological and clinical significance. Gharib H. *JAMA* 227:302-4, 21 Jan 74
- Synthesis of 125I monolabelled 3, 5, 3'-triiodothyronine and thyroxine of maximum specific activity for radioimmunoassay. Weeke J, et al. *Scand J Clin Lab Invest* 32:357-60, Dec 73
- [Triiodothyronine, physiological, physiopathological and clinical importance (comprehensive review)] Hainer V, et al. *Vnitř Lek* 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)

BLOOD

- Himalayan goitre. Ihnhertson HK. *Acta Endocrinol [Suppl] (Kbh)* 13-4, 1973
- Total serum T3 and TSH response to TRH stimulation in patients with endemic goiter. Scriba PC, et al. *Acta Endocrinol [Suppl] (Kbh)* 53-4, 1973
- Paroxysmal tachycardia, atrial fibrillation, congestive heart failure, protein-bound iodine and tri-iodothyronine. Casey AE, et al. *Ala J Med Sci* 10:278-80, Jul 73
- "Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L. *Am J Clin Pathol* 61:118-21, Jan 74
- Interaction of drugs with thyroid hormone binding sites. Oppenheimer JH. *Ann NY Acad Sci* 226:333-40, 26 Nov 73 (26 ref.)
- Letter: Thyroxine and triiodothyronine in cord serum. Kubasik NP. *Clin Chem* 20:95, 1974
- Measurement of serum percentage free thyroxine by equilibrium dialysis and ion-exchange chromatography. Bird R, et al. *Clin Chim Acta* 48:323-7, 30 Oct 73
- Thyroid function in the neonate. Chan V, et al. *Clin Endocrinol (Oxf)* 2:333-7, Oct 73
- Triiodothyronine. Hoffenberg R. *Clin Endocrinol (Oxf)* 2:75-87, Jan 73 (79 ref.)
- The effect of surgical operation of moderate severity

THYROID

TRIIODOTHYRONINE

ISOLATION & PURIFICATION

- Triliodothyronine. Hoffenberg R.
Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)
 Triliodothyronine. Physiological and clinical significance. Gharli H. *JAMA* 227:302-4, 21 Jan 74

METABOLISM

- Endocrine changes before and after the menarche. 3. Total thyroxine and "free thyroxine index", and the binding capacity of thyroxine binding proteins in female adolescents. Lamberg BA, et al.
Acta Endocrinol (Kbh) 74:685-94, Dec 73
 Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
 Self-limiting episodes of Jodbasedow. Nilsson G.
Acta Endocrinol (Kbh) 74:475-82, Nov 73
 Pathogenesis and aetiology of endemic goitre in Greece. Koutras DA, et al.
Acta Endocrinol [Suppl] (Kbh) 45-6, 1973
 Effect of thyroid hormone analogues on the displacement of 125I-L-triliodothyronine from hepatic and heart nuclei in vivo: possible relationship to hormonal activity. Oppenheimer JH, et al.
Biochem Biophys Res Commun 55:544-50, 10 Dec 73
 Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. Faglia G, et al.
Clin Endocrinol (Oxf) 2:207-10, Jul 73
 Triliodothyronine. Hoffenberg R.
Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)
 Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. Toft AD, et al. *Clin Endocrinol (Oxf)* 2:127-34, Apr 73
 Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Korz R, et al.
Clin Nephrol 1:307-10, Sep-Oct 73
 The effect of taurocholate on the biliary secretion of thyroxine in the rat liver. Hillier AP.
Endocrinology 91:272-5, Jan 74
 Thyroid hormone action in cell culture: demonstration of nuclear receptors in intact cells and isolated nuclei. Samuels HH, et al.
Proc Natl Acad Sci USA 70:3488-92, Dec 73
 The value of early triliodothyronine suppression test in the prognosis of thyrotoxicosis. Nielsen ES, et al.
Scand J Clin Lab Invest 31:395-8, Jun 73
 The in vitro delodination of thyroxine and triliodothyronine. Sakurada T, et al.
Tohoku J Exp Med 110:225-34, Jul 73
 [Triliodothyronine, physiological, physiopathological and clinical importance (comprehensive review)]
 Halner V, et al.
Vnitř Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
- [Effect of diiodophenolsulfonic acid (DIPS) on the iodine metabolism of rats and on the binding of thyroxine to human serum prealbumin] Wahl R, et al.
Arzneim Forsch 23:1009-14, Aug 73 (Eng. Abstr.) (Ger)
- [Effects of neuroleptanalgesia on thyroid function in thyrotoxicosis] Takahashi H.
Jap J Anesthesiol 22:770-7, Aug 73 (Eng. Abstr.) (Jap)

PHARMACODYNAMICS

- The diagnostic and prognostic value of the 20 min 99mTc-uptake in the thyroid gland. Kirkegaard C, et al.
Acta Endocrinol (Kbh) 74:659-65, Dec 73
 Effect of thyroid hormone analogues on the displacement of 125I-L-triliodothyronine from hepatic and heart nuclei in vivo: possible relationship to hormonal activity. Oppenheimer JH, et al.
Biochem Biophys Res Commun 55:544-50, 10 Dec 73
 Neuronal and hormonal influences on the turnover of monoamine oxidase in salivary gland. Goridis C, et al.
Biochem Pharmacol 22:2501-10, 15 Oct 73
 The effect of thyroxine and triliodothyronine on bacterial growth. Garher N, et al.
Can J Microbiol 19:1401-5, Nov 73
 Triliodothyronine and thyroxine: induction of mitosis in adult frogs. Dominguez AE, et al.
Experientia 29:1291-2, 15 Oct 73
 Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
Experientia 29:1398-9, 15 Nov 73
 Suppression of TRH-mediated thyroidal release of 131-I

- on thyroid function. Kirby R, et al.
Clin Endocrinol (Oxf) 2:28-99, Apr 73
 Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. *Clin Endocrinol (Oxf)* 2:369-76, Oct 73
 Serum triliodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
 The role of triliodothyronine (T3) in the maintenance of euthyroidism in endemic goitre. Pharaoh PO, et al. *Clin Endocrinol (Oxf)* 2:193-9, Jul 73
 A new radioimmunoassay method for serum triliodothyronine using sephadex G25 column. Shimizu T, et al. *Endocrinol Jap* 20:365-8, Aug 73
 Plasma triliodothyronine concentration in the newborn calf. Nathanielsz PW, et al.
Experientia 29:1426, 15 Nov 73
 Diagnosing thyroid disease by selected laboratory tests. Wahner HW. *Geriatrics* 29:83-6 passim, Jan 74
 Thyroid function tests—an enigma? Schroffner WG. *Hawaii Med J* 32:325-6, Sep-Oct 73
 Calcitonin and iodinated hormones in sheep. Barlet JP, et al. *Horm Metab Res* 5:475-6, Nov 73
 Balanced low-calorie vs. low-protein-low-carbohydrate reducing diets. II. Biochemical changes. Worthington BS, et al. *J Am Diet Assoc* 64:52-5, Jan 74
 Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74
 Proceedings: The radioimmunoassay of free (diffusible) T3 and T4 concentrations in serum. Ellis SM, et al. *J Endocrinol* 59:43, Nov 73
 Triliodothyronine. Physiological and clinical significance. Gharli H. *JAMA* 227:302-4, 21 Jan 74
 Letter: Sudden infant death syndrome and triliodothyronine (T3) serum levels. Kocsard-Varo G. *Med J Aust* 2:789-90, 20 Oct 73
 Optic neuropathy of graves's disease. Treatment by transantral or transfrontal orbital decompression. Gorman CA, et al. *N Engl J Med* 290:70-5, 10 Jan 74
 A case of triliodothyronine-secreter with hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73
 Radioimmunoassay of triliodothyronine. Sakurada T, et al. *Tohoku J Exp Med* 110:329-40, Aug 73
 Weill-Marchesani syndrome. Growth hormone, thyroid and chromosome studies. Götz M, et al.
Z Kinderheilkd 116:43-9, 12 Dec 73
 [Triliodothyronine, physiological, physiopathological and clinical importance (comprehensive review)]
 Halner V, et al.
Vnitř Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)
- [T3-hyperthyreosis] Aro A.
Duodecim 89:1406-8, Jul 73 (Fin)
- [Comparison between T3 levels in compensative hyperplasia of the thyroid gland and in euthyroids without iodine deficiency] Goebel R, et al.
Acta Endocrinol [Suppl] (Kbh) 57-8, 1973 (Ger)
- [Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 26 German thyroid-gland-experts] Klein E, et al.
Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)
- [T4-test, thyro-binding-index, and free-thyroxine-index in children (author's transl)] Lüders D.
Monatsschr Kinderheilkd 121:659-65, Nov 73 (Eng. Abstr.) (Ger)
- [Blood triliodothyronine level in iodavidine thyroid gland] Goebel R, et al.
Wien Z Inn Med 54:131-6, 1973 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

- Triliodothyronine. Hoffenberg R.
Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)
 Diagnosing thyroid disease by selected laboratory tests. Wahner HW. *Geriatrics* 29:83-6 passim, Jan 74
 The value of early triliodothyronine suppression test in the prognosis of thyrotoxicosis. Nielsen ES, et al.
Scand J Clin Lab Invest 31:395-8, Jun 73
 [Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)
- [Evaluation of the pituitary-thyroid axis by the triliodothyronine test] Szybiński Z, et al.
Pol Arch Med Wewn 50:1189-96, Nov 73 (Eng. Abstr.) (Pol)

THYROID

TRIODOOTHYRONINE

- by a synthetic analog. Lybeck H, et al.
Neuroendocrinology 12:366-70, 1973
 Erythropoiesis in hypothyroidism. Donati RM, et al.
Proc Soc Exp Biol Med 144:78-82, 1 Oct 73
 [Change in the catecholamine and serotonin content in
 the brain in hyper- and hypothyroid states] Savitskif
 Siu. *Vrach Delo* 5:91-4, May 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Triiodothyronine. Physiological and clinical
 significance. Gharib H. *JAMA* 237:302-4, 21 Jan 74
 [Triiodothyronine, physiological, physiopathological
 and clinical importance (comprehensive review)]
 Hainer V, et al.
Vnitř Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.)
 (Cze)

SECRETION

- The nodularity of nodular goitre. Taylor S.
Acta Endocrinol [Suppl] (Kbh) 59-60, 1973
 The triiodothyronine and thyroxine response to
 thyrotrophin-releasing hormone in the assessment of
 the pituitary-thyroid axis. Lawton NF, et al.
Clm Endocrinol (Oxf) 2:57-63, Jan 73
 A case of triiodothyronine-secreter with
 hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73

THERAPEUTIC USE

- Sequential assessment during drug treatment of
 thyrotoxicosis. Alexander WD, et al.
Clm Endocrinol (Oxf) 2:43-50, Jan 73
 Serum TSH responses to intravenously and orally
 administered TRH in man after thyroidectomy for

- carcinoma of the thyroid. Fairclough PD, et al.
Clm Endocrinol (Oxf) 2:351-9, Oct 73
 Studies of thyroid function using ⁹⁹Tcm in thyrotoxic
 patients during treatment with antithyroid drugs.
 Goolden AW, et al.
Clm Endocrinol (Oxf) 2:65-73, Jan 73
 Triiodothyronine. Hoffenberg R.
Clm Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)
 A survival case of myxedema coma of pituitary origin.
 Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73
 Hypothyroidism. Berlinger FG.
Ill Med J 141:537-40, Jun 73
 Letter: Replacement therapy for hypothyroidism in the
 dog. Siegel ET. *J Am Vet Med Assoc* 164:4-5, 1 Jan 74
 [Prolonged clinical use of an association of synthetic
 thyroid hormones in thyroid insufficiency and
 euthyroid goiter] Luyckx A.
Rev Med Liege 28:702-11, 15 Oct 73 (Fre)
 [Indications and results of endemic goiter drug therapy
 with synthetic thyroid hormones] Horster FA, et al.
Acta Endocrinol [Suppl] (Kbh) 89-90, 1973 (Ger)
 [Goiter recurrence prophylaxis in an endemic goiter
 region] Rainer O, et al.
Acta Endocrinol [Suppl] (Kbh) 89-100, 1973 (Ger)
 [Thyroid disorders (author's transl)] Harnack GA von.
Monatsschr Kinderheilkd 121:614-7, Oct 73 (11 ref.)
 (Eng. Abstr.) (Ger)

URINE

- Thyroid function in the neonate. Chan V, et al.
Clm Endocrinol (Oxf) 2:333-7, Oct 73
 Triiodothyronine. Hoffenberg R.
Clm Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)

THYROID

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

The effects of thyroid hormone on vitamin D-induced nephrocalcinosis. Newman RJ.
J Pathol 111:13-21, Sep 73

ADMINISTRATION & DOSAGE

[Effects of carbimazole on the chicken thyroid gland] Haid H.
Endokrinologie 61:321-8, Jun 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
[Effects of carbimazole on the chicken thyroid gland] Haid H.
Endokrinologie 61:321-8, Jun 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

The diagnostic and prognostic value of the 20 min ^{99m}Tc-uptake in the thyroid gland. Kirkegaard C, et al. *Acta Endocrinol (Kbh)* 74:659-65, Dec 73
Sequential assessment during drug treatment of thyrotoxicosis. Alexander WD, et al.
Clin Endocrinol (Oxf) 2:43-50, Jan 73
Studies of thyroid function using ^{99m}Tcm in thyrotoxic patients during treatment with antithyroid drugs. Goulden AW, et al.
Clin Endocrinol (Oxf) 2:65-73, Jan 73
Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
Non-parallel return of PBI and ankle-jerk time values to normal during initial high-dose thyrostatic treatment. Váňa S, et al.
Endokrinologie 61:329-33, Jun 73
The value of early triiodothyronine suppression test in the prognosis of thyrotoxicosis. Nielsen ES, et al.
Scand J Clin Lab Invest 31:395-8, Jun 73

METHIMAZOLE

Biosynthesis and composition of brain galactolipids in normal and hypothyroid rats. Mantzos JD, et al.
J Neurochem 21:1207-13, Nov 73

PHARMACODYNAMICS

[Extrathyroidal effect of methylmercaptimidazole. II. Effect of methylmercaptimidazole on the activity of the liver and kidneys of normal and thyroidectomized guinea pigs] Mitev IP, et al.
Probl Endocrinol (Mosk) 19:107-10, Nov-Dec 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

The co-existence of parathyroid and thyroid disease. II. Primary hyperparathyroidism and thyrotoxicosis. Hajjar ET, et al. *J Med Liban* 26:247-52, 1973
[Proof of increased hypothalamic activity] Mosonyi L, et al.
Wien Z Inn Med 54:114-9, 1973 (Eng. Abstr.) (Ger)

TOXICITY

The effects of long-term ingestion of methimazole on the thyroids of rats. Owen NV, et al.
Food Cosmet Toxicol 11:649-53, Aug 73

METHYLTHIOURACIL

[Comparative electron cytochemical study of the distribution of succinate dehydrogenase in the mitochondria of normal, hyperplastic and neoplastic cells in rat thyroid gland] Dmitrieva NP, et al.
Tsitologiya 15:156-60, Feb 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Comparison of histometrical parameters in rat thyroids following application of methylthiouracil] Messow C, et al.
Arzneim Forsch 23:1076-9, Aug 73 (Eng. Abstr.) (Ger)
[Change in the catecholamine and serotonin content in the brain in hyper- and hypothyroid states] Savitskiĭ Siu. *Vrach Delo* 5:91-4, May 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Complex therapy including methyluracil and data on hepatic radioindication using Bengal rose I-131 in infections hepatitis] Kosovskif Iulu, et al.
Vrach Delo 9:143-6, Sep 73 (Rus)

PROPYLTHIOURACIL

Induction of goitre by PTU or KClO₄ in male and female rats. Effect of gonadectomy. Jolin T, et al. *Acta Endocrinol (Kbh)* 74:88-104, Sep 73
Effects of thyroid deficiency on the different cell populations of the cerebellum in the young rat. Clos J, et al. *Brain Res* 63:450-5, 7 Dec 73
Differential effects of hypothyroidism and undernutrition on the development of gila in the rat cerebellum. Clos J, et al. *Brain Res* 63:445-9, 7 Dec 73
The development of abnormal cerebellar astrocytes in young hypothyroid rats. Pesetsky I.
Brain Res 63:456-60, 7 Dec 73
Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksi SN.
J Endocrinol 59:655-6, Dec 73

PHARMACODYNAMICS

Studies on iodine concentration in psammoma bodies in the thyroids of chronically iodine-deficient rats: effect of iodine repletion. Greer MA, et al.
Am J Pathol 73:775-88, Dec 73
Changes in thyroid ribonucleic acid, ribonucleases and alkaline ribonuclease inhibitor. Murthy PV, et al. *Endocrinology* 91:74-81, Jan 74
Reactivity of the pituitary-thyroid system to exogenous thyroxine and propylthiouracil during the perinatal and neonatal period in the rabbit. Mach Z.
Folia Biol (Krakow) 21:379-89, 1973

THIOURACIL

The effect of an intramolecular cross-link on reversible denaturation in tryptophan transfer ribonucleic acid from *Escherichia coli*. Buckingham RH, et al. *Biochemistry* 12:5393-9, 18 Dec 73
Electronic structure of thiouracils and their interaction with adenine. Geller M, et al.
Biochim Biophys Acta 331:1-8, 26 Nov 73

THERAPEUTIC USE

[Discussion of the aetiology of human endemic goitre (author's transl)] Taterka W.
Praxis 62:1444-8, 20 Nov 73 (Eng. Abstr.) (Fre)

THYROID ANTAGONISTS

ADMINISTRATION & DOSAGE

[On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)

ADVERSE EFFECTS

[The treatment of hyperthyroidism] Haugen HN. *Tidsskr Nor Lægeforen* 93:2050-2, 30 Sep 73 (Nor)

THERAPEUTIC USE

- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease. I. Short-term effects. Algvere P, et al.
Acta Ophthalmol (Kbh) 51:461-74, 1973
- [The treatment of hyperthyroidism] Winand R.
Rev Med Liege 28:594-5, 1 Sep 73 (Fre)
- [Significance of the Effective Thyroxine Ratio-ETR for the course evaluation of thyroid-specific therapy] Vosberg H, et al. *Med Welt* 24:1535-6, 5 Oct 73 (Ger)
- [The treatment of hyperthyroidism] Haugen HN.
Tidsskr Nor Laegeforen 93:2050-2, 30 Sep 73 (Nor)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al.
Stud Cercet Endocrinol 24:465-71, 1973 (Rum)

THYROID

V. Related Topics

EXOPHTHALMOS

CHEMICALLY INDUCED

[The eye and the pill (author's transl)] Corcelle L.
Klin Monatsbl Augenheilkd 163:204-11, Aug 73 (Eng.
Abstr.) (Ger)

COMPLICATIONS

Proceedings: Pretibial myxoedema and thyroid
acropachy. Possible dermatitis herpetiformis. Goldin
D. Proc R Soc Med 66:983-4, Oct 73

DIAGNOSIS

[Differential diagnosis of unilateral exophthalmos by
ultrasonography] Sung KH.
Chin Med J 11:648-52, Nov 73 (Eng. Abstr.) (Chl)
[Emergency diagnosis and therapy from the
ophthalmologic viewpoint] Neubauer H.
Med Welt 24:1563-5, 12 Oct 73 (Ger)

DRUG THERAPY

Pterional orbital decompression in progressive
ophthalmopathy of Graves' disease. I. Short-term
effects. Algvere P, et al.
Acta Ophthalmol (Kbh) 51:461-74, 1973
Proptosis secondary to systemic lupus erythematosus.
Brenner EH, et al. Arch Ophthalmol 91:81-2, Jan 74

ETIOLOGY

Congenital orbital teratoma. Barber JC, et al.
Arch Ophthalmol 91:45-8, Jan 74
Proptosis secondary to systemic lupus erythematosus.
Brenner EH, et al. Arch Ophthalmol 91:81-2, Jan 74
Primary intraorbital meningiomas. Karp LA, et al.
Arch Ophthalmol 91:24-8, Jan 74
Ophthalmological and radiological findings in
sphenoidal mucocoeles. Valvassori GE, et al.
Arch Ophthalmol 90:456-9, Dec 73
[Proceedings: Ocular symptoms of cerebral
aneurysms] Huber.
Ophthalmologica 167:165-88, 1973 (Ger)

PATHOLOGY

Proptosis secondary to systemic lupus erythematosus.
Brenner EH, et al. Arch Ophthalmol 91:81-2, Jan 74

SURGERY

Pterional orbital decompression in progressive
ophthalmopathy of Graves' disease II. A follow-up
study. Algvere P, et al.
Acta Ophthalmol (Kbh) 51:475-82, 1973
Pterional orbital decompression in progressive
ophthalmopathy of Graves' disease. I. Short-term
effects. Algvere P, et al.
Acta Ophthalmol (Kbh) 51:461-74, 1973
Letter: Anaesthesia for repair of exomphalos:
electrical interference. Frost PM.
Anaesthesia 29:100, Jan 74

THERAPY

[Emergency diagnosis and therapy from the
ophthalmologic viewpoint] Neubauer H.
Med Welt 24:1563-5, 12 Oct 73 (Ger)

IODIDES

Hormone receptors. 3. Properties of glucagon-binding
proteins isolated from liver plasma membranes.
Giorgio NA, et al. J Biol Chem 249:428-37, 25 Jan 74
Circular dichroism of biological membranes-brain
microsomes. Long MM, et al.
J Supramol Struct 1:259-68, 1973

Hepatitis B antigen: removal from protein solutions in a
recognizable form by an insoluble lipophilic matrix of
silicic acid. Hedlund K. Life Sci 13:1491-7, 1 Dec 73

ADMINISTRATION & DOSAGE

The spectrum of iodine malnutrition and suggested
management. Studies in Iraq and Iran in the Tigris
River Basin. Caughey JE.
Acta Endocrinol [Suppl] (Kbh) 11-2, 1973
The evaluation of imperforate anus utilizing
percutaneous injection of water-soluble iodide
contrast material. Wagner ML, et al.
Pediatr Radiol 1:34-40, Mar 73
[Acute toxic kidney failure caused by an overdose of
Vistarlin] Thielier H, et al.
Z Aerztl Fortbild (Jena) 67:682-4, 1 Jul 73 (Ger)

ADVERSE EFFECTS

The spectrum of iodine malnutrition and suggested
management. Studies in Iraq and Iran in the Tigris
River Basin. Caughey JE.
Acta Endocrinol [Suppl] (Kbh) 11-2, 1973

ANALYSIS

Pathophysiology of Himalayan endemic goitre.
Karmarkar MG, et al.
Acta Endocrinol [Suppl] (Kbh) 38-9, 1973

BLOOD

Pathophysiology of Himalayan endemic goitre.
Karmarkar MG, et al.
Acta Endocrinol [Suppl] (Kbh) 38-9, 1973
Endemic goitre in Finland. Lamberg BA.
Acta Endocrinol [Suppl] (Kbh) 23-5, 1973

CEREBROSPINAL FLUID

The effects of salicylate and probenecid on the
cerebrospinal fluid transport of penicillin,
aminosalicylic acid and iodide. Spector R, et al.
J Pharmacol Exp Ther 188:55-65, Jan 74

DIAGNOSTIC USE

The evaluation of imperforate anus utilizing
percutaneous injection of water-soluble iodide
contrast material. Wagner ML, et al.
Pediatr Radiol 1:34-40, Mar 73

METABOLISM

Influence of vasodilator substances on pulpal blood
flow in the cat. Edwall L, et al.
Acta Odontol Scand 31:289-96, 1973
Surface glycoproteins of mouse L cells. Hunt RC, et al.
Biochemistry 13:22-8, 1 Jan 74
Diagnosing thyroid disease by selected laboratory
tests. Wahner HW. Geriatrics 29:83-6 passim, Jan 74
The effects of salicylate and probenecid on the
cerebrospinal fluid transport of penicillin,
aminosalicylic acid and iodide. Spector R, et al.
J Pharmacol Exp Ther 188:55-65, Jan 74
Sodium-dependent transport of sugars and iodide from
the cerebral ventricles of the rabbit. Bradbury MW, et
al. J Physiol (Lond) 234:127-43, Oct 73

PHARMACODYNAMICS

Effect of different anions on 22Na permeability of
liposomes. Singer MA.
Can J Physiol Pharmacol 51:779-84, Nov 73
Letter: Effects of ascorbate on radiosensitization of
bacterial cells. Joshi DS, et al.
Int J Radiat Biol 24:631-5, Dec 73
Rheumatoid sera and soluble complexes: nitroblue
tetrazolium dye test and hexose monophosphate

- shunt activation. Pachman LM, et al. *Pediatrics* 52:823-30, Dec 73
- [On the so-called denaturing effect of electrolytes and non-electrolytes shown by the volume changes of the elastic tissue depending on concentration and pH (author's transl)] Winkler R. *Z Naturforsch [C]* 28:310-2, May-Jun 73 (Eng. Abstr.) (Ger)
- [Study on the effect of thyroid hormones and iodide on protein synthesis in the cell-free polyribosomal system of the thyroid gland] Atakhanova BA, et al. *Probl Endokrinol (Mosk)* 19:111-3, Nov-Dec 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

- The spectrum of iodine malnutrition and suggested management. Studies in Iraq and Iran in the Tigris River Basin. Caughey JE. *Acta Endocrinol [Suppl]* (Kbh) 11-2, 1973
- The Kangra Valley experiment: prevention of Himalayan endemic goitre with iodinated salt. Sooch SS, et al. *Acta Endocrinol [Suppl]* (Kbh) 110, 1973
- Chemotherapy of systemic mycoses (second of two parts). Bennett JE. *N Engl J Med* 290:320-3, 7 Feb 74 (76 ref.)
- [Acute toxic kidney failure caused by an overdose of Vistarlin] Thiele H, et al. *Z Aerzt Fortbild (Jena)* 67:682-4, 1 Jul 73 (Ger)
- [Iodine prophylaxis of endemic goiter] Gandz AS. *Sov Med* 36:145, Mar 73 (Rus)

TOXICITY

- [Acute toxic kidney failure caused by an overdose of Vistarlin] Thiele H, et al. *Z Aerzt Fortbild (Jena)* 67:682-4, 1 Jul 73 (Ger)

URINE

- Pathophysiology of Himalayan endemic goitre. Karmarkar MG, et al. *Acta Endocrinol [Suppl]* (Kbh) 38-9, 1973

IODINE

- Biochemical defects in thyroid hormone synthesis and their relation to endemic goiter. DeGroot LJ. *Acta Endocrinol [Suppl]* (Kbh) 34-5, 1973
- Significance of endemic goiter in the evolution of the Andean rural communities. Fierro-Benitez R. *Acta Endocrinol [Suppl]* (Kbh) 61-3, 1973
- Prophylaxis of endemic goitre. Hetzel BS. *Acta Endocrinol [Suppl]* (Kbh) 101-2, 1973
- Pathogenesis and aetiology of endemic goitre in Greece. Koutras DA, et al. *Acta Endocrinol [Suppl]* (Kbh) 45-6, 1973
- Iodine deficiency, environmental goitrogens and genetic factors in the etiology of endemic goiter. Podoba J, et al. *Acta Endocrinol [Suppl]* (Kbh) 36-7, 1973
- Thyroid function through pregnancy and in the fetus and newly born from a goiter endemic in Peru. Preteli EA. *Acta Endocrinol [Suppl]* (Kbh) 28, 1973
- Results of longterm iodine prophylaxis of endemic goiter in Yugoslavia. Ramzin SK, et al. *Acta Endocrinol [Suppl]* (Kbh) 105-7, 1973
- Factors which may alter the epidemiology of endemic goiter. Stanbury JB. *Acta Endocrinol [Suppl]* (Kbh) 9-10, 1973
- Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. *Am J Clin Nutr* 27:96-103, Jan 74
- Studies on iodine concentration in psammoma bodies in the thyroids of chronically iodine-deficient rats: effect of iodine repletion. Greer MA, et al. *Am J Pathol* 73:775-88, Dec 73
- Enrichment and fortification of foods in Latin America. Chopra JG. *Am J Public Health* 64:19-26, Jan 74
- Luteolysis, luteostasis, and the effect of prostaglandin F2 alpha in cows after endometrial irritation. Sequin BE, et al. *Am J Vet Res* 35:57-61, Jan 74
- Oxidation and oxidative cleavage of tryptophanyl peptide bonds during iodination. Alexander NM. *Biochem Biophys Res Commun* 54:614-21, 18 Sep 73
- Effect of thyroid hormone analogues on the displacement of 125I-L-triiodothyronine from hepatic and heart nuclei in vivo: possible relationship to hormonal activity. Oppenheimer JH, et al. *Biochem Biophys Res Commun* 55:544-50, 10 Dec 73
- In situ iodination (catalyzed by lactoperoxidase) of the

- exterior peptide components of mammalian cells in a monolayer. Owen E, et al. *Exp Cell Res* 82:461-4, Dec 73
- Moniodoinsulin. Preparation, purification, and characterization of a biologically active derivative substituted predominantly on tyrosine A14. Hamlin JL, et al. *J Biol Chem* 249:21-32, 10 Jan 74
- Phosphorylation of 5-halogenated deoxycytidine analogues by deoxycytidine kinase. Cooper GM, et al. *Mol Pharmacol* 9:704-10, Nov 73
- Recommended dietary allowances (revised-1973). Harper AE. *Nutr Rev* 31:393-6, Dec 73
- Induction of rat mammary tumours in altered iodine metabolism. Kelien JA. *Oncology* 28:269-73, 1973
- [The thyroid gland scintigram as a method for determination of the thyroid gland size in children from endemic goiter districts] Berger H, et al. *Acta Endocrinol [Suppl]* (Kbh) 71-2, 1973 (Ger)
- [T4-test, thyro-binding-index, and free-thyroxine-index in children (author's transl)] Lüders D. *Monatsschr Kinderheilkd* 121:659-65, Nov 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

- Evidence for intestinal malabsorption of iodine in protein-calorie malnutrition. Ingenbleek Y, et al. *Am J Clin Nutr* 26:1323-30, Dec 73
- Luteolysis, luteostasis, and the effect of prostaglandin F2 alpha in cows after endometrial irritation. Sequin BE, et al. *Am J Vet Res* 35:57-61, Jan 74
- [Discussion of the aetiology of human endemic goitre (author's transl)] Taterka W. *Praxis* 62:1444-8, 20 Nov 73 (Eng. Abstr.) (Fre)
- [Acute toxic kidney failure caused by an overdose of Vistarlin] Thiele H, et al. *Z Aerzt Fortbild (Jena)* 67:682-4, 1 Jul 73 (Ger)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)

ADVERSE EFFECTS

- Self-limiting episodes of Jodbasedow. Nilsson G. *Acta Endocrinol (Kbh)* 74:475-82, Nov 73
- Prophylaxis of endemic goitre. Hetzel BS. *Acta Endocrinol [Suppl]* (Kbh) 101-2, 1973
- Goiter complicating therapy with iodinated glycerol (Organidin). Block SH. *J Pediatr* 83:84-6, Jul 73
- Nephrocalcinosis in adolescent Sprague-Dawley rats fed casein and different salt mixtures. Eklund A, et al. *Nutr Metab* 15:348-56, 1973
- [Iodine-induced Basedow's disease--still a current problem. Role of Swiss physicians in its discovery] Mach RS. *Schweiz Med Wochenschr* 103:1481-7, Oct 73 (Eng. Abstr.) (Fre)
- [Abdominal symptoms of subacute myelo-optico-neuropathy (SMON)--with special reference to relationship between chinfoorm and ileus-like symptoms] Inoue N, et al. *Clin Neurol (Tokyo)* 13:537-42, Sep 73 (Eng. Abstr.) (Jap)

ANALYSIS

- Epidemiology of endemic goiter in Piedmont (Italy). Costa A. *Acta Endocrinol [Suppl]* (Kbh) 19-20, 1973
- Endemic goiter in Finland. Lamberg BA. *Acta Endocrinol [Suppl]* (Kbh) 23-5, 1973
- Epidemiology of endemic goiter in Greece. Malamos B, et al. *Acta Endocrinol [Suppl]* (Kbh) 15, 1973
- Iodine deficiency, environmental goitrogens and genetic factors in the etiology of endemic goiter. Podoba J, et al. *Acta Endocrinol [Suppl]* (Kbh) 36-7, 1973
- Endemic goiter in Greece: nutritional status, growth, and skeletal development of goitrous and non goitrous populations. Koutras DA, et al. *Am J Clin Nutr* 26:1360-8, Dec 73
- [Epidemiologic distinctions of 2 neighbouring goiter districts, of which one has had iodine prophylaxis for 10 years] Bauer H, et al. *Acta Endocrinol [Suppl]* (Kbh) 21-2, 1973 (Ger)
- [Partially automatic procedure for the determination of thyroxine-bound iodine in the human serum] Seelig G, et al. *Z Med Labortech* 14:211-7, 1973 (Eng. Abstr.) (Ger)
- [Analytical use of promethazine tetraiodomercurate]

- Dembiński B.
Acta Pol Pharm 30:395-402, 1973 (Eng. Ahstr.) (Pol)
[Determination of iodine level in the hard tissues of human teeth] Lliv SE, et al.
Lab Delo 5:295-8, 1973 (Rus)
[Study of iodine-containing amino acid composition of crude and iodinated (in vitro) thyroglobulin under normal conditions and in thyroid diseases] Turakulov IaKh, et al.
Probl Endokrinol (Mosk) 19:99-103, Nov-Dec 73 (Eng. Ahstr.) (Rus)

BLOOD

- Iodine nutriture and prevalence of endemic goiter in USA. Matovinovic I, et al.
Acta Endocrinol [Suppl] (Kbh) 17-8, 1973
Paroxysmal tachycardia, atrial fibrillation, congestive heart failure, protein-bound iodine and tri-iodothyronine. Casey AE, et al.
Ala J Med Sci 10:278-80, Jul 73
Problems of interpretation of laboratory findings in the old. Caird FI. Br Med J 4:348-51, 10 Nov 73
Iodine metabolism in autonomous hot nodules of the thyroid. Koutras DA, et al.
Clin Endocrinol (Oxf) 2:249-53, Jul 73
Non-parallel return of PBI and ankle-jerk time values to normal during initial high-dose thyrostatic treatment. Váňa S, et al.
Endokrinologie 61:329-33, Jun 73
Long-term toxicity studies of erythrosine. II. Effects on haematology and thyroxine and protein-bound iodine in rats. Hansen WH, et al.
Food Cosmet Toxicol 11:535-45, Aug 73
The Leeds regional quality control scheme for clinical biochemistry: a progress report. Howarth AT, et al.
J Clin Pathol 26:875-80, Nov 73
Effect of heparinoid on free thyroxine concentration in human serum. Sakurada T, et al.
Tohoku J Exp Med 110:209-24, Jul 73
[A kinetic method for the determination of thyroxine iodine (author's transl)] Arcq JC, et al.
Clin Chim Acta 48:287-9, 30 Oct 73 (Eng. Ahstr.) (Fre)
[Results of 131-iodine therapy of endemic goiter in South Bavaria] Frey KW, et al.
Acta Endocrinol [Suppl] (Kbh) 91-2, 1973 (Ger)
[Hyperthyroid reactions during reconvalescence after infectious hepatitis] Gidaly M, et al.
Z Gesamte Inn Med 28:591-3, 1 Oct 73 (Eng. Ahstr.) (Ger)

DIAGNOSTIC USE

- Peripheral nerve regeneration; sudomotor print test with iodine impregnated paper. Hushy J, et al.
Surg Neurol 1:173-4, May 73

METABOLISM

- Induction of goitre by PTU or KClO₄ in male and female rats. Effect of gonadectomy. Jolin T, et al.
Acta Endocrinol (Kbh) 74:88-104, Sep 73
Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
Iodinated thyrolipids: their possible role in homogenesis. Shah DH, et al.
Acta Endocrinol (Kbh) 74:461-74, Nov 73
Goitrogenic action of cyanogenic glucosides present in cassava: a possible etiologic factor of endemic goiter in the Idjwi Island (Kivu). Ermans AM, et al.
Acta Endocrinol [Suppl] (Kbh) 31, 1973
Pathophysiology of Himalayan endemic goitre. Karmarkar MG, et al.
Acta Endocrinol [Suppl] (Kbh) 38-9, 1973
Pathogenesis and aetiology of endemic goitre in Greece. Koutras DA, et al.
Acta Endocrinol [Suppl] (Kbh) 45-6, 1973
Endemic goitre in Finland. Lamberg BA.
Acta Endocrinol [Suppl] (Kbh) 23-5, 1973
Biochemical studies on endemic goiter glands before and one year after an injection of iodized oil. Medeiros-Neto GA, et al.
Acta Endocrinol [Suppl] (Kbh) 97-8, 1973
Evidence for intestinal malabsorption of iodine in protein-calorie malnutrition. Ingenhleeck Y, et al.
Am J Clin Nutr 26:1323-30, Dec 73
Pathophysiology of Himalayan endemic goiter. Karmarkar MG, et al. Am J Clin Nutr 27:98-103, Jan 74
Studies on iodine concentration in psammoma nodules in

- the thyroids of chronically iodine-deficient rats: effect of iodine repletion. Greer MA, et al.
Am J Pathol 73:775-88, Dec 73
Active-site-directed fluorescent probes in the kinetics and spectroscopy of purified horse serum cholinesterase. Chan LM, et al.
Biochemistry 13:86-90, 1 Jan 74
An assessment of plasma TSH radioimmunoassay and of the TSH stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism. Irvine WJ, et al. Clin Endocrinol (Oxf) 2:135-9, Apr 73
Iodine metabolism in autonomous hot nodules of the thyroid. Koutras DA, et al.
Clin Endocrinol (Oxf) 2:249-53, Jul 73
The effect of blood leucocytes from patients with Hashimoto's disease on human thyroid cells in monolayer culture. Laryea E, et al.
Clin Endocrinol (Oxf) 2:23-35, Jan 73
Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormiston BJ, et al. Clin Endocrinol (Oxf) 2:369-76, Oct 73
Thyroxine content in the thyroid gland of domestic animals. VI. Iodine binding in thyroid gland tissue using radioautography. Abdel-Wahab MF, et al.
Endokrinologie 61:195-200, May 73
The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
Sedimentation characteristics of thyroglobulin in some amphibians after 131-I iodination in vivo. Peyrot A, et al. Gen Comp Endocrinol 21:461-7, Dec 73
Suppression of TRH-mediated thyroidal release of 131-I by a synthetic analog. Lyheck H, et al.
Neuroendocrinology 12:366-70, 1973
Thyroxine deiodination associated with NADPH-dependent (enzymatic) and Fe³⁺-ADP-catalyzed (nonenzymatic) reactions in hepatic microsomes. Nakano M, et al.
Proc Soc Exp Biol Med 144:164-7, 1 Oct 73
[Triiodothyronine, physiological, physiopathological and clinical importance (comprehensive review)] Halner V, et al.
Vnitř Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Ahstr.) (Cze)
[Partially regressive, early major hypothyroidism in 2 cases of Pendred's syndrome] Safar A, et al.
Arch Fr Pediatr 30:843-8, 1973 (Eng. Ahstr.) (Fre)
[Discussion of the aetiology of human endemic goitre (author's transl)] Taterka W.
Praxis 62:1444-8, 20 Nov 73 (Eng. Ahstr.) (Fre)
[The elements of diagnosis in hyperthyroid syndromes] Hennen G.
Rev Med Liege 28:592-3, 1 Sep 73 (Fre)
[Goiter recurrence prophylaxis in an endemic goiter region] Rainer O, et al.
Acta Endocrinol [Suppl] (Kbh) 99-100, 1973 (Ger)
[Pathophysiological findings in endemic goiter and normal thyroid glands in an endemic goiter district] Riccahona G, et al.
Acta Endocrinol [Suppl] (Kbh) 47-8, 1973 (Ger)
[Iodine recycling in the thyroid] Onaya T, et al.
Clin Endocrinol (Tokyo) 21:837-9, Aug 73 (Jap)
[Mechanism of action of ouabain in inorganic iodine transport in the thyroid gland] Shimoda S, et al.
Clin Endocrinol (Tokyo) 21:1045-6, Oct 73 (Jap)
[Iodide-perchlorate discharge test: a new method for the diagnosis of disorders of iodine organification of the thyroid] Suzuki H, et al.
Jap J Clin Med 31:2588-94, 10 Aug 73 (Jap)
[Effect of certain amino acids in combination with lipids on thyroid gland function in an iodine deficit in the diet] Rul' IuV.
Gig Sanit 38:27-30, Jul 73 (Eng. Ahstr.) (Rus)

PHARMACODYNAMICS

- The activity of phosphofructokinase and lactate dehydrogenase in cancer of the colon and rectum and the effect of iodine on the normal mucosa. Briand P, et al. Acta Chir Scand 139:666-70, 1973
Relationship of sidedness of mitochondrial inner membrane vesicles to their enzymic properties. Astle L, et al. Biochemistry 13:154-60, 1 Jan 74
Active-site-directed fluorescent probes in the kinetics and spectroscopy of purified horse serum cholinesterase. Chan LM, et al.
Biochemistry 13:86-90, 1 Jan 74
Effect of ligands on a discontinuous temperature dependence of the decarbamylation reaction of

- erythrocyte acetylcholinesterase. Roufogalis BD, et al. *Biochim Biophys Acta* 321:536-45, 10 Oct 73
- Changes in thyroid ribonucleic acid, ribonucleases and alkaline ribonuclease inhibitor. Murthy PV, et al. *Endocrinology* 91:74-81, Jan 74
- Influence of trace elements on the water balance of the blood of amphibians in a system of dehydration at various seasons of the year. Ermakova MV. *Sov J Ecol* 3:239-45, May-Jun 72
- [Effect of iodine on iodoamino acid distribution in the thyroid] Onaya T, et al. *Clin Endocrinol (Tokyo)* 21:955-7, Sep 73 (Jap)
- [Chiniform toxicity test using tissue culture of dorsal root ganglia of chick embryo] Beppu H. *Clin Neurol (Tokyo)* 13:551-60, Sep 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

- Prophylaxis of endemic goitre. Hetzel BS. *Acta Endocrinol [Suppl] (Kbh)* 101-2, 1973
- Endemic goitre in Finland. Lamberg BA. *Acta Endocrinol [Suppl] (Kbh)* 23-5, 1973
- Iodine nutriture and prevalence of endemic goiter in USA. Matovinovic I, et al. *Acta Endocrinol [Suppl] (Kbh)* 17-8, 1973
- The A.T.R. endodontic method. The iodine silver nitrate root canal treatment in one appointment. Redtenhacher K. *Anglo Contin Dent Soc* 6-9, Oct 73
- Editorial: The solitary thyroid nodule. *Br Med J* 4:310-1, 10 Nov 73
- Goiter complicating therapy with iodinated glycerol (Organidin). Block SH. *J Pediatr* 83:84-6, Jul 73
- Antitumour activity of iodine in acidic medium with calcium. Votiti H, et al. *Nature* 246:98-100, 9 Nov 73
- [Iodine-induced Basedow's disease--still a current problem. Role of Swiss physicians in its discovery] Mach RS. *Schweiz Med Wochenschr* 103:1481-7, Oct 73 (Eng. Abstr.) (Fre)
- [Epidemiologic distinctions of 2 neighbouring goiter districts, of which one has had iodine prophylaxis for 10 years] Bauer H, et al. *Acta Endocrinol [Suppl] (Kbh)* 21-2, 1973 (Ger)
- [Testing of new fasciolicides. II. Efficacy comparison between Rafoxanide and Diamphenethide in subacute and chronic fascioliasis of the sheep] Annen JM, et al. *Schweiz Arch Tierheilkd* 115:527-38, Nov 73 (Eng. Abstr.) (Ger)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. *Stud Cercet Endocrinol* 24:465-71, 1973 (Rum)
- [The choice of drugs for treatment of periodontal diseases] Groshkov MI, et al. *Stomatologia (Mosk)* 52:30-3, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Therapeutic aerosols in infectious laryngotracheitis of poultry] Zakomyrdin AA, et al. *Veterinariia* 8:66-9, Aug 73 (Rus)

TOXICITY

- Long-term toxicity studies of erythrosine. I. Effects in rats and dogs. Hansen WH, et al. *Food Cosmet Toxicol* 11:527-34, Aug 73

URINE

- The spectrum of iodine malnutrition and suggested management. Studies in Iraq and Iran in the Tigris River Basin. Caughey JE. *Acta Endocrinol [Suppl] (Kbh)* 11-2, 1973
- Endemic goitre in Finland. Lamberg BA. *Acta Endocrinol [Suppl] (Kbh)* 23-5, 1973
- Serum thyrotropin levels and response to TRH in the endemic goiter region of Israel. Lewitus Z, et al. *Acta Endocrinol [Suppl] (Kbh)* 49-50, 1973
- Iodine nutriture and prevalence of endemic goiter in USA. Matovinovic I, et al. *Acta Endocrinol [Suppl] (Kbh)* 17-8, 1973
- TSH response to synthetic TRH in endemic goitre. Pinchera A, et al. *Acta Endocrinol [Suppl] (Kbh)* 51-2, 1973
- Iodine deficiency, environmental goitrogens and genetic factors in the etiology of endemic goiter. Podoba J, et al. *Acta Endocrinol [Suppl] (Kbh)* 36-7, 1973
- Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. Kohler H, et al. *Clin Endocrinol (Oxf)* 2:327-32, Oct 73

- Iodine metabolism in autonomous hot nodules of the thyroid. Koutras DA, et al. *Clin Endocrinol (Oxf)* 2:249-53, Jul 73
- [Epidemiologic distinctions of 2 neighbouring goiter districts, of which one has had iodine prophylaxis for 10 years] Bauer H, et al. *Acta Endocrinol [Suppl] (Kbh)* 21-2, 1973 (Ger)

IODOPROTEINS

BIOSYNTHESIS

- [Effect of iodine on iodoamino acid distribution in the thyroid] Onaya T, et al. *Clin Endocrinol (Tokyo)* 21:955-7, Sep 73 (Jap)

BLOOD

- Himalayan goitre. Ibbertson HK. *Acta Endocrinol [Suppl] (Kbh)* 13-4, 1973

METABOLISM

- Biochemical studies on endemic goiter glands before and one year after an injection of iodized oil. Medeiros-Neto GA, et al. *Acta Endocrinol [Suppl] (Kbh)* 97-8, 1973

LONG-ACTING THYROID STIMULATOR

ADMINISTRATION & DOSAGE

- Comparative studies on the reduction of the response to the long-acting thyroid stimulator by soluble fractions from human, ovine, bovine and porcine thyroids. Dirmlikis S, et al. *J Endocrinol* 59:579-92, Dec 73

ANALYSIS

- Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. Bonnyns M, et al. *Clin Endocrinol (Oxf)* 2:277-87, Jul 73

BLOOD

- Himalayan goitre. Ibbertson HK. *Acta Endocrinol [Suppl] (Kbh)* 13-4, 1973

DIAGNOSTIC USE

- Hyperthyroidism and adult celiac disease. Wall AJ, et al. *Am J Gastroenterol* 60:387-93, Oct 73

METABOLISM

- Reduced sensitivity of the thyroid to thyrotrophic hormone and LATS following treatment with antimicrosomal antihodies. Földes J, et al. *Acta Endocrinol (Kbh)* 74:675-84, Dec 73

PHARMACODYNAMICS

- Reduced sensitivity of the thyroid to thyrotrophic hormone and LATS following treatment with antimicrosomal antihodies. Földes J, et al. *Acta Endocrinol (Kbh)* 74:675-84, Dec 73
- [Activation of adenyl cyclase in the bovine thyroid plasma membrane with TSH, LATS and prostaglandin E₂] Sato S, et al. *Clin Endocrinol (Tokyo)* 21:725-9, Jul 73 (Jap)

PROTEIN-BOUND IODINE TEST

- Serum thyrotrophin response to thyrotrophin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Gordin A, et al. *Acta Endocrinol (Kbh)* 74:111-21, Sep 73
- Induction of goitre by PTU or KCIO₄ in male and female rats. Effect of gonadectomy. Jolán T, et al. *Acta Endocrinol (Kbh)* 74:88-104, Sep 73
- Self-limiting episodes of Jodbasedow. Nilsson G. *Acta Endocrinol (Kbh)* 74:475-82, Nov 73
- The incidence as a function of age of thyroid dysfunction for two populations living in a goitrogenic environment. Pathogenesis of endemic goiter. Delange F, et al. *Acta Endocrinol [Suppl] (Kbh)* 29-30, 1973

Himalayan goitre. Ibbertson HK.
Acta Endocrinol [Suppl] (Kbh) 13-4, 1973

Pathogenesis and aetiology of endemic goitre in Greece. Koutras DA, et al.
Acta Endocrinol [Suppl] (Kbh) 45-6, 1973

Endemic goitre in Finland. Lamberg BA.
Acta Endocrinol [Suppl] (Kbh) 23-5, 1973

Serum thyrotrophin levels and response to TRH in the endemic goiter region of Israel. Lewitus Z, et al.
Acta Endocrinol [Suppl] (Kbh) 49-50, 1973

The leakage phenomenon in thyroid nodules. Rösler H, et al. Acta Endocrinol [Suppl] (Kbh) 80-1, 1973

"Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L.
Am J Clin Pathol 61:118-21, Jan 74

Acute pancreatitis and diabetic ketoacidosis in accidental hypothermia and hypothermic myxoedema. Maclean D, et al.
Br Med J 4:757-61, 29 Dec 73

Serum thyrotrophin and hypothyroidism during lithium therapy. Lindstedt G, et al.
Clin Chim Acta 48:127-33, 12 Oct 73

Long-acting thyroid stimulator and thyroid function in relatives of patients with Graves' disease. Bonnyns M, et al. Clin Endocrinol (Oxf) 2:277-87, Jul 73

Thyroid function in the neonate. Chan V, et al. Clin Endocrinol (Oxf) 2:333-7, Oct 73

The effect of surgical operation of moderate severity on thyroid function. Kirhy R, et al.
Clin Endocrinol (Oxf) 2:28-99, Apr 73

Iodine metabolism in autonomous hot nodules of the thyroid. Koutras DA, et al.
Clin Endocrinol (Oxf) 2:249-53, Jul 73

Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. Clin Endocrinol (Oxf) 2:369-76, Oct 73

Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. Toft AD, et al. Clin Endocrinol (Oxf) 2:127-34, Apr 73

Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Korz R, et al.
Clin Nephrol 1:307-10, Sep-Oct 73

Hypoglycemia due to apparent autoantibodies to insulin. Characterization of insulin-binding protein. Oneda A, et al. Diabetes 23:41-50, Jan 74

Morphological and functional maturation of the thyroid during early development of anuran larvae. Hanaoka Y, et al. Gen Comp Endocrinol 21:410-23, Dec 73

Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, *Lampetra reissneri*. Suzuki S, et al.
Gen Comp Endocrinol 21:451-60, Dec 73

Hypothyroidism in psychogeriatric patients—ankle jerk reaction time as a screening technique. Cropper CF. Gerontol Clin (Basel) 15:15-24, 1973

Pathophysiology of the thyroid gland: a laboratory approach. Golding P.
J Am Osteopath Assoc 73:273-8, Dec 73

Metabolic studies on 125I-labelled beta-trace protein, with special reference to synthesis within the central nervous system. Olsson JE, et al.
J Neurochem 21:1153-9, Nov 73

An alternative in management of lingual thyroid: excision with implantation. Danis RK.
J Pediatr Surg 5:869-70, Dec 73

Free and total thyroxine in serum. Ranges and sex differences for selected normals, patients with thyroid disease, and pregnant women. Keistrup J. Scand J Clin Lab Invest 32:227-31, Nov 73

A case of triiodothyronine-secreting with hypo-metabolism. Sakurada T, et al.
Tohoku J Exp Med 110:319-27, Aug 73

[The elements of diagnosis in hyperthyroid syndromes] Hennen G.
Rev Med Liege 28:592-3, 1 Sep 73 (Fre)

[Results of 131-iodine therapy of endemic goiter in South Bavaria] Frey KW, et al.
Acta Endocrinol [Suppl] (Kbh) 91-2, 1973 (Ger)

[Effect of diiodophenolsulfonic acid (DIPS) on the iodine metabolism of rats and on the binding of thyroxine to human serum prealbumin] Wahl R, et al. Arzneimittel Forsch 23:1009-14, Aug 73 (Eng. Abstr.) (Ger)

[Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al.
Dtsch Med Wochenschr 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)

[Thyroid gland diagnosis. Comprehensive guide-lines based on a conference on 28 German thyroid-gland-experts] Klein E, et al.
Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)

[Level and structure of intelligence of patients with disorders of thyroid function (author's transl)] Krüskemper G, et al.
Dtsch Med Wochenschr 98:2175-9, 16 Nov 73 (Eng. Abstr.) (Ger)

[Sources of error in the in-vitro diagnosis of thyroid function (author's transl)] Seegelken K, et al.
Dtsch Med Wochenschr 98:2197-200, 16 Nov 73 (Eng. Abstr.) (Ger)

[The immunologically measurable excretion of insulin in the urine of non-diabetic experimental persons following the administration of a saluretic and in reduced renal function] Seyhold G, et al.
Med Welt 24:1343-9, 7 Sep 73 (Ger)

[Blood triiodothyronine level in iodide thyroid gland] Goehel R, et al.
Wien Z Inn Med 54:131-6, 1973 (Eng. Abstr.) (Ger)

[Hyperthyroid reactions during reconvalescence after infectious hepatitis] Gidaly M, et al.
Z Gesamte Inn Med 28:591-3, 1 Oct 73 (Eng. Abstr.) (Ger)

[Advantages of the automatic method over the manual method in the routine determination of serum protein-bound iodine (PBI)] Trimarchi I, et al. Quad Sciavo Diagn 8:1022-9, Dec 72 (Eng. Abstr.) (Ita)

[Anemia and hypothyroidism. Ferrokinetic studies] Marañón A, et al.
Rev Iber Endocrinol 20:389-603, Nov-Dec 73 (Eng. Abstr.) (Spa)

INSTRUMENTATION

[Partially automatic procedure for the determination of thyroxine-bound iodine in the human serum] Seelig G, et al.
Z Med Labortech 14:211-7, 1973 (Eng. Abstr.) (Ger)

THYROXINE-BINDING PROTEIN

Thyroid function through pregnancy and in the fetus and newly born from a goiter endemic in Peru. Pretell EA. Acta Endocrinol [Suppl] (Kbh) 28, 1973

"Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L.
Am J Clin Pathol 61:118-21, Jan 74

Evolving concepts of the genetics of thyroid disease—a review. Bartuska D.
Am J Med Sci 266:249-52, Oct 73 (17 ref.)

Rapid two-dimensional immunoelectrophoresis of human serum proteins. Wright GL Jr, et al.
Clin Chem 20:30-5, 1974

Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. Clin Endocrinol (Oxf) 2:369-76, Oct 73

Triiodothyronine. Physiological and clinical significance. Gharib H. JAMA 227:302-4, 21 Jan 74

[Significance of the Effective Thyroxine Ratio-ETR for the course evaluation of thyroid-specific therapy] Vosberg H, et al. Med Welt 24:1535-6, 5 Oct 73 (Ger)

ANALYSIS

The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73

Some quantitative aspects of in vitro thyroid diagnostic tests. Glover JS. Jap J Nucl Med 10:423-31, Aug 73

Effect of heparinoid on free thyroxine concentration in human serum. Sakurada T, et al.
Tohoku J Exp Med 110:209-24, Jul 73

[Level and structure of intelligence of patients with disorders of thyroid function (author's transl)] Krüskemper G, et al.
Dtsch Med Wochenschr 98:2175-9, 16 Nov 73 (Eng. Abstr.) (Ger)

[Thyroid disorders (author's transl)] Harnack GA von. Monatsschr Kinderheilkd 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

BLOOD

Endocrine changes before and after the menarche. 3. Total thyroxine and "free thyroxine index", and the binding capacity of thyroxine binding proteins in

- female adolescents. Lamberg BA, et al.
 Acta Endocrinol (Kbh) 74:885-94, Dec 73
 Interaction of drugs with thyroid hormone binding
 sites. Oppenheimer JH.
 Ann NY Acad Sci 226:333-40, 26 Nov 73 (26 ref.)
 [Thyroid gland diagnosis. Comprehensive guide-lines
 based on a conference on 26 German
 thyroid-gland-experts] Klein E, et al.
 Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)

METABOLISM

- The effect of surgical operation of moderate severity
 on thyroid function. Kirby R, et al.
 Clin Endocrinol (Oxf) 2:28-99, Apr 73
 Time course of weight increase of anterior pituitary
 and thyroxine binding to adenopituitary proteins
 after a single administration of estrogen. Schreiber V,
 et al. Endocrinol Exp (Bratisl) 7:301-6, 1973
 Interaction of hormones and blood proteins. The
 binding power of some plasma proteins to thyroxine.
 Hocman G. Endokrinologie 61:334-8, Jun 73
 Diagnosing thyroid disease by selected laboratory
 tests. Wahner HW. Geriatrics 29:83-6 passim, Jan 74

ADRENAL

1. Physical and Functional Aspects

ADRENAL GLANDS

- Changes in myocardial thiamine in arteriosclerotic and non-arteriosclerotic rats subjected to isoprenaline induced myocardial infarction. Wexler BC, et al. *Br J Exp Pathol* 54:479-91, Oct 73
- A simplified competitive protein-binding assay for adenosine 3',5'-monophosphate in plasma. Latner AL, et al. *Clin Chim Acta* 48:353-7, 15 Nov 73
- Serum and tissue dopamine-beta-hydroxylase activity in hypophysectomized rats. Freedman LS, et al. *Eur J Pharmacol* 24:366-74, Dec 73
- [Relationship between stress and adrenal glands] Kim HW. *J Korean Res Soc Dent Hygn* 1:44-5, 1972 (Kor)
- [Effect of thermal training and drugs on increasing the resistance of rats to high temperature] Iunusov AIu, et al. *Kosm Biol Med* 7:21-5, Jan-Feb 73 (Eng. Abstr.) (Rus)

ABNORMALITIES

- The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al. *Acta Pathol Microbiol Scand [A]* 81:225-8, May 73
- Letter: Congenital adrenal hypoplasia. Szalay GC. *J Pediatr* 83:169-70, Jul 73

ANALYSIS

- Effect of infantile handling upon plasma catecholamine response to acute noxious stimulation in adulthood. Hucklebridge FH, et al. *Behav Biol* 9:563-79, Nov 73
- Suppressive effect of dexamethasone on morphine-induced adrenocorticalogenesis in rat. Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73
- Separation of catecholamines on the phospho-cellulose column. Endo Y, et al. *Jap J Pharmacol* 23:491-6, Aug 73
- [Case contribution to the differential diagnosis of porphyria] Zawirska B, et al. *Z Gesamte Inn Med* 28:657-60, 1 Nov 73 (Eng. Abstr.) (Ger)
- [Pharmacological studies on N-benzoyl-N'-phenyl-2,6-diaminohenzole acid (F-1). 1. Anti-inflammatory action] Fujimura H, et al. *Folia Pharmacol Jap* 69:765-87, Sep 73 (Eng. Abstr.) (Jap)

ANATOMY & HISTOLOGY

- Induction of goitre by PTU or KClO4 in male and female rats. Effect of gonadectomy. Jolin T, et al. *Acta Endocrinol (Khh)* 74:88-104, Sep 73
- The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al. *Acta Pathol Microbiol Scand [A]* 81:225-8, May 73
- A study of the influence of pregnancy on the thymus gland of the mouse. Millar KG, et al. *Am J Obstet Gynecol* 117:913-8, 1 Dec 73
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches. Sokolowski JH, et al. *Am J Vet Res* 34:1501-3, Dec 73
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al. *Am J Vet Res* 34:1493-9, Dec 73
- Effect of infantile handling upon plasma catecholamine response to acute noxious stimulation in adulthood. Hucklebridge FH, et al. *Behav Biol* 9:563-79, Nov 73

- Effects of limbic forebrain ablation on pituitary gonadal function in the female rat. Terasawa E, et al. *Endocrinol Jap* 20:277-90, Jun 73
- A histo-cytometric study of the adrenal cortex in Cushing's disease. Narhutt B, et al. *Endokrynol Pol* 24:355-61, Sep-Oct 73
- Effects of ovariectomy, dexamethasone and progesterone on the maintenance of pregnancy in swine. First NL, et al. *J Anim Sci* 37:1191-4, Nov 73
- Behavioral effects of environmental enrichment in randomly bred mice. Manosevitz M, et al. *J Comp Physiol Psychol* 85:373-82, Nov 73
- Sex difference in gonadal maintenance in graded hypophysectomized rats. Shih BY, et al. *J Formosan Med Assoc* 72:325-31, Jun 73
- Lesions in the septal nuclei of the rat raise mean systemic arterial pressure and prevent the development of sound-withdrawal hypertension. Marwood JF, et al. *J Pharm Pharmacol* 25:614-20, Aug 73
- Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al. *Physiol Behav* 11:787-90, Dec 73
- Some morphophysiological features of the harvest mouse (*Micromys minutus* Pall) in the forest tundra of the Pri-Oh territory. Bolkov VN, et al. *Sov J Ecol* 3:276-8, May-Jun 72
- The dynamics of changes in body weight and of the principal morphological features of the northern red-backed vole during autumn and winter in the subarctic. Bolikova FI, et al. *Sov J Ecol* 3:126-32, Mar-Apr 72
- Changes in the relative weight of the adrenals and kidneys in populations of the gray rat. Kartel' MV, et al. *Sov J Ecol* 3:133-7, Mar-Apr 72
- The effect of population structure on adrenal weight in the large gerbil. Lobachev VS, et al. *Sov J Ecol* 3:281-2, May-Jun 72
- Use of morphophysiological indices in hibernating rodents. Ol'kova NV. *Sov J Ecol* 3:250-4, May-Jun 72
- Clinical sonography in urology. Eichhorn GL, et al. *Urology* 1:506-22, Jun 73 (12 ref.)
- [Morphogenesis of the fetal adrenal cortex in pig's fetuses in relation to the development of adenohipophysis] Atagimov MZ. *Arkh Anat Gistol Embrjol* 65:34-9, Sep 73 (Eng. Abstr.) (Rus)
- [Age characteristics of the intraorgan lymphatic bed of the human adrenal glands] Blinova LI. *Arkh Anat Gistol Embrjol* 64:41-5, Jun 73 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

- Renal venous and peripheral plasma renin activity in renal hypertension in the rat. Leenen FH, et al. *Am J Physiol* 225:1513-8, Dec 73
- Diagnosis of adrenal cysts utilizing the principle of total body opacification. Kurtl DJ, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:576-9, Nov 73
- Angiographic findings in the adrenals during stress. Lunderquist A, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:560-3, Nov 73
- Adrenal venography: clinical-roentgeno-graphic correlation in 80 patients. Mitty HA, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:564-75, Nov 73
- Organ blood flow during pulsatile cardiopulmonary

- hypass. Boucher JK, et al.
J Appl Physiol 36:86-90, Jan 74
 Bilateral adrenal abscesses in a neonate. Carty A, et al.
Pediatr Radiol 1:63-4, Mar 73
 Ultrastructure of the protein containing vacuoles and hyaline droplets in rat adrenocortical cells following polyhrene. Marek J, et al.
Virchows Arch [Zellpathol] 14:273-83, 7 Dec 73
 [The adrenal arterial circulation, route of reno-splanchnic circulatory bypass] Fays J, et al.
Ann Radiol (Paris) 16:597-600, Sep-Oct 73 (Fre)
 [Angiographic radio-anatomy of the adrenals] Lamarque JL, et al.
Ann Radiol (Paris) 16:549-63, Sep-Oct 73 (Fre)

CYTOLOGY

- Myoid cells in the capsule of the adrenal gland and in monolayers derived from cultured adrenal capsules. Bressler RS. *Anat Rec* 177:525-31, Dec 73
 Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in mitochondrial steroid hydroxylations. Baron J. *Biochem Biophys Res Commun* 54:764-9, 18 Sep 73
 Effects of ACTH on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:431-40, Dec 73
 Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:441-50, Dec 73
 Human adrenal tumors and hyperplasias in vitro: a bridge between morphology and function. Tazaki H, et al. *Invest Urol* 11:288-94, Jan 74
 The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. *J Biol Chem* 249:227-33, 10 Jan 74
 Oxidation of 21-dehydrocorticosteroids to steroidal 20-Oxo-21-ols acids by an aldehyde dehydrogenase of sheep adrenal. Monder C, et al.
J Biol Chem 248:8547-54, 25 Dec 73
 An attempt to demonstrate cell migration from the zona glomerulosa in the prepubertal male rat adrenal cortex. Wright NA, et al. *J Endocrinol* 59:451-9, Dec 73
 Uptake of tritium-labeled adenosine triphosphate by the cytoplasm of fixed interstitial cells from rat testes. Darzynkiewicz Z, et al.
J Histochem Cytochem 21:1035-40, Dec 73
 Adrenocortical cell deletion: the role of ACTH. Wyllie AH, et al. *J Pathol* 111:85-94, Oct 73
 DMBA, hypertension and impaired adrenal mitochondrial differentiation. Anderson KM, et al. *Oncology* 28:365-77, 1973
 Intracellular distribution and substrate specificity of the 16 alpha-hydroxylase in the adrenal of human fetus. Yamasaki H, et al. *Steroids* 22:637-58, Nov 73
 [Comparison of two measuring methods for nucleus variation statistics illustrated on the example of the adrenal gland cell in a long-term study on albino rats] Scharf JH, et al.
Gegenbaurs Morphol Jahrb 119:562-622, 1973 (Ger)
 [Morphogenesis of the fetal adrenal cortex in pig's fetuses in relation to the development of adenohipophysis] Atagimov MZ.
Arkiv Anat Gistol Embriol 65:34-9, Sep 73 (Eng. Abstr.) (Rus)
 [Reparative regeneration of the adrenocortical structures in autotransplantation of the adrenal glands] Poluektov AI.
Eksp Khir Anesteziol 18:28-31, Jul-Aug 73 (Eng. Abstr.) (Rus)
- parahiosed golden hamsters. Seibel HR, et al.
Acta Endocrinol (Kbh) 74:434-48, Nov 73
 Hepatic and adrenocortical function during cyclophosphamide stoss therapy. Ylöstalo, et al.
Acta Obstet Gynecol Scand 52:299-302, 1973
 Effect of potassium loading in vivo on steroid production in vitro by the quartered adrenal and the adrenal capsule of the rat. Sölyom J, et al.
Acta Physiol Acad Sci Hung 43:19-26, 1973
 Correlation between hypothalamic serotonin content and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermes I, et al.
Acta Physiol Acad Sci Hung 43:33-42, 1973
 Effect of chronic treatment with ACTH on 11 beta-hydroxylation in rat adrenal mitochondria. De Nicola AF. *Acta Physiol Lat Am* 23:178-82, 1973
 A correlation study between adrenal function and the duration of sustained ACTH treatments in the rat. Lantos CP, et al.
Acta Physiol Lat Am 23:277-87, Apr 73
 Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. *Am J Physiol* 225:1306-10, Dec 73
 Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al.
Am J Vet Res 34:1493-9, Dec 73
 Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches. Sokolowski JH, et al. *Am J Vet Res* 34:1501-3, Dec 73
 Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al. *Anesth Analg (Cleve)* 52:1003-10, Nov-Dec 73
 Dynamic response of the intact canine adrenal to infused ACTH. Lake RB, et al.
Ann Biomed Eng 1:56-68, Sep 72
 Effect of social stress and steroids on antibody production. Gross WB, et al.
Avian Dis 17:807-15, Oct-Dec 73
 Adrenocorticotrophic hormone and diethyladenosine cyclic monophosphate-mediated Ca^{2+} uptake by rat adrenal glands. Leier DJ, et al.
Biochim Biophys Acta 329:196-210, 5 Dec 73
 Sensitization of the adrenal cortex to angiotensin II in sodium-deplete man. Oelkers W, et al.
Circ Res 40:69-77, Jan 74
 Effect of aminoglutethimide on adrenal cholesterol in patients with Cushing's syndrome. Feit V. *Endocrinol Exp (Bratisl)* 7:293-6, 1973
 Rat muscle and organ weights after castration: the effects of anabolic steroids and exercise. Taylor AW, et al. *Endokrinologie* 61:372-8, Jun 73
 Long-term toxicity of sodium cyclamate in mice. Brantom PG, et al.
Food Cosmet Toxicol 11:735-46, Oct 73
 Effects of ACTH on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:431-40, Dec 73
 Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:441-50, Dec 73
 Adrenocortical responsiveness after long-term corticosteroid therapy in childhood nephrosis. Kobayashi A, et al. *Heiv Paediatr Acta* 28:341-8, Oct 73
 The mechanism of trauma-induced inhibition of insulin release. Vigañ M, et al. *Horm Metab Res* 5:322-4, Sep 73
 Effects of neuroleptanesthesia on endocrine function in man. Oyama T.
Int Anesthesiol Clin 11:171-84, Fall 73 (19 ref.)
 Effects of ovariectomy, dexamethasone and progesterone on the maintenance of pregnancy in swine. First NL, et al. *J Anim Sci* 37:1191-4, Nov 73
 The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. *J Biol Chem* 249:227-33, 10 Jan 74
 Regulation of steroidogenesis by adrenocorticotrophic hormone in isolated adrenal cells of rats. Sharma RK. *J Biol Chem* 248:5473-8, 10 Aug 73
 Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksi SN. *J Endocrinol* 59:655-6, Dec 73
 Circadian periodicity of pituitary-adrenal function

DRUG EFFECTS

- Beclomethasone dipropionate aerosol effect on the adrenals in normal persons. Mygind N, et al.
Acta Allergol (Kbh) 28:211-8, Sep 73
 Effects of steroid suppression and gonadectomy on adrenal 5alpha-reductase activity and corticosterone production in rats. Colby HD, et al.
Acta Endocrinol (Kbh) 74:568-75, Nov 73
 Female endocrine control mechanisms during the neonatal period. 3. The effect of clomiphene citrate. Schulz KD, et al.
Acta Endocrinol (Kbh) 74:144-56, Sep 73
 Relationship between the pineal gland, other endocrine glands and reproductive organs of single and

ADRENAL

ADRENAL GLANDS

- after p-chlorophenylalanine administration in the rat. Delft AM van, et al. *J Endocrinol* 59:465-74, Dec 73
- Proceedings: A comparison of the effects of alpha 1-24 adrenocorticotrophin Zn (Tetracosactrin depot) and of substituted alpha 1-18 adrenocorticotrophin on adrenocortical function in normal subjects. Irvine WJ, et al. *J Endocrinol* 59:xxix-xxx, Nov 73
- Masculinizing effects of a testicular interstitial cell tumour graft on female rats. Pourreau-Schneider N. *J Endocrinol* 59:353-61, Nov 73
- Influence of 6-azido and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta 6-8-substituted progestational series. Teutsch G, et al. *J Med Chem* 16:1370-8, Dec 73
- Studies on the histamine sensitisation produced in mice by *Corynebacterium parvum*. Adlam C. *J Med Microbiol* 6:527-38, Nov 73
- Ionic dependence of adrenal steroidogenesis and ACTH-induced changes in the membrane potential of adrenocortical cells. Matthews EK, et al. *J Physiol (Lond)* 234:43-64, Oct 73
- Effect of histamine, bradykinin and morphine on adrenaline release from rat adrenal gland. Yoshizaki T. *Jap J Pharmacol* 23:695-9, Oct 73
- Central corticotropin inhibition by arginine vasotocin in the mouse. Pavel S, et al. *Neuroendocrinology* 12:371-5, 1973
- Failure of metoprolol to protect rats from adrenal hypertension induced by 7,12-dimethylbenz (alpha) anthracene. Kellen JA. *Oncology* 28:299-305, 1973
- Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al. *Pharmacology* 10:111-22, 1973
- Detection of heat-labile *Escherichia coli* enterotoxin with the use of adrenal cells in tissue culture. Donta ST, et al. *Science* 183:334-6, 25 Jan 74
- Radioimmunoassay for methylprednisolone (Medrol). Colburn WA, et al. *Steroids* 22:687-98, Nov 73
- Effect of glucose infusion on adrenaline and noradrenaline secretion from the adrenal gland in conscious dogs. Hirose T, et al.
- Tohoku *J Exp Med* 110:307-8, Jul 73
- Adrenaline and noradrenaline secretion of the adrenal gland in conscious dogs in response to pilocarpine and nicotine. Narita S, et al.
- Tohoku *J Exp Med* 110:303-5, Jul 73
- Ultrastructure of the protein containing vacuoles and hyaline droplets in rat adrenocortical cells following polyhrene. Marek J, et al.
- Virchows Arch [Zellpathol]* 14:273-83, 7 Dec 73
- [Studies on animal and organ specificity of chlorphentermine induced morphological alterations (author's transl)] Parwaresch R, et al.
- Res Exp Med (Berl)* 161:272-88, 23 Nov 73 (Eng. Abstr.) (Ger)
- [Effect of protein malnutrition and of kennel-keeping conditions on the function of the adrenal cortex in broilers] Weiss J. *Z Tierphysiol* 32:42-51, Sep 73 (Ger)
- [Objective evaluation of a new minor tranquilizer D-40 TA as pre-anesthetic medication--with adrenal cortex function as an indicator] Kimura K, et al.
- Jap J Anesthesiol* 22:802-8, Aug 73 (Eng. Abstr.) (Jap)
- [Neuroendocrinological study of chronically methamphetamine-treated guinea pigs and rats (author's transl)] Onodera I, et al.
- Psychiatr Neurol Jap* 75:409-23, Jul 73 (Jap)
- [Effect of insulin and chlorpropamide on the morphology of adrenal glands in rats with alloxan diabetes] Rogozinski R, et al.
- Endokrynol Pol* 24:363-70, Sep-Oct 73 (Eng. Abstr.) (Pol)
- [Toxicity and pharmacological properties of antineoplastic antithiolic 1719 from the class of diazo compounds] Gol'dherg LE, et al.
- Antithiotiki* 18:332-8, Apr 73 (Eng. Abstr.) (Rus)
- [Histological study of the organs of animals treated with the new antithiolic 1719 from the class of diazo compounds] Murav'skaya VS.
- Antithiotiki* 18:339-42, Apr 73 (Rus)
- [Mechanism of the radiation-sensitizing action of beta-mercaptoethanol] Bogatyrev GP, et al.
- Biol Nauki* 115:54-6, 1973 (Rus)
- [Changes in the body of animals during prolonged inhalation exposure to trichloroethylene in low concentrations] Zadorozhnyi BV.
- Gig Tr Prof Zabol* 17:55-7, May 73 (Rus)
- [Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskaya TA, et al.

- Prohl Endokrinol (Mosk)* 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Effect of suhecholine on the medullary substance of the adrenals in chick embryos] Dusaeva ON, et al. *Zh Evol Biokhim Fiziol* 9:524-7, Sep-Oct 73 (Eng. Abstr.) (Rus)
- [Busulfan-induced adrenal insufficiency] Rodríguez Cuartero A, et al.
- Rev Clin Esp* 131:73-8, 15 Oct 73 (Spa)

EMBRYOLOGY

- Prenatal growth of the adrenal gland in sheep. Thurley DC. *NZ Vet J* 20:177-9, Oct 72
- [Morphogenesis of the fetal adrenal cortex in pig's fetuses in relation to the development of adenohipophysis] Atagimov MZ.
- Arkhn Anat Gistol Embriol* 65:34-9, Sep 73 (Eng. Abstr.) (Rus)
- [Age characteristics of the intraorgan lymphatic bed of the human adrenal glands] Bilnova LI.
- Arkhn Anat Gistol Embriol* 64:41-5, Jun 73 (Eng. Abstr.) (Rus)
- [Current state of the adrenal cortex function studies in children] Iurkov IuA, et al.
- Pediatrilia* 52:72-9, Apr 73 (135 ref.) (Rus)
- [Characteristics of the course of pregnancy and the intra-uterine development of the fetus] Kozhova NV. *Vopr Okhr Materin Det* 18:14-6, Jan 73 (Rus)
- [Effect of suhecholine on the medullary substance of the adrenals in chick embryos] Dusaeva ON, et al. *Zh Evol Biokhim Fiziol* 9:524-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

ENZYMOLOGY

- Effects of steroid suppression and gonadectomy on adrenal 5alpha-reductase activity and corticosterone production in rats. Colby HD, et al.
- Acta Endocrinol (Khh)* 74:568-75, Nov 73
- Effect of potassium loading in vivo on steroid production in vitro by the quartered adrenal and the adrenal capsule of the rat. Sólyom J, et al.
- Acta Physiol Acad Sci Hung* 43:19-26, 1973
- Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in mitochondrial steroid hydroxylations. Baron J.
- Biochem Biophys Res Commun* 54:764-9, 18 Sep 73
- Effects of chronic treatment with histamine on catecholamine content and synthesis in rat brain, heart and adrenals. Mazurkiewicz-Kwilecki IM, et al.
- Biochem Pharmacol* 22:3225-35, 15 Dec 73
- Proceedings: Influence of endocrine glands on central and peripheral monoamine oxidase activity.
- Holzauer M, et al.
- Br J Pharmacol* 44:355P-356P, Feb 72
- Phosphorylase isoenzymes in tissues: prevalence of the liver type in man. Proux D, et al.
- Clin Chim Acta* 48:167-72, 12 Oct 73
- Serum and tissue dopamine-beta-hydroxylase activity in hypophysectomized rats. Freedman LS, et al.
- Eur J Pharmacol* 24:364-74, Dec 73
- The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. *Experientia* 29:1259-62, 15 Oct 73
- Oxidation of 21-dehydrocorticosteroids to steroidal 20-Oxo-21-ols acids by an aldehyde dehydrogenase of sheep adrenal. Monder C, et al.
- J Biol Chem* 248:8547-54, 25 Dec 73
- Dopamine-beta-hydroxylase. Stereochemical course of the reaction. Taylor KB.
- J Biol Chem* 249:454-8, 25 Jan 74
- Aromatic amino acid hydroxylase inhibitors. 3. In vitro inhibition by azadopamine analogs. Hare LE, et al.
- J Med Chem* 17:1-5, Jan 74
- Studies on cyclic nucleotides in the adrenal gland. II. Properties of cyclic AMP dependent protein kinases in the adrenal gland. Shima S, et al.
- Jap J Pharmacol* 23:515-22, Aug 73
- The binding order of substrates to phenylethanolamine N-methyltransferase. Pendleton RG, et al.
- Mol Pharmacol* 9:718-25, Nov 73
- Induction of adrenal catecholamine synthesizing enzymes following mother-infant separation. Breeze GR, et al. *Nature [New Biol]* 246:94-6, 21 Nov 73
- Intracellular distribution and substrate specificity of the 16 alpha-hydroxylase in the adrenal of human fetus. Yamasaki H, et al. *Steroids* 22:637-58, Nov 73
- Ultrastructure of the protein containing vacuoles and

ADRENAL GLANDS

ADRENAL

- hyaline droplets in rat adrenocortical cells following polybrene. Marek J, et al.
Virchows Arch [Zellpathol] 14:273-83, 7 Dec 73
 [Activity of the adrenal cortex and of the hypothalamic-pituitary system in the rat after prolonged hypercapnia (author's transl)] Reichart E, et al.
Beltr Pathol 149:323-35, Sep 73 (Eng. Abstr.) (Fre)
 [Investigation of N-acetyl-beta-glucosaminidase by means of 1-naphthyl-N-acetyl-beta-glucosaminide (author's transl)] Gossrau R.
Histochemie 37:169-85, 26 Oct 73 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

- [The normal and disturbed prepuheral development of the human testis] Städtler F.
Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abstr.) (Ger)
 [Age characteristics of the intraorgan lymphatic bed of the human adrenal glands] Blinova LI.
Arkhn Anat Gistol Embriol 64:41-5, Jun 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

- Cellular hypersensitivity to mitochondrial antigens in diabetes mellitus. Richens ER, et al.
Clin Exp Immunol 13:1-7, Jan 73

INNERVATION

- Effect of histamine, bradykinin and morphine on adrenaline release from rat adrenal gland. Yoshizaki T. **Jap J Pharmacol** 23:895-9, Oct 73
 A method for pharmacological studies on adrenaline release from the rat adrenal. Yoshizaki T.
Jap J Pharmacol 23:889-94, Oct 73

METABOLISM

- Effects of steroid suppression and gonadectomy on adrenal 5alpha-reductase activity and corticosterone production in rats. Colby HD, et al.
Acta Endocrinol (Kbh) 74:568-75, Nov 73
 The influence of overcrowding on spermatogenesis, size of Leydig-cell nuclei (histometrical investigation), and the adrenal corticosterone contents in mice. Gärtner K, et al.
Acta Endocrinol (Kbh) 74:783-91, Dec 73
 Female endocrine control mechanisms during the neonatal period. 3. The effect of clomiphene citrate. Schulz KD, et al.
Acta Endocrinol (Kbh) 74:144-56, Sep 73
 Biological activity of corticotrophin peptides with homo-arginine, lysine or ornithine substituted for arginine in position 8. Tesser GI, et al.
Acta Endocrinol (Kbh) 74:56-66, Sep 73
 Adrenal glucocorticoid function in acute viral infections in children. Zeltoun MM, et al.
Acta Paediatr Scand 62:608-14, Nov 73
 Renin in different tissues, amniotic fluid and plasma of pregnant and non-pregnant rabbits. Eskildsen PC.
Acta Pathol Microbiol Scand [A] 81:263-8, May 73
 Effect of chronic treatment with ACTH on 11 beta-hydroxylation in rat adrenal mitochondria. De Nicola AF. **Acta Physiol Lat Am** 23:178-82, 1973
 Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. **Am J Physiol** 226:96-104, Jan 74
 Impaired renin responsiveness with secondary hypoadosteronism. Gossain VV, et al.
Arch Intern Med 132:885-90, Dec 73
 Effects of chronic treatment with histamine on catecholamine content and synthesis in rat brain, heart and adrenals. Mazurkiewicz-Kwilecki IM, et al.
Biochem Pharmacol 22:3225-35, 15 Dec 73
 Adrenocorticotrophic hormone and dihydroxy adenosine cyclic monophosphate-mediated Ca²⁺ uptake by rat adrenal glands. Leier DJ, et al.
Biochim Biophys Acta 329:196-210, 5 Dec 73
 Long-lasting peripheral and central effects of 6-hydroxydopamine in rats. Clark DW, et al.
Br J Pharmacol 44:233-43, Feb 72
 Distribution of delta 9-tetrahydrocannabinol in the mouse. Freudenthal RI, et al.
Br J Pharmacol 44:244-9, Feb 72
 The adrenal cortex and water conservation in desert rodents. Haggag G, et al.
Comp Biochem Physiol [A] 47:351-9, Jan 74
 Effect of aminoglutethimide on adrenal cholesterol in

- patients with Cushing's syndrome. Felt V.
Endocrinol Exp (Bratisl) 7:293-6, 1973
 Effect of ACTH on the phosphorylation of proteins in subcellular fractions of rat adrenal glands. Murakami N, et al. **Endocrinol Jap** 20:421-3, Aug 73
 Cholesterol sulfate: some aspects of its biosynthesis and uptake by tissues from blood. Hochberg RB, et al. **Endocrinology** 91:207-13, Jan 74
 The uptake of corticosterone-4-14C by rat tissues during the postnatal ontogenesis. Macho L, et al. **Endokrinologie** 61:365-71, Jun 73
 Effect of pinealectomy on the tritiated serotonin uptake of the adrenal medulla. Baráth P, et al. **Horm Metab Res** 5:466-70, Nov 73
 The mechanism of trauma-induced inhibition of insulin release. Vigaš M, et al. **Horm Metab Res** 5:322-4, Sep 73
 Acute distribution of 14C-amino acids in mice as determined by whole-body autoradiography: adjunct for radiopharmaceutical synthesis. Masuoka DT, et al. **Int J Appl Radiat Isot** 24:705-7, Dec 73
 Angiotensin II receptors in bovine adrenal cortex. Modification of angiotensin II binding by guanyl nucleotides. Glossmann H, et al.
J Biol Chem 249:664-6, 25 Jan 74
 A general method of tritium labeling utilizing microwave discharge activation of tritium gas. Methodology and application to biological compounds. Hemhree WC, et al. **J Biol Chem** 248:5532-40, 10 Aug 73
 The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. **J Biol Chem** 249:227-33, 10 Jan 74
 Regulation of steroidogenesis by adrenocorticotrophic hormone in isolated adrenal cells of rats. Sharma RK. **J Biol Chem** 248:5473-6, 10 Aug 73
 Proceedings: Regulation of human adrenal androstenedione synthesis in vitro. Deshpande N, et al. **J Endocrinol** 59:xxxv, Nov 73
 Proceedings: Effect of protein hormones on the biosynthesis of dehydroepiandrosterone sulphate by human foetal adrenal tissue in vitro. Isherwood DM, et al. **J Endocrinol** 59:xxxiv-xxxv, Nov 73
 Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. **J Endocrinol** 59:il-ix, Nov 73
 Proceedings: The biosynthesis and compartmental arrangement of steroids formed from (3H)-pregnenolone and (14C)acetate by interrenal tissue from a teleost fish, *Coregonus clupeoides*. Whitehouse BJ, et al. **J Endocrinol** 59:38-9, Nov 73
 Uptake of tritium-labeled adenosine triphosphate by the cytoplasm of fixed interstitial cells from rat testes. Darzynkiewicz Z, et al.
J Histochem Cytochem 21:1035-40, Dec 73
 Adrenocorticotropin. 45. Synthesis and steroidogenic activity of (1-alanine)adrenocorticotropin-(1-20)-amide, (1-D-alanine)adrenocorticotropin-(1-20)-amide, and (1-14C-alanine)adrenocorticotropin-(1-20)-amide. Blake J, et al. **J Med Chem** 17:233-5, Feb 74
 Autoradiographic distribution of 14C-hemicholinium-3 in mouse whole body and dog brain. Domino EF, et al. **J Pharmacol Exp Ther** 188:77-85, Jan 74
 Effects of progesterone or cyproterone acetate on androgen uptake in the brain, pituitary and peripheral tissues. Sar M, et al.
Proc Soc Exp Biol Med 144:26-9, 1 Oct 73
 Effects of food deprivation, discrimination experience and physostigmine on choline acetylase and acetylcholine esterase in the dorsal hippocampus and frontal cortex of rats. Izquierdo JA, et al. **Psychopharmacologia** 33:103-10, 23 Oct 73
 The effects of chronic treatment with delta 9-tetrahydrocannabinol on catecholamine synthesis in the rat. Mazurkiewicz-Kwilecki IM, et al. **Psychopharmacologia** 33:71-9, 23 Oct 73
 Plumbism: adaptive changes in hepatic and renal metabolism. Singhal RL, et al.
Res Commun Chem Pathol Pharmacol 6:951-62, Nov 73
 Detection of heat-labile *Escherichia coli* enterotoxin with the use of adrenal cells in tissue culture. Donta ST, et al. **Science** 183:334-6, 25 Jan 74
 Radioimmunoassay for methylprednisolone (Medrol). Colburn WA, et al. **Steroids** 22:687-98, Nov 73
 The conversion of 23,24-dinor-5-cholen-3beta-ol to cortisol by the canine adrenal. Talt AD. **Steroids** 22:609-13, Nov 73
 [Effect of treatment by clonidine on the synthesis of catecholamines in the heart, submaxillary and adrenal glands in the rat] Bralet J, et al.

- Biochem Pharmacol 22:3173-80, 15 Dec 73 (Eng. Abstr.) (Fre)
- [Biological effect of rapeseed oil] Krámer M. Nahrung 17:843-51, 1973 (Eng. Abstr.) (Ger)
- [In vivo metabolism of 131-I-19-cholesterol used as adrenal gland scanning agent] Fukuchi S, et al. Folia Endocrinol Jap 49:1245-53, Oct 73 (Eng. Abstr.) (Jap)
- [Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B. Pol Tyg Lek 28:1327-8, 30 Aug 73 (17 ref.) (Pol)
- [Mechanisms of the radioprotective action of dimethyl sulfoxide] Goncharenko EN, et al. Biol Nauki 120:45-7, 1973 (Rus)
- [Compensatory hypertrophy of the adrenal glands during functional disorders of the pancreas caused by alloxan] Ivanova II, et al. Biol Nauki 120:37-40, 1973 (Rus)
- [Surgical treatment of complications of diabetes mellitus] Kalinin AP, et al. Klin Med (Mosk) 51:20-6, May 73 (75 ref.) (Rus)
- [Current state of the adrenal cortex function studies in children] Iurkov IuA, et al. Peditria 52:72-9, Apr 73 (135 ref.) (Rus)
- [Function of hypophysis and adrenal cortex in thyrotoxicosis before and during treatment with radiolodine] Babadzhanova Slu, et al. Probl Endokrinol (Mosk) 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskala TA, et al. Probl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Age peculiarities of the hypothalamic regulation of the hypophyseal-adrenal system in rats] Drbevska IA, et al. Probl Endokrinol (Mosk) 19:59-62, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Functional activity of the adrenal cortex autotransplant in Itsenko-Cushing's disease following bilateral total adrenalectomy] Goncharova VN, et al. Probl Endokrinol (Mosk) 19:35-9, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Glucocorticoid function of the adrenal glands in patients with cerebral nanism] Polovotskaia GM, et al. Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Effect of subcholine on the medullary substance of the adrenals in chick embryos] Dusaeva ON, et al. Zh Evol Biokhim Fiziol 9:524-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

PATHOLOGY

- Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. Harbitz TB. Acta Pathol Microbiol Scand [A] 81:301-14, May 73
- The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al. Acta Pathol Microbiol Scand [A] 81:225-8, May 73
- Protein-energy deficiency in nonhuman primates: biochemical and morphological alterations. Enwonwu CO, et al. Am J Clin Nutr 26:1287-302, Dec 73
- Pathology of Bolivian hemorrhagic fever in the rhesus monkey. Terrell TG, et al. Am J Pathol 73:477-94, Nov 73
- Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. Cancer 32:1227-35, Nov 73
- Metastasis in a transplantable mammotrophic pituitary tumor. Nickerson PA, et al. Cancer Res 33:3135-8, Dec 73
- Comparison of endocrine function in normal and genetically atbemic mice. Shire JG, et al. Comp Biochem Physiol [A] 47:93-100, Jan 74
- A histo-cytometric study of the adrenal cortex in Cushing's disease. Narbutt B, et al. Endokrynol Pol 24:355-61, Sep-Oct 73
- Essential fatty acid studies in primates linolenic acid requirements of capuchins. Fiennes RN, et al. J Med Primatol 2:155-69, 1973
- Disseminated herpesvirus infection in a rhesus monkey (Macaca mulatta). McClure HM, et al. J Med Primatol 2:190-4, 1973
- DMBA, hypertension and impaired adrenal mitochondrial differentiation. Anderson KM, et al. Oncology 28:365-77, 1973
- Induction of glomerular microclot formation by fibrin

- monomer infusion. Müller-Berghaus G, et al. Thromb Diath Haemorrh 29:375-83, 10 May 73
- Renal and perirenal hemangioepithelioma. Rifal GM. Urology 1:148-50, Feb 73
- Ultrastructure of the protein containing vacuoles and hyaline droplets in rat adrenocortical cells following polybrene. Marek J, et al. Virchows Arch [Zellpathol] 14:273-83, 7 Dec 73
- [Activity of the adrenal cortex and of the hypothalamic-pituitary system in the rat after prolonged hypercapnia (author's transl)] Reichart E, et al. Beitr Pathol 149:323-35, Sep 73 (Eng. Abstr.) (Fre)
- [Examination of changes of liver, heart, kidneys, suprarenals, and spleen after laser irradiation (author's transl)] Bozduganov A, et al. Radiobiol Radiother (Berl) 14:441-50, 1973 (Eng. Abstr.) (Ger)
- [Studies on animal and organ specificity of chlorpentermine induced morphological alterations (author's transl)] Parwaresch R, et al. Res Exp Med (Berl) 161:272-88, 23 Nov 73 (Eng. Abstr.) (Ger)
- [The ultrastructure of the atrophic adrenal cortex in dissociated secondary adrenocortical insufficiency (author's transl)] Mitschke H, et al. Virchows Arch [Pathol Anat] 361:217-28, 27 Nov 73 (Eng. Abstr.) (Ger)
- [Case contribution to the differential diagnosis of porphyria] Zawirska B, et al. Z Gesamte Inn Med 28:657-60, 1 Nov 73 (Eng. Abstr.) (Ger)
- [4 Cases of nodular hyperplasia of the adrenal cortex causing Cushing's syndrome] Gottwald G, et al. Orv Hetil 115:11-4, 6 Jan 74 (Hun)
- [Meningeal carcinomatosis in malignant pheochromocytoma] Andrioli GC, et al. Acta Neurol (Napoli) 28:415-24, Jul-Aug 73 (Ita)
- [Effect of insulin and chlorpropamide on the morphology of adrenal glands in rats with alloxan diabetes] Rogozinski R, et al. Endokrynol Pol 24:363-70, Sep-Oct 73 (Eng. Abstr.) (Pol)
- [Adrenal gland changes induced in rats with administration of the total residue of drinking water from a focus of endemic nephropathy] Bordás E, et al. Stud Cercet Med Interna 14:473-80, 1973 (Eng. Abstr.) (Rum)

PHYSIOLOGY

- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabiosed golden hamsters. Seibel HR, et al. Acta Endocrinol (Kbh) 74:434-48, Nov 73
- Rapid marked increase in plasma renin in rats treated with inhibitors of the renin system. Effects of 1-sar-8-ala-angiotensin II and of a synthetic converting enzyme inhibitor (nonapeptide, SQ 20.881) on normal and adrenalectomized rats. Bing J. Acta Pathol Microbiol Scand [A] 81:376-8, May 73
- The effect of hypothalamic serotonin on compensatory adrenal function. Vermees I, et al. Acta Physiol Acad Sci Hung 43:27-32, 1973
- Microcirculatory responses to central neural stimulation in the rat. Gootman PM, et al. Am J Physiol 225:1375-83, Dec 73
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reler CE, et al. Anesth Analg (Cleve) 52:1003-10, Nov-Dec 73
- The action of hordenine on the superior cervical ganglion of the cat. Krstić MK. Arch Int Pharmacodyn Ther 205:267-80, Oct 73
- Some effects of hypophysectomy and of adrenalectomy on the adaptation of rats to the drinking of saline. Marwood JF, et al. Aust J Exp Biol Med Sci 51:537-47, Aug 73
- Extinction of a passive avoidance response in adrenalectomized and demedullated rats. Silva MT. Behav Biol 9:553-62, Nov 73
- A specific glucocorticoid binding macromolecule of rabbit uterine cytosol. Giannopoulos G. Biochem Biophys Res Commun 54:600-6, 18 Sep 73
- Macromolecular binding of (5,6-3H) prostaglandin E1 in liver cytosol in vitro. Litwack G, et al. Biochem Biophys Res Commun 55:977-84, 10 Dec 73
- Presence of histaminase and ornithine decarboxylase activities in rat thymus. Beaven MA, et al. Biochem Pharmacol 22:257-65, 15 Jan 73
- Adaptive response of hepatic carbohydrate metabolism

- to oral administration of p,p'-1,1,1-trichloro-2,2-his (p-chlorophenyl)ethane in rats. Kacew S, et al. *Biochem Pharmacol* 22:47-57, 1 Jan 73
- Effects of phenoxybenzamine on early stages of liver regeneration in partially hepatectomized rats. Thrower S, et al. *Biochem Pharmacol* 22:95-100, 1 Jan 73
- The effect of glucose ingestion on basal and induced enzyme levels in rat tissues. Greengard O, et al. *Biochim Biophys Acta* 329:241-50, 5 Dec 73
- Proceedings: Inability of antidepressants and morphine to reverse reserpine-induced hypothermia in adrenalectomized mice. Cowan A, et al. *Br J Pharmacol* 44:353P-354P, Feb 72
- Proceedings: Influence of endocrine glands on central and peripheral monoamine oxidase activity. Holzbauer M, et al. *Br J Pharmacol* 44:355P-356P, Feb 72
- Local effect of intranasal heclomethasone dipropionate aerosol in hay fever. Mygind N. *Br Med J* 4:464-6, 24 Nov 73
- Reflex hemodynamic responses initiated from the thoracic aorta. Lloy F, et al. *Circ Res* 40:78-84, Jan 74
- Sensitization of the adrenal cortex to angiotensin II in sodium-deplete man. Oelkers W, et al. *Circ Res* 40:69-77, Jan 74
- The adrenal cortex and water conservation in desert rodents. Haggag G, et al. *Comp Biochem Physiol [A]* 47:351-9, Jan 74
- The Banting Memorial Lecture 1973: Islet differentiation, organ culture, and transplantation. Lazarow A, et al. *Diabetes* 22:877-912, Dec 73 (102 ref.)
- Estrogen-progesterone interactions in uterus and brain of intact and adrenalectomized immature and adult rats. Whalen RE, et al. *Endocrinology* 91:214-23, Jan 74
- Protein kinase and cyclic AMP-binding activities in liver and adipose tissue of normal, streptozotocin-diahetetic and adrenalectomized rats. Zapf J, et al. *FEBS Lett* 36:253-6, 1 Nov 73
- Plasma ACTH in the adrenalectomized rat. Mims RB. *Horm Metab Res* 5:368-71, Sep 73
- Influence of the adrenal glands on the salivary acid content of submaxillary and retrolingual glands in the rat. Curhelo HM, et al. *J Dent Res* 52:1265-7, Nov-Dec 73
- Influence of the adrenal gland on prostatic activity in adult rats. Mobbs BG, et al. *J Endocrinol* 59:335-44, Nov 73
- Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
- Effects of cryogenine on adjuvant-induced arthritis and serum turbidity in rats. Kosersky DS, et al. *J Pharm Sci* 62:1965-71, Dec 73
- Studies on the functional role of intraneuronal monamine oxidase. Clarke DE, et al. *J Pharmacol Exp Ther* 187:539-49, Dec 73
- Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. Aiyer MS, et al. *J Physiol (Lond)* 234:81P-82P, Oct 73
- Proceedings: Stimulation of rat hypothalamus in vitro. Bradbury MW, et al. *J Physiol (Lond)* 234:74P-75P, Oct 73
- Plasma corticosteroids in infants with the respiratory distress syndrome. Baden M, et al. *Pediatrics* 52:782-7, Dec 73
- Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al. *Pharmacology* 10:111-22, 1973
- Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al. *Physiol Behav* 11:787-90, Dec 73
- Some physiological responses of turkeys selected for high and low adrenal response to cold stress. Brown KI, et al. *Poult Sci* 52:1948-54, Sep 73
- The effect of bedrest on adrenal function. Leach CS, et al. *Space Life Sci* 4:415-23, Sep-Dec 73
- Criticism about the use of muscles provided with a testosterone-binding protein to evaluate the mitotrophic activity of androgens. Bergamini E. *Steroids Lipids Res* 4:119-21, Mar 73
- Influence of adrenalectomy and heta-methasone on the composition of liver cell membrane. Elert O, et al. *Steroids Lipids Res* 4:65-75, Mar 73
- Adrenal function in female rats before puberty: the effects of gonadectomy. Ramaley JA. *Steroids* 22:597-608, Nov 73
- [The anti-inflammatory action of adrenaline] Timsit J, et al. *Arch Int Pharmacodyn Ther* 205:153-72, Sep 73 (Eng. Abstr.) (Fre)
- [The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H. *Dtsch Med Wochenschr* 98:2088-94, 2 Nov 73 (12 ref.) (Ger)
- [Anesthesia and brain serotonin increase by pentobarbital following adrenalectomy and continuous administration of growth hormone in rats] Kohayashi M, et al. *Folia Pharmacol Jap* 69:829-33, Sep 73 (Eng. Abstr.) (Jap)
- [Reactive changes in thymus and lymph node lymphoid tissue in adrenalectomized rats following cesium-137 incorporation] Khussar IuP, et al. *Biol Nauki* 112:64-9, 1973 (Rus)
- [Sex differences in glucocorticoid functions in rats] Volchek AG. *Biol Nauki* 120:33-6, 1973 (Rus)
- [Cardiac catecholamines in stress situations] Solov'ev GM, et al. *Kardiologia* 13:140-52, Jan 73 (87 ref.) (Rus)
- [Current state of the adrenal cortex function studies in children] Iurkov IuA, et al. *Pediatrics* 52:72-9, Apr 73 (135 ref.) (Rus)
- [Age peculiarities of the hypothalamic regulation of the hypophyseal-adrenal system in rats] Drhevskala IA, et al. *Probl Endokrinol (Mosk)* 19:59-62, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Functions of the sympathico-adrenal system in fetuses and newborn infants in the first day of life] Bykova GF. *Vopr Okhr Materin Det* 18:28-31, Jan 73 (Eng. Abstr.) (Rus)
- [Changes in the carbohydrate and fat metabolic indices, the state of the sympatho-adrenal system and oxidative process under the effect of cold of different intensities] Likh LO. *Fiziol Zh* 19:503-10, Jul-Aug 73 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

- Clinical-psychological, electroencephalographic, and adrenocortical relationships in elderly psychiatric patients. Müller HF, et al. *J Gerontol* 29:28-38, Jan 74
- Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr. *Proc Natl Cancer Conf* 7:513-21, 1973
- [Activity of the adrenal cortex and of the hypothalamic-pituitary system in the rat after prolonged hypercapnia (author's transl)] Reichart E, et al. *Beitr Pathol* 149:323-35, Sep 73 (Eng. Abstr.) (Fre)
- [Effect of protein malnutrition and of kennel-keeping conditions on the function of the adrenal cortex in hrollers] Weiss J. *Z Tierphysiol* 32:42-51, Sep 73 (Ger)
- [Circadian aspects of the ACTH-secretory system in essential arterial hypertension] Ferrari E, et al. *Folia Endocrinol (Roma)* 26:412-21, Oct 73 (Ita)
- [Functional state of the hypothalamo-hypophyseal-adrenal system in chronic inflammation of the female sex organs] Kuprlianova EM, et al. *Akush Ginekol (Mosk)* 49:6-8, Mar 73 (Eng. Abstr.) (Rus)
- [State of certain endocrine organs in cancer of the cervix uteri] Slepov MI. *Akush Ginekol (Mosk)* 49:43-6, Mar 73 (Eng. Abstr.) (Rus)
- [Compensatory hypertrophy of the adrenal glands during functional disorders of the pancreas caused by alloxan] Ivanova II, et al. *Biol Nauki* 120:37-40, 1973 (Rus)
- [Changes in glucocorticoid function of the adrenals in thrombo-obliterative diseases of lower limb arteries] Zaitsev GP, et al. *Klin Khir* 6:61-7, Jun 73 (Rus)
- [Functional state of the adrenal cortex in patients with viral hepatitis] Khocheva AI, et al. *Klin Med (Mosk)* 51:91-5, May 73 (Rus)
- [Excretion of catecholamines in patients with thyrotoxicosis] Levitan AM. *Lab Delo* 5:291-2, 1973 (Rus)
- [Functional state of the adrenal cortex and immunological reaction of the body to smallpox vaccination in children with allergic diathesis] Drinevskii VP. *Pediatrics* 52:44-7, Apr 73 (Eng. Abstr.) (Rus)
- [Current state of the adrenal cortex function studies in children] Iurkov IuA, et al. *Pediatrics* 52:72-9, Apr 73 (135 ref.) (Rus)
- [Function of hypophysis and adrenal cortex in

ADRENAL

ADRENALECTOMY

- thyrotoxicosis before and during treatment with radiolodine] Bahadzhanova SIU, et al.
Probl Endokrinol (Mosk) 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Hormonal activity of adrenal glands in patients with primary lesion of the hypothalamic region] Dohrin Blu, et al. *Sov Med* 36:8-11, Sep 73 (Eng. Abstr.) (Rus)
- [Characteristics of the clinical picture, course and reactivity of the organism of children with eczema, neurodermatitis and psoriasis] Fedorovskala RF, et al. *Sov Med* 36:123-6, Mar 73 (Eng. Abstr.) (Rus)
- [Functional state of the hypothalamo-hypophyseal-adrenal system in minor chorea] Gittik LS. *Sov Med* 36:105-10, Apr 73 (Rus)
- [Functional status of certain regulatory-compensatory systems of the body in eczema] Madievskala NN, et al. *Vestn Dermatol Venerol* 47:5-11, Jun 73 (Eng. Abstr.) (Rus)
- [Mechanism of the therapeutic action of inductothermy, and potassium electrophoresis in viral hepatitis in children] Gromova VN, et al. *Vopr Kurortol Fizioter Lech Fiz Kult* 38:430-4, 1973 (Rus)
- [Effect of short-wave ultraviolet rays on adrenal cortical function and the state of the sympathetic adrenal system in the overall treatment of chronic bronchitis patients] Mitrofanova GF.
Vopr Kurortol Fizioter Lech Fiz Kult 38:463-8, 1973 (Rus)
- [Functional state of the adrenal cortex in diabetes mellitus under health resort treatment at Yessentuki] Nanazhashvili IS, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 38:409-14, 1973 (Rus)
- [Effect of baths of differing chemical composition on the state of the sympathetic adrenal system in primary arterial hypotension] Vetrova LP.
Vopr Kurortol Fizioter Lech Fiz Kult 38:458-62, 1973 (Rus)
- [Determination of the tone of sympathetico-adrenal system in cerebral vascular diseases by the method of codeine electrophoresis] Uglitskikh VI.
Vrach Delo 8:85-6, Aug 73 (Rus)
- [Condition of the sympathetico-adrenal system in patients with chronic tonsillitis] Mostovoi SI, et al. *Zh Ushn Nos Gori Bolezni* 33:4-6, Jul-Aug 73 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

- [Effect of short-wave ultraviolet rays on adrenal cortical function and the state of the sympathetic adrenal system in the overall treatment of chronic bronchitis patients] Mitrofanova GF.
Vopr Kurortol Fizioter Lech Fiz Kult 38:463-8, 1973 (Rus)

RADIOGRAPHY

- Angiographic findings in the adrenals during stress. Lunderquist A, et al.
Am J Roentgenol Radium Ther Nucl Med 119:560-3, Nov 73
- Adrenal venography: clinical-roentgeno-graphic correlation in 80 patients. Mitty HA, et al.
Am J Roentgenol Radium Ther Nucl Med 119:564-75, Nov 73
- A guide for tomograms with a multi-planigraphy machine. Sekaran C. *Radiography* 39:271-83, Oct 73
- [Value for the clinician of vascular exploration of the adrenal capsules] Bricaire H, et al.
Ann Radiol (Paris) 16:545-8, Sep-Oct 73 (Eng. Abstr.) (Fre)
- [Adrenal phlebography] Joffre F.
Ann Radiol (Paris) 16:581-96, Sep-Oct 73 (Eng. Abstr.) (Fre)
- [Angiographic radio-anatomy of the adrenals] Lamarque JL, et al.
Ann Radiol (Paris) 16:549-63, Sep-Oct 73 (Fre)

SECRETION

- Effect of potassium loading in vivo on steroid production in vitro by the quartered adrenal and the adrenal capsule of the rat. Solyom J, et al.
Acta Physiol Acad Sci Hung 43:19-26, 1973
- The effect of hypothalamic serotonin on compensatory adrenal function. Vermes I, et al.
Acta Physiol Acad Sci Hung 43:27-32, 1973
- Correlation between hypothalamic serotonin content

- and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermes I, et al.
Acta Physiol Acad Sci Hung 43:33-42, 1973
- Adrenal steroid secretion in the rahhit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. *Am J Physiol* 225:1306-10, Dec 73
- Metabolic effects of ACTH in the sheep. Scoggins BA, et al. *Am J Physiol* 226:198-205, Jan 74
- Plasma testosterone and androstenedione after orchectomy in prostatic adenocarcinoma. Sclarra F, et al. *Clin Endocrinol (Oxf)* 2:101-9, Apr 73
- Two ACTH species in rat pituitary gland. Lang RE, et al. *FEBS Lett* 37:197-9, 1 Dec 73
- Effects of exercise on adrenocortical function. Davies CT, et al. *J Appl Physiol* 35:887-91, Dec 73
- Proceedings: The release of adrenaline and noradrenaline by the adrenal glands of cats and dogs in reflexes arising from the carotid chemoreceptors and baroreceptors. Critchley JA, et al.
J Physiol (Lond) 234:111P-112P, Oct 73
- Ionic dependence of adrenal steroidogenesis and ACTH-induced changes in the membrane potential of adrenocortical cells. Matthews EK, et al.
J Physiol (Lond) 234:43-64, Oct 73
- A method for pharmacological studies on adrenaline release from the rat adrenal. Yoshizaki T.
Jap J Pharmacol 23:689-94, Oct 73
- Effect of histamine, bradykinin and morphine on adrenaline release from rat adrenal gland. Yoshizaki T. *Jap J Pharmacol* 23:695-9, Oct 73
- A comparison of the pituitary adrenal activity elicited by electrical stimulation of preoptic, amygdaloid and hypothalamic sites in the rat brain. Redgate ES, et al. *Neuroendocrinology* 12:334-43, 1973
- Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr.
Proc Natl Cancer Conf 7:513-21, 1973
- Effect of glucose infusion on adrenaline and noradrenaline secretion from the adrenal gland in conscious dogs. Hirose T, et al.
Tohoku J Exp Med 110:307-8, Jul 73
- Adrenaline and noradrenaline secretion of the adrenal gland in conscious dogs in response to pilocarpine and nicotine. Narita S, et al.
Tohoku J Exp Med 110:303-5, Jul 73
- [On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al.
J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)

TRANSPLANTATION

- Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. *Am J Physiol* 226:96-104, Jan 74
- [Reactive changes in thymus and lymph node lymphoid tissue in adrenalectomized rats following cesium-137 incorporation] Khussar IuP, et al.
Biol Nauki 112:64-9, 1973 (Rus)
- [Reparative regeneration of the adrenocortical structures in autotransplantation of the adrenal glands] Poluektov AI.
Eksp Khir Anesteziol 18:28-31, Jul-Aug 73 (Eng. Abstr.) (Rus)
- [Functional activity of the adrenal cortex autotransplant in Itsenko-Cushing's disease following bilateral total adrenalectomy] Goncharova VN, et al. *Probl Endokrinol (Mosk)* 19:35-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

ADRENALECTOMY

- Rapid marked increase in plasma renin in rats treated with inhibitors of the renin system. Effects of 1-sar-8-ala-angiotensin II and of a synthetic converting enzyme inhibitor (nonapeptide, SQ 20.881) on normal and adrenalectomized rats. Bing J.
Acta Pathol Microbiol Scand [A] 81:376-8, May 73
- Effect of adrenalectomy and cortisone treatment of 5-hydroxytryptophane decarboxylase and monoamine-oxidase activity of rat tissue. Csaha B, et al. *Acta Physiol Acad Sci Hung* 42:327-31, 1972
- The effect of hypothalamic serotonin on compensatory adrenal function. Vermes I, et al.
Acta Physiol Acad Sci Hung 43:27-32, 1973
- Correlation between hypothalamic serotonin content and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermes I, et al.
Acta Physiol Acad Sci Hung 43:33-42, 1973

ADRENALECTOMY

ADRENAL

- Microcirculatory responses to central neural stimulation in the rat. Gootman PM, et al. *Am J Physiol* 225:1375-83, Dec 73
- Endocrine and immunologic studies in breast cancer. Hoge AF, et al. *Am J Surg* 126:722-8, Dec 73
- Pheochromocytoma causing excessive parathyroid hormone production and hypercalcemia. Kukreja SC, et al. *Ann Intern Med* 79:838-40, Dec 73
- The action of hordenine on the superior cervical ganglion of the cat. Krstić MK. *Arch Int Pharmacodyn Ther* 205:267-80, Oct 73
- Some effects of hypophysectomy and of adrenalectomy on the adaptation of rats to the drinking of saline. Marwood JF, et al. *Aust J Exp Biol Med Sci* 51:537-47, Aug 73
- Extinction of a passive avoidance response in adrenalectomized and demedullated rats. Silva MT. *Behav Biol* 9:553-62, Nov 73
- A specific glucocorticoid binding macromolecule of rabbit uterine cytosol. Giannopoulos G. *Biochem Biophys Res Commun* 54:600-6, 18 Sep 73
- Macromolecular binding of (5,6-3H) prostaglandin E₁ in liver cytosol in vitro. Litwack G, et al. *Biochem Biophys Res Commun* 55:977-84, 10 Dec 73
- Presence of histaminase and ornithine decarboxylase activities in rat thymus. Beaven MA, et al. *Biochem Pharmacol* 22:257-65, 15 Jan 73
- Adaptive response of hepatic carbohydrate metabolism to oral administration of p,p'-1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane in rats. Kacew S, et al. *Biochem Pharmacol* 22:47-57, 1 Jan 73
- Effects of phenoxybenzamine on early stages of liver regeneration in partially hepatectomized rats. Thrower S, et al. *Biochem Pharmacol* 22:95-100, 1 Jan 73
- The effect of glucose ingestion on basal and induced enzyme levels in rat tissues. Greengard O, et al. *Biochim Biophys Acta* 329:241-50, 5 Dec 73
- Proceedings: Inability of antidepressants and morphine to reverse reserpine-induced hypothermia in adrenalectomized mice. Cowan A, et al. *Br J Pharmacol* 44:353P-354P, Feb 72
- Proceedings: Influence of endocrine glands on central and peripheral monoamine oxidase activity. Holzhauer M, et al. *Br J Pharmacol* 44:355P-356P, Feb 72
- Hydrocortisone metabolism in the adrenalectomized dog: the quantitative significance of each organ system in the total metabolic clearance of hydrocortisone. McCormick JR, et al. *Endocrinology* 91:17-26, Jan 74
- Estrogen-progesterone interactions in uterus and brain of intact and adrenalectomized immature and adult rats. Whalen RE, et al. *Endocrinology* 91:214-23, Jan 74
- A histo-cytometric study of the adrenal cortex in Cushing's disease. Narbutt B, et al. *Endokrynol Pol* 24:355-61, Sep-Oct 73
- The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. *Experientia* 29:1259-62, 15 Oct 73
- Protein kinase and cyclic AMP-binding activities in liver and adipose tissue of normal, streptozotocin-diabetic and adrenalectomized rats. Zapf J, et al. *FEBS Lett* 36:253-6, 1 Nov 73
- Plasma ACTH in the adrenalectomized rat. Mims RB. *Horm Metab Res* 5:368-71, Sep 73
- The mechanism of trauma-induced inhibition of insulin release. Vigas M, et al. *Horm Metab Res* 5:322-4, Sep 73
- Influence of the adrenal glands on the salivary acid content of submaxillary and retrolingual glands in the rat. Curhelo HM, et al. *J Dent Res* 52:1265-7, Nov-Dec 73
- Radioimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. Croughs RJ, et al. *J Endocrinol* 59:439-49, Dec 73
- Influence of the adrenal gland on prostatic activity in adult rats. Mohs BG, et al. *J Endocrinol* 59:335-44, Nov 73
- The secretion of melanocyte-stimulating hormone after adrenalectomy and dexamethasone treatment in the rat. Thody AJ, et al. *J Endocrinol* 59:657-8, Dec 73
- Hypercalcemia in pheochromocytoma. Hajjar ET, et al. *J Med Liban* 26:269-72, 1973
- Effects of cryogenine on adjuvant-induced arthritis and serum turbidity in rats. Kosersky DS, et al. *J Pharm Sci* 62:1965-71, Dec 73
- Studies on the functional role of intraneuronal monoamine oxidase. Clarke DE, et al. *J Pharmacol Exp Ther* 187:539-49, Dec 73
- Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. Alyer MS, et al. *J Physiol (Lond)* 234:81P-82P, Oct 73
- Proceedings: Stimulation of rat hypothalamus in vitro. Bradbury MW, et al. *J Physiol (Lond)* 234:74P-75P, Oct 73
- Basic results of a study of bilateral adrenalectomy for advanced breast cancer. Urinary steroids and related data in 148 patients. Sarfaty G, et al. *Med J Aust* 2:877-81, 10 Nov 73
- Advances in treatment of breast carcinoma. Jamieson CW. *Nurs Times* 69:1369-71, 18 Oct 73
- Misdiagnosis of endometrial adenocarcinoma in a 27-year old woman with adrenocortical tumor. Grattarola R. *Oncology* 28:246-52, 1973
- Breast carcinomatosis and treatment. A practical approach to the treatment of disseminated carcinoma of the breast. Plotkin D, et al. *Oncology* 28:509-16, 1973
- Survival time and treatment results of patients with disseminated breast cancer especially after adrenalectomy and hypophysectomy. Ratzkowski E, et al. *Oncology* 28:385-97, 1973
- Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al. *Pharmacology* 10:111-22, 1973
- Proceedings: Management of advanced breast cancer. Fracchia AA, et al. *Proc Natl Cancer Conf* 7:303-7, 1973
- The effect of irradiation upon gastric secretion of adrenalectomized rats. Groza P, et al. *Rev Roum Physiol* 10:435-40, 1973
- Criticism about the use of muscles provided with a testosterone-binding protein to evaluate the mitotrophic activity of androgens. Bergamini E. *Steroids Lipids Res* 4:119-21, Mar 73
- Influence of adrenalectomy and heta-methasone on the composition of liver cell membrane. Elert O, et al. *Steroids Lipids Res* 4:65-75, Mar 73
- Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)
- Renal and perirenal hemangiopericytoma. Rifal GM. *Urology* 1:148-50, Feb 73
- [Surgical treatment of thromboangitis obliterans with lumbar sympathectomy and partial adrenalectomy] Yü YH, et al. *Chin Med J* 11:680-1, Nov 73 (Eng. Abstr.) (Chi)
- [Surgical treatment of Cushing's syndrome] Blichert-Toft M, et al. *Ugeskr Laeger* 135:1009-11, 21 May 73 (Eng. Abstr.) (Dan)
- [The anti-inflammatory action of adrenaline] Timsit J, et al. *Arch Int Pharmacodyn Ther* 205:153-72, Sep 73 (Eng. Abstr.) (Fre)
- [On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al. *J Physiol (Paris)* 66:199-209, 1973 (Eng. Abstr.) (Fre)
- [Hormone therapy in cancers of the thyroid and the mammary gland] Closson J. *Rev Med Liege* 28:671-9, Oct 73 (Fre)
- [Hormonal treatment of cancer of the prostate] Maquigny C. *Rev Med Liege* 28:667-71, Oct 73 (Fre)
- [Ultrastructure of pituitary adenomas in Cushing's syndrome after adrenalectomy (author's transl)] Saeger W. *Virchows Arch [Pathol Anat]* 361:39-50, 10 Oct 73 (Eng. Abstr.) (Ger)
- [4 Cases of nodular hyperplasia of the adrenal cortex causing Cushing's syndrome] Gottwald G, et al. *Orv Hetil* 115:11-4, 6 Jan 74 (Hun)
- [Anesthesia and brain serotonin increase by pentobarbital following adrenalectomy and continuous administration of growth hormone in rats] Kobayashi M, et al. *Folia Pharmacol Jap* 69:829-33, Sep 73 (Eng. Abstr.) (Jap)
- [Treatment of prostatic cancer] Sander S. *Tidsskr Nor Lægeforen* 93:1943-5, 20 Sep 73 (Nor)
- [Compensatory hypertrophy of the adrenal glands during functional disorders of the pancreas caused by alloxan] Ivanova II, et al. *Biol Nauki* 120:37-40, 1973 (Rus)
- [Surgical treatment of complications of diabetes mellitus] Kalinin AP, et al. *Klin Med (Mosk)* 51:20-6, May 73 (75 ref.) (Rus)
- [Functional activity of the adrenal cortex autotransplant in Itsenko-Cushing's disease following bilateral total adrenalectomy] Goncharova VN, et al.

Probl Endokrinol (Mosk) 19:35-9, Nov-Dec 73 (Eng. Abstr.)
(Rus)

PITUITARY-ADRENAL FUNCTION

TESTS

- Incomplete testicular feminization syndrome with puberal virilization. Himathongkam T, et al. Am J Obstet Gynecol 118:288-90, 15 Jan 74
- Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al. Aust NZ J Med 3:371-5, Aug 73
- Substitution of beclomethasone aerosol for oral prednisolone in the treatment of chronic asthma. Cameron SJ, et al. Br Med J 4:205-7, 27 Oct 73
- An assessment of the metyrapone test. Shahmanesh M, et al. Clin Endocrinol (Oxf) 2:201-6, Jul 73
- Proceedings: L-DOPA as a test of anterior pituitary function. Millar JG, et al. J Endocrinol 59:xxv-xxvi, Nov 73
- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. J Pediatr 83:69-76, Jul 73
- Letter: Hypothalamo-pituitary dysfunction in siblings of patients with holoprosencephaly. Romshe CA, et al. J Pediatr 83:1088-90, Dec 73
- Letter: Anterior pituitary function in a neonate with craniofacial dysraphia. Yagnik R, et al. J Pediatr 83:1090-2, Dec 73
- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al. J Urol 110:710-3, Dec 73
- Diabetes insipidus associated with an empty sella turcica. Matlson R, et al. Postgrad Med J 49:274-6, Apr 73
- [Chrono-regulation and function of the hypothalamo-hypophyseal-adrenal system in anorexia nervosa] Ferrar E, et al. Folia Endocrinol (Roma) 26:422-34, Oct 73 (Ita)
- [Objective evaluation of a new minor tranquilizer D-40 TA as pre-anesthetic medication--with adrenal cortex function as an indicator] Kimura K, et al. Jap J Anesthesiol 22:802-8, Aug 73 (Eng. Abstr.) (Jap)
- [State of certain endocrine organs in cancer of the cervix uteri] Slepov MI. Akush Ginekol (Mosk) 49:43-6, Mar 73 (Eng. Abstr.) (Rus)
- [Corticosteroids in the overall therapy of shock] Liberzon DM, et al. Khirurgiya (Mosk) 49:116-22, Jun 73 (Eng. Abstr.) (Rus)
- [Current state of the adrenal cortex function studies in children] Iurkov IuA, et al. Pediatria 52:72-9, Apr 73 (135 ref.) (Rus)
- [Pathogenesis of severe forms of alopecia areata] Vinokurov IN. Sov Med 35:127-31, Oct 72 (Eng. Abstr.) (Rus)
- [Effect of baths of differing chemical composition on the state of the sympathetic adrenal system in primary arterial hypotension] Vetrova LP. Vopr Kurortol Fizioter Lech Fiz Kult 38:458-62, 1973 (Rus)
- [Clinical aspects and diagnosis of congenital dysfunction of the adrenal cortex (salt-losing form) in young children] Akhmina NI, et al. Vopr Okhr Materin Det 18:82-6, Jan 73 (Rus)

ADRENAL

II. Disorders of the Adrenal Glands

ADDISON'S DISEASE

COMPLICATIONS

- [Calcium-phosphate metabolism disorders in Addison's disease] Gaslińska T, et al.
Endokrynol Pol 24:265-72, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Case of Addison's disease in the course of pulmonary tuberculosis as a cause of intolerance to antitubercular agents] Owsinski J.
Gruzica 41:1097-8, Oct 73 (Pol)
- [Coexistence of Addison's disease and diabetes mellitus. Report of 2 cases] Kowalski S, et al.
Pol Tyg Lek 28:1900-1, 26 Nov 73 (Eng. Abstr.) (Pol)

DIAGNOSIS

- [Case contribution to the differential diagnosis of porphyria] Zawirska B, et al.
Z Gesamte Inn Med 28:657-60, 1 Nov 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

- [A familial study of Whitaker's syndrome] Breynaert R, et al. Acta Paediatr Belg 27:184-217, 1973 (Fre)

METABOLISM

- [Calcium-phosphate metabolism disorders in Addison's disease] Gaslińska T, et al.
Endokrynol Pol 24:265-72, Jul-Aug 73 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

- Suppression of plasma ACTH levels with corticosteroids in Addison's disease. Holdaway IM.
Clin Endocrinol (Oxf) 2:37-42, Jan 73
- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W.
Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
- [Considerations on the relationships between neuroaminic acid levels and morphology of spermatozoa in humans] Dinulescu E, et al.
Stud Cercet Endocrinol 24:509-15, 1973 (Rum)

ADRENAL CORTICAL REST TUMOR

COMPLICATIONS

- [Case of feminizing tumor of the adrenal gland] Liashko Kl, et al. Sov Med 36:145-6, Sep 73 (Rus)

ADRENAL GLAND DISEASES

- [EMG syndrome, Berardinelli-Selp syndrome, and Sotos' syndrome-comparison of special aspects (author's transl)] Wiedemann HR.
Z Kinderheilkd 115:193-207, 1 Oct 73 (Eng. Abstr.) (Ger)
- [Panel discussion: anesthesia for patients with endocrine diseases. 2] Fujita T, et al.
Jap J Anesthesiol 22:1017-30, Sep 73 (Jap)

BLOOD

- Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Viinikka L, et al.
Clin Chim Acta 48:359-65, 15 Nov 73
- [Plasma insulin levels in endocrine diseases. 3. Plasma insulin levels in patients with adrenal gland diseases and during steroid treatment] Ikeda M.
Folia Endocrinol Jap 49:1286-96, Oct 73 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

- The formation of "K-region" epoxides as hepatic microsomal metabolites of 7-methylbenz(a)anthracene and 7,12-dimethylbenz(a)anthracene and their 7-hydroxymethyl derivatives. Keysell GR, et al.
Biochem Pharmacol 22:2853-67, 15 Nov 73
- [Complications of corticosteroid therapy in rheumatological practice] Sinlachenko VV.
Ter Arkh 45:38-41, Jan 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

- Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Eorton R.
Metabolism 22:1525-45, Dec 73 (176 ref.)
- [Adipose dysendocrinia. Clinical case treated by psychotherapeutic methods based on cybernetic features of G. Cipollina Mangiameli] Cipollina Mangiameli G.
Minerva Med 64:3761-4, 13 Oct 73 (Eng. Abstr.) (Ita)
- [Paroxysmal arterial hypertension caused by pseudopheochromocytoma] Rodríguez Cuartero A, et al.
Rev Clin Esp 131:131-6, 31 Oct 73 (Eng. Abstr.) (Spa)

CONGENITAL

- Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Viinikka L, et al.
Clin Chim Acta 48:359-65, 15 Nov 73

DIAGNOSIS

- Surgical grand rounds: Adrenal cyst.
Ill Med J 141:212-4, Feb 73
- Bilateral adrenal abscesses in a neonate. Carty A, et al.
Pediatr Radiol 1:63-4, Mar 73
- [Determination of free urinary cortisol. Its value in Cushing's syndrome] Gicquel JP, et al.
Nouv Presse Med 2:2683-4, 10 Nov 73 (Fre)
- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W.
Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
- [Adrenal gland cyst] Schwesinger G, et al.
Z Gesamte Inn Med 28:564-6, 15 Sep 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

- Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Viinikka L, et al.
Clin Chim Acta 48:359-65, 15 Nov 73
- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W.
Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
- [Adipose dysendocrinia. Clinical case treated by psychotherapeutic methods based on cybernetic features of G. Cipollina Mangiameli] Cipollina Mangiameli G.
Minerva Med 64:3761-4, 13 Oct 73 (Eng. Abstr.) (Ita)

ETIOLOGY

- Comparison of endocrine function in normal and genetically athymic mice. Shire JG, et al.
Comp Biochem Physiol [A] 47:93-100, Jan 74
- Bilateral adrenal abscesses in a neonate. Carty A, et al.
Pediatr Radiol 1:63-4, Mar 73
- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W.
Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
- [Adrenal gland changes induced in rats with administration of the total residue of drinking water]

ADRENAL

ADRENAL GLAND

from a focus of endemic nephropathy] Bordás E, et al.
Stud Cercet Med Interna 14:473-80, 1973 (Eng. Abstr.)
(Rum)

METABOLISM

Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Vliinikka L, et al.
Clin Chim Acta 48:359-65, 15 Nov 73

PATHOLOGY

Surgical grand rounds: Adrenal cyst.
Ill Med J 141:212-4, Feb 73
[Adrenal gland cyst] Schwesinger G, et al.
Z Gesamte Inn Med 28:564-6, 15 Sep 73 (Eng. Abstr.)
(Ger)
[Adrenal gland changes induced in rats with administration of the total residue of drinking water from a focus of endemic nephropathy] Bordás E, et al.
Stud Cercet Med Interna 14:473-80, 1973 (Eng. Abstr.)
(Rum)

RADIOGRAPHY

Diagnosis of adrenal cysts utilizing the principle of total body opacification. Kurtl DJ, et al.
Am J Roentgenol Radium Ther Nucl Med 119:576-9, Nov 73
Adrenal adenoma and hyperplasia. The importance of arteriographic differential diagnosis. Lee KR, et al.
Am J Roentgenol Radium Ther Nucl Med 119:796-804, Dec 73
Surgical grand rounds: Adrenal cyst.
Ill Med J 141:212-4, Feb 73
Bilateral adrenal abscesses in a neonate. Carty A, et al.
Pediatr Radiol 1:63-4, Mar 73
[Value for the clinician of vascular exploration of the adrenal capsules] Bricaire H, et al.
Ann Radiol (Paris) 16:545-8, Sep-Oct 73 (Eng. Abstr.)
(Fre)
[Adrenal phlebography] Joffe F.
Ann Radiol (Paris) 16:581-96, Sep-Oct 73 (Eng. Abstr.)
(Fre)
[Value of arteriography in adrenal pathology]
Tavernier J, et al.
Ann Radiol (Paris) 16:565-80, Sep-Oct 73 (Eng. Abstr.)
(Fre)
[Radiology in arterial hypertension] Slim R, et al.
Tunis Med 50:363-75, Sep-Oct 72 (Fre)
[Experience with excretory pancreography in endocrine diseases] Bukhman AI.
Probl Endokrinol (Mosk) 19:43-5, Nov-Dec 73 (Eng. Abstr.)
(Rus)

THERAPY

[Adipose dysendocrinia. Clinical case treated by psychotherapeutic methods based on cybernetic features of G. Cipollina Mangiameli] Cipollina Mangiameli G.
Minerva Med 64:3761-4, 13 Oct 73 (Eng. Abstr.) (Ita)

URINE

Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Vliinikka L, et al.
Clin Chim Acta 48:359-65, 15 Nov 73

ADRENAL GLAND HYPERFUNCTION

[Experimental and clinical studies of adrenal cortex hyperfunction] Kumagai A.
Jap J Urol 64:697-700, Sep 73 (Jap)

BLOOD

[Adrenal gland carcinoma with mineralocorticoidism, increased plasma-renin activity and normal plasma aldosterone] Rössler R, et al.
Med Welt 24:1644-7, 26 Oct 73 (Ger)

CLASSIFICATION

Adrenal adenoma and hyperplasia. The importance of arteriographic differential diagnosis. Lee KR, et al.
Am J Roentgenol Radium Ther Nucl Med 119:796-804, Dec 73

COMPLICATIONS

Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrilove JL, et al.
J Urol 110:710-3, Dec 73
The empty sella syndrome. Virilization in a 59-year-old woman. Shore RN, et al. JAMA 227:69-70, 7 Jan 74
[Adrenal gland carcinoma with mineralocorticoidism, increased plasma-renin activity and normal plasma aldosterone] Rössler R, et al.
Med Welt 24:1644-7, 26 Oct 73 (Ger)

CONGENITAL

[2 cases of congenital adrenal hyperplasia] Kolke T, et al.
Clin Endocrinol (Tokyo) 21:845-50, Aug 73 (Jap)

DIAGNOSIS

Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrilove JL, et al.
J Urol 110:710-3, Dec 73

DRUG THERAPY

Letter: Maturational deceleration following treatment with testosterone. Bongiovanni AM.
J Pediatr 83:1095, Dec 73
[Clinico-roentgenological aspects of the osseous system in hypercorticism in patients undergoing thyrocalcitonin medication] Vasiukova EA, et al.
Sov Med 36:35-40, Sep 73 (Eng. Abstr.) (Rus)

ETIOLOGY

The relation of starvation to hypoglycaemia and adrenocortical activity in newborn and six-week-old piglets. Dvořák M.
Zentralbl Veterinärmed [A] 20:370-81, Jul 73

PATHOLOGY

Human adrenal tumors and hyperplasias in vitro: a bridge between morphology and function. Tazaki H, et al.
Invest Urol 11:288-94, Jan 74
Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrilove JL, et al.
J Urol 110:710-3, Dec 73
[Adrenocortical hyperplasias and tumors in organ culture (author's transl)] Mural M.
Jap J Urol 64:629-50, Aug 73 (Eng. Abstr.) (Jap)

RADIOGRAPHY

Adrenal adenoma and hyperplasia. The importance of arteriographic differential diagnosis. Lee KR, et al.
Am J Roentgenol Radium Ther Nucl Med 119:796-804, Dec 73
[Value for the clinician of vascular exploration of the adrenal capsules] Bricaire H, et al.
Ann Radiol (Paris) 16:545-8, Sep-Oct 73 (Eng. Abstr.)
(Fre)

VETERINARY

The relation of starvation to hypoglycaemia and adrenocortical activity in newborn and six-week-old piglets. Dvořák M.
Zentralbl Veterinärmed [A] 20:370-81, Jul 73

ADRENAL GLAND HYPOFUNCTION

BLOOD

Impaired renin responsiveness with secondary hypoadosteronism. Gossain VV, et al.
Arch Intern Med 132:885-90, Dec 73

CHEMICALLY INDUCED

Adrenal insufficiency and electrophysiological measures of auditory sensitivity. Conn FW, et al.
Am J Physiol 225:1430-6, Dec 73
[Busulfan-induced adrenal insufficiency] Rodríguez Cuartero A, et al.
Rev Clin Esp 131:73-8, 15 Oct 73 (Spa)

COMPLICATIONS

Impaired renin responsiveness with secondary

ADRENAL

ADRENAL GLAND

- hypoadosteronism. Gossain VV, et al.
Arch Intern Med 132:885-90, Dec 73
Familial congenital adrenal hypoplasia. Brook CG, et al.
Helv Paediatr Acta 28:277-82, Oct 73
[Diagnosis and treatment of hypercalcemia] Verbanck
M, et al. Brux Med 53:649-68, Nov 73 (Fre)
[Case contribution to the differential diagnosis of
porphyria] Zawirska B, et al.
Z Gesamte Inn Med 28:657-60, 1 Nov 73 (Eng. Abstr.)
(Ger)
[Pseudoperitoneal syndrome in chronic adrenal
insufficiency] Baranov IS, et al.
Klin Med (Mosk) 51:95-6, May 73 (Rus)

CONGENITAL

- Familial congenital adrenal hypoplasia. Brook CG, et al.
Helv Paediatr Acta 28:277-82, Oct 73

DIAGNOSIS

- Familial congenital adrenal hypoplasia. Brook CG, et al.
Helv Paediatr Acta 28:277-82, Oct 73
Iatrogenic Cushing's disease in a boy after misdiagnosis
of salt-losing virilizing adrenal hyperplasia: Impaired
metyrapone response with failure of catch-up growth.
Mendilaharsu H, et al. J Pediatr 83:69-76, Jul 73
[Adult histiocytosis X with multiple localizations. 6
year course and therapeutic discussion] Batlme J, et
al.
Ann Med Interne (Paris) 124:591-600, Aug-Sep 73
(Fre)
[Adrenocortical insufficiency as a result of isolated
corticotropin-releasing hormone (CRH) deficiency
(author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng.
Abstr.) (Ger)
[Pseudoperitoneal syndrome in chronic adrenal
insufficiency] Baranov IS, et al.
Klin Med (Mosk) 51:95-6, May 73 (Rus)

ETIOLOGY

- Clinical features of nonfunctioning chromophobe
adenomas. Hooper MJ, et al.
Aust NZ J Med 3:371-5, Aug 73
Amphotericin pharmacophobia. Symmers WS.
Br Med J 4:460-3, 24 Nov 73
Adrenal insufficiency resulting from metastasis of
non-functioning adrenocortical carcinoma. Heath H
3d, et al. Med Ann DC 42:545-7, Nov 73
[Adult histiocytosis X with multiple localizations. 6
year course and therapeutic discussion] Batlme J, et
al.
Ann Med Interne (Paris) 124:591-600, Aug-Sep 73
(Fre)
[Adrenocortical insufficiency as a result of isolated
corticotropin-releasing hormone (CRH) deficiency
(author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng.
Abstr.) (Ger)
[The ultrastructure of the atrophic adrenal cortex in
dissociated secondary adrenocortical insufficiency
(author's transl)] Mitschke H, et al.
Virchows Arch [Pathol Anat] 361:217-28, 27 Nov 73
(Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

- Familial congenital adrenal hypoplasia. Brook CG, et al.
Helv Paediatr Acta 28:277-82, Oct 73

METABOLISM

- Impaired renin responsiveness with secondary
hypoadosteronism. Gossain VV, et al.
Arch Intern Med 132:885-90, Dec 73

PATHOLOGY

- [The ultrastructure of the atrophic adrenal cortex in
dissociated secondary adrenocortical insufficiency
(author's transl)] Mitschke H, et al.
Virchows Arch [Pathol Anat] 361:217-28, 27 Nov 73
(Eng. Abstr.) (Ger)
[Case contribution to the differential diagnosis of
porphyria] Zawirska B, et al.
Z Gesamte Inn Med 28:657-60, 1 Nov 73 (Eng. Abstr.)
(Ger)

PHYSIOPATHOLOGY

- Adrenal insufficiency and electrophysiological
measures of auditory sensitivity. Conn FW, et al.
Am J Physiol 225:1430-6, Dec 73
[Function of the medullary zone of the adrenal glands
in animals during experimental hypocorticism]
Reznikov OG. Fiziol Zh 19:396-7, May-Jun 73 (Ukr)

ADRENAL GLAND NEOPLASMS

- Inappropriate antidiuretic hormone-like syndrome
associated with an adrenocortical carcinoma. Falchuk
KR. Am J Med Sci 266:393-5, Nov 73
Proceedings: Tumors of the adrenal cortex. Harrison
JH, et al. Cancer 32:1227-35, Nov 73
New human cancer cell culture lines. I. SW-13,
small-cell carcinoma of the adrenal cortex. Leibovitz
A, et al. J Natl Cancer Inst 51:691-7, Aug 73
Letter: Multiple benign hepatomas and virilisation by
ovarian tumour. Mosonyi L. Lancet 2:1263-4, 1 Dec 73
Proceedings: Management of pheochromocytoma: an
overview of current diagnosis and treatment. Ayala
LA, et al. Proc Natl Cancer Conf 7:529-35, 1973
Detection of heat-labile Escherichia coli enterotoxin
with the use of adrenal cells in tissue culture. Donta
ST, et al. Science 183:334-6, 25 Jan 74

BLOOD

- Preoperative localization of pheochromocytoma. Agee
OF, et al.
Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
A gonadotropin-responsive adrenocortical adenoma.
Givens JR, et al.
J Clin Endocrinol Metab 38:126-33, Jan 74
[Pheochromocytoma with headache as the only
symptom. Apropos of 2 cases] Fromantin M, et al.
Ann Med Interne (Paris) 124:587-90, Aug-Sep 73 (Fre)
[Adrenal gland carcinoma with mineralocorticoidism,
increased plasma-renin activity and normal plasma
aldosterone] Rössler R, et al.
Med Welt 24:1644-7, 26 Oct 73 (Ger)
[Plasma insulin levels in endocrine diseases. 3. Plasma
insulin levels in patients with adrenal gland diseases
and during steroid treatment] Ikeda M.
Folia Endocrinol Jap 49:1286-96, Oct 73 (Eng. Abstr.)
(Jap)

COMPLICATIONS

- Pheochromocytoma causing excessive parathyroid
hormone production and hypercalcemia. Kukreja SC,
et al. Ann Intern Med 79:838-40, Dec 73
Oral involvement in neuroblastoma. Stern MH, et al.
J Am Dent Assoc 88:346-51, Feb 74
Proceedings: Terminology, pathophysiology and
preoperative investigations in renovascular
hypertension. Ringold S.
J Cardiovasc Surg (Torino) 14:673-7, Nov-Dec 73
Hypercalcemia in pheochromocytoma. Hajjar ET, et al.
J Med Liban 28:269-72, 1973
Letter: Virilizing adrenal carcinoma. Hanley WL.
Lancet 2:1153, 17 Nov 73
Adrenal insufficiency resulting from metastasis of
non-functioning adrenocortical carcinoma. Heath H
3d, et al. Med Ann DC 42:545-7, Nov 73
Aldosterone: review of its physiology and diagnostic
aspects of primary aldosteronism. Horton R.
Metabolism 22:1525-45, Dec 73 (176 ref.)
Hypertensive emergencies. Koch-Weser J.
N Engl J Med 290:211-4, 24 Jan 74 (14 ref.)
Misdiagnosis of endometrial adenoacanthoma in a
27-year old woman with adrenocortical tumor.
Grattarola R. Oncology 28:246-52, 1973
Proceedings: Tumors of the adrenal cortex and
Cushing's syndrome. Scott HW Jr.
Proc Natl Cancer Conf 7:513-21, 1973
[Adrenal gland carcinoma with mineralocorticoidism,
increased plasma-renin activity and normal plasma
aldosterone] Rössler R, et al.
Med Welt 24:1644-7, 26 Oct 73 (Ger)
[The ultrastructure of the atrophic adrenal cortex in
dissociated secondary adrenocortical insufficiency
(author's transl)] Mitschke H, et al.
Virchows Arch [Pathol Anat] 361:217-28, 27 Nov 73
(Eng. Abstr.) (Ger)
[Meningeal carcinomatosis in malignant
pheochromocytoma] Andrioli GC, et al.
Acta Neurol (Napoli) 28:415-24, Jul-Aug 73 (Ita)

ADRENAL

ADRENAL GLAND

- [Hyperinsulinism and polyendocrine adenomatosis] Basoli A, et al.
Folia Endocrinol (Roma) 26:356-60, Oct 73 (Ita)
 [Fine structure of the adrenal adenoma producing Cushing's syndrome (author's transl)] Kano K, et al.
Jap J Urol 64:529-38, Jul 73 (Eng. Abstr.) (Jap)
 [On adrenal tumors and hypertensinogenic retroperitoneal tumors] Setlavec D, et al.
Chirurgia (Bucur) 22:961-72, Nov 73 (Eng. Abstr.) (Rum)
 [Case of feminizing tumor of the adrenal gland] Liashko Kia, et al. **Sov Med** 36:145-6, Sep 73 (Rus)

DIAGNOSIS

- Preoperative localization of pheochromocytoma. Agee OF, et al.
Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
 Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. **Cancer** 32:1227-35, Nov 73
 An assessment of the metyrapone test. Shahmanesh M, et al. **Clin Endocrinol (Oxf)** 2:201-6, Jul 73
 Hypercalcemia in pheochromocytoma. Hajjar ET, et al. **J Med Liban** 26:269-72, 1973
 Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. **Proc Natl Cancer Conf** 7:529-35, 1973
 Clinical sonography in urology. Elchhorn GL, et al. **Urology** 1:506-22, Jun 73 (12 ref.)
 [Pheochromocytoma with headache as the only symptom. Apropos of 2 cases] Fromantin M, et al. **Ann Med Interne (Paris)** 124:587-90, Aug-Sep 73 (Fre)
 [Determination of free urinary cortisol. Its value in Cushing's syndrome] Gicquel JP, et al.
Nouv Presse Med 2:2683-4, 10 Nov 73 (Fre)
 [Surgical treatment of pheochromocytoma] Schega W, et al. **Med Klin** 68:1423-6, 2 Nov 73 (Ger)
 [In vivo metabolism of 131-I-19-cholesterol used as adrenal gland scanning agent] Fukuchi S, et al.
Folia Endocrinol Jap 49:1245-53, Oct 73 (Eng. Abstr.) (Jap)
 [Biochemical diagnosis of pheochromocytomas] Wocial B. **Kardiol Pol** 16:419-26, 1973 (62 ref.) (Pol)

DRUG THERAPY

- Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. **Cancer** 32:1227-35, Nov 73
 Preliminary trials with a combination of adriamycin (NSC-123127) and bleomycin (NSC-125066) in adult malignancies. Tormey DC, et al.
Cancer Chemother Rep 57:413-8, Nov-Dec 73
 Adrenal cortical carcinoma: a case report. Judy JC, et al. **J Med Assoc Ga** 62:377-9, Nov 73
 Misdiagnosis of endometrial adenoacanthoma in a 27-year old woman with adrenocortical tumor. Grattarola R. **Oncology** 28:246-52, 1973

ENZYMOLGY

- In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. **Steroids** 22:731-45, Dec 73
 [Biochemical diagnosis of pheochromocytomas] Wocial B. **Kardiol Pol** 16:419-26, 1973 (62 ref.) (Pol)

ETIOLOGY

- Carcinogenicity of inhaled plutonium-238 in the rat. Sanders CL Jr. **Radiat Res** 56:540-53, Dec 73

FAMILIAL & GENETIC

- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. **N Engl J Med** 289:472-9, 30 Aug 73

METABOLISM

- Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. **J Endocrinol** 59:11-1x, Nov 73
 In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. **Steroids** 22:731-45, Dec 73
 Ultrastructural and biochemical study of benign ganglioneuroma. Yokoyama M, et al.
Virchows Arch [Pathol Anat] 361:195-209, 27 Nov 73
 [In vivo metabolism of 131-I-19-cholesterol used as adrenal gland scanning agent] Fukuchi S, et al.

- Folia Endocrinol Jap** 49:1245-53, Oct 73 (Eng. Abstr.) (Jap)
 [Ectopic parathyroid hormone producing malignant pheochromocytoma] Shinbo S, et al.
Jap J Clin Med 31:2781-7, Sep 73 (Jap)
 [Biochemical diagnosis of pheochromocytomas] Wocial B. **Kardiol Pol** 16:419-26, 1973 (62 ref.) (Pol)

PATHOLOGY

- Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. **Cancer** 32:1227-35, Nov 73
 Human adrenal tumors and hyperplasias in vitro: a bridge between morphology and function. Tazaki H, et al. **Invest Urol** 11:288-94, Jan 74
 Letter: Virilizing adrenal carcinoma. Hanley WL. **Lancet** 2:1153, 17 Nov 73
 Incidence of head and neck metastases from genito-urinary neoplasms. Flocks RH, et al. **Laryngoscope** 83:1527-39, Sep 73
 Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. **N Engl J Med** 289:472-9, 30 Aug 73
 In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. **Steroids** 22:731-45, Dec 73
 Ultrastructural and biochemical study of benign ganglioneuroma. Yokoyama M, et al.
Virchows Arch [Pathol Anat] 361:195-209, 27 Nov 73
 [Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al.
Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)
 [Fine structure of the adrenal adenoma producing Cushing's syndrome (author's transl)] Kano K, et al.
Jap J Urol 64:529-38, Jul 73 (Eng. Abstr.) (Jap)
 [Adrenocortical hyperplasias and tumors in organ culture (author's transl)] Mural M.
Jap J Urol 64:629-50, Aug 73 (Eng. Abstr.) (Jap)

PHYSIOPATHOLOGY

- Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. **Cancer** 32:1227-35, Nov 73
 Misdiagnosis of endometrial adenoacanthoma in a 27-year old woman with adrenocortical tumor. Grattarola R. **Oncology** 28:246-52, 1973

RADIOGRAPHY

- Preoperative localization of pheochromocytoma. Agee OF, et al.
Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
 The angiographic demonstration of partially infarcted pheochromocytomas of the adrenal gland. Baltaxe HA, et al.
Am J Roentgenol Radium Ther Nucl Med 119:793-5, Dec 73
 Adrenal adenoma and hyperplasia. The importance of arteriographic differential diagnosis. Lee KR, et al.
Am J Roentgenol Radium Ther Nucl Med 119:796-804, Dec 73
 Adrenal venography: clinical-roentgeno-graphic correlation in 80 patients. Mitty HA, et al.
Am J Roentgenol Radium Ther Nucl Med 119:564-75, Nov 73
 Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. **Proc Natl Cancer Conf** 7:529-35, 1973
 Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr.
Proc Natl Cancer Conf 7:513-21, 1973
 [Value for the clinician of vascular exploration of the adrenal capsules] Bricaire H, et al.
Ann Radiol (Paris) 16:545-8, Sep-Oct 73 (Eng. Abstr.) (Fre)
 [Adrenal phlebography] Joffre F.
Ann Radiol (Paris) 16:581-96, Sep-Oct 73 (Eng. Abstr.) (Fre)
 [Value of arteriography in adrenal pathology] Tavernier J, et al.
Ann Radiol (Paris) 16:565-80, Sep-Oct 73 (Eng. Abstr.) (Fre)
 [Radiology in arterial hypertension] Slim R, et al.
Tunis Med 50:363-75, Sep-Oct 72 (Fre)

SURGERY

- Preoperative localization of pheochromocytoma. Agee

ADRENAL

ADRENAL GLAND

- OF, et al.
Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
 Pheochromocytoma causing excessive parathyroid hormone production and hypercalcemia. Kukreja SC, et al. *Ann Intern Med* 79:838-40, Dec 73
 Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. *Cancer* 32:1227-35, Nov 73
 Adrenal cortical carcinoma: a case report. Judy JC, et al. *J Med Assoc Ga* 62:377-9, Nov 73
 Hypercalcemia in pheochromocytoma. Hajjar ET, et al. *J Med Liban* 26:269-72, 1973
 Misdiagnosis of endometrial adenoacanthoma in a 27-year old woman with adrenocortical tumor. Grattarola R. *Oncology* 28:246-52, 1973
 Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. *Proc Natl Cancer Conf* 7:529-35, 1973
 Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr.
Proc Natl Cancer Conf 7:513-21, 1973
 [Pheochromocytoma with headache as the only symptom. Apropos of 2 cases] Fromantin M, et al. *Ann Med Interne (Paris)* 124:587-90, Aug-Sep 73 (Fre)
 [Plasma aldosterone in a patient with primary aldosteronism during and after adenoma excision] Vetter H, et al.
Dtsch Med Wochenschr 98:2420-1, 14 Dec 73 (Ger)
 [Surgical treatment of pheochromocytoma] Schega W, et al. *Med Klin* 68:1423-6, 2 Nov 73 (Ger)
 [Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al.
Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)
 [Anesthesia in surgery of pheochromocytoma: roles of catecholamines and histamine in the blood] Goto F, et al.
Jap J Anesthesiol 22:1293-7, Oct 73 (Eng. Abstr.) (Jap)

URINE

- A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al.
J Clin Endocrinol Metab 38:126-33, Jan 74
 Ultrastructural and biochemical study of benign ganglioneuroma. Yokoyama M, et al.
Virchows Arch [Pathol Anat] 361:195-209, 27 Nov 73
 [Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al.
Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)

VETERINARY

- [Spontaneous tumors in Syrian golden hamsters (author's transl)] Döntenwill W, et al.
Z Krebsforsch 80:127-58, 1 Nov 73 (Eng. Abstr.) (Ger)

ADRENAL GLANDS

ABNORMALITIES

- The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al.
Acta Pathol Microbiol Scand [A] 81:225-8, May 73
 Letter: Congenital adrenal hypoplasia. Szalay GC.
J Pediatr 83:169-70, Jul 73

ADRENOGENITAL SYNDROME

- Sexuality and educational levels of women with the late-treated adrenogenital syndrome. Lev-Ran A. *Arch Sex Behav* 3:27-32, Jan 74
 Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al.
J Urol 110:710-3, Dec 73
 [Experimental and clinical studies of adrenal cortex hyperfunction] Kumagal A.
Jap J Urol 64:697-700, Sep 73 (Jap)

COMPLICATIONS

- [Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

DIAGNOSIS

- Failure to thrive, vomiting, and undescended testes in a two-month-old boy. Ziai M, et al.
Clin Pediatr (Phila) 12:31A, Nov 73

- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
 Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al.
J Urol 110:710-3, Dec 73
 [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Biunck W. *Monatsschr Kinderheilkd* 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
 [Clinical aspects and diagnosis of congenital dysfunction of the adrenal cortex (salt-losing form) in young children] Akhmina NI, et al.
Vopr Okhr Materin Det 18:82-6, Jan 73 (Rus)

DRUG THERAPY

- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Biunck W. *Monatsschr Kinderheilkd* 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

ETIOLOGY

- Letter: Virilizing adrenal carcinoma. Hanley WL.
Lancet 2:1153, 17 Nov 73

PATHOLOGY

- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al.
J Urol 110:710-3, Dec 73
 Letter: Virilizing adrenal carcinoma. Hanley WL.
Lancet 2:1153, 17 Nov 73

CUSHING'S SYNDROME

- [Experimental and clinical studies of adrenal cortex hyperfunction] Kumagal A.
Jap J Urol 64:697-700, Sep 73 (Jap)

BLOOD

- Plasma unconjugated and conjugated 17-hydroxycorticosteroids in different clinical disorders. Pal SB.
Clin Endocrinol (Oxf) 2:141-51, Apr 73
 Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of iatrogenic Cushing's syndrome. Caniggia A, et al.
Helv Med Acta 37:221-5, Oct 73
 Radioimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. Croughs RJ, et al.
J Endocrinol 59:439-49, Dec 73
 [Plasma insulin levels in endocrine diseases. 3. Plasma insulin levels in patients with adrenal gland diseases and during steroid treatment] Ikeda M.
Folia Endocrinol Jap 49:1286-96, Oct 73 (Eng. Abstr.) (Jap)

CHEMICALLY INDUCED

- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease. I. Short-term effects. Algvere P, et al.
Acta Ophthalmol (Kbh) 51:461-74, 1973
 Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of iatrogenic Cushing's syndrome. Caniggia A, et al.
Helv Med Acta 37:221-5, Oct 73
 Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
 [Complications of corticosteroid therapy in rheumatological practice] Sinlachenko VV.
Ter Arkh 45:38-41, Jan 73 (Eng. Abstr.) (Rus)

COMPLICATIONS

- Proceedings: Terminology, pathophysiology and preoperative investigations in renovascular hypertension. Ringoir S.
J Cardiovasc Surg (Torino) 14:673-7, Nov-Dec 73
 [Pathogenesis of obesity in Itsenko-Cushing disease] Stankusheva T.
Vutr Boles 12:55-60, 1973 (Eng. Abstr.) (Bul)
 [Problems of pathogenesis in mycology] Araviysky AN.

- Int J Dermatol 12:366-71, Nov-Dec 73 (Eng. Abstr.) (Fre)
- [Determination of free urinary cortisol. Its value in Cushing's syndrome] Gicquel JP, et al. Nouv Presse Med 2:2683-4, 10 Nov 73 (Fre)
- [The ultrastructure of the atrophic adrenal cortex in dissociated secondary adrenocortical insufficiency (author's transl)] Mitschke H, et al. Virchows Arch [Pathol Anat] 361:217-28, 27 Nov 73 (Eng. Abstr.) (Ger)
- [Clinico-roentgenological aspects of the osseous system in hypercorticism in patients undergoing thyrocalcitonin medication] Vasiukova EA, et al. Sov Med 36:35-40, Sep 73 (Eng. Abstr.) (Rus)
- [Disorders of blood coagulation in patients with hypothalamic syndrome in the puberty period and forme fruste of Itsenko-Cushing syndrome] Vasiukova EA, et al. Vrach Delo 9:73-6, Sep 73 (Eng. Abstr.) (Rus)

DIAGNOSIS

- Postmenopausal osteoporosis. Gordan GS, et al. Am Fam Physician 8:74-83, Dec 73
- Adrenal venography: clinical-roentgeno-graphic correlation in 80 patients. Mitty HA, et al. Am J Roentgenol Radium Ther Nucl Med 119:564-75, Nov 73
- ACTH and MSH assays and their clinical application. Beaser GM. Clin Endocrinol (Oxf) 2:175-86, Apr 73 (55 ref.)
- Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr. Proc Natl Cancer Conf 7:513-21, 1973
- [Pituitary disorders; growth disturbances (author's transl)] Blerich JR. Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)
- [Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B. Pol Tyg Lek 28:1327-8, 20 Aug 73 (17 ref.) (Pol)

DRUG THERAPY

- [Clinico-roentgenological aspects of the osseous system in hypercorticism in patients undergoing thyrocalcitonin medication] Vasiukova EA, et al. Sov Med 36:35-40, Sep 73 (Eng. Abstr.) (Rus)

ETIOLOGY

- Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. Cancer 32:1227-35, Nov 73
- An assessment of the metyrapone test. Shahmanesh M, et al. Clin Endocrinol (Oxf) 2:201-6, Jul 73
- Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. J Endocrinol 59:ii-ix, Nov 73
- Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr. Proc Natl Cancer Conf 7:513-21, 1973
- [Surgical treatment of Cushing's syndrome] Blichert-Toft M, et al. Ugeskr Laeger 135:1009-11, 21 May 73 (Eng. Abstr.) (Dan)
- [Pituitary disorders; growth disturbances (author's transl)] Blerich JR. Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)
- [4 Cases of nodular hyperplasia of the adrenal cortex causing Cushing's syndrome] Gottwald G, et al. Orv Hetil 115:11-4, 6 Jan 74 (Hum)
- [Fine structure of the adrenal adenoma producing Cushing's syndrome (author's transl)] Kano K, et al. Jap J Urol 64:529-38, Jul 73 (Eng. Abstr.) (Jap)

METABOLISM

- Skin collagen and thickness in Cushing's syndrome. Black MM, et al. Arch Dermatol Forsch 246:365-8, 28 May 73
- Effect of aminoglutethimide on adrenal cholesterol in patients with Cushing's syndrome. Feit V. Endocrinol Exp (Bratisl) 7:293-6, 1973
- Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of iatrogenic Cushing's syndrome. Caniggia A, et al. Helv Med Acta 37:221-5, Oct 73
- Proceedings: Adrenocorticotrophin (ACTH) and beta-melanocyte-stimulating hormone peptides in tumours associated with the ectopic ACTH syndrome. Bloomfield G, et al. J Endocrinol 59:28-9, Nov 73

- Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. J Endocrinol 59:ii-ix, Nov 73
- [Episodic secretion of cortisol in Cushing's syndrome (author's transl)] Armbruster H, et al. Klin Wochenschr 51:1025-6, 15 Oct 73 (Eng. Abstr.) (Ger)
- [In vivo metabolism of 131-I-19-cholesterol used as adrenal gland scanning agent] Fukuchi S, et al. Folia Endocrinol Jap 49:1245-53, Oct 73 (Eng. Abstr.) (Jap)
- [Acetylating capacity of the organism in patients with Itsenko-Cushing disease] Vasiukova EA, et al. Ter Arkh 45:16-9, Sep 73 (Eng. Abstr.) (Rus)
- [Experiments on hypothalamic effect on metabolic endocrine processes] Laut A. Fiziol Zh 19:684-91, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PATHOLOGY

- Skin collagen and thickness in Cushing's syndrome. Black MM, et al. Arch Dermatol Forsch 246:365-8, 28 May 73
- A histo-cytometric study of the adrenal cortex in Cushing's disease. Narbutt B, et al. Endokrynol Pol 24:355-61, Sep-Oct 73
- Human adrenal tumors and hyperplasias in vitro: a bridge between morphology and function. Tazaki H, et al. Invest Urol 11:288-94, Jan 74
- [Ultrastructure of pituitary adenomas in Cushing's syndrome after adrenalectomy (author's transl)] Saeger W. Virchows Arch [Pathol Anat] 361:39-50, 10 Oct 73 (Eng. Abstr.) (Ger)
- [4 Cases of nodular hyperplasia of the adrenal cortex causing Cushing's syndrome] Gottwald G, et al. Orv Hetil 115:11-4, 6 Jan 74 (Hum)
- [Fine structure of the adrenal adenoma producing Cushing's syndrome (author's transl)] Kano K, et al. Jap J Urol 64:529-38, Jul 73 (Eng. Abstr.) (Jap)
- [Adrenocortical hyperplasias and tumors in organ culture (author's transl)] Mural M. Jap J Urol 64:629-50, Aug 73 (Eng. Abstr.) (Jap)

PHYSIOPATHOLOGY

- An assessment of the metyrapone test. Shahmanesh M, et al. Clin Endocrinol (Oxf) 2:201-6, Jul 73
- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
- [Considerations on the relationships between neuraminic acid levels and morphology of spermatozoa in humans] Dinulescu E, et al. Stud Cercet Endocrinol 24:509-15, 1973 (Rum)

RADIOGRAPHY

- Adrenal venography: clinical-roentgeno-graphic correlation in 80 patients. Mitty HA, et al. Am J Roentgenol Radium Ther Nucl Med 119:564-75, Nov 73
- [Value for the clinician of vascular exploration of the adrenal capsules] Bricaire H, et al. Ann Radiol (Paris) 16:545-8, Sep-Oct 73 (Eng. Abstr.) (Fre)

SURGERY

- [Surgical treatment of Cushing's syndrome] Blichert-Toft M, et al. Ugeskr Laeger 135:1009-11, 21 May 73 (Eng. Abstr.) (Dan)
- [Ultrastructure of pituitary adenomas in Cushing's syndrome after adrenalectomy (author's transl)] Saeger W. Virchows Arch [Pathol Anat] 361:39-50, 10 Oct 73 (Eng. Abstr.) (Ger)
- [Functional activity of the adrenal cortex autotransplant in Itsenko-Cushing's disease following bilateral total adrenalectomy] Goncharova VN, et al. Probl Endokrinol (Mosk) 19:35-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

URINE

- Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of

CUSHING'S SYNDROME

- iatrogenic Cushing's syndrome. Caniggia A, et al. *Helv Med Acta* 37:221-5, Oct 73
 [Determination of free urinary cortisol. Its value in Cushing's syndrome] Gicquel JP, et al. *Nouv Presse Med* 2:2683-4, 10 Nov 73 (Fre)

VETERINARY

- Myotonia in the dog: a report of four cases. Griffiths IR, et al. *Vet Rec* 93:184-8, 18 Aug 73

HYPERALDOSTERONISM

- [Introduction to Bartter's syndrome] Kono T. *Jap J Clin Med* 31:2802-11, Sep 73 (68 ref.) (Jap)
 [Experimental and clinical studies of adrenal cortex hyperfunction] Kumagai A. *Jap J Urol* 64:697-700, Sep 73 (Jap)
 [Primary hyperaldosteronism (comments and report of a case)] Díaz Fernández A, et al. *Rev Clin Esp* 130:447-52, 15 Sep 73 (Spa)

BLOOD

- Radiimmunoassay for aldosterone without chromatography. 2. Determination of plasma aldosterone. Vetter W, et al. *Acta Endocrinol (Kbh)* 74:558-67, Nov 73
 Increased plasma renin substrate concentration in human malignant hypertension. Rosset E, et al. *Helv Med Acta* 37:235-50, Oct 73
 [Plasma aldosterone in a patient with primary aldosteronism during and after adenoma excision] Vetter H, et al. *Dtsch Med Wochenschr* 98:2420-1, 14 Dec 73 (Ger)
 [Bartter's syndrome with overproduction of erythropoietin] Konaka Y, et al. *Jap J Clin Med* 31:2829-33, Sep 73 (Jap)

COMPLICATIONS

- Studies on the mechanism of aldosterone-induced hypertension in man. Distler A, et al. *Clin Sci Mol Med* 45:743-50, Dec 73
 [The pathogenesis of hypertension in primary aldosteronism] Hantschmann L. *Hippokrates* 44:331-2, Oct 73 (7 ref.) (Ger)

DIAGNOSIS

- Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)
 [Introduction to Bartter's syndrome] Kono T. *Jap J Clin Med* 31:2802-11, Sep 73 (68 ref.) (Jap)
 [Bartter's syndrome in young children] Yoshioka M, et al. *Jap J Clin Med* 31:2834-9, Sep 73 (Jap)
 [Primary aldosteronism (clinical study and outcome of 8 cases)] Gutierrez Millet V, et al. *Rev Clin Esp* 131:11-20, 15 Oct 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

- [Treatment and the clinical course of Bartter's syndrome] Takayasu H, et al. *Jap J Clin Med* 31:2840-5, Sep 73 (Jap)
 [Primary aldosteronism (clinical study and outcome of 8 cases)] Gutierrez Millet V, et al. *Rev Clin Esp* 131:11-20, 15 Oct 73 (Eng. Abstr.) (Spa)

ETIOLOGY

- Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. *Cancer* 32:1227-35, Nov 73
 Hypertension and secondary hyperaldosteronism associated with a renin-secreting renal juxtaglomerular-cell tumour. Brown JJ, et al. *Lancet* 2:1228-32, 1 Dec 73
 Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)
 [Physiopathology of water-electrolyte disorders in cardiac insufficiency] Guedon J, et al. *Acta Cardiol (Brux)* Suppl 17:25-40, 1973 (Eng. Abstr.) (Fre)
 [The cardiologist faced with electrolyte disorders] Jouve A. *Acta Cardiol (Brux)* Suppl 17:2-14, 1973 (Fre)
 [Letter: Aldosteronism in liver cirrhosis] Siegenthaler W. *Dtsch Med Wochenschr* 98:2457, 21 Dec 73 (Ger)

ADRENAL

- [Introduction to Bartter's syndrome] Kono T. *Jap J Clin Med* 31:2802-11, Sep 73 (68 ref.) (Jap)
 [Problems in Bartter's syndrome--with special reference to clinical experience and renal tissue photomicrography] Ueda Y, et al. *Jap J Clin Med* 31:2818-28, Sep 73 (Jap)

METABOLISM

- Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. *J Endocrinol* 59:11-ix, Nov 73
 [Bartter's syndrome with overproduction of erythropoietin] Konaka Y, et al. *Jap J Clin Med* 31:2829-33, Sep 73 (Jap)
 [Electrolyte metabolism of the body fluid in Bartter's syndrome] Oda T, et al. *Jap J Clin Med* 31:2812-7, Sep 73 (Jap)

PATHOLOGY

- Human adrenal tumors and hyperplasias in vitro: a bridge between morphology and function. Tazaki H, et al. *Invest Urol* 11:288-94, Jan 74
 [Treatment and the clinical course of Bartter's syndrome] Takayasu H, et al. *Jap J Clin Med* 31:2840-5, Sep 73 (Jap)
 [Problems in Bartter's syndrome--with special reference to clinical experience and renal tissue photomicrography] Ueda Y, et al. *Jap J Clin Med* 31:2818-28, Sep 73 (Jap)
 [Bartter's syndrome in young children] Yoshioka M, et al. *Jap J Clin Med* 31:2834-9, Sep 73 (Jap)
 [Adrenocortical hyperplasias and tumors in organ culture (author's transl)] Mural M. *Jap J Urol* 64:629-50, Aug 73 (Eng. Abstr.) (Jap)

PHYSIOPATHOLOGY

- The pathophysiology of renin. Berman LB, et al. *Clin Symp* 25:1-35, 1973 (11 ref.)
 [Regulation of renin secretion. II. Integrating function of the juxtaglomerular apparatus] Rössler R, et al. *Med Welt* 24:1356-9, 7 Sep 73 (Ger)
 [Cardiac output and total serum volume--the standard value and changes in various diseases] Ishii Y. *Jap Circ J* 37:989-97, Aug 73 (Eng. Abstr.) (Jap)
 [Introduction to Bartter's syndrome] Kono T. *Jap J Clin Med* 31:2802-11, Sep 73 (68 ref.) (Jap)

RADIOGRAPHY

- Adrenal venography: clinical-roentgeno-graphic correlation in 80 patients. Mitty HA, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:564-75, Nov 73
 [Value for the clinician of vascular exploration of the adrenal capsules] Bricaire H, et al. *Ann Radiol (Paris)* 16:545-8, Sep-Oct 73 (Eng. Abstr.) (Fre)

SURGERY

- [Plasma aldosterone in a patient with primary aldosteronism during and after adenoma excision] Vetter H, et al. *Dtsch Med Wochenschr* 98:2420-1, 14 Dec 73 (Ger)
 [Primary aldosteronism (clinical study and outcome of 8 cases)] Gutierrez Millet V, et al. *Rev Clin Esp* 131:11-20, 15 Oct 73 (Eng. Abstr.) (Spa)

WATERHOUSE-FRIDERICHSEN SYNDROME

COMPLICATIONS

- [Electrocardiographic changes and myocardial damage in meningococcal sepsis in childhood] Silenzi M, et al. *Minerva Pediatr* 25:1453-64, 13 Oct 73 (Eng. Abstr.) (Ita)

OCCURRENCE

- [Meningococcal infection] Novikov PL, et al. *Sov Med* 36:82-6, Apr 73 (Eng. Abstr.) (Rus)

THERAPY

- [Emergency aid to patients with meningococcal infection in acute cardiovascular insufficiency] Novikov PL, et al. *Sov Med* 36:112-4, Mar 73 (Rus)

ADRENAL

111. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

ADRENAL CORTEX HORMONES

[Disodium cromoglycate (Lomudal). Clinical actions, indications and practical use in asthmatic lung diseases] Havnen J.
Tidsskr Nor Laegeforen 93:1740-4, 10 Sep 73 (Eng. Abstr.) (Nor)

ADMINISTRATION & DOSAGE

Adverse reactions in patients with rheumatic diseases. Retrospective analysis of causes of admission and out-patient attendance in a specialist centre. Lee P, et al. Ann Rheum Dis 32:565-73, Nov 73
Proceedings: Effect of corticotrophin and oral corticosteroids on nocturnally released growth hormone. Motson R, et al.
Ann Rheum Dis 32:595, Nov 73
Diseases of the skin. Management of eczema. II. Baker H. Br Med J 4:605-7, 8 Dec 73
Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al.
Scand J Rheumatol 2:113-8, 1973
Editorial: Diffuse proliferative lupus nephritis. Evaluation of therapy. McVicar MI, et al.
Urology 1:174-6, Feb 73
Re-excretion of feline viral rhinotracheitis virus following corticosteroid treatment. Gaskell RM, et al.
Vet Rec 93:204-5, 18 Aug 73
[Some data on external therapy of dermatoses] Ormea TF. Minerva Med 64:4021-8, 31 Oct 73 (Ita)
[Methods of withdrawal of long-term treatment with adrenal cortex in patients with asthma] Obtulowicz K. Pol Tyg Lek 28:1555-8, 1 Oct 73 (Eng. Abstr.) (Pol)
[Corticosteroid hormones in suppositories in the treatment of some diseases of the anorectal region] Iukhbldova ZhM, et al.
Sov Med 36:100-4, Sep 73 (Eng. Abstr.) (Rus)
[Complex treatment of patients with severe forms of alopecia areata by using the corticosteroid and anabolic hormones] Skripkin IUK, et al.
Sov Med 36:121-3, Feb 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Adverse reactions in patients with rheumatic diseases. Retrospective analysis of causes of admission and out-patient attendance in a specialist centre. Lee P, et al. Ann Rheum Dis 32:565-73, Nov 73
Editorial: Immunosuppressive therapy in active chronic hepatitis. Br Med J 4:441-2, 24 Nov 73
Editorial: Growth after renal transplantation. Br Med J 4:505-6, 1 Dec 73
Editorial: Steroid induced peptic ulcer. Majumdar SK. J Indian Med Assoc 60:471, 16 Jun 73
Ocular manifestations of Candida septicemia: review of seventy-six cases of hematogenous Candida endophthalmitis. Edwards JE Jr, et al.
Medicine (Baltimore) 53:47-75, Jan 74 (101 ref.)
Skin and fat atrophy complications of local steroid injection. Di Stefano V, et al. Pa Med 77:38, Jan 74
Leukaemia and cancer in relation to immunosuppressive therapy. Videbaek A. Scand J Haematol 10:241-3, 1973 (25 ref.)
Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al.
Scand J Rheumatol 2:113-8, 1973
Sporotrichoid infection due to Mycobacterium marinum: lesion exacerbated by corticosteroid infiltration. Aaronson CM, et al.
South Med J 67:117-8, Jan 74
Editorial: Diffuse proliferative lupus nephritis. Evaluation of therapy. McVicar MI, et al.
Urology 1:174-6, Feb 73
[Letter: Recurrence of tuberculosis due to corticosteroids] Kaiser H.
Dtsch Med Wochenschr 99:26, 4 Jan 74 (Ger)
[Letter: No corticosteroids in acute herpes zoster]

Windischbauer G.

Dtsch Med Wochenschr 98:2373, 7 Dec 73 (Ger)
[Corrosive injuries of the oesophagus and their treatment (author's transl)] Berdal P.
HNO 21:264-7, Sep 73 (Eng. Abstr.) (Ger)
[Etiology and pathogenesis of toxic side-effects of drugs on the retina (author's transl)] Meter-Ruge W. Klin Monatsbl Augenheilkd 163:155-72, Aug 73 (Eng. Abstr.) (Ger)
[Papilledema in hemorrhage due to ulcer] Wenig C. Med Welt 24:1473-6, 28 Sep 73 (Ger)
[Critical reflexions on the use of external corticosteroid combinations (ECC) in skin diseases] Stein E. Z Allgemeinmed 49:1227-33, 20 Sep 73 (Ger)
[Methods of withdrawal of long-term treatment with adrenal cortex in patients with asthma] Obtulowicz K. Pol Tyg Lek 28:1555-8, 1 Oct 73 (Eng. Abstr.) (Pol)
[Immediate results, frequency and character of the complications of corticosteroid therapy] Latysh VN, et al. Ter Arkh 45:107-11, May 73 (Eng. Abstr.) (Rus)
[Complications of corticosteroid therapy in rheumatological practice] Siniachenko VV. Ter Arkh 45:38-41, Jan 73 (Eng. Abstr.) (Rus)

ANALYSIS

[Corticosteroid fractions of intact myocardium and of myocardial infarct] Fazekas IG, et al.
Endokrinologie 61:342-54, Jun 73 (Eng. Abstr.) (Ger)
[Corticosteroid fractions of human periosteum with special reference to age and seasonal changes] Fazekas IG, et al.
Endokrinologie 61:276-92, May 73 (Ger)
[Radioimmunochemical determination of proreohormones] Sofranková A.
Cesk Fysiol 22:156-68, 1973 (Slo)

BIOSYNTHESIS

[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

BLOOD

Somatotrophic and corticotrophic functions in primary hypothyroidism before and after thyroxine treatment. Minozzi M, et al.
Acta Endocrinol (Kbh) 74:483-91, Nov 73
Protein-energy deficiency in nonhuman primates: biochemical and morphological alterations. Enwonwu CO, et al. Am J Clin Nutr 26:1287-302, Dec 73
Microdetermination of adrenocortical steroids by double isotope method. 3. Distribution and incorporation of corticosteroids into human blood cell fractions. Kunugi A, et al.
Endocrinol Jap 20:397-405, Aug 73
Clinical-psychological, electroencephalographic, and adrenocortical relationships in elderly psychiatric patients. Müller HF, et al. J Gerontol 29:28-38, Jan 74
Plasma corticosteroids in infants with the respiratory distress syndrome. Baden M, et al.
Pediatrics 52:782-7, Dec 73
Prolonged rupture of membranes associated with a decreased incidence of respiratory distress syndrome. Bauer CR, et al. Pediatrics 53:7-12, Jan 74
[Activity of the adrenal cortex and of the hypothalamic-pituitary system in the rat after prolonged hypercapnia (author's transl)] Reichart E, et al.
Beitr Pathol 149:323-35, Sep 73 (Eng. Abstr.) (Fre)
[Adrenal hormone content in the plasma and urine during treatment with estrogen-gestagen preparations] Rotkina IE.
Akush Ginekol (Mosk) 49:63-6, Aug 73 (Rus)
[Functional state of the adrenal cortex in patients with viral hepatitis] Khocheva AI, et al.
Klin Med (Mosk) 51:91-5, May 73 (Rus)

ADRENAL CORTEX

ADRENAL

CHEMICAL SYNTHESIS

Influence of 6-azido and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta6-6-substituted progestational series. Teutsch G, et al. *J Med Chem* 16:1370-6, Dec 73

METABOLISM

Effects of steroid suppression and gonadectomy on adrenal 5alpha-reductase activity and corticosterone production in rats. Colby HD, et al. *Acta Endocrinol (Kbh)* 74:568-75, Nov 73
Suppressive effect of dexamethasone on morphine-induced adrenocorticoidogenesis in rat. Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73
[Glucocorticoid activity of the adrenal cortex in patients with diabetes mellitus from the aspect of age] Bezverkbaia TP, et al. *Probl Endokrinol (Mosk)* 19:3-8, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Therapeutic effects of corticosteroids in septic shock. Dietzman RH, et al. *Acta Chir Belg* 72:308-30, Jul 73
Proceedings: Effect of corticotrophin and oral corticosteroids on nocturnally released growth hormone. Motson R, et al. *Ann Rheum Dis* 32:595, Nov 73
Proceedings: In vitro studies on the influence of some compounds on the metabolism of the crystalline lens. Korte I, et al. *Exp Eye Res* 17:397-8, 25 Nov 73
Influence of 6-azido and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta6-6-substituted progestational series. Teutsch G, et al. *J Med Chem* 16:1370-6, Dec 73
Letter: Maturational deceleration following treatment with testosterone. Bongiovanni AM. *J Pediatr* 83:1095, Dec 73
Skin tests in the diagnosis of allergies of the immediate type. Slavin RG. *Med Clin North Am* 58:65-9, Jan 74
Editorial: Platelet-phagocyte interactions in idiopathic thrombocytopenic purpura. Handin RI. *N Engl J Med* 290:281-2, 31 Jan 74
In vitro platelet phagocytosis by splenic leukocytes in idiopathic thrombocytopenic purpura. McMillan R, et al. *N Engl J Med* 290:249-51, 31 Jan 74
[Studies of the vasoconstrictive effect of steroid preparations for external use by means of remittometric photoplethysmography] Rovenský J, et al. *Cesk Dermatol* 48:361-6, Dec 73 (Eng. Abstr.) (Cze)
[Erythrocyte aggregation in nonsmokers, smokers and myocardial infarct patients] Boss N, et al. *Blut* 27:191-5, Sep 73 (Eng. Abstr.) (Ger)
[Blood changes as influenced by adrenal cortex hormones] Herold H. *Med Lab (Stuttg)* 26:278-84, Nov 73 (Ger)
[Effect of corticosteroids on arterial pressure in patients with stroke] Davidovich Sia. *Sov Med* 36:137-8, Sep 73 (Rus)
[The effect of corticosteroids on the level of depolymerase of nucleic acids in the brain, myocardium and skeletal muscles in rabbits following electric stimulation] Khmel'ko AG. *Fiziol Zb* 19:357-61, May-Jun 73 (Eng. Abstr.) (Ukr)

PHYSIOLOGY

Proceedings: Etiology, epidemiology, and pathology of prostatic cancer. Franks LM. *Cancer* 32:1092-5, Nov 73
The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. *Experientia* 29:1259-62, 15 Oct 73
[Blood changes as influenced by adrenal cortex hormones] Herold H. *Med Lab (Stuttg)* 26:278-84, Nov 73 (Ger)
[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. *Monatsschr Kinderheilkd* 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
[Effects of corticosteroids on the synthesis of proteins in the organism] Hanzlik J, et al. *Pol Tyg Lek* 28:2024-7, 17 Dec 73 (25 ref.) (Pol)

POISONING

Adverse reactions in patients with rheumatic diseases. Retrospective analysis of causes of admission and out-patient attendance in a specialist centre. Lee P, et al. *Ann Rheum Dis* 32:565-73, Nov 73

SECRETION

Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. *Am J Physiol* 225:1306-10, Dec 73
Metabolic effects of ACTH in the sheep. Scoggins BA, et al. *Am J Physiol* 226:198-205, Jan 74

THERAPEUTIC USE

Therapeutic effects of corticosteroids in septic shock. Dietzman RH, et al. *Acta Chir Belg* 72:308-30, Jul 73
Chronic hepatitis in children. Alagille D, et al. *Acta Paediatr Scand* 62:566-70, Nov 73
Current therapy of shock. Goldberg LI, et al. *Adv Intern Med* 17:363-78, 1973 (96 ref.)
Metbotrexate therapy in polymyositis. Arnett FC, et al. *Ann Rheum Dis* 32:536-46, Nov 73
Lupus erythematosus and porphyria. Coexistence in seven patients. Cram DL, et al. *Arch Dermatol* 108:779-84, Dec 73
Long-lasting remission of Behcet's disease after chlorambucil therapy. Abdalla MI, et al. *Br J Ophthalmol* 57:706-11, Sep 73
Diseases of the skin. Management of eczema. II. Baker H. *Br Med J* 4:605-7, 8 Dec 73
Coincident salmonella infections and ulcerative colitis: problems of recognition and management. Dronfield MW, et al. *Br Med J* 1:99-100, 19 Jan 74
Editorial: Immunosuppressive therapy in active chronic hepatitis. *Br Med J* 4:441-2, 24 Nov 73
Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. *Cancer* 32:1227-35, Nov 73
Hepatic encephalopathy: current status. Schenker S, et al. *Gastroenterology* 66:121-51, Jan 74 (286 ref.)
Management of the patient with acute stroke. Greer M. *Geriatrics* 28:48-53, Dec 73
Aplastic anemia: a study of 37 cases. Mehta BC, et al. *Indian J Med Sci* 27:440-7, Jun 73
A clinical study of 856 patients with diphtheria. Gupta OK, et al. *Indian J Pediatr* 40:93-101, Mar 73
Letter: Maturational deceleration following treatment with testosterone. Bongiovanni AM. *J Pediatr* 83:1095, Dec 73
Splenectomy, steroids, and dextran 70 in thrombotic thrombocytopenic purpura. Cuttner J. *JAMA* 227:397-402, 28 Jan 74
Symptomatic treatment of adults with bronchial asthma. Richerson HB. *Med Clin North Am* 58:135-45, Jan 74 (30 ref.)
Editorial: Platelet-phagocyte interactions in idiopathic thrombocytopenic purpura. Handin RI. *N Engl J Med* 290:281-2, 31 Jan 74
In vitro platelet phagocytosis by splenic leukocytes in idiopathic thrombocytopenic purpura. McMillan R, et al. *N Engl J Med* 290:249-51, 31 Jan 74
Therapeutic use of corticosteroids in dentistry. A review. Gee JK. *NY State Dent J* 40:89-96, Feb 74
Retroperitoneal fibrosis. Watts HG. *NZ Med J* 79:247-51, 26 Sep 73
Skin and fat atrophy complications of local steroid injection. Di Stefano V, et al. *Fa Med* 77:38, Jan 74
Treatment of superficial burns in the accident department. Acharya BS. *Practitioner* 211:371-2, Sep 73
Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al. *Scand J Rheumatol* 2:113-8, 1973
Sporotrichoid infection due to *Mycobacterium marinum*: lesion exacerbated by corticosteroid infiltration. Aaronson CM, et al. *South Med J* 67:117-8, Jan 74
Editorial: Diffuse proliferative lupus nephritis. Evaluation of therapy. McVicar MI, et al. *Urology* 1:174-6, Feb 73
[Controlled study of mucolytic agent associated with kineotherapy in obstructive lung diseases (author's transl)] Lulling J, et al. *Acta Tuberc Pneumol Belg* 64:74-9, Jan-Feb 73 (Eng. Abstr.) (Fre)
[Choice of antibiotics in stomatology] Péret R.

- Actual Odontostomatol (Paris) 27:9-39, Mar 73 (Eng. Abstr.) (Fre)
- [Adult histiocytosis X with multiple localizations. 6 year course and therapeutic discussion] Batlme J, et al. Ann Med Interne (Paris) 124:591-600, Aug-Sep 73 (Fre)
- [Superficial and suppurative perifolliculitis of the hair-bearing skin] Achten G, et al. Arch Belg Dermatol Syphiligr 29:125-8, Apr-Jun 73 (Eng. Abstr.) (Fre)
- [Use of corticosteroids in toxic shock] Bismuth C. Eur J Toxicol 6:168-70, May-Jun 73 (Eng. Abstr.) (Fre)
- [Treatment of asthma] Van Cauwenberge H. Rev Med Liege 28:322-7, 1 Dec 73 (Fre)
- [Post-traumatic decalcifying algodystrophy of the foot] Crespo LA, et al. Rev Med Suisse Romande 93:581-93, Aug 73 (Fre)
- [Erythrocyte aggregation in nonsmokers, smokers and myocardial infarct patients] Boss N, et al. Blut 27:191-5, Sep 73 (Eng. Abstr.) (Ger)
- [Conservative or operative treatment in acute pancreatitis] Bodner E, et al. Bruns Beltr Klin Chir 220:688-93, Nov 73 (Eng. Abstr.) (Ger)
- [Nitrofurantoin-induced chronic pulmonary fibrosis (author's transl)] Haas W, et al. Dtsch Med Wochenschr 98:1867-71, 5 Oct 73 (Eng. Abstr.) (Ger)
- [Letter: Recurrence of tuberculosis due to corticosteroids] Kalsner H. Dtsch Med Wochenschr 99:26, 4 Jan 74 (Ger)
- [Letter: No corticosteroids in acute herpes zoster] Windischbauer G. Dtsch Med Wochenschr 98:2373, 7 Dec 73 (Ger)
- ["Pempfigus diseases". Nosology, etiopathogenesis and treatment] Misgeld V. Hautarzt 24:372-7, Sep 73 (116 ref.) (Ger)
- [Corrosive injuries of the oesophagus and their treatment (author's transl)] Berald P. HNO 21:284-7, Sep 73 (Eng. Abstr.) (Ger)
- [Experiences with simultaneous perforating keratoplasty and cataract extraction (author's transl)] Sautter H, et al. Klin Monatsbl Augenheilkd 183:290-8, Sep 73 (Eng. Abstr.) (Ger)
- [Treatment of hepatic coma] Franken FH. Med Monatsschr 27:386-9, Sep 73 (23 ref.) (Ger)
- [Principles of rheumatology for the practitioner] Moll W. Med Welt 24:1726-34, 9 Nov 73 (12 ref.) (Ger)
- [Wolman's syndrome] Wolf H, et al. Monatsschr Kinderheilkd 121:697-8, Nov 73 (Ger)
- [Complications of regional anaesthesia and their treatment (author's transl)] Sebbati G, et al. Munch Med Wochenschr 115:1765-6, 12 Oct 73 (Eng. Abstr.) (Ger)
- [Therapy of acute leukemias] Jungl WF. Schweiz Med Wochenschr 103:1310-4, 22 Sep 73 (Eng. Abstr.) (Ger)
- [Clinical demonstration of the action of liver drugs] Einsiedel-Schömer W. Z Allgemeinmed 49:1452-5, 31 Oct 73 (20 ref.) (Ger)
- [Critical reflexions on the use of external corticosteroid combinations (ECC) in skin diseases] Stein E. Z Allgemeinmed 49:1227-33, 20 Sep 73 (Ger)
- [Proceedings: Sputum eosinophilia in chronic-obstructive respiratory tract diseases] Virchow C. Z Erkr Atmungsorgane 138:50-60, 1973 (Ger)
- [Sarcoidosis with intramedullary localization] Salar G, et al. Acta Neurol (Napoli) 28:400-8, Jul-Aug 73 (Ita)
- [Indications and medical therapy of hypoglycemic beta-insular] Patrassi N, et al. Folia Endocrinol (Roma) 28:361-6, Oct 73 (Ita)
- [Adipose dysendocrinia. Clinical case treated by psychotherapeutic methods based on cybernetic features of G. Cipollina Mangiameli] Cipollina Mangiameli G. Minerva Med 64:3761-4, 13 Oct 73 (Eng. Abstr.) (Ita)
- [Therapy of the nephrotic syndrome in children] Linneweb F. Minerva Med 64:4007-9, 27 Oct 73 (Ita)
- [On 3 cases of Weber-Christian syndrome] Molraghi F, et al. Minerva Med 64:4217-23, 10 Nov 73 (Eng. Abstr.) (Ita)
- [Treatment of the aplastic syndrome] Zach J. Minerva Med 64:4009-12, 27 Oct 73 (Ita)
- [Chemotherapy of Hodgkin's disease] Cardinali G, et al. Recent Prog Med (Roma) 55:370-94, Oct 73 (Eng. Abstr.) (Ita)
- [Behçet's disease associated with vascular lesions (Angio-Bebçet's syndrome) (authors' transl)] Urayama A, et al. Acta Soc Ophthalmol Jap 77:1461-7, Sep 73 (Eng. Abstr.) (Jap)
- [Special conditions in the treatment of bronchial asthma in children] Antonsen BJ. Tidsskr Nor Laegeforen 93:2032-5, 30 Sep 73 (Eng. Abstr.) (Nor)
- [Myositis, tendinitis and bursitis in association with mechanical stress diseases and dysfunctional diseases] Husby G. Tidsskr Nor Laegeforen 93:2371-5, 20 Nov 73 (Eng. Abstr.) (Nor)
- [Hyposensitization in bronchial asthma. A follow-up study of patients] Vála IJ, et al. Tidsskr Nor Laegeforen 93:1513-5, 10 Aug 73 (Eng. Abstr.) (Nor)
- [Treatment of rheumatic fever and prophylaxis of bacterial endocarditis in adults] Hoffman M. Kardiolog 16:523-32, 1973 (Pol)
- [Methods of withdrawal of long-term treatment with adrenal cortex in patients with asthma] Obtulowicz K. Pol Tyg Lek 28:1555-8, 1 Oct 73 (Eng. Abstr.) (Pol)
- [Loefgren's syndrome in a 37-year-old woman] Krauze J. Reumatologia 11:371-4, 1973 (Pol)
- [On the residual thyroid tissue after thyroidectomy for diffuse goiter with thyrotoxicosis] Angelescu E, et al. Stud Cercet Endocrinol 24:465-71, 1973 (Rum)
- [Clinical aspects and treatment of puerperal (lactational) mastitis] Gurtovoi BL, et al. Akush Ginekol (Mosk) 49:51-4, Aug 73 (Rus)
- [Corticosteroids in the overall therapy of shock] Liberzon DM, et al. Khirurgiya (Mosk) 49:116-22, Jun 73 (Eng. Abstr.) (Rus)
- [Post-roentgen cheilitis] Abramova EI, et al. Sov Med 36:145, Feb 73 (Rus)
- [Experience in the treatment of nonspecific ulcerative colitis] Karnaukhov VK. Sov Med 36:93-7, May 73 (Eng. Abstr.) (Rus)
- [Diagnosis and treatment of sluggishly running recurrent rheumatic heart disease] Kurmaeva ME, et al. Sov Med 36:70-5, Mar 73 (Eng. Abstr.) (Rus)
- [Complex treatment of patients with severe forms of alopecia areata by using the corticosteroid and anabolic hormones] Skripkin IuK, et al. Sov Med 36:121-3, Feb 73 (Eng. Abstr.) (Rus)
- [Treatment of patients with alopecia areata with steroid hormones in combination with some antimalarials] Skripkin IuK, et al. Sov Med 36:149, Sep 73 (Rus)
- [Asthmatic condition in bronchial asthma and its treatment] Iurenev PN, et al. Ter Arkh 45:31-40, 1973 (Eng. Abstr.) (Rus)
- [Experience with treating the nephrotic syndrome caused by glomerulonephritis] Ratner NA, et al. Ter Arkh 45:82-90, May 73 (Eng. Abstr.) (Rus)
- [Complications of corticosteroid therapy in rheumatological practice] Siniacbenko VV. Ter Arkh 45:38-41, Jan 73 (Eng. Abstr.) (Rus)
- [Effect of complex therapy on the electrolyte metabolism in patients with chronic hepatitis and liver cirrhosis] Rudyk BI. Vrach Delo 9:89-93, Sep 73 (Eng. Abstr.) (Rus)
- [Some etiological and therapeutic aspects of recurrent oral ulcerations] Skarić-Seizova K, et al. Stomatol Glas Srh 20:9-13, Jan-Feb 73 (Eng. Abstr.) (Ser)

URINE

- Radioimmunoassay for aldosterone without chromatography. Vetter W, et al. Acta Endocrinol (Kbh) 74:548-57, Nov 73
- Practical aspects of the use of some psychological tests of anxiety in a situation of stress. Bridges PK. Br J Psychiatry 123:587-96, Nov 73
- Non-specific factors that may influence significance of urinary steroid excretion in breast cancer. Durant JA, et al. Br Med J 4:767-70, 29 Dec 73
- [Functional state of the hypothalamo-hypophyseal-adrenal system in chronic inflammation of the female sex organs] Kuprlianova EM, et al. Akush Ginekol (Mosk) 49:6-8, Mar 73 (Eng. Abstr.) (Rus)
- [Adrenal hormone content in the plasma and urine during treatment with estrogen-gestagen preparations] Rotkina IE. Akush Ginekol (Mosk) 49:63-6, Aug 73 (Rus)

[State of certain endocrine organs in cancer of the cervix uteri] Slepov MI.
Akush Ginekol (Mosk) 49:43-6, Mar 73 (Eng. Abstr.) (Rus)

ALDOSTERONE

Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.
Clin Chem 19:1293-5, Nov 73

ANALYSIS

Radioimmunoassay of aldosterone in plasma and urine: validation of a novel separation technique and a rapid urine assay. Jowett TP, et al.
Clin Sci Mol Med 45:607-23, Nov 73

ANTAGONISTS & INHIBITORS

Effect of inhibitors of RNA and protein synthesis on the aldosterone Na⁺ transport response in toad bladder. Frith DA, et al.
Experientia 29:1200-1, 15 Oct 73
[Mechanism of action of diuretics of the anti-aldosterone type] Rorive GL.
Acta Cardiol (Brux) Suppl 17:291-3, 1973 (Eng. Abstr.) (Fre)

[Use of aldactone and veroshpiron in complex therapy of patients with circulation disorders] Bezborod'ko BN, et al. Ter Arkh 45:84-6, Jan 73 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

The renin-aldosterone system in mother and fetus at term. Katz FH, et al.
Am J Obstet Gynecol 118:51-5, 1 Jan 74
Impaired renin responsiveness with secondary hypoaldosteronism. Gossain VV, et al.
Arch Intern Med 132:885-90, Dec 73
A study on the role of pituitary ACTH in the aldosterone production of sodium depleted rats. Debreceni L, et al. Endokrinologie 61:293-6, May 73
[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
[Functional activity of the adrenal cortex autotransplant in Itsenko-Cushing's disease following bilateral total adrenalectomy] Goncharova VN, et al. Probl Endokrinol (Mosk) 19:35-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

BLOOD

Radioimmunoassay for aldosterone without chromatography. 2. Determination of plasma aldosterone. Vetter W, et al.
Acta Endocrinol (Kbh) 74:558-67, Nov 73
The renin-aldosterone system in mother and fetus at term. Katz FH, et al.
Am J Obstet Gynecol 118:51-5, 1 Jan 74
Brain receptors, renin secretion, and renal sodium retention in conscious sheep. Mouw DR, et al.
Am J Physiol 226:56-62, Jan 74
Editorial views: Non-respiratory functions of the lung. Marshall BE. Anesthesiology 39:573-4, Dec 73
Systems analysis of arterial pressure regulation and hypertension. Guyton AC, et al.
Ann Biomed Eng 1:254-81, Dec 73
Pharmacokinetic consequences of plasma protein binding of drugs. Schoenemann PT, et al.
Ann NY Acad Sci 226:162-71, 26 Nov 73
Impaired renin responsiveness with secondary hypoaldosteronism. Gossain VV, et al.
Arch Intern Med 132:885-90, Dec 73
Sensitization of the adrenal cortex to angiotensin II in sodium-deplete man. Oelkers W, et al.
Circ Res 40:69-77, Jan 74
Radioimmunoassay of aldosterone in plasma and urine: validation of a novel separation technique and a rapid urine assay. Jowett TP, et al.
Clin Sci Mol Med 45:607-23, Nov 73
Microdetermination of adrenocortical steroids by double isotope method. 3. Distribution and incorporation of corticosteroids into human blood cell fractions. Kunugi A, et al.
Endocrinol Jap 20:397-405, Aug 73
Effect of volume expansion by hyperosmolar and

hyperoncotic solutions under constant infusion of angiotensin II on plasma aldosterone in man and its counterbalance by potassium administration.
Birkhäuser M, et al. Eur J Clin Invest 3:307-16, Jul 73
Proceedings: A comparison of the effects of alpha 1-24 adrenocorticotrophin Zn (Tetracosactrin depot) and of substituted alpha 1-18 adrenocorticotrophin on adrenocortical function in normal subjects. Irvine WJ, et al. J Endocrinol 59:xxxix-xxx, Nov 73
Proceedings: Plasma aldosterone concentration in the newborn guinea-pig. Malinowska KW, et al.
J Endocrinol 59:xxxii, Nov 73
The assay of corticosterone, aldosterone, cortisone and cortisol in single plasma samples obtained from foetal and neonatal animals. Malinowska KW, et al.
J Physiol (Lond) 233:20P-22P, Aug 73
Hypertension and secondary hyperaldosteronism associated with a renin-secreting renal juxtaglomerular-cell tumour. Brown JJ, et al.
Lancet 2:1228-32, 1 Dec 73
Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R.
Metabolism 22:1525-45, Dec 73 (176 ref.)
Plasma renin activity and aldosterone in familial dysautonomia. Rabinowitz D, et al.
Metabolism 23:1-5, Jan 74
Renal function in dogs with hypertension induced by immunologic nephritis. Selkurt EE, et al.
Proc Soc Exp Biol Med 144:295-303, 1 Oct 73
[Electrolytes and arterial hypertension] Reubi F.
Acta Cardiol (Brux) Suppl 17:180-8, 1973 (Eng. Abstr.) (Fre)
[Plasma aldosterone in a patient with primary aldosteronism during and after adenoma excision] Vetter H, et al.
Dtsch Med Wochenschr 98:2420-1, 14 Dec 73 (Ger)
[Adrenal gland carcinoma with mineralocorticoidism, increased plasma-renin activity and normal plasma aldosterone] Rössler R, et al.
Med Welt 24:1644-7, 26 Oct 73 (Ger)
[Endocrinological aspects of the effect of lithium on human organism (author's transl)] Rybakowski J.
Przegl Lek 30:739-42, 1973 (45 ref.) (Pol)

METABOLISM

Impaired renin responsiveness with secondary hypoaldosteronism. Gossain VV, et al.
Arch Intern Med 132:885-90, Dec 73
Physiology of body fluids and electrolytes. Bradbury MW. Br J Anaesth 45:937-44, Sep 73 (37 ref.)
Editorial: Nourishment in illness.
Br J Anaesth 45:935-6, Sep 73
Whole mammary gland organ culture: selection of appropriate gland. Banerjee MR, et al.
In Vitro 9:129-33, Sep-Oct 73
Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. J Endocrinol 59:ii-ix, Nov 73
On the mechanism of suppressed plasma-renin activity during beta-adrenergic blockade with propranolol. Bravo EL, et al. J Lab Clin Med 83:119-28, Jan 74
[Physiopathology of water-electrolyte disorders in cardiac insufficiency] Guedon J, et al.
Acta Cardiol (Brux) Suppl 17:25-40, 1973 (Eng. Abstr.) (Fre)
[Binding of H³-aldosterone with isolated cell nuclei of rat kidney and brain during aldosterone secretion of different intensity] Shui'ga VA, et al.
Dokl Akad Nauk SSSR 213:452-4, 11 Nov 73 (Rus)

PHARMACODYNAMICS

The role of magnesium and substances promoting the transport of electrolytes. Heidland A, et al.
Acta Cardiol (Brux) Suppl 17:52-75, 1973
Effect of drinking saline on renal responses to aldosterone. Marwood JF, et al.
Aust J Exp Biol Med Sci 51:549-52, Aug 73
Histone acetylation and hormone action. Early effects of aldosterone on histone acetylation in rat kidney. Libby PR. Biochem J 134:907-12, Aug 73
Effect of inhibitors of RNA and protein synthesis on the aldosterone Na⁺ transport response in toad bladder. Frith DA, et al.
Experientia 29:1200-1, 15 Oct 73
Proceedings: Evidence for translational control of protein synthesis as part of the mechanism of aldosterone action in toad bladder. Frith DA, et al.
J Endocrinol 59:xxxix-xxxii, Nov 73

Proceedings: Control of active ion and water transfer in the chicken rectum: in-vitro effects of aldosterone. Thomas DH. *J Endocrinol* 59:33, Nov 73

The effect of D-aldosterone and spironolactone on the concentration of sodium and potassium in the milk of rats. Yagil R, et al. *J Endocrinol* 59:633-6, Dec 73

Factors affecting the antidiuretic actions of the 18-monoacetate of (+)-aldosterone and of a substance secreted by eart muscle, in rats. Lockett MF. *J Pharm Pharmacol* 25:690-9, Sep 73

Ultrastructural observations on the aldosterone-stimulated toad urinary bladder epithelium-ATPase activity. Laird R, et al. *J Ultrastruct Res* 44:339-46, Sep 73

[Mechanism of action of diuretics of the anti-aldosterone type] Rorive GL. *Acta Cardiol (Brux) Suppl* 17:291-3, 1973 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Anaesthesia, surgery and renal function: immediate and delayed effects. Cousins MJ, et al. *Anaesth Intensive Care* 1:355-73, Aug 73 (113 ref.)

The pathophysiology of renin. Berman LB, et al. *Clin Symp* 25:1-35, 1973 (11 ref.)

Prolactin and electrolyte balance. Manku MS, et al. *East Afr Med J* 50:366-9, Jul 73

Relation between pressure and sodium excretion in perfused kidneys from rabbits with experimental hypertension. Thompson JM, et al. *Lancet* 2:1362-3, 15 Dec 73

Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)

[Renin-aldosterone system and circadian variation of urinary electrolyte excretion] Kunita H, et al. *Clin Endocrinol (Tokyo)* 21:831-7, Aug 73 (Jap)

[Renal component of the antigravity function of the organism] Belkanlia GS. *Koam Biol Med* 6:8-13, Nov-Dec 72 (60 ref.) (Eng. Abstr.) (Rus)

SECRETION

Effect of potassium loading in vivo on steroid production in vitro by the quartered adrenal and the adrenal capsule of the rat. Solyom J, et al. *Acta Physiol Acad Sci Hung* 43:19-26, 1973

A correlation study between adrenal function and the duration of sustained ACTH treatments in the rat. Lantos CP, et al. *Acta Physiol Lat Am* 23:277-87, Apr 73

Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. *Am J Physiol* 225:1306-10, Dec 73

Brain receptors, renin secretion, and renal sodium retention in conscious sheep. Mouw DR, et al. *Am J Physiol* 226:56-62, Jan 74

Metabolic effects of ACTH in the sheep. Scoggins BA, et al. *Am J Physiol* 226:198-205, Jan 74

Sensitization of the adrenal cortex to angiotensin II in sodium-deplete man. Oelkers W, et al. *Circ Res* 40:69-77, Jan 74

The brain and sodium homeostasis. Denton DA. *Cond Reflex* 8:125-46, Jul-Sep 73

Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73

Letter: Esoteric role of insulin in aldosterone secretion. DiNicola AF. *N Engl J Med* 290:109-10, 10 Jan 74

[Renin-secreting tumors] Hayduk K. *Dtsch Med Wochenschr* 98:1874-7, 5 Oct 73 (30 ref.) (Ger)

[Binding of H³-aldosterone with isolated cell nuclei of rat kidney and brain during aldosterone secretion of different intensity] Shul'ga VA, et al. *Dokl Akad Nauk SSSR* 213:452-4, 11 Nov 73 (Rus)

URINE

Radioimmunoassay for aldosterone without chromatography. Vetter W, et al. *Acta Endocrinol (Kbh)* 74:548-57, Nov 73

Renin-secreting Wilms' tumor with severe hypertension. Report of a case and brief review of renin-secreting tumors. Ganguly A, et al. *Ann Intern Med* 79:835-7, Dec 73

Radioimmunoassay of aldosterone in plasma and urine:

validation of a novel separation technique and a rapid urine assay. Jowett TP, et al. *Clin Sci Mol Med* 45:607-23, Nov 73

Treatment of low-renin essential hypertension. Comparison of spironolactone and a hydrochlorothiazide-triamterene combination. Douglas JG, et al. *JAMA* 227:518-21, 4 Feb 74

Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)

Sodium conservation after total or Sub-total colonic resection in children. Ricour C, et al. *Scand J Gastroenterol* 8:743-50, 1973

ANDROSTERONE

ANALYSIS

Use of chloromethylsilyl ether derivatives for the determination of hydroxylated steroids by gas chromatography-mass spectrometry. Chapman JR, et al. *Anal Chem* 45:1636-41, Aug 73

Ferric chloride-impregnated silica gel for thin-layer chromatography of steroids. Shapiro DR, et al. *Clin Chem* 19:1305-6, Nov 73

BLOOD

Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrlove JL, et al. *J Urol* 110:710-3, Dec 73

METABOLISM

Detection of (3H)5 alpha-androstane-3 alpha,17 beta-diol and 3H17 beta hydroxy-5 alpha-androstan-3-one in mouse testes following administration of (3H) testosterone. Kasal H, et al. *Acta Endocrinol (Kbh)* 74:177-85, Sep 73

Progesterone metabolism in vitro by mouse testes at different stages of development. Tsujimura T, et al. *Endocrinology* 91:288-90, Jan 74

The metabolism of testosterone by human skin in disorders of hair growth. Jenkins JS, et al. *J Endocrinol* 59:345-51, Nov 73

The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossier G, et al. *J Reprod Fertil* 36:169-76, Jan 74

The effect of thiazide diuretics on placental function. Shoemaker ES, et al. *Tex Med* 69:109-15, Oct 73

SECRETION

Misdiagnosis of endometrial adenoacanthoma in a 27-year old woman with adrenocortical tumor. Grattarola R. *Oncology* 28:246-52, 1973

URINE

Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy. Shackleton CH, et al. *Acta Endocrinol (Kbh)* 74:157-67, Sep 73

Basic results of a study of bilateral adrenalectomy for advanced breast cancer. Urinary steroids and related data in 148 patients. Sarfaty G, et al. *Med J Aust* 2:877-81, 10 Nov 73

[Preliminary report on clinical, biochemical, and anatomical investigations of boys with undescended testes (author's transl)] Jendricke K, et al. *Monatsschr Kinderheilkd* 121:634-5, Oct 73 (Eng. Abstr.) (Ger)

BETAMETHASONE

ADMINISTRATION & DOSAGE

Betamethasone 17-valerate by aerosol in childhood asthma. Frears JF, et al. *Arch Dis Child* 48:856-63, Nov 73

The anti-infective action of a new steroid-base combination (flucorolone acetone in FAPG base) with conventional antimicrobial substances. Rhodes EL, et al. *Curr Med Res Opin* 1:87-92, 1972

Adrenocortical responsiveness after long-term corticosteroid therapy in childhood nephrosis. Kobayashi A, et al. *Helv Paediatr Acta* 28:341-8, Oct 73

Modification of 1-tyrosine-induced keratopathy by adrenal corticosteroids. Burns RP, et al. *Invest Ophthalmol* 13:39-45, Jan 74

Topical corticosteroids: a comparison in the treatment of eczema and psoriasis in general practice. Marks JH, et al. *J R Coll Gen Pract* 23:225-7, Mar 73
 [Topical treatment of selected skin and mucosal diseases with betamethasone 17-valerate]
 Michalowski R, et al.
Pol Tyg Lek 28:1822-4, 12 Nov 73 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

Editorial: Perioral dermatitis.
Med J Aust 2:666-7, 6 Oct 73

PHARMACODYNAMICS

Effects of betamethasone of 50Fe incorporation into bemic and non bemic fractions in the femur and spleen of mice. Teruel JE, et al.
Acta Physiol Lat Am 23:305-9, Apr 73
 Experimental investigations on interactions between gentamicin and betamethasone dipropionate. Raab W. *Australas J Dermatol* 14:83-90, Aug 73
 Corticosteroids and the initiation of parturition in the human. Matl JK. *East Afr Med J* 50:462-5, Aug 73
 Adrenocortical responsiveness after long-term corticosteroid therapy in childhood nephrosis. Kobayashi A, et al. *Helv Paediatr Acta* 28:341-8, Oct 73
 Influence of adrenalectomy and beta-methasone on the composition of liver cell membrane. Elert O, et al. *Steroids Lipids Res* 4:65-75, Mar 73

THERAPEUTIC USE

Betamethasone 17-valerate by aerosol in childhood asthma. Frears JF, et al.
Arch Dis Child 48:856-63, Nov 73
 The anti-infective action of a new steroid-base combination (fluclorolone acetate in FAPG base) with conventional antimicrobial substances. Rhodes EL, et al. *Curr Med Res Opin* 1:87-92, 1972
 Adrenocortical responsiveness after long-term corticosteroid therapy in childhood nephrosis. Kobayashi A, et al. *Helv Paediatr Acta* 28:341-8, Oct 73
 Modification of 1-tyrosine-induced keratopathy by adrenal corticosteroids. Burns RP, et al.
Invest Ophthalmol 13:39-45, Jan 74
 Giant cell arteritis—the need for prolonged treatment. Beevers DG, et al. *J Chronic Dis* 26:571-84, Sep 73
 [Topical treatment of selected skin and mucosal diseases with betamethasone 17-valerate]
 Michalowski R, et al.
Pol Tyg Lek 28:1822-4, 12 Nov 73 (Eng. Abstr.) (Pol)

CORTICOSTERONE

Isolation of cytoplasmic glucocorticoid-binding protein(s) from rat liver by means of affinity chromatography, and its partial characterization. Wong KC, et al.
Biochim Biophys Acta 328:133-44, 11 Nov 73
 Sensitization of the adrenal cortex to angiotensin II in sodium-deplete man. Oelkers W, et al.
Circ Res 40:69-77, Jan 74
 Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.
Clin Chem 19:1293-5, Nov 73

ANALYSIS

Suppressive effect of dexamethasone on morphine-induced adrenocorticoidogenesis in rat. Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73

BIOSYNTHESIS

Effects of steroid suppression and gonadectomy on adrenal 5 α -reductase activity and corticosterone production in rats. Colby HD, et al.
Acta Endocrinol (Kbh) 74:568-75, Nov 73
 Effect of chronic treatment with ACTH on 11 beta-hydroxylation in rat adrenal mitochondria. De Nicola AF. *Acta Physiol Lat Am* 23:178-82, 1973
 The in vivo effect of indomethacin and prostaglandin E₂ on ACTH and DBCAMP-induced steroidogenesis in hypophysectomized rats. Gallant S, et al.
Biochem Biophys Res Commun 55:831-6, 10 Dec 73
 Adrenocorticotrophic hormone and dibutyl adenosine cyclic monophosphate-mediated Ca²⁺ uptake by rat

adrenal glands. Leier DJ, et al.
Biochim Biophys Acta 329:196-210, 5 Dec 73
 Suppressive effect of dexamethasone on morphine-induced adrenocorticoidogenesis in rat. Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73
 A study on the role of pituitary ACTH in the aldosterone production of sodium depleted rats. Debrecenti L, et al. *Endokrinologie* 61:293-6, May 73
 Adrenocorticotropin. 45. Synthesis and steroidogenic activity of
 (1-alanine)adrenocorticotropin-(1-20)-amide, (1-D-alanine)adrenocorticotropin-(1-20)-amide, and (1-14C)alanine)adrenocorticotropin-(1-20)-amide.
 Blake J, et al. *J Med Chem* 17:233-5, Feb 74
 [Functional activity of the adrenal cortex autotransplant in Itsenko-Cushing's disease following bilateral total adrenalectomy] Goncharova VN, et al. *Probl Endocrinol (Mosk)* 19:35-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

BLOOD

Complex antithyroid properties of the lithium ion. A study in rats. Männistö PT, et al.
Acta Endocrinol (Kbh) 74:492-500, Nov 73
 Effect of acute exposure to cold on blood thyrotrophin (TSH) and corticosterone concentrations in the rabbit. Leppäluoto J, et al.
Acta Physiol Scand 89:423-8, Nov 73
 Alterations of barbiturate action following 1,1-dichloroethylene, corticosterone, or acrolein. Jaeger RJ, et al.
Arch Int Pharmacodyn Ther 205:281-92, Oct 73
 The in vivo effect of indomethacin and prostaglandin E₂ on ACTH and DBCAMP-induced steroidogenesis in hypophysectomized rats. Gallant S, et al.
Biochem Biophys Res Commun 55:831-6, 10 Dec 73
 Microdetermination of adrenocortical steroids by double isotope method. 3. Distribution and incorporation of corticosteroids into human blood cell fractions. Kunugi A, et al.
Endocrinol Jap 20:397-405, Aug 73
 Suppressive effect of dexamethasone on morphine-induced adrenocorticoidogenesis in rat. Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73
 The site of the suppressive action of dexamethasone on pituitary-adrenal activity. Kloet ER de, et al.
Endocrinology 91:61-73, Jan 74
 Effect of time of administration of an inflammatory agent on plasma corticosterone and haptoglobin levels in the rat. Szafarczyk A, et al.
Endocrinology 91:284-7, Jan 74
 The uptake of corticosterone-4-¹⁴C by rat tissues during the postnatal ontogenesis. Macho L, et al.
Endokrinologie 61:365-71, Jun 73
 Changes in adipose tissue and heart lipoprotein lipase activities and in serum glucose, insulin and corticosterone concentrations in rats adapted to a daily meal. Gasquet P de, et al.
Horm Metab Res 5:440-3, Nov 73
 Plasma ACTH in the adrenalectomized rat. Mims RB. *Horm Metab Res* 5:368-71, Sep 73
 The mechanism of trauma-induced inhibition of insulin release. Vigaš M, et al. *Horm Metab Res* 5:322-4, Sep 73
 Proceedings: Plasma corticosterone levels during pregnancy in the mouse. Barlow SM, et al.
J Endocrinol 59:xxx1, Nov 73
 Circadian periodicity of pituitary-adrenal function after p-chlorophenylalanine administration in the rat. Delft AM van, et al. *J Endocrinol* 59:465-74, Dec 73
 Progesterone concentrations in the peripheral plasma of the blue fox (*Alopex lagopus*) during pregnancy and the oestrous cycle. Møller OM.
J Endocrinol 59:429-38, Dec 73
 The assay of corticosterone, aldosterone, cortisone and cortisol in single plasma samples obtained from foetal and neonatal animals. Malinowska KW, et al.
J Physiol (Lond) 233:20P-22P, Aug 73
 Plasma corticosteroids in infants with the respiratory distress syndrome. Baden M, et al.
Pediatrics 52:782-7, Dec 73
 Prolonged rupture of membranes associated with a decreased incidence of respiratory distress syndrome. Bauer CR, et al. *Pediatrics* 53:7-12, Jan 74
 Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al.
Physiol Behav 11:787-90, Dec 73
 Some physiological responses of turkeys selected for high and low adrenal response to cold stress. Brown KI, et al. *Poult Sci* 52:1948-54, Sep 73

Plasma concentrations of insulin, corticosterone, lipids and sugars in rats fed on meals with glucose and fructose. Bruckdorfer KR, et al.

Proc Nutr Soc 32:12A-13A, May 73

Adrenal function in female rats before puberty: the effects of gonadectomy. Ramaley JA. Steroids 22:597-608, Nov 73

[On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al.

J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)

[Proceedings: Clinical-biochemical parallels in the indication for hormone therapy in pulmonary tuberculosis] Bartmanow NJ.

Z Erkr Atmungsorgane 138:100-3, 1973 (Ger)

[Effect of protein malnutrition and of kennel-keeping conditions on the function of the adrenal cortex in broilers] Weiss J. Z Tierphysiol 32:42-51, Sep 73 (Ger)

[Behavior of plasmatic 11-hydroxycorticoids after the suppression test with dexamethasone in congestive cardiac insufficiency] Timlo M, et al.

Folia Endocrinol (Roma) 26:321-31, Aug 73 (Eng. Abstr.) (Ita)

[Sex differences in glucocorticoid functions in rats] Volcsek AG. Biol Nauki 120:33-6, 1973 (Rus)

ISOLATION & PURIFICATION

The use of antisera covalently coupled to agarose, cellulose and sephadex in radioimmunoassay systems for proteins and baptnens. Bolton AE, et al. Biochim Biophys Acta 329:318-30, 5 Dec 73

METABOLISM

The influence of overcrowding on spermatogenesis, size of Leydig-cell nuclei (histometrical investigation), and the adrenal corticosterone contents in mice. Gärtner K, et al.

Acta Endocrinol (Kbh) 74:783-91, Dec 73

Biological activity of corticotrophin peptides with homo-arginine, lysine or ornithine substituted for arginine in position 8. Tesser GI, et al.

Acta Endocrinol (Kbh) 74:56-66, Sep 73

The uptake of corticosterone-4-¹⁴C by rat tissues during the postnatal ontogenesis. Macho L, et al. Endokrinologie 61:365-71, Jun 73

Regulation of steroidogenesis by adrenocorticotrophic hormone in isolated adrenal cells of rats. Sharma RK. J Biol Chem 248:5473-6, 10 Aug 73

Influence of the adrenal gland on prostatic activity in adult rats. Mobbs BG, et al. J Endocrinol 59:335-44, Nov 73

Effects of corticosterone on phosphorylation of rat liver nuclear proteins in vitro. Bottoms GD, et al. Proc Soc Exp Biol Med 144:83-8, 1 Oct 73

PHARMACODYNAMICS

Correlation between hypothalamic serotonin content and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermes I, et al.

Acta Physiol Acad Sci Hung 43:33-42, 1973

Alterations of barbiturate action following 1,1-dichloroethylene, corticosterone, or acrolein. Jaeger RJ, et al.

Arch Int Pharmacodyn Ther 205:281-92, Oct 73

Proceedings: Inhibition of accumulation of adrenaline and noradrenaline in arterial smooth muscle by steroids. Nicol CJ, et al.

Br J Pharmacol 44:361P-362P, Feb 72

The Banting Memorial Lecture 1973: Islet differentiation, organ culture, and transplantation. Lazarow A, et al. Diabetes 22:877-912, Dec 73 (102 ref.)

Influence of the adrenal glands on the stalic acid content of submaxillary and retrolingual glands in the rat. Curbelo HM, et al.

J Dent Res 52:1265-7, Nov-Dec 73

Steroid-induced nuclear binding of glucocorticoid receptors in intact hepatoma cells. Rousseau GG, et al. J Mol Biol 79:539-54, 25 Sep 73

Letter: Effect of various steroids and ACTH on methypyrion plasma levels and sleeping time in rats. Kourounakis P, et al.

J Pharm Pharmacol 25:670-2, Aug 73

Effect of various steroids and ACTH on distribution of zoxazolamine in rats. Kourounakis P, et al. J Pharm Sci 62:1946-9, Dec 73

Pharmacodynamic interactions among gluco-

mineralo- and glucomineralocorticoids, pregnenolone-16alpha-carbonitrile and various drugs. Szabo S, et al. J Pharmacol Exp Ther 188:45-54, Jan 74

Proceedings: Stimulation of rat hypothalamus in vitro. Bradbury MW, et al.

J Physiol (Lond) 234:74P-75P, Oct 73

Adrenocortical influences upon the extinction of an appetitive runway response. Hennessy JW, et al. Physiol Behav 11:767-70, Dec 73

Effects of corticosterone on phosphorylation of rat liver nuclear proteins in vitro. Bottoms GD, et al. Proc Soc Exp Biol Med 144:83-8, 1 Oct 73

[Free and membrane-bound ribosomes in rat liver: daily rhythm and hormonal influences (author's transl)] Dieminger L. Z Naturforsch [C] 28:66-71, Jan-Feb 73 (Eng. Abstr.) (Ger)

SECRETION

Effect of potassium loading in vivo on steroid production in vitro by the quartered adrenal and the adrenal capsule of the rat. Solyom J, et al.

Acta Physiol Acad Sci Hung 43:19-26, 1973

Correlation between hypothalamic serotonin content and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermes I, et al.

Acta Physiol Acad Sci Hung 43:33-42, 1973

A correlation study between adrenal function and the duration of sustained ACTH treatments in the rat. Lantos CP, et al.

Acta Physiol Lat Am 23:277-87, Apr 73

Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. Am J Physiol 225:1306-10, Dec 73

Metabolic effects of ACTH in the sheep. Scoggins BA, et al. Am J Physiol 226:198-205, Jan 74

Two ACTH species in rat pituitary gland. Lang RE, et al. FEBS Lett 37:197-9, 1 Dec 73

Ionic dependence of adrenal steroidogenesis and ACTH-induced changes in the membrane potential of adrenocortical cells. Matthews EK, et al.

J Physiol (Lond) 234:43-64, Oct 73

A comparison of the pituitary adrenal activity elicited by electrical stimulation of preoptic, amygdaloid and hypothalamic sites in the rat brain. Redgate ES, et al. Neuroendocrinology 12:334-43, 1973

[On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al.

J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Acne vulgaris. Cunliffe WJ. Br Med J 4:667-9, 15 Dec 73 [Histomorphological changes in the skin in Duhring's herpetiform dermatitis] Zertsalova GN.

Vestn Dermatol Venerol 47:53-5, Jul 73 (Eng. Abstr.) (Rus)

URINE

Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy. Shackleton CH, et al.

Acta Endocrinol (Kbh) 74:157-67, Sep 73

Non-specific factors that may influence significance of urinary steroid excretion in breast cancer. Durant JA, et al. Br Med J 4:767-70, 29 Dec 73

CORTISONE

A comparison of three in vivo assays for cell tumorigenicity. Petricciani JC, et al.

Cancer Res 34:105-8, Jan 74

Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.

Clin Chem 19:1293-5, Nov 73

The allogeneic affect in vitro: activation of antibody synthesis in aggressor and target lymphocyte populations by allogeneic interaction. Möller G, et al. Eur J Immunol 3:703-7, Nov 73

[Morphology and histochemistry of the insular apparatus in experimental guinea pig steroid diabetes, especially under actinomycin D influence] Schmidt-Wiederkehr P. Endokrinologie 61:237-50, May 73 (Eng. Abstr.) (Ger)

ADMINISTRATION & DOSAGE

- Cell-mediated immune responses in vitro. V. A comparative study of in vitro immunogenicity of splenic lymphocytes, neoplastic lymphoid cells and fibroblasts. Wagner H, et al.
Eur J Immunol 3:549-55, Sep 73
- Sensitivity of embryos and intraspecies differences in mice in response to prenatal administration of corticoids. Dostál M, et al. *Teratology* 8:245-52, Dec 73
- [Studies on insulinaemia following acute pancreatitis (author's transl)] Szybiński Z, et al.
Przegl Lek 30:892-8, 1973 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

- Mexican arthritis clinics. A statement by the Committee on Rheumatic Diseases of the Minnesota State Medical Association. *Minn Med* 56:991-3, Nov 73
- Effect of vasopressin administration on renal haemodynamic changes in rats treated with ACTH. László FA, et al.
Res Exp Med (Berl) 161:195-202, 22 Oct 73
- [On the treatment of toxic epidermal necrolysis (Lyell syndrome) (author's transl)] Gutzwiller P, et al. *Dermatologica* 147:1-5, 1973 (Eng. Abstr.) (Ger)
- [Uncleared problems in angle block glaucoma (author's transl)] Leydhecker W.
Klin Monatsbl Augenheilkd 163:303-8, Sep 73 (Eng. Abstr.) (Ger)

ANALYSIS

- Analysis of adrenocortical steroids in pharmaceutical preparations by high-pressure liquid-liquid chromatography. Olson MC.
J Pharm Sci 62:2001-7, Dec 73

BIOSYNTHESIS

- [Transformation of the Reichstein "S" substance 21-acetate into hydrocortisone and cortisone acetate using the fungus *Tieghemella orchidis*] Mogil'nitskii GM, et al.
Prikl Biokhim Mikrobiol 9:240-5, Mar-Apr 73 (Eng. Abstr.) (Rus)

BLOOD

- Microdetermination of adrenocortical steroids by double isotope method. 3. Distribution and incorporation of corticosteroids into human blood cell fractions. Kunugi A, et al.
Endocrinol Jap 20:397-405, Aug 73
- Proceedings: Plasma aldosterone concentration in the newborn guinea-pig. Mallinowska KW, et al.
J Endocrinol 59:xxxii, Nov 73
- The assay of corticosterone, aldosterone, cortisone and cortisol in single plasma samples obtained from foetal and neonatal animals. Mallinowska KW, et al.
J Physiol (Lond) 233:20P-22P, Aug 73
- Plasma corticosteroids in infants with the respiratory distress syndrome. Baden M, et al.
Pediatrics 52:782-7, Dec 73
- [Functional state of the adrenal cortex and immunological reaction of the body to smallpox vaccination in children with allergic diathesis] Drinevskii VP.
Pediatrila 52:44-7, Apr 73 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

- [Studies on insulinaemia following acute pancreatitis (author's transl)] Szybiński Z, et al.
Przegl Lek 30:802-8, 1973 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

- Physiology of mast cells. IV. Role of blood transport in the transformation of mast cells. Csaba G, et al.
Acta Biol Acad Sci Hung 23:369-76, 1972
- Effects of steroid suppression and gonadectomy on adrenal 5 α -reductase activity and corticosterone production in rats. Colby HD, et al.
Acta Endocrinol (Kbh) 74:568-75, Nov 73
- The hormonal control of ribonuclease activity in the lymphatic tissue of mice. Maor D, et al.
Acta Endocrinol (Kbh) 74:201-8, Sep 73
- Effect of dose and administration period of growth hormone on longitudinal bone growth in the

- hypophysectomized rat. Thorngren KG, et al.
Acta Endocrinol (Kbh) 74:1-23, Sep 73
- Effect of adrenalectomy and cortisone treatment of 5-hydroxytryptophane decarboxylase and monoamine-oxidase activity of rat tissue. Csaba B, et al.
Acta Physiol Acad Sci Hung 42:327-31, 1972
- Development and evaluation of a direct fluorescent antibody method for the diagnosis of *Pneumocystis carinii* infections in experimental animals. Lim SK, et al.
Appl Microbiol 26:666-71, Nov 73
- The effect of ACTH and cortisone on gastric acid mucosubstances in rats. Kozłowska K.
Digestion 9:241-7, Oct 73
- Mitogenic properties of the thymus-independent antigen pneumococcal polysaccharide S3. Coutinho A, et al.
Eur J Immunol 3:608-13, Oct 73
- Studies of anti-inflammatory drugs and aliphatic alcohols on antral mucosa. Cooke AR, et al.
Gastroenterology 66:56-62, Jan 74
- Prenatal hormones and human behavior. Ehrhardt AA, et al.
Ill Med J 141:386-9, Apr 73
- Relationship of BCG-induced pulmonary delayed hypersensitivity to accelerated granuloma formation in rabbit lungs: effect of cortisone acetate. Moore VL, et al.
Infect Immun 7:764-70, May 73
- The effects of cortisone acetate on tissue regeneration in the rabbit's ear. Joseph J, et al.
J Anat 115:445-60, Sep 73
- Graft-vs.-host reaction in tissue culture. Auerbach R, et al.
J Exp Med 138:1506-20, 1 Dec 73
- Combined neoplastic effects of vaccinia virus and 3-methylcholanthrene. 3. Susceptibility and resistance in transplanted mouse skin. Duran-Reynals ML, et al.
J Natl Cancer Inst 51:1597-601, Nov 73
- Letter: Effect of steroids on CSF flow. García-Bengochea F. *J Neurosurg* 40:279-80, Feb 74
- Letter: Auto-rosette formation by human thymocytes and lymphocytes. Sandilands G, et al.
Lancet 1:27-8, 5 Jan 74
- Reaction of human smooth muscle antibody with thymus medullary cells. Fagraeus A, et al.
Nature [New Biol] 246:113-5, 28 Nov 73
- Intestinal lactase activity in the suckling rat: influence of hypophysectomy and thyroidectomy. Yeh K, et al.
Science 183:77-9, 11 Jan 74
- Elicitation of selective T and B lymphocyte responses by cell surface binding ligands. Greaves M, et al.
Transplant Rev 11:87-130, 1972 (172 ref.)
- Phytohemagglutinin and concanavalin A: probes for murine T_H cell activation and differentiation. Stobo JD. *Transplant Rev* 11:60-86, 1972 (95 ref.)
- [Stimulation of cortisone and radioresistant mouse lymphoid cells in vitro by phytohemagglutinin-P (PHA), pokeweed mitogen (PWM) and concanavalin A (Con A)] Rühl H, et al.
Klin Wochenschr 51:1026-7, 15 Oct 73 (Eng. Abstr.) (Ger)
- [Experimental studies of the relationships between critical mass and immunological defense in Walker's tumor in rats] Sforza M, et al.
Minerva Chir 28:1501-7, 30 Nov 73 (Eng. Abstr.) (Ita)
- [Hypotensive effect of intravenous propanidol. 1. Effect of preadministration of antihistaminics and glucocorticoids] Saito T, et al.
Jap J Anesthesiol 22:882-8, Sep 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

- Kinetics of multinucleate giant cell formation and their modification by various agents in foreign body reactions. Papadimitriou JM, et al.
Am J Pathol 73:349-64, Nov 73
- Treatment of esophageal stricture complicated by sudden death. Howard JT.
Ann Otol Rhinol Laryngol 82:805-8, Nov-Dec 73
- Aspiration pneumonia: a review. Herschberg S. *J Am Osteopath Assoc* 73:296-9, Dec 73 (15 ref.)
- Collaborative study of the effects of human growth hormone in growth hormone deficiency. II. Development and significance of antibodies to human growth hormone during the first year of therapy. Fraser SD, et al.
J Clin Endocrinol Metab 38:14-8, Jan 74
- Induction of leukemoid disease in mice by *Mycoplasma fermentans*. Plata EJ, et al.
J Infect Dis 128:588-97, Nov 73
- Ischiogluteal bursitis. The pain in the arse. Swartout R, et al.
JAMA 227:551-2, 4 Feb 74
- Neurotransmitting substances and endotoxin response

ADRENAL

in relation to hepatic enzyme induction. Agarwal MK. *Pathol Microbiol (Basel)* 40:54-62, 1974

Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)

[Clinical study of uch 3983 in pediatric (author's transl)] Goffart P. *Acta Paediatr Belg* 27:257-62, 1973 (Eng. Abstr.) (Fre)

[Diagnosis and treatment of hypercalcemia] Verhanck M, et al. *Brux Med* 53:649-68, Nov 73 (Fre)

[Letter: Periarthropathia humeroscapularis] Wessinghage D. *Dtsch Med Wochenschr* 98:2099-100, 2 Nov 73 (Ger)

[Intensive care of cases of severe eclampsia (author's transl)] Hiotakis K, et al. *Geburtshilfe Frauenheilkd* 33:793-7, Oct 73 (Eng. Abstr.) (Ger)

[P-phenomenon in progressive chronic polyarthritis] Kästner P. *Z Gesamte Inn Med* 28:450-4, 1 Aug 73 (Eng. Abstr.) (Ger)

[Therapy of pertussis] Romani L, et al. *Minerva Pediatr* 25:1436-41, 6 Oct 73 (Eng. Abstr.) (Ita)

[Keratoglobus acutus in a 17-year-old girl with mental deficiency] Iwaszkiewicz-Bilkiewicz. *Klin Oczna* 43:1357-9, Dec 73 (Pol)

[Our experiences in the diagnosis and treatment of secondary sterility due to damage of Fallopian tubes] Živković B, et al. *Ljecz Vjesn* 95:497-501, Sep 73 (Eng. Abstr.) (Cro)

TOXICITY

Sensitivity of embryos and intraspecies differences in mice in response to prenatal administration of corticoids. Dostál M, et al. *Teratology* 8:245-52, Dec 73

DEHYDROEPIANDROSTERONE

Sulphotransferases and phosphotransferases in insects. Yang RS, et al. *Comp Biochem Physiol [B]* 46:717-26, Dec 73

In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. *Steroids* 22:731-45, Dec 73

Intracellular distribution and substrate specificity of the 16 alpha-hydroxylase in the adrenal of human fetus. Yamasaki H, et al. *Steroids* 22:637-58, Nov 73

[The effect of a spleen dialysate on the genital organs of the male rat. 1. Morphologic and enzyme histochemical studies] Breitenacker G, et al. *Andrologie* 4:363-74, 1972 (Eng. Abstr.) (Ger)

ANALYSIS

Endogenous steroid sulphates and glucuronides in the gallbladder bile from early and mid-term human foetuses. Huhtaniemi I. *J Endocrinol* 59:503-10, Dec 73

BIOSYNTHESIS

Proceedings: Effect of protein hormones on the biosynthesis of dehydroepiandrosterone sulphate by human foetal adrenal tissue in vitro. Isherwood DM, et al. *J Endocrinol* 59:xxxiv-xxxv, Nov 73

[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. *Monatsschr Kinderheilkd* 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

BLOOD

Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. Judd HL, et al. *J Clin Endocrinol Metab* 38:134-41, Jan 74

Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. *J Clin Invest* 53:1-6, Jan 74

CHEMICAL SYNTHESIS

Convenient, high yield conversion of androst-5-ene-3 β -ol, 17 β -diol to dehydroisoandrosterone. Hosoda H, et al. *J Org Chem* 38:4209-11, 30 Nov 73

DIAGNOSTIC USE

[Value of hormone analysis for the assessment of

placenta function in late pregnancy] Berle P. *Dtsch Med Wochenschr* 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

METABOLISM

In vitro biosynthesis of androgens in canine testes. Oh R, et al. *Acta Endocrinol (Kbh)* 74:615-24, Nov 73

The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro. Saure A. *Ann Acad Sci Fenn [Med]* 159:1-131, Sep 73

Enzymatic oxidation and reduction of C19-delta5-3 β -hydroxysteroids by hepatic microsomes. 3. Critical period for the neonatal differentiation of certain mixed-function oxidases. Tahel T, et al. *Endocrinology* 91:97-103, Jan 74

Androgen metabolism in the skin of hirsute women. Thomas JP, et al. *J Clin Endocrinol Metab* 38:19-22, Jan 74

The effect of stilboestrol analogues on the metabolism of steroids by the testis and prostate of the rat in vitro. Danutra V, et al. *J Endocrinol* 59:539-44, Dec 73

Metabolism of androgens in vitro by human facial and axillary skin. Hay JB, et al. *J Endocrinol* 59:475-86, Dec 73

Androgen metabolism in the ventral sebaceous gland patch of the Mongolian gerbil. Hodgins MB, et al. *J Endocrinol* 59:487-93, Dec 73

Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73

Steroid conjugates in plasma. XXVII. Binding of DHEA sulfate and DHEA sulfate to human plasma proteins as studied by electrophoresis. Schirazi M, et al. *Steroids Lipids Res* 4:98-104, Mar 73

PHARMACODYNAMICS

Hormonal effects on prostatic acid phosphatase synthesis in tissue culture. Ban RW, et al. *Invest Urol* 11:308-11, Jan 74

SECRETION

Misdiagnosis of endometrial adenocarcinoma in a 27-year old woman with adrenocortical tumor. Grattarola R. *Oncology* 28:246-52, 1973

URINE

Amenorrhea following use of combined oral contraceptives. Furuholm M, et al. *Acta Obstet Gynecol Scand* 52:373-9, 1973

Basic results of a study of bilateral adrenalectomy for advanced breast cancer. Urinary steroids and related data in 148 patients. Sarfaty G, et al. *Med J Aust* 2:877-81, 10 Nov 73

[Preliminary report on clinical, biochemical, and anatomical investigations of boys with undescended testes (author's transl)] Jendricke K, et al. *Monatsschr Kinderheilkd* 121:634-5, Oct 73 (Eng. Abstr.) (Ger)

DESOXYCORTICOSTERONE

Respiratory compensation to potassium-depletion and chloride-depletion alkalosis. Aquino HC, et al. *Am J Physiol* 225:1444-8, Dec 73

Reactivity of vascular smooth muscle in hypertensive rats. Holloway ET, et al. *Circ Res* 33:678-85, Dec 73

A specific increase in cardiovascular reactivity related to sodium retention in DOCA-salt-treated rats. Dusting GJ, et al. *Clin Sci Mol Med* 45:571-81, Nov 73

Increased plasma renin substrate concentration in human malignant hypertension. Rosset E, et al. *Helv Med Acta* 37:235-50, Oct 73

Steroid heta-D-glucosidase. Purification of the enzyme from rabbit liver. Mellor JD, et al. *J Biol Chem* 249:361-5, 25 Jan 74

Effects of 6-hydroxydopamine at birth on the development of hypertension in the rat. Finch L, et al. *Life Sci* 13:1403-10, 16 Nov 73

Behaviour and sensitivity to experimental hypertension. II. Lack of correlation between certain behavior patterns and hypertension in two new strains of rats. en-Ishay D, et al. *Proc Soc Exp Biol Med* 144:857-60, Dec 73

[Significance of water-electrolyte balance in the pathogenesis of glucose tolerance disorder in desoxycorticosterone-induced hypertension of the

ADRENAL

- rat] Wessels F, et al.
Med Welt 24:1605-6, 19 Oct 73 (Ger)
 [Animal experiment studies on carbohydrate and
 insulin metabolism in DOC-hypertension of the rat]
 Zierden E, et al. *Med Welt* 24:1603-4, 19 Oct 73 (Ger)

ADVERSE EFFECTS

- Iatrogenic Cushing's disease in a boy after misdiagnosis
 of salt-losing virilizing adrenal hyperplasia: impaired
 metyrapone response with failure of catch-up growth.
 Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
 [Electrolytes and arterial hypertension] Reubi F.
Acta Cardiol (Brux) Suppl 17:180-8, 1973 (Eng. Abstr.)
 (Fre)

ANTAGONISTS & INHIBITORS

- Salligenin analogs of 1-DOPA and
 dl-alpha-methyl-DOPA. Atkinson M, et al.
J Med Chem 17:248-9, Feb 74
 Synthesis and biological activities of substituted
 glycyrrhetic acids. Baran JS, et al.
J Med Chem 17:184-91, Feb 74
 Synthesis of 2-oxygenated glycyrrhetic acid
 derivatives. Pitzele BS. *J Med Chem* 17:191-4, Feb 74

BLOOD

- Microdetermination of adrenocortical steroids by
 double isotope method. 3. Distribution and
 incorporation of corticosteroids into human blood cell
 fractions. Kunugi A, et al.
Endocrinol Jap 20:397-405, Aug 73
 Plasma corticosteroids in infants with the respiratory
 distress syndrome. Baden M, et al.
Pediatrics 52:782-7, Dec 73
 A radioimmunoassay for deoxycorticosterone in human
 peripheral plasma using sephadex LH-20
 chromatography. Castro A, et al.
Steroids 22:851-67, Dec 73

DIAGNOSTIC USE

- Aldosterone: review of its physiology and diagnostic
 aspects of primary aldosteronism. Horton R.
Metabolism 22:1525-45, Dec 73 (176 ref.)

METABOLISM

- Effect of chronic treatment with ACTH on 11
 beta-hydroxylation in rat adrenal mitochondria. De
 Nicola AF. *Acta Physiol Lat Am* 23:178-82, 1973

PHARMACODYNAMICS

- Some effects of a restricted potassium intake on
 adaptation to saline drinking. Marwood J, et al.
Aust J Exp Biol Med Sci 51:521-35, Aug 73
 Some effects of hypophysectomy and of adrenalectomy
 on the adaptation of rats to the drinking of saline.
 Marwood JF, et al.
Aust J Exp Biol Med Sci 51:537-47, Aug 73
 Histone acetylation and hormone action. Early effects
 of aldosterone on histone acetylation in rat kidney.
 Libby PR. *Biochem J* 134:907-12, Aug 73
 Porphobilinogen oxygenase from rat liver: induction,
 isolation, and properties. Tomaro ML, et al.
Biochemistry 12:5263-8, 18 Dec 73
 Proceedings: Failure to induce experimental
 hypertension in rats after intraventricular injection
 of 6-hydroxydopamine. Finch L, et al.
Br J Pharmacol 44:356P-357P, Feb 72
 Letter: Effect of various steroids and ACTH on
 methyprylon plasma levels and sleeping time in rats.
 Kourounakis P, et al.
J Pharm Pharmacol 25:670-2, Aug 73
 Pharmacodynamic interactions among gluco-,
 mineralo- and glucocorticosteroids,
 pregnenolone-16alpha-carbonitrile and various drugs.
 Szabo S, et al. *J Pharmacol Exp Ther* 188:45-54, Jan 74
 Renin production in isolated canine liver-kidney
 perfusion after treatment of donor animals.
 Bhanalaph T, et al. *Urology* 2:509-13, Nov 73

SECRETION

- A correlation study between adrenal function and the
 duration of sustained ACTH treatments in the rat.

- Lantos CP, et al.
Acta Physiol Lat Am 23:277-87, Apr 73
 Adrenal steroid secretion in the rabbit: sodium
 depletion, angiotensin II, and ACTH. Braverman B, et
 al. *Am J Physiol* 225:1306-10, Dec 73
 Metabolic effects of ACTH in the sheep. Scoggins BA,
 et al. *Am J Physiol* 226:198-205, Jan 74

THERAPEUTIC USE

- Intermittent, idiopathic, inappropriate vasopressin
 secretion in a child. Skowsky WR, et al.
J Pediatr 83:62-3, Jul 73

URINE

- The excretion of 17-deoxycorticosteroids by women
 pregnant with a normal or an anencephalic fetus.
 Diver MJ, et al. *Clin Endocrinol (Oxf)* 2:227-32, Jul 73

DEXAMETHASONE

ADMINISTRATION & DOSAGE

- Effect of social stress and steroids on antibody
 production. Gross WB, et al.
Avian Dis 17:807-15, Oct-Dec 73
 Suppressive effect of dexamethasone on
 morphine-induced adrenocorticoidogenesis in rat.
 Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73
 The site of the suppressive action of dexamethasone on
 pituitary-adrenal activity. Kloet ER de, et al.
Endocrinology 91:61-73, Jan 74
 Modification of 1-tyrosine-induced keratopathy by
 adrenal corticosteroids. Burns RP, et al.
Invest Ophthalmol 13:39-45, Jan 74
 Effect of topical steroids on the healing of corneal
 endothellum. Sanchez J, et al.
Invest Ophthalmol 13:17-22, Jan 74
 Studies on host resistance to secondary infections of
Raillietina cesticillus Mollin, 1858 in the fowl. Gray JS.
Parasitology 67:375-82, Dec 73
 Dexamethasone in the management of kerosene
 pneumonia. Wolfsdorf J, et al.
Pediatrics 53:86-90, Jan 74
 Re-excretion of feline viral rhinotracheitis virus
 following corticosteroid treatment. Gaskell RM, et al.
Vet Rec 93:204-5, 18 Aug 73
 [Clinical trial of dexamethasone isonicotinate aerosols.
 Substitute for corticoid therapy by general
 administration] Roberts M, et al.
Rev Med Liege 28:606-11, 1 Sep 73 (Fre)

ANALYSIS

- Suppressive effect of dexamethasone on
 morphine-induced adrenocorticoidogenesis in rat.
 Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73

BLOOD

- Age-related changes in specific glucocorticoid binding
 by steroid-responsive tissues of rats. Roth GS.
Endocrinology 91:82-90, Jan 74

DIAGNOSTIC USE

- Familial hyperthecosis: comparison of endocrinologic
 and histologic findings with polycystic ovarian
 disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73
 Proceedings: Tumors of the adrenal cortex. Harrison
 JH, et al. *Cancer* 32:1227-35, Nov 73
 Suppression of plasma ACTH levels with
 corticosteroids in Addison's disease. Holdaway IM.
Clin Endocrinol (Oxf) 2:37-42, Jan 73
 Plasma unconjugated and conjugated
 17-hydroxycorticosteroids in different clinical
 disorders. Pal SB.
Clin Endocrinol (Oxf) 2:141-51, Apr 73
 Plasma testosterone and androstenedione after
 orchiectomy in prostatic adenocarcinoma. Sclarra F,
 et al. *Clin Endocrinol (Oxf)* 2:101-9, Apr 73
 A gonadotropin-responsive adrenocortical adenoma.
 Givens JR, et al.
J Clin Endocrinol Metab 38:126-33, Jan 74
 Proceedings: Tumors of the adrenal cortex and
 Cushing's syndrome. Scott HW Jr.
Proc Natl Cancer Conf 7:513-21, 1973
 [Combination of ACTH dexamethasone and HCG in the

- differential diagnosis of hirsutism and polycystic ovaries (author's transl)] Divila F, et al. *Cesk Gynecol* 38:627-9, Sep 73 (Cze)
- [Determination of free urinary cortisol. Its value in Cushing's syndrome] Gicquel JP, et al. *Nouv Presse Med* 2:2683-4, 10 Nov 73 (Fre)
- [Pituitary disorders; growth disturbances (author's transl)] Blierich JR. *Monatsschr Kinderheilkd* 121:647-51, Oct 73 (Ger)

METABOLISM

- A specific glucocorticoid binding macromolecule of rabbit uterine cytosol. Giannopoulos G. *Biochem Biophys Res Commun* 54:600-6, 18 Sep 73
- The site of the suppressive action of dexamethasone on pituitary-adrenal activity. Kloet ER de, et al. *Endocrinology* 91:61-73, Jan 74
- Age-related changes in specific glucocorticoid binding by steroid-responsive tissues of rats. Rotb GS. *Endocrinology* 91:82-90, Jan 74
- Differences between cytoplasmic glucocorticoid-binding proteins shown by heterogeneity of nuclear acceptor sites. Lippman ME, et al. *Nature* 246:352-5, 7 Dec 73
- Nuclear binding of steroid receptors: comparison in intact cells and cell-free systems. Higgins SJ, et al. *Proc Natl Acad Sci USA* 70:3415-8, Dec 73

PHARMACODYNAMICS

- Effect of acute exposure to cold on blood thyrotrophin (TSH) and corticosterone concentrations in the rabbit. Leppaluoto J, et al. *Acta Physiol Scand* 89:423-8, Nov 73
- Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. *Am J Physiol* 225:1306-10, Dec 73
- Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. *Am J Physiol* 226:96-104, Jan 74
- Effect of social stress and steroids on antibody production. Gross WB, et al. *Avian Dis* 17:807-15, Oct-Dec 73
- Presence of histaminase and ornithine decarboxylase activities in rat thymus. Beaven MA, et al. *Biochem Pharmacol* 22:257-65, 15 Jan 73
- Regulation of rat hexokinase isoenzymes. II. Effects of growth hormone and dexamethasone. Bernstein RS, et al. *Diabetes* 22:923-31, Dec 73
- Possible reversion of pituitary "thyroidectomy cells" into their original acidophils in rats. Yoshimura F, et al. *Endocrinol Jap* 20:249-62, Jun 73
- The site of the suppressive action of dexamethasone on pituitary-adrenal activity. Kloet ER de, et al. *Endocrinology* 91:61-73, Jan 74
- Transfer ribonucleic acid in hepatoma tissue culture cells. II. Dexamethasone phosphate induction of tRNA^{phe} analyzed under cell-free conditions. Lippman ME, et al. *Endocrinology* 91:262-6, Jan 74
- Transfer ribonucleic acid in hepatoma tissue culture cells. I. Induction in vivo by dexamethasone phosphate of phenylalanine-accepting activity. Yang SS, et al. *Endocrinology* 91:254-61, Jan 74
- A study on the role of pituitary ACTH in the aldosterone production of sodium depleted rats. Debrececi L, et al. *Endokrinologie* 61:293-6, May 73
- Serum and tissue dopamine-beta-hydroxylase activity in hypophysectomized rats. Freedman LS, et al. *Eur J Pharmacol* 24:366-74, Dec 73
- A comparative study of some anti-inflammatory drugs in wound healing of the rat. Velasco M, et al. *Experientia* 29:1250-1, 15 Oct 73
- Sodium-retaining bioassay of prolactin in the intact teleost *Tilapia mossambica* acclimated to sea water. Clarke WC. *Gen Comp Endocrinol* 21:498-512, Dec 73
- Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. *Gen Comp Endocrinol* 21:441-50, Dec 73
- Histological, histochemical and pharmacological observations on mast cells in the stomach of the rat. Heap BJ, et al. *J Anat* 115:315-25, Sep 73
- Effects of ovariectomy, dexamethasone and progesterone on the maintenance of pregnancy in swine. First NL, et al. *J Anim Sci* 37:1191-4, Nov 73
- Regulation of phosphoenolpyruvate carboxylase and tyrosine transaminase in hepatoma cell cultures. 3. Comparative studies in H35, HTC, MH1C1 and RLC cells. Rijn H van, et al. *J Cell Biol* 60:181-91, Jan 74

- Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. Judd HL, et al. *J Clin Endocrinol Metab* 38:134-41, Jan 74
- Radiolimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. Croughs RJ, et al. *J Endocrinol* 59:439-49, Dec 73
- The secretion of melanocyte-stimulating hormone after adrenalectomy and dexamethasone treatment in the rat. Thody AJ, et al. *J Endocrinol* 59:657-8, Dec 73
- Steroid-induced nuclear binding of glucocorticoid receptors in intact hepatoma cells. Rousseau GG, et al. *J Mol Biol* 79:539-54, 25 Sep 73
- Letter: Effect of steroids on CSF flow. Garcia-Bengochea F. *J Neurosurg* 40:279-80, Feb 74
- Regulation of hepatic glycogen synthesis during fetal development: roles of hydrocortisone, insulin, and insulin receptors. Elsen HJ, et al. *Proc Natl Acad Sci USA* 70:3454-7, Dec 73
- Radiolimmunoassay for methylprednisolone (Medrol). Colburn WA, et al. *Steroids* 22:687-98, Nov 73
- [Reflexphotometric determinations of vasoconstriction after topical application of steroids. Method, reliability, errors (author's transl)] Zaun H, et al. *Arch Dermatol Forsch* 247:379-86, 1973 (Eng. Abstr.) (Ger)
- [Behavior of plasmatic 11-hydroxycorticoids after the suppression test with dexamethasone in congestive cardiac insufficiency] Timio M, et al. *Folia Endocrinol (Roma)* 26:321-31, Aug 73 (Eng. Abstr.) (Ita)

THERAPEUTIC USE

- Correspondence: Anaphylaxis under anaesthesia. Kelly AJ, et al. *Anaesth Intensive Care* 1:332-3, May 73
- Pulmonary contusion. Pathogenesis and effect of various resuscitative measures. Trinkle JK, et al. *Ann Thorac Surg* 16:568-73, Dec 73
- Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Vlietkka L, et al. *Clin Chim Acta* 48:359-65, 15 Nov 73
- Failure to thrive, hyponatremia, and hyperkalemia in a seven-month-old girl. Vines R. *Clin Pediatr (Phila)* 12:15A, Dec 73
- Lung function tests in obstructive pulmonary disease in horses. Muylle E, et al. *Equine Vet J* 5:37-44, Jan 73
- Postoperative intraperitoneal adhesions: a double-blind assessment of their prevention in the monkey. Seltz HM Jr, et al. *Fertil Steril* 24:935-40, Dec 73
- Modification of 1-tyrosine-induced keratopathy by adrenal corticosteroids. Burns RP, et al. *Invest Ophthalmol* 13:39-45, Jan 74
- Effect of topical steroids on the healing of corneal endothelium. Sanchez J, et al. *Invest Ophthalmol* 13:17-22, Jan 74
- Inhibition of tumor initiation and promotion by anti-inflammatory agents. Slaga TJ, et al. *J Natl Cancer Inst* 51:1723-5, Nov 73
- Chemical characteristics of traumatic spinal cord edema in cats. Effects of steroids on potassium depletion. Lewin MG, et al. *J Neurosurg* 40:65-75, Jan 74
- Editorial: Herpes simplex encephalitis. *Lancet* 2:1426-7, 22 Dec 73
- Acute epiglottitis in adults. Hawkins DB, et al. *Laryngoscope* 83:1211-20, Aug 73
- Pseudotumor cerebri. Shapiro SK, et al. *Minn Med* 56:1021-3, Dec 73
- Misdiagnosis of endometrial adenoacanthoma in a 27-year old woman with adrenocortical tumor. Grattarola R. *Oncology* 28:246-52, 1973
- Dexamethasone in the management of kerosene pneumonia. Wolfsdorf J, et al. *Pediatrics* 53:86-90, Jan 74
- Haemophilus parainfluenzae epiglottitis, with positive blood cultures in an adult. Robineau M, et al. *Scand J Infect Dis* 5:229-31, 1973
- Ectopic adrenocorticotrophin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73
- Recent advances in the management of head injury patients. Vries JK, et al. *Va Med Mon* 100:1117-22, Dec 73
- [Glucocorticoids in the treatment of non-specific and specific gynaecological inflammations (author's transl)] Kohoutek M, et al. *Cesk Gynecol* 38:594-5, Sep 73 (Cze)

DEXAMETHASONE

- [Healing of ulcer cruris in older patients] Luža E. *Rozhl Chir* 52:679-88, Oct 73 (Eng. Abstr.) (Cze)
[Significance of glucocorticoids in the therapy of nonspecific and specific gynecologic inflammations] Kohoutek M. *Sb Ved Pr Lek Fak Karlovy Univ [Suppl]* 15:Suppl 2:159-69, Feb 73 (Eng. Abstr.) (Cze)
[Clinical trial of dexamethasone isonicotinate aerosols. Substitute for corticoid therapy by general administration] Roberts M, et al. *Rev Med Liege* 28:606-11, 1 Sep 73 (Fre)
[Case of brain tumor with raised blood eosinophil count] Dietrich-Rap Z, et al. *Neurol Neurochir Pol* 7:749-51, Sep-Oct 73 (Pol)
[Results of treatment of coniotuberculosis with a combination of antibacterial preparations and dexamethasone] Savenkov DI, et al. *Probl Tuberk* 51:37-9, 1973 (Eng. Abstr.) (Rus)

ETIOCHOLANOLONE

ADVERSE EFFECTS

- [Fever and endocrinopathies] Glinnoer D, et al. *Acta Clin Belg* 28:238-45, Jul 73 (Eng. Abstr.) (Fre)

ANALYSIS

- Use of chloromethylsilyl ether derivatives for the determination of hydroxylated steroids by gas chromatography-mass spectrometry. Chapman JR, et al. *Anal Chem* 45:1636-41, Aug 73

CHEMICAL SYNTHESIS

- 6,7-Unsaturated 5 beta-steroids as intermediates for labelling with isotopic hydrogen. Kirk DN, et al. *J Chem Soc [Perkin I]* 17:1836-9, 1973

SECRETION

- Misdiagnosis of endometrial adenoacanthoma in a 27-year old woman with adrenocortical tumor. Grattarola R. *Oncology* 28:246-52, 1973

URINE

- Basic results of a study of bilateral adrenalectomy for advanced breast cancer. Urinary steroids and related data in 148 patients. Sarfaty G, et al. *Med J Aust* 2:877-81, 10 Nov 73

FLUDROCORTISONE

ADVERSE EFFECTS

- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
Treatment of chronic gangrenous skin lesions with measures increasing distal blood pressure with special regard to induced moderate hypertension. Larsen OA, et al. *Scand J Clin Lab Invest* 31:Suppl 128:213-, 1973

PHARMACODYNAMICS

- Histone acetylation and hormone action. Early effects of aldosterone on histone acetylation in rat kidney. Libby PR. *Biochem J* 134:907-12, Aug 73
Proceedings: Kallikrein excretion during the "escape" from the sodium retaining effect of fludrocortisone. Edwards OM, et al. *J Endocrinol* 59:xxxiv, Nov 73
Letter: Effect of various steroids and ACTH on methyprylon plasma levels and sleeping time in rats. Kourounakis P, et al. *J Pharm Pharmacol* 25:670-2, Aug 73
Effect of various steroids and ACTH on distribution of zoxazolamine in rats. Kourounakis P, et al. *J Pharm Sci* 62:1946-9, Dec 73
Pharmacodynamic interactions among glucocorticoids and glucomineralocorticoids, pregnenolone-16alpha-carbonitrile and various drugs. Szabo S, et al. *J Pharmacol Exp Ther* 188:45-54, Jan 74
Treatment of chronic gangrenous skin lesions with measures increasing distal blood pressure with special regard to induced moderate hypertension. Larsen OA, et al. *Scand J Clin Lab Invest* 31:Suppl 128:213-, 1973

ADRENAL

- Combined surgical and medical treatment in patients with severe ischemia of the lower limb. Stephensen N. *Scand J Clin Lab Invest* 31:Suppl 128:219-, 1973

THERAPEUTIC USE

- Failure to thrive, hyponatremia, and hyperkalemia in a seven-month-old girl. Vines R. *Clin Pediatr (Phila)* 12:15A, Dec 73
Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73
Treatment of chronic gangrenous skin lesions with measures increasing distal blood pressure with special regard to induced moderate hypertension. Larsen OA, et al. *Scand J Clin Lab Invest* 31:Suppl 128:213-, 1973
Combined surgical and medical treatment in patients with severe ischemia of the lower limb. Stephensen N. *Scand J Clin Lab Invest* 31:Suppl 128:219-, 1973

FLUMETHASONE

ADMINISTRATION & DOSAGE

- Intra-articular injection of flumethasone suspension in normal joints of horses. Van Pelt RW. *Equine Vet J* 5:162-70, Oct 73

ADVERSE EFFECTS

- Intra-articular injection of flumethasone suspension in normal joints of horses. Van Pelt RW. *Equine Vet J* 5:162-70, Oct 73

PHARMACODYNAMICS

- Intra-articular injection of flumethasone suspension in normal joints of horses. Van Pelt RW. *Equine Vet J* 5:162-70, Oct 73

THERAPEUTIC USE

- Chronic gonitis in cattle: clinicopathologic findings and treatment. Van Pelt RW, et al. *J Am Vet Med Assoc* 163:1378-83, 15 Dec 73

FLUOCINOLONE ACETONIDE

- The pathogenesis of topical steroid acne. Kaldbey KH, et al. *J Invest Dermatol* 62:31-6, Jan 74

ADMINISTRATION & DOSAGE

- The anti-infective action of a new steroid-base combination (fluocinolone acetonide in FAPG base) with conventional antimicrobial substances. Rhodes EL, et al. *Curr Med Res Opin* 1:87-92, 1972

ADVERSE EFFECTS

- [Atrophic changes in the skin from the use of corticosteroid ointments] Somov BA, et al. *Sov Med* 36:137-8, Apr 73 (Rus)

THERAPEUTIC USE

- The anti-infective action of a new steroid-base combination (fluocinolone acetonide in FAPG base) with conventional antimicrobial substances. Rhodes EL, et al. *Curr Med Res Opin* 1:87-92, 1972
Letter: Evaluation of desonide cream. Van Scott EJ. *JAMA* 226:1569, 24 Dec 73
[Problem of etopathogenesis and treatment of rosaceaform dermatitis] Bartošová L, et al. *Cesk Dermatol* 48:374-80, Dec 73 (Eng. Abstr.) (Cze)
[Atrophic changes in the skin from the use of corticosteroid ointments] Somov BA, et al. *Sov Med* 36:137-8, Apr 73 (Rus)

FLUPREDNISOLONE

THERAPEUTIC USE

- [About the treatment of varicose eczemas on the lower leg with locally acting compound preparations (author's transl)] Debes-Wezel M, et al. *Med Klin* 68:1437-42, 2 Nov 73 (Eng. Abstr.) (Ger)

GLUCOCORTICOIDS

Isolation of cytoplasmic glucocorticoid-binding protein(s) from rat liver by means of affinity chromatography, and its partial characterization. Wong KC, et al. *Biochim Biophys Acta* 328:133-44, 11 Nov 73

ADMINISTRATION & DOSAGE

Evaluation of chronic uremia. Importance of serum urea nitrogen, serum creatinine, and their ratio. Kopple JD, et al. *JAMA* 227:41-4, 7 Jan 74

Application of drip infusion therapy to severe ocular inflammatory diseases. Imalzumi K, et al. *Trans Ophthalmol Soc NZ* 25:196-201, 1973

[Reflexphotometric determinations of vasoconstriction after topical application of steroids. Method, reliability, errors (author's transl)] Zaun H, et al. *Arch Dermatol Forsch* 247:379-86, 1973 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Pneumothorax complicated by chronic steroid treatment. Eastridge CE, et al. *Am J Surg* 126:784-7, Dec 73

Synovectomy of the knee-joint in rheumatoid arthritis. A long-term follow-up. Graham J, et al. *J Bone Joint Surg [Am]* 55:786-95, Nov 73

Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: Impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73

[Glucocorticoid therapy in internal medicine.] Medau HJ. *Med Welt* 24:1427-30, 21 Sep 73 (Ger)

[Rational pharmacotherapy of complications during the first half of pregnancy (author's transl)] Pontuch A. *Cesk Gynecol* 38:645-7, Nov 73 (Slo)

ANALYSIS

Analysis of adrenocortical steroids in pharmaceutical preparations by high-pressure liquid-liquid chromatography. Olson MC. *J Pharm Sci* 62:2001-7, Dec 73

ANTAGONISTS & INHIBITORS

The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. *Experientia* 29:1259-62, 15 Oct 73

BLOOD

Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle. Echterkamp SE, et al. *J Anim Sci* 37:1362-70, Dec 73

Peripheral plasma progesterone and corticoid levels at parturition in the sow. Killian DB, et al. *J Anim Sci* 37:1371-5, Dec 73

[Changes in glucocorticoid function of the adrenals in thrombo-obliterative diseases of lower limb arteries] Zaitsev GP, et al. *Klin Khir* 6:61-7, Jun 73 (Rus)

[Current state of the adrenal cortex function studies in children] Iurkov IuA, et al. *Pediatr* 52:72-9, Apr 73 (135 ref.) (Rus)

[Biochemical blood changes following a severe cerebro-cranial injury] Smazhnova NA, et al. *Sov Med* 36:138-9, Sep 73 (Rus)

METABOLISM

Differences between cytoplasmic glucocorticoid-binding proteins shown by heterogeneity of nuclear acceptor sites. Lippman ME, et al. *Nature* 246:352-5, 7 Dec 73

[Current state of the adrenal cortex function studies in children] Iurkov IuA, et al. *Pediatr* 52:72-9, Apr 73 (135 ref.) (Rus)

[Glucocorticoid activity of the adrenal cortex in patients with diabetes mellitus from the aspect of age] Bezverkhal TP, et al. *Probl Endokrinol (Mosk)* 19:3-8, Nov-Dec 73 (Eng. Abstr.) (Rus)

[Glucocorticoid function of the adrenal glands in patients with cerebral nanism] Polovotskaya GM, et al.

Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effect of social stress and steroids on antibody production. Gross WB, et al. *Avian Dis* 17:807-15, Oct-Dec 73

Idiopathic nephrotic syndrome of childhood: cyclophosphamide induced conversion from steroid refractory to highly steroid sensitive disease. Bergstrand A, et al. *Clin Nephrol* 1:302-6, Sep-Oct 73

Effect of various steroids and ACTH on distribution of zoxazolamine in rats. Kourounakis P, et al. *J Pharm Sci* 62:1946-9, Dec 73

Pharmacodynamic interactions among glucocorticoids, mineralo- and glucomineralocorticoids, pregnenolone-16alpha-carbonitrile and various drugs. Szabo S, et al. *J Pharmacol Exp Ther* 188:45-54, Jan 74

Proceedings: Cellular kinetics in acute leukemia. Maur AM, et al. *Proc Natl Cancer Conf* 7:325-31, 1973

[The functional histochemistry of the sympathetic nervous system] Eränkő O. *Duodecim* 89:867-82, 1973 (Eng. Abstr.) (Fin)

[Mechanism of action of glucocorticoides on the lymphatic system] Bojar H, et al. *Hippokrates* 44:318-21, Oct 73 (18 ref.) (Ger)

[Effects of glucocorticoid on TSH secretion-clinical and experimental evaluation using synthetic TRF] Otsuki M, et al. *Clin Endocrinol (Tokyo)* 21:1039-44, Oct 73 (Jap)

[Influence of glucocorticoids on thyroid stimulating hormone (TSH) secretion in man (author's transl)] Otsuki M, et al. *J Jap Soc Intern Med* 62:1346-51, Oct 73 (Jap)

PHYSIOLOGY

Effects of neuroleptanesthesia on endocrine function in man. Oyama T. *Int Anesthesiol Clin* 11:171-84, Fall 73 (19 ref.)

[Hormonal differences during the prepubertal and pubertal periods] Berezhkov LF, et al. *Vopr Okhr Materin Det* 18:11-6, Jul 73 (Eng. Abstr.) (Rus)

SECRETION

[Changes in glucocorticoid function of the adrenals in thrombo-obliterative diseases of lower limb arteries] Zaitsev GP, et al. *Klin Khir* 6:61-7, Jun 73 (Rus)

THERAPEUTIC USE

Pneumothorax complicated by chronic steroid treatment. Eastridge CE, et al. *Am J Surg* 126:784-7, Dec 73

Modification of 1-tyrosine-induced keratopathy by adrenal corticosteroids. Burns RP, et al. *Invest Ophthalmol* 13:39-45, Jan 74

Synovectomy of the knee-joint in rheumatoid arthritis. A long-term follow-up. Graham J, et al. *J Bone Joint Surg [Am]* 55:786-95, Nov 73

Studies in experimental spinal cord trauma. 2. Comparison of treatment with steroids, low molecular weight dextran, and catecholamine blockade. Hedeman LS, et al. *J Neurosurg* 40:44-51, Jan 74

The pathophysiological response to spinal cord injury. The current status of related research. Osterholm JL. *J Neurosurg* 40:5-33, Jan 74 (154 ref.)

Letter: Management of croup. Edelson PJ, et al. *J Pediatr* 83:167, Jul 73

Idiopathic thrombocytopenic purpura: an epidemiologic study. Lammi AT, et al. *J Pediatr* 83:31-6, Jul 73

Emergency care of patients with cerebral injuries. Ducker TB, et al. *Postgrad Med* 55:102-10 passim, Jan 74

Application of sequential analysis to Evans blue-carrageenan-induced pleural effusion for screening compounds for anti-inflammatory activity. Sancillo LF, et al. *Toxicol Appl Pharmacol* 26:575-84, Dec 73

Application of drip infusion therapy to severe ocular inflammatory diseases. Imalzumi K, et al. *Trans Ophthalmol Soc NZ* 25:196-201, 1973

[Significance of glucocorticoids in the therapy of nonspecific and specific gynecologic inflammations] Kohoutek M.

GLUCOCORTICOIDS

ADRENAL

- Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 15:Suppl 2:159-69, Feb 73 (Eng. Abstr.) (Cze)
 [Synoviorthesis by intra-articular injection of osmic acid in rheumatoid arthritis (author's transl)] Delcambre B, et al.
 J Belge Rhumatol Med Phys 28:49-58, Mar-Apr 73 (Eng. Abstr.) (Fre)
 [Rheumatoid arthritis and hyperthyroidism. Apropos of the association of rheumatoid arthritis and toxic adenoma] Rampon S, et al.
 Rev Rhum Mal Osteoartic 40:503-13, Jul-Sep 73 (Eng. Abstr.) (Fre)
 [Therapy in idiopathic retroperitoneal fibrosis] Lent V, et al.
 Dtsch Med Wochenschr 98:2144-6, 9 Nov 73 (Ger)
 [Corticosteroid fractions of intact myocardium and of myocardial infarct] Fazekas IG, et al.
 Endokrinologie 61:342-54, Jun 73 (Eng. Abstr.) (Ger)
 [Splenectomy in pancytopenia] Hesse P, et al.
 Folia Haematol (Leipz) 100:67-71, 1973 (Eng. Abstr.) (Ger)
 [The treatment of death-cap poisoning (author's transl)] Zullk R, et al.
 Med Klin 68:1371-2, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Glucocorticoid therapy in internal medicine. Pharmacodynamic therapy. II] Medau HJ.
 Med Welt 24:1589-93, 19 Oct 73 (Ger)
 [Glucocorticoid therapy in internal medicine. I] Medau HJ.
 Med Welt 24:1427-30, 21 Sep 73 (Ger)
 [Immunosuppressive therapy of chronic aggressive hepatitis] Maleev A, et al.
 Z Gesamte Inn Med 28:Suppl:307-9, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Cyclic thrombopenia or "periodic platelet dysgenesis" or "periodic dysbromocytopenia" in a female patient] Ciavarella N, et al.
 Haematologica (Pavia) 58:793-5, 1973 (Ita)
 [Therapeutic effect of glucocorticoids on viral hepatitis in children in relation to Australia antigen] Kossakowski R, et al.
 Pediatr Pol 48:1197-202, 1973 (Eng. Abstr.) (Pol)
 [Current aspects on the teaching about so called collagen diseases (review of the literature)] Isaeva LA, et al.
 Vopr Okhr Materin Det 18:57-61, Nov 73 (50 ref.) (Rus)
 [Medical induction of ovulation. Report of 250 cases] Ruiz Velasco V.
 Ginecol Obstet Mex 34:417-28, Nov 73 (Eng. Abstr.) (Spa)

URINE

- An assessment of the metyrapone test. Shahanesh M, et al. Clin Endocrinol (Oxf) 2:201-6, Jul 73

HYDROCORTISONE

- Isolation of cytoplasmic glucocorticoid-binding protein(s) from rat liver by means of affinity chromatography, and its partial characterization. Wong KC, et al.
 Biochim Biophys Acta 328:133-44, 11 Nov 73
 Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.
 Clin Chem 19:1293-5, Nov 73
 Growth hormone-induced T cell differentiation. Arrenbrecht S, et al. Eur J Immunol 3:601-4, Sep 73

ADMINISTRATION & DOSAGE

- Combined therapeutic trial in multiple sclerosis: hydrocortisone hemisuccinate with cyclophosphamide or cytosine arabinoside. Cendrowski W. Acta Neurol Belg 73:209-19, Jul-Aug 73
 Effect of premedication with intra-articular hydrocortisone on the retention of ¹⁹⁸Au in the knee joint in rheumatoid arthritis. Use of ^{99m}Tc in assessment. Goode JD, et al.
 Ann Rheum Dis 32:Suppl:43-5, Dec 73
 The effect of in vivo hydrocortisone on subpopulations of human lymphocytes. Fauci AS, et al.
 J Clin Invest 53:240-6, Jan 74
 Splenectomy, steroids, and dextran 70 in thrombotic thrombocytopenic purpura. Cuttner J.
 JAMA 227:397-402, 28 Jan 74
 Editorial: Collagenase, cartilage and cortisol. Hollander JL. N Engl J Med 290:50-1, 3 Jan 74
 A controlled trial of hydrocortisone therapy in infants

- with respiratory distress syndrome: II. Pathology. Taeusch HW Jr, et al. Pediatrics 52:850-4, Dec 73
 Relief of respiratory obstruction by intubation without the aid of general anaesthesia. Lang IR.
 S Afr Med J 47:2301-3, 1 Dec 73
 Effect of cortisol on the eosinophils in the rat spleen. Autoradiographic studies. Bro-Rasmussen F.
 Scand J Haematol 11:59-70, 1973
 Corticosteroids and arteriosclerosis. The effect of adrenocortical steroids on the capillary filtration rate. Ranlov P, et al. Scand J Rheumatol 2:157-60, 1973
 Sensitivity of embryos and intraspecies differences in mice in response to prenatal administration of corticoids. Dostal M, et al. Teratology 8:245-52, Dec 73
 [Intravenous hormone-chemotherapy of patients with chronic forms of pulmonary tuberculosis] Iurchenko NF. Vrach Delo 8:12-3, Aug 73 (Rus)
 [Effect of repeated injections of hydrocortisone in combination of RNA on protein metabolism in rat organs] Germaniuk IAL, et al.
 Ukr Blokhim Zh 45:428-31, Jul-Aug 73 (Eng. Abstr.) (Ukr)

ADVERSE EFFECTS

- Preoperative evaluation and preparation of the patient. Solosko D. Int Ophthalmol Clin 13:61-82, Summer 73
 Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilabazu H, et al. J Pediatr 83:69-76, Jul 73

ANALYSIS

- Analysis of adrenocortical steroids in pharmaceutical preparations by high-pressure liquid-liquid chromatography. Olson MC.
 J Pharm Sci 62:2001-7, Dec 73
 Proceedings: A cost reductive method for the radioimmunoassay of steroids and prostaglandins. Hennam JF, et al. J Reprod Fertil 35:603-4, Dec 73
 The influence of acute psychic stress situations on biochemical and vegetative parameters of essential hypertensives at the early stage of the disease. Baumann R, et al.
 Psychother Psychosom 22:131-40, 1973
 [Studies on drug dispersion with special reference to suspension ointments. Light microscopical methods to register and to demonstrate dispersion and changes of dispersion] Horach W, et al.
 Pharmazie 28:455-60, Jul 73 (Ger)

ANTAGONISTS & INHIBITORS

- Differential sensitivity of rat liver and rat hepatoma cells to alpha-amanitin. Boctor A, et al.
 Biochem Pharmacol 22:17-28, 1 Jan 73
 Further evidence against post-transcriptional control of inducible tyrosine aminotransferase synthesis in cultured hepatoma cells. Kenney FT, et al.
 Nature [New Biol] 246:208-10, 19 Dec 73
 Regulation of hepatic glycogen synthesis during fetal development: roles of hydrocortisone, insulin, and insulin receptors. Elsen HJ, et al.
 Proc Natl Acad Sci USA 70:3454-7, Dec 73

BIOSYNTHESIS

- The conversion of 23,24-dihydro-5-cholen-3beta-ol to cortisol by the canine adrenal. Tait AD.
 Steroids 22:609-13, Nov 73
 [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
 [Transformation of the Reichstein "S" substance 21-acetate into hydrocortisone and cortisone acetate using the fungus Tieghemella orchidis] Mogil'nitski GM, et al.
 Prikl Blokhim Mikrobiol 9:240-5, Mar-Apr 73 (Eng. Abstr.) (Rus)
 [Functional activity of the adrenal cortex autotransplant in Itsenko-Cushing's disease following bilateral total adrenalectomy] Goncharova VN, et al.
 Probl Endokrinol (Mosk) 19:35-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

BLOOD

- Effect of beclomethasone dipropionate on the diurnal

- variations in plasma cortisol level. Buisseret PD. *Acta Allergol (Kbh)* 28:126-31, Jul 73
- Somatotrophic and corticotrophic functions in primary hypothyroidism before and after thyroxine treatment. Minozzi M, et al. *Acta Endocrinol (Kbh)* 74:483-91, Nov 73
- Urinary excretion of free cortisol in hypercalcaemia. Schonoau Jorgensen F, et al. *Acta Endocrinol (Kbh)* 74:122-6, Sep 73
- Hepatic and adrenocortical function during cyclophosphamide stoss therapy. Ylöstalo, et al. *Acta Obstet Gynecol Scand* 52:299-302, 1973
- Adrenal glucocorticoid function in acute viral infections in children. Zeltoun MM, et al. *Acta Paediatr Scand* 62:608-14, Nov 73
- Cortisol distribution in rheumatoid arthritis during treatment with gold. Kirchheimer B, et al. *Acta Pharmacol Toxicol (Kbh)* 32:449-54, 1973
- Growth hormone and cortisol secretion in man. Lalsi U, et al. *Acta Physiol Scand* 89:192-7, Oct 73
- Electrical stimulation of human thalamic and amygdaloid area and plasma cortisol concentration. Leppälä J. *Acta Physiol Scand* 89:187-91, Oct 73
- A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. Cohen M, et al. *Am J Obstet Gynecol* 118:200-9, 15 Jan 74
- Midtrimester abortion induced with a single intra-amniotic instillation of prostaglandin F2 alpha. Lauersen NH, et al. *Am J Obstet Gynecol* 118:210-7, 15 Jan 74
- Evidence for adrenocortical uptake of ACTH in vivo. Espiner EA, et al. *Am J Physiol* 226:96-104, Jan 74
- Concentrations of cortisol and renin in the internal spermatic vein of men with varicocele. Lindbolmer C, et al. *Andrologie* 5:21-2, 1973
- Betamethasone 17-valerate by aerosol in childhood asthma. Frears JF, et al. *Arch Dis Child* 48:856-63, Nov 73
- Maternal and umbilical cord plasma-cortisol-concentrations related to different types of deliveries. Krauer F. *Arch Gynaekol* 215:343-50, 1973
- Direct ultrasonic irradiation of the hypophysis in diabetic retinopathy. Ricci V, et al. *Arch Klin Exp Ohren Nasen Kehlkopfheilkd* 204:237-48, 12 Oct 73
- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:328-9, 10 Nov 73
- Central and peripheral levels of plasma catecholamines, cortisol, insulin and non-esterified fatty acids. Turton MB, et al. *Clin Chim Acta* 48:347-52, 15 Nov 73
- Plasma unconjugated and conjugated 17-hydroxycorticosteroids in different clinical disorders. Pal SB. *Clin Endocrinol (Oxf)* 2:141-51, Apr 73
- Radioimmunoassay of aldosterone in plasma and urine: validation of a novel separation technique and a rapid urine assay. Jowett TP, et al. *Clin Sci Mol Med* 45:607-23, Nov 73
- A comparative study on the metabolism of human insulin and porcine proinsulin in man. Sönksen PH, et al. *Clin Sci Mol Med* 45:633-54, Nov 73
- Microdetermination of adrenocortical steroids by double isotope method. 3. Distribution and incorporation of corticosteroids into human blood cell fractions. Kunugi A, et al. *Endocrinol Jap* 20:397-405, Aug 73
- Effect of catecholamines on plasma growth hormone in dogs. Takahashi K, et al. *Endocrinol Jap* 20:323-30, Jun 73
- Age-related changes in specific glucocorticoid binding by steroid-responsive tissues of rats. Roth GS. *Endocrinology* 91:82-90, Jan 74
- Prolonged elevation of plasma cortisol levels in dogs treated with an 18 amino acid synthetic corticotropin. Steinetz BG, et al. *Experientia* 29:1367-8, 15 Nov 73
- Plasma growth hormone in coeliac disease. Vanderschueren-Lodeweyckx, et al. *Helv Paediatr Acta* 28:349-57, Oct 73
- The metabolic effects of neuroleptanesthesia. Dobkin AB, et al. *Int Anesthesiol Clin* 11:155-69, Fall 73 (31 ref.)
- Effects of neuroleptanesthesia on endocrine function in man. Oyama T. *Int Anesthesiol Clin* 11:171-84, Fall 73 (19 ref.)
- Effects of exercise on adrenocortical function. Davies CT, et al. *J Appl Physiol* 35:887-91, Dec 73
- Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74
- Characterization of the glucagon response to hypoglycemia in man. Gerich JE, et al. *J Clin Endocrinol Metab* 38:77-82, Jan 74
- Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. Judd HL, et al. *J Clin Endocrinol Metab* 38:134-41, Jan 74
- Evidence of cortisol deficiency at birth in infants with the respiratory distress syndrome. Murphy BE. *J Clin Endocrinol Metab* 38:158, Jan 74
- Radioimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. Croughs RJ, et al. *J Endocrinol* 59:439-49, Dec 73
- Proceedings: L-DOPA as a test of anterior pituitary function. Millar JG, et al. *J Endocrinol* 59:xxv-xxvi, Nov 73
- Progesterone concentrations in the peripheral plasma of the blue fox (*Alopex lagopus*) during pregnancy and the oestrous cycle. Møller OM. *J Endocrinol* 59:429-38, Dec 73
- Proceedings: Circadian relationships of plasma androgen and cortisol levels. Tunbridge D, et al. *J Endocrinol* 59:xxi, Nov 73
- Clinical-psychological, electroencephalographic, and adrenocortical relationships in elderly psychiatric patients. Müller HF, et al. *J Gerontol* 29:28-38, Jan 74
- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
- The assay of corticosterone, aldosterone, cortisone and cortisol in single plasma samples obtained from foetal and neonatal animals. Malinowska KW, et al. *J Physiol (Lond)* 233:20P-22P, Aug 73
- Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. *Lancet* 2:1263-4, 1 Dec 73
- Is cortisol responsible for inhibition of MLC reactions by pregnancy plasma? Kasakura S. *Nature* 246:496-7, 21 Dec 73
- Hormones, amino acids, and malnutrition. *Nutr Rev* 31:306-8, Oct 73 (6 ref.)
- Plasma corticosteroids in infants with the respiratory distress syndrome. Baden M, et al. *Pediatrics* 52:782-7, Dec 73
- Prolonged rupture of membranes associated with a decreased incidence of respiratory distress syndrome. Bauer CR, et al. *Pediatrics* 53:7-12, Jan 74
- A controlled trial of hydrocortisone therapy in infants with respiratory distress syndrome: II. Pathology. Taesch HW Jr, et al. *Pediatrics* 52:850-4, Dec 73
- Proceedings: A new steroid anaesthetic-althesin. Clarke RS, et al. *Proc R Soc Med* 66:1027-30, Oct 73 (19 ref.)
- [Activity of the adrenal cortex and of the hypothalamic-pituitary system in the rat after prolonged hypercapnia (author's transl)] Reichart E, et al. *Beitr Pathol* 149:323-35, Sep 73 (Eng. Abstr.) (Fre)
- [Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. *Andrologie* 5:207-13, 1973 (Eng. Abstr.) (Ger)
- [Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al. *Dtsch Med Wochenschr* 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
- [Plasma aldosterone in a patient with primary aldosteronism during and after adrenalectomy] Vetter H, et al. *Dtsch Med Wochenschr* 98:2420-1, 14 Dec 73 (Ger)
- [Episodic secretion of cortisol in Cushing's syndrome (author's transl)] Armbruster H, et al. *Klin Wochenschr* 51:1025-6, 15 Oct 73 (Eng. Abstr.) (Ger)
- [Proceedings: Clinical-biochemical parallels in the indication for hormone therapy in pulmonary tuberculosis] Bartmanow NJ. *Z Erkr Atmungsorgane* 138:100-3, 1973 (Ger)
- [Behavior of plasmatic 11-hydroxycorticoids after the suppression test with dexamethasone in congestive cardiac insufficiency] Timio M, et al. *Folia Endocrinol (Roma)* 26:321-31, Aug 73 (Eng. Abstr.) (Ita)
- [Radioimmunoassay of plasma cortisol] Makino T, et al. *Folia Endocrinol Jap* 49:1297-305, Oct 73 (Eng. Abstr.) (Jap)
- [Glucocorticoid function of the adrenal glands in patients with cerebral anisom] Polovotskaia GM, et al.

Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

Suppression of plasma ACTH levels with corticosteroids in Addison's disease. Holdaway IM. Clin Endocrinol (Oxf) 2:37-42, Jan 73

METABOLISM

Cortisol distribution in rheumatoid arthritis during treatment with gold. Kirchheiner B, et al. Acta Pharmacol Toxicol (Kbh) 32:449-54, 1973

Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al. Anesth Analg (Cleve) 52:1003-10, Nov-Dec 73

Impaired renin responsiveness with secondary hypoadosteronism. Gossain VV, et al. Arch Intern Med 132:885-90, Dec 73

Identification and partial characterization of specific estrogen receptors in the vole (*Microtus montanus*). Beers PC, et al. Comp Biochem Physiol [B] 46:647-52, Dec 73

The method of intraluminal perfusion of the human small intestine. II. Absorption studies in health. Modigliani R, et al. Digestion 9:264-90, Oct 73 (100 ref.)

Hydrocortisone metabolism in the adrenalectomized dog: the quantitative significance of each organ system in the total metabolic clearance of hydrocortisone. McCormick JR, et al. Endocrinology 91:17-26, Jan 74

Age-related changes in specific glucocorticoid binding by steroid-responsive tissues of rats. Roth GS. Endocrinology 91:82-90, Jan 74

Ribonucleic acid and protein synthesis in guinea pig liver during Q fever. Thompson HA, et al. Infect Immun 7:718-24, May 73

Effects of exercise on adrenocortical function. Davies CT, et al. J Appl Physiol 35:887-91, Dec 73

Metabolism of cortisol by the human newborn infant. Danilescu-Goldinberg D, et al. J Clin Endocrinol Metab 38:64-70, Jan 74

Efficacy of sample combustion techniques for tritium recovery after tritiated cortisol injections in pregnant A-Jax mice. Wood NK, et al. J Dent Res 52:1340, Nov-Dec 73

Proceedings: (3H)progesterone-binding to tissues of the human reproductive tract. Crocker SG, et al. J Endocrinol 59:17-8, Nov 73

Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. J Endocrinol 59:11-ix, Nov 73

Proceedings: Studies on some effects of temperature on the blood-testis barrier in rats. Main SJ, et al. J Reprod Fertil 35:587-8, Dec 73

Hormonal control of bone cell function. Rasmussen H. Triangle 12:103-9, 1973

[Cortisol and parameters of cortisol binding with proteins in the course of surgical treatment of toxic goiter] Puchalski Z. Pol Tyg Lek 28:1610-3, 8 Oct 73 (Pol)

[Quantitative determination of cortisol and its metabolites in urine following their division by the method of thin-layer chromatography on silica gel] Savushkina AS, et al. Lab Delo 9:566-7, 1973 (Rus)

[Transformation of the Reichstein "S" substance 21-acetate into hydrocortisone and cortisone acetate using the fungus *Tieghemella orchidis*] Mogil'nikskii GM, et al. Prikl Blokhim Mikrobiol 9:240-5, Mar-Apr 73 (Eng. Abstr.) (Rus)

[Glucocorticoid function of the adrenal glands in patients with cerebral nanism] Polovotskaya GM, et al. Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Eng. Abstr.) (Rus)

[Acetylating capacity of the organism in patients with Itsenko-Cushing disease] Vasilukova EA, et al. Ter Arkh 45:16-9, Sep 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

The influence of cortisol on 2-deoxyglucose penetration and phosphorylation by the mouse ear strip preparation. Arlyoshi Y, et al. Acta Endocrinol (Kbh) 74:723-31, Dec 73

The hamster cheek pouch: an experimental model of corneal vascularization. Klintworth GK. Am J Pathol 73:691-710, Dec 73

Hormonal and dietary adaptation of rat pancreatic

hydrolases before and after weaning.

Deschodt-Lanckman M, et al.

Am J Physiol 226:39-44, Jan 74

Mobilization and extracellular release of granular enzymes from human leukocytes during phagocytosis: inhibition by colchicine and cortisol but not by salicylate. Wright DG, et al.

Arthritis Rheum 16:749-58, Nov-Dec 73

Inhibitory effect of isoprenaline on entry of cells into S phase in the rat submaxillary gland. Radley JM, et al. Aust J Exp Biol Med Sci 51:399-404, Jun 73

Histone acetylation and hormone action. Early effects of aldosterone on histone acetylation in rat kidney. Lihby PR. Biochem J 134:907-12, Aug 73

A model for the regulation of delta-aminolaevulinic synthetase induction in rat liver. Padmanaban G, et al. Biochem J 134:847-57, Aug 73

Glucose metabolism in the newborn rat. Hormonal effects in vivo. Snell K, et al. Biochem J 134:899-906, Aug 73

Effect of a synthetic hexosamine derivative on mucopolysaccharide synthesis by human capsule and synovium. Anastassiades TP. Biochem Pharmacol 22:3013-23, 1 Dec 73

Influence of non-steroid anti-inflammatory and immunosuppressive drugs on hepatic tryptophan pyrrolase activity in rats. Reinicke C, et al. Biochem Pharmacol 22:195-203, 15 Jan 73

The effect of glucose ingestion on basal and induced enzyme levels in rat tissues. Greengard O, et al. Biochim Biophys Acta 329:241-50, 5 Dec 73

Proceedings: Effect of hydrocortisone and indomethacin on changes in LDH isoenzymes in skin after thermal injury. Holmes L, et al. Br J Pharmacol 44:325P, Feb 72

Cyclic adenosine 3',5'-monophosphate and cell volume. Curtis GL, et al. Cancer Res 33:3273-7, Dec 73

Protective effect of benzoflavone and estrogen against 7,12-dimethylbenz(a)anthracene- and aflatoxin-induced cytotoxicity in cultured liver cells. Schwartz AG. Cancer Res 34:10-5, Jan 74

Studies on the mechanism of resistance to lymphocytolysis induced by corticosteroids. Turnell RW, et al. Cancer Res 34:39-42, Jan 74

The effect of hydrocortisone on the incorporation of tritiated thymidine by human blood lymphocytes cultured with phytohaemagglutinin and pokeweed mitogen. Hellman DH, et al. Clin Exp Immunol 15:203-12, Oct 73

Conversion of glutamic acid to glutamine by retinal glutamine synthetase. Relf-Lehrer L, et al. Exp Eye Res 17:321-8, 25 Nov 73

The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. Experientia 29:1259-62, 15 Oct 73

Intracellular distribution of pyruvate carboxylase in livers of normal and cortisol treated rats. Walter P, et al. FEBS Lett 37:170-3, 1 Dec 73

Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ. Gen Comp Endocrinol 21:441-50, Dec 73

Pituitary regulation of serum calcium levels in the killifish, *Fundulus heteroclitus* L. Pang PK, et al. Gen Comp Endocrinol 21:536-42, Dec 73

The thymus in relation to problems of cellular growth and ageing. Bellamy D. Gerontologia 19:162-84, 1973 (72 ref.)

The 5-methylcytosine in DNA of rats. Tissue and age specificity and the changes induced by hydrocortisone and other agents. Vanyushin BF, et al. Gerontologia 19:138-52, 1973

Effect of cortisol on the level of pyridoxal phosphate-dependent enzymes in the rat liver: new supports for antagonism between female sex hormones and cortisol. Lefauconnier JM, et al. Horm Metab Res 5:372-5, Sep 73

Studies on the cultivation of mammalian cell lines in a serum-free, chemically defined medium. Higuchi K, et al. In Vitro 9:114-121, Sep-Oct 73

Effects of endotoxin on gluconeogenesis, glycogen synthesis, and liver glycogen synthase in mice. McCallum RE, et al. Infect Immun 7:642-54, Apr 73

RNA turnover in bound and free ribosomes from rat liver. Effects of cortisol, actinomycin D, and cycloheximide. Izawa M, et al. J Biochem (Tokyo) 74:823-6, Sep 73

The effect of in vivo hydrocortisone on subpopulations

- of human lymphocytes. Fauci AS, et al.
J Clin Invest 53:240-6, Jan 74
- Influence of the adrenal glands on the sialic acid content of submaxillary and retrolingual glands in the rat. Curbelo HM, et al.
J Dent Res 52:1265-7, Nov-Dec 73
- Efficacy of sample combustion techniques for tritium recovery after tritiated cortisol injections in pregnant A-Jax mice. Wood NK, et al.
J Dent Res 52:1340, Nov-Dec 73
- In vitro studies of the influence of hormones on tail regeneration in adult *Diemictylus viridescens*. Vethamany-Globus S, et al.
J Embryol Exp Morphol 30:397-413, Oct 73
- The thymic suppressor cell. I. Separation of subpopulations with suppressor activity. Ha TY, et al.
J Exp Med 139:13-23, 1 Jan 74
- In vitro effects of prolactin and cortisol on water permeability of the urinary bladder of the teleost *Gillichthys mirabilis*. Doneen BA, et al.
J Exp Zool 187:173-9, Jan 74
- Effects of administration of hydrocortisone on the renal and biliary excretion of ampicillin in the dog. Johnson BL Jr, et al. *J Infect Dis* 129:37-44, Jan 74
- Inhibition of DNA and protein synthesis in melanocytes by a melanoma extract. Seiji M, et al.
J Invest Dermatol 62:11-9, Jan 74
- Connective tissue activation. VI. The effects of cyclic nucleotides on human synovial cells in vitro. Castor CW. *J Lab Clin Med* 83:47-55, Jan 74
- Steroid-induced nuclear binding of glucocorticoid receptors in intact hepatoma cells. Rousseau GG, et al.
J Mol Biol 79:539-54, 25 Sep 73
- The effect of estrogen, progesterone and cortisol on gingival inflammation. Deasy MJ, et al.
J Periodont Res 7:111-24, 1972
- An electron microscopic study of phagocytosis of *Candida albicans* by polymorphonuclear leukocytes. Belcher RW, et al. *Lab Invest* 29:620-7, Dec 73
- Letter: Hormonal protection of cytomegalovirus-infected cell. Diosi P, et al.
Lancet 2:1503-4, 29 Dec 73
- Further evidence against post-transcriptional control of inducible tyrosine aminotransferase synthesis in cultured hepatoma cells. Kenney FT, et al.
Nature [New Biol] 246:208-10, 19 Dec 73
- Corticosteroid enhancement of renal vascular lesions due to endotoxin in rabbits. Marcel GA, et al.
Pathol Biol (Paris) 21:Suppl:19-23, Nov 73
- Effects of cortisol on immune cytotoxicity. Tolone G, et al.
Pathol Microbiol (Basel) 40:30-6, 1974
- Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al.
Physiol Behav 11:787-90, Dec 73
- Adrenocortical influences upon the extinction of an appetitive runway response. Hennessey JW, et al.
Physiol Behav 11:767-70, Dec 73
- Regulation of hepatic glycogen synthesis during fetal development: roles of hydrocortisone, insulin, and insulin receptors. Eisen HJ, et al.
Proc Natl Acad Sci USA 70:3454-7, Dec 73
- Some aspects of cerebral protein metabolism in relation to age and species. Hormonal influences. Ardeleanu A, et al. *Rev Roum Physiol* 10:369-77, 1973
- Effect of cortisol on the eosinophils in the rat spleen. Autoradiographic studies. Bro-Rasmussen F.
Scand J Haematol 11:59-70, 1973
- Corticosteroids and arteriosclerosis. The effect of adrenocortical steroids on the capillary filtration rate. Ranlov P, et al. *Scand J Rheumatol* 2:157-60, 1973
- Tryptophan pyrrolase in rat liver after phenobarbital administration. Selfert J. *Toxicology* 1:179-86, Sep 73
- Effects of testosterone, hydrocortisone and insulin on the fine structure of the epithellum of rat ventral prostate in organ culture. Ichihara I, et al.
Z Zellforsch Mikrosk Anat 143:425-38, 18 Oct 73
- [Free and membrane-bound ribosomes in rat liver: daily rhythm and hormonal influences (author's transl)] Dieminger L.
Z Naturforsch [C] 28:66-71, Jan-Feb 73 (Eng. Abstr.) (Ger)
- [Morphological characteristics and pathogenesis of experimental pyocyanic sepsis] Ballabin AA.
Arkh Patol 35:26-31, 1973 (Eng. Abstr.) (Rus)
- [Effect of a single administration of hydrocortisone on the ultrastructure of rabbit lymph nodes] Zak KP, et al. *Arkh Patol* 35:22-9, 1973 (Eng. Abstr.) (Rus)
- [Effect of hydrocortisone on the oxidative processes in the aqueous humor and ciliary body (experimental

- study)] Bunin A Ia, et al.
Vestn Oftalmol 3:24-8, 1973 (Eng. Abstr.) (Rus)
- [Corticosteroid regulation of hematopoiesis in fishes] Gil'dieva BS, et al.
Zh Evol Biokhim Fiziol 9:144-9, Mar-Apr 73 (Eng. Abstr.) (Rus)
- [Effect of repeated injections of hydrocortisone in combination of RNA on protein metabolism in rat organs] Germaniuk IaL, et al.
Ukr Biokhim Zh 45:428-31, Jul-Aug 73 (Eng. Abstr.) (Ukr)

PHYSIOLOGY

- Regulation of skeletal growth by sulfation factor. Daughaday WH.
Adv Intern Med 17:237-63, 1973 (70 ref.)
- Hormones, amino acids, and malnutrition.
Nutr Rev 31:306-8, Oct 73 (6 ref.)

SECRETION

- Growth hormone and cortisol secretion in man. Laisi U, et al. *Acta Physiol Scand* 89:192-7, Oct 73
- Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al. *Am J Physiol* 225:1306-10, Dec 73
- Metabolic effects of ACTH in the sheep. Scoggins BA, et al. *Am J Physiol* 226:198-205, Jan 74
- Effects of exercise on adrenocortical function. Davies CT, et al. *J Appl Physiol* 35:887-91, Dec 73
- Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Scott HW Jr.
Proc Natl Cancer Conf 7:513-21, 1973
- The effect of bedrest on adrenal function. Leach CS, et al. *Space Life Sci* 4:415-23, Sep-Dec 73
- [Episodic secretion of cortisol in Cushing's syndrome (author's transl)] Armbruster H, et al.
Klin Wochenschr 51:1025-6, 15 Oct 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Combined therapeutic trial in multiple sclerosis: hydrocortisone hemisuccinate with cyclophosphamide or cytosine arabinoside. Cendrowski W. *Acta Neurol Belg* 73:209-19, Jul-Aug 73
- The effect of clonazepam (Ro 5-4023) in the syndrome of infantile spasms with hypsarrhythmia and in petit mal variant of Lennox syndrome. Preliminary report. Dumermuth G, et al.
Acta Neurol Scand [Suppl] 28-8, 1973
- Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
Am J Obstet Gynecol 117:955-61, 1 Dec 73
- Case report. Adverse reaction to Althesin. Notcutt WG.
Anaesthesia 28:673-4, Nov 73
- Diseases of the skin. Management of eczema. II. Baker H. *Br Med J* 4:605-7, 8 Dec 73
- Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Vilniska L, et al.
Clin Chim Acta 48:359-65, 15 Nov 73
- Effects of hydrocortisone treatment and whole body irradiation on mouse lymphocyte stimulation in vitro. Rühl H, et al. *Immunology* 25:753-60, Nov 73
- Symptomatic treatment of adults with bronchial asthma. Richerson HB.
Med Clin North Am 58:135-45, Jan 74 (30 ref.)
- Tarsal tunnel syndrome. Mann RA.
Orthop Clin North Am 5:109-15, Jan 74
- A controlled trial of hydrocortisone therapy in infants with respiratory distress syndrome: II. Pathology. Taeusch HW Jr, et al. *Pediatrics* 52:850-4, Dec 73
- Proceedings: Medical aspects of ulcerative colitis in childhood. Truelove SC.
Proc R Soc Med 66:1032-4, Oct 73
- [Use of corticosteroids in toxic shock] Bismuth C.
Eur J Toxicol 6:168-70, May-Jun 73 (Eng. Abstr.) (Fre)
- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W.
Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)
- [Occupation-medical aspects on periarthritic diseases] Erichsen E.
Tidsskr Nor Laegeforen 93:2358-60, 20 Nov 73 (Eng. Abstr.) (Nor)
- [Comparison of the action of strophanthin-K, strophantholin acetate and hydrocortisone on the

HYDROCORTISONE

ADRENAL

- metabolic processes in rheumatism] Ardamatskiĭ NA, et al. *Vrach Delo* 5:25-9, May 73 (Eng. Abstr.) (Rus)
[Intravenous hormone-chemotherapy of patients with chronic forms of pulmonary tuberculosis] Iurchenko NF. *Vrach Delo* 8:12-3, Aug 73 (Rus)
[Comparative evaluation of 2 methods of conservative treatment of chronic highmoritis in children] Evdoshchenko EA, et al.
Zh Ushn Nos Gori Bolezn 33:89-92, Jul-Aug 73 (Rus)
[Therapy of secondary female sterility] Drobnjak P. *Lijec Vjesn* 95:519-21, Sep 73 (Cro)

TOXICITY

- Sensitivity of embryos and intraspecies differences in mice in response to prenatal administration of corticoids. Dostál M, et al. *Teratology* 8:245-52, Dec 73

URINE

- Urinary excretion of free cortisol in hypercalcaemia. Schonoau Jorgensen F, et al.
Acta Endocrinol (Kbh) 74:122-6, Sep 73
Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy. Shackleton CH, et al.
Acta Endocrinol (Kbh) 74:157-67, Sep 73
Fluorometric measurement of urinary free hydrocortisone (cortisol). Ratliff CR, et al.
Clin Chem 19:1400-2, Dec 73
Stimulation of drug metabolism in man by tricyclic antidepressants. O'Malley K, et al.
Eur J Clin Pharmacol 6:102-6, Aug 73
Metabolism of cortisol by the human newborn infant. Danilescu-Goldinberg D, et al.
J Clin Endocrinol Metab 38:64-70, Jan 74
Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al.
J Urol 110:710-3, Dec 73
Artificial elevation of free cortisol. Cave WT Jr, et al.
N Engl J Med 289:870, 18 Oct 73
The effect of bedrest on adrenal function. Leach CS, et al. *Space Life Sci* 4:415-23, Sep-Dec 73
[Determination of free urinary cortisol. Its value in Cushing's syndrome] Gicquel JP, et al.
Nouv Presse Med 2:2683-4, 10 Nov 73 (Fre)
[Quantitative determination of cortisol and its metabolites in urine following their division by the method of thin-layer chromatography on silica gel] Savushkina AS, et al. *Lab Delo* 9:566-7, 1973 (Rus)
[Hormonal activity of adrenal glands in patients with primary lesion of the hypothalamic region] Dobrin Bju, et al. *Sov Med* 36:8-11, Sep 73 (Eng. Abstr.) (Rus)

HYDROCORTISONE, TOPICAL

ADMINISTRATION & DOSAGE

- Mucosal biopsy in ulcerative colitis for evaluating topical hydrocortisone therapy. Kratzer GL, et al. *Dis Colon Rectum* 16:468-72, Nov-Dec 73

METABOLISM

- Percutaneous penetration of hydrocortisone with urea. Feldmann RJ, et al. *Arch Dermatol* 109:58-9, Jan 74
[In vitro-penetration of radiolabelled hydrocortisone in various vehicles in human skin (author's transl)] Zesch A, et al.
Arch Dermatol Forsch 246:335-54, 28 May 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- Artificial elevation of free cortisol. Cave WT Jr, et al. *N Engl J Med* 289:870, 18 Oct 73

THERAPEUTIC USE

- Mucosal biopsy in ulcerative colitis for evaluating topical hydrocortisone therapy. Kratzer GL, et al. *Dis Colon Rectum* 16:468-72, Nov-Dec 73
[Treatment of uveitis in the course of rheumatoid arthritis in children] Pletrowa N, et al.
Reumatologia 11:355-62, 1973 (Eng. Abstr.) (Pol)

17-HYDROXYCORTICOSTEROIDS

- Pituitary and gonadal function in chromatin positive

- XXY Klinefelter's syndrome. Shiral M, et al. *Tohoku J Exp Med* 110:347-57, Aug 73

ANALYSIS

- [Functional state of the adrenal cortex in diabetes mellitus under health resort treatment at Yessentuki] Nanazlashvili IS, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 38:409-14, 1973 (Rus)

BLOOD

- Adrenal glucocorticoid function in acute viral infections in children. Zeltoun MM, et al.
Acta Paediatr Scand 62:608-14, Nov 73
Dynamic response of the intact canine adrenal to infused ACTH. Lake RB, et al.
Ann Biomed Eng 1:56-68, Sep 72
Plasma unconjugated and conjugated 17-hydroxycorticosteroids in different clinical disorders. Pal SB.
Clin Endocrinol (Oxf) 2:141-51, Apr 73
The adrenal cortex and water conservation in desert rodents. Haggag G, et al.
Comp Biochem Physiol [A] 47:351-9, Jan 74
[Objective evaluation of a new minor tranquilizer D-40 TA as pre-anesthetic medication--with adrenal cortex function as an indicator] Kimura K, et al.
Jap J Anesthesiol 22:802-8, Aug 73 (Eng. Abstr.) (Jap)
[Current state of the adrenal cortex function studies in children] Iurkov IuA, et al.
Pediatratria 52:72-9, Apr 73 (135 ref.) (Rus)
[State of the cardiac function and certain neuro-humoral mechanisms of its regulation in children and adolescents with primary arterial hypertension] Korenev NM.
Pediatratria 52:17-22, Apr 73 (Eng. Abstr.) (Rus)

METABOLISM

- [Function of hypophysis and adrenal cortex in thyrotoxicosis before and during treatment with radiolodine] Babadzhanova Stu, et al.
Probl Endokrinol (Mosk) 19:17-20, Nov-Dec 73 (Eng. Abstr.) (Rus)
[Glucocorticoid function of the adrenal glands in patients with cerebral nanism] Polovotskaia GM, et al.
Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Eng. Abstr.) (Rus)

SECRETION

- Location of vagal receptors controlling adrenal corticosteroid secretion. Cryer GL, et al.
Am J Physiol 225:1346-50, Dec 73
[Current state of the adrenal cortex function studies in children] Iurkov IuA, et al.
Pediatratria 52:72-9, Apr 73 (135 ref.) (Rus)

URINE

- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73
Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73
Plasma testosterone and androstenedione after orchectomy in prostatic adenocarcinoma. Sclarra F, et al. *Clin Endocrinol (Oxf)* 2:101-9, Apr 73
An evaluation of the androgenic activity in threatened abortion. Krawczuk A, et al.
Endokrinologie 61:161-7, May 73
Stimulation of drug metabolism in man by tricyclic antidepressants. O'Malley K, et al.
Eur J Clin Pharmacol 6:102-6, Aug 73
Metabolism of testosterone and dihydrotestosterone in the hirsute female. Concolino G, et al.
Folia Endocrinol (Roma) 26:293-307, Aug 73
Familial congenital adrenal hypoplasia. Brook CG, et al. *Helv Paediatr Acta* 28:277-82, Oct 73
Metabolism of cortisol by the human newborn infant. Danilescu-Goldinberg D, et al.
J Clin Endocrinol Metab 38:64-70, Jan 74
Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al.
J Pediatr Surg 5:949-50, Dec 73
Effect of physical exercise on the urinary excretion of

ADRENAL

17-KETOSTEROIDS

- catecholamines and 17-hydroxycorticosteroids in young healthy men. Sarviharju PJ.
J Sports Med Phys Fitness 13:171-6, Sep 73
- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al.
J Urol 110:710-3, Dec 73
- Artifactual elevation of free cortisol. Cave WT Jr, et al.
N Engl J Med 289:870, 18 Oct 73
- Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. Urology 2:666-8, Dec 73
- [Combination of ACTH dexamethazone and HCG in the differential diagnosis of hirsutism and polycystic ovaries (author's transl)] Divila F, et al.
Cesk Gynecol 38:627-9, Sep 73 (Cze)
- [Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
- [Subacute sclerosing panencephalitis in a 7-year-old boy (author's transl)] Exas R, et al.
Monatsschr Kinderheilkd 121:686-8, Nov 73 (Eng. Abstr.) (Ger)
- [Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al.
Folia Endocrinol (Roma) 26:268-80, Aug 73 (Eng. Abstr.) (Ita)
- [Circadian aspects of the ACTH-secretory system in essential arterial hypertension] Ferrari E, et al.
Folia Endocrinol (Roma) 26:412-21, Oct 73 (Ita)
- [Chrono-regulation and function of the hypothalamo-hypophyseal-adrenal system in anorexia nervosa] Ferrari E, et al.
Folia Endocrinol (Roma) 26:422-34, Oct 73 (Ita)
- [Endocrinological analysis of Takayasu's disease (author's transl)] Numano F, et al.
J Jap Soc Intern Med 62:918-29, Aug 73 (Jap)
- [Triamcinolone in clinical tests] Kasperlik-Zaluska A, et al.
Endokrynol Pol 24:323-7, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Clinical evaluation of triamcinolone effect on inhibiting the corticotropic activity of the hypophysis] Pawlikowski T, et al.
Endokrynol Pol 24:329-32, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Role of social synchronizers in adaptation to unusual daily schedules] Stepanova SI.
Kosm Biol Med 7:65-72, Jan-Feb 73 (Eng. Abstr.) (Rus)
- [Analysis of mechanisms of human resistance to decompression of the lower half of the body] Suvorov PM, et al.
Kosm Biol Med 6:56-9, Nov-Dec 72 (Eng. Abstr.) (Rus)
- [Quantitative determination of cortisol and its metabolites in urine following their division by the method of thin-layer chromatography on silica gel] Savushkina AS, et al. Lab Delo 9:566-7, 1973 (Rus)
- [Functional state of the adrenal cortex and immunological reaction of the body to smallpox vaccination in children with allergic diathesis] Drinevskii VP.
Pediatria 52:44-7, Apr 73 (Eng. Abstr.) (Rus)
- [Glucocorticoid activity of the adrenal cortex in patients with diabetes mellitus from the aspect of age] Bezverkhala TP, et al.
Probl Endokrinol (Mosk) 19:3-8, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Pathogenesis of severe forms of alopecia areata] Vinokurov IN.
Sov Med 35:127-31, Oct 72 (Eng. Abstr.) (Rus)

HYDROXYCORTICOSTEROIDS

ADMINISTRATION & DOSAGE

- Topical corticosteroids: a comparison in the treatment of eczema and psoriasis in general practice. Marks JH, et al. J R Coll Gen Pract 23:225-7, Mar 73

BLOOD

- Letter: Hormonal protection of cytomegalovirus-infected cell. Diosi P, et al.
Lancet 2:1503-4, 29 Dec 73

SECRETION

- A correlation study between adrenal function and the duration of sustained ACTH treatments in the rat.

- Lantos CP, et al.
Acta Physiol Lat Am 23:277-87, Apr 73

URINE

- The excretion of 17-deoxycorticosteroids by women pregnant with a normal or an anencephalic fetus. Diver MJ, et al. Clin Endocrinol (Oxf) 2:227-32, Jul 73
- Stimulation of drug metabolism in man by tricyclic antidepressants. O'Malley K, et al.
Eur J Clin Pharmacol 6:102-6, Aug 73
- Metabolism of cortisol by the human newborn infant. Danilescu-Goldinberg D, et al.
J Clin Endocrinol Metab 38:64-70, Jan 74

17-KETOSTEROIDS

- Selective deuterium labeling of steroidal estrogens. Block JH, et al. Steroids 22:591-6, Nov 73

BIOSYNTHESIS

- Proceedings: Regulation of human adrenal androstenedione synthesis in vitro. Deshpande N, et al. J Endocrinol 59:xxxv, Nov 73
- [Investigations of the structural and functional conditions of the postmenopause ovaries in patients with carcinomas of the corpus and neck (author's transl)] Mestwerdt W, et al.
Munch Med Wochenschr 115:1796-805, 12 Oct 73 (Eng. Abstr.) (Ger)

METABOLISM

- Androgen metabolism in the skin of hirsute women. Thomas JP, et al.
J Clin Endocrinol Metab 38:19-22, Jan 74
- [Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)

SECRETION

- Misdiagnosis of endometrial adenocarcinoma in a 27-year old woman with adrenocortical tumor. Grattarola R. Oncology 28:246-52, 1973
- [Genetic, endocrine and anatomohistological aspects of testicular feminization] Marsico S, et al.
Ann Ostet Ginecol Med Perinat 94:54-66, Jan 73 (Ita)

URINE

- Beclomethasone dipropionate aerosol effect on the adrenals in normal persons. Mygind N, et al.
Acta Allergol (Kbh) 28:211-8, Sep 73
- Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Scheike O, et al.
Acta Pathol Microbiol Scand [A] 81:352-8, May 73
- Idiopathic gynecomastia in seven preadolescent boys. Elevation of urinary estrogen excretion in two cases. Latorre H, et al. Am J Dis Child 126:771-3, Dec 73
- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73
- Male infertility caused by abnormal androgen production in the adrenal cortex. Koumans J. Andrologie 4:379-84, 1972
- Practical aspects of the use of some psychological tests of anxiety in a situation of stress. Bridges PK.
Br J Psychiatry 123:587-96, Nov 73
- Local effect of intranasal beclomethasone dipropionate aerosol in hay fever. Mygind N.
Br Med J 4:464-6, 24 Nov 73
- Plasma testosterone and androstenedione after orchiectomy in prostatic adenocarcinoma. Sclarra F, et al. Clin Endocrinol (Oxf) 2:101-9, Apr 73
- Failure to thrive, vomiting, and undescended testes in a two-month-old boy. Ziai M, et al.
Clin Pediatr (Phila) 12:31A, Nov 73
- The adrenal cortex and water conservation in desert rodents. Haggag G, et al.
Comp Biochem Physiol [A] 47:351-9, Jan 74
- The circannual variations of some of the hormones of the woodchuck (Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 46:523-35, 1 Nov 73
- An evaluation of the androgenic activity in threatened abortion. Krawczuk A, et al.
Endokrinologie 61:161-7, May 73

- Metabolism of testosterone and dihydrotestosterone in the hirsute female. Concolino G, et al.
Folia Endocrinol (Roma) 26:293-307, Aug 73
- Adrenocortical responsiveness after long-term corticosteroid therapy in childhood nephrosis. Kohayashi A, et al. *Hely Paediatr Acta* 28:341-8, Oct 73
- A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al.
J Clin Endocrinol Metab 38:126-33, Jan 74
- Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
- Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al. *J Pediatr Surg* 5:949-50, Dec 73
- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrilove JL, et al.
J Urol 110:710-3, Dec 73
- Basic results of a study of bilateral adrenalectomy for advanced breast cancer. Urinary steroids and related data in 148 patients. Sarfaty G, et al.
Med J Aust 2:877-81, 10 Nov 73
- Artificial elevation of free cortisol. Cave WT Jr, et al. *N Engl J Med* 289:870, 18 Oct 73
- Physical training in human obesity. II. Effects on plasma insulin in glucose-intolerant subjects without marked hyperinsulinemia. Björntorp P, et al.
Scand J Clin Lab Invest 32:41-5, Aug 73
- Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al.
Tohoku J Exp Med 110:347-57, Aug 73
- Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)
- Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73
- [Combination of ACTH dexamethazone and HCG in the differential diagnosis of hirsutism and polycystic ovaries (author's transl)] Divila F, et al.
Cesk Gynecol 38:627-9, Sep 73 (Cze)
- [Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
- [Investigations of the structural and functional conditions of the postmenopausal ovaries in patients with carcinomas of the corpus and neck (author's transl)] Mestwerdt W, et al.
Munch Med Wochenschr 115:1796-805, 12 Oct 73 (Eng. Abstr.) (Ger)
- [Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al.
Folia Endocrinol (Roma) 26:268-80, Aug 73 (Eng. Abstr.) (Ita)
- [Chrono-regulation and function of the hypothalamo-hypophyseal-adrenal system in anorexia nervosa] Ferrari E, et al.
Folia Endocrinol (Roma) 26:422-34, Oct 73 (Ita)
- [Endocrinological analysis of Takayasu's disease (author's transl)] Numano F, et al.
J Jap Soc Intern Med 62:918-29, Aug 73 (Jap)
- [Clinical evaluation of trimethinone effect on inhibiting the corticotrophic activity of the hypophysis] Pawlikowski T, et al.
Endokrynol Pol 24:329-32, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [The Chiari-Frommel syndrome] Skalha H, et al.
Ginek Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)
- [Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B. *Pol Tyg Lek* 28:1327-8, 20 Aug 73 (17 ref.) (Pol)
- [17-Ketosteroid excretion in patients with endogenous depressive syndromes] Szajnerman Z, et al.
Psychiatr Pol 7:525-9, Sep-Oct 73 (Eng. Abstr.) (Pol)
- [Current state of the adrenal cortex function studies in children] Iurkov IuA, et al.
Pediatrila 52:72-9, Apr 73 (135 ref.) (Rus)
- [Pathogenesis of severe forms of alopecia areata] Vinokurov IN.
Sov Med 35:127-31, Oct 72 (Eng. Abstr.) (Rus)
- [Dynamics of the urinary excretion of 17-ketosteroids in healthy children aged 9-16] Lehed'kova SE, et al.
Vopr Okhr Materin Det 18:29-31, Jul 73 (Eng. Abstr.) (Rus)

KETOSTEROIDS

- 24,25-Dihydroxyvitamin D₃. Synthesis and biological activity. Lam HY, et al.
Biochemistry 12:4851-5, 20 Nov 73
- Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.
Clin Chem 19:1293-5, Nov 73
- Oxidation of 21-dehydrocorticosteroids to steroidal 20-Oxo-21-ols acids by an aldehyde dehydrogenase of sheep adrenal. Monder C, et al.
J Biol Chem 248:8547-54, 25 Dec 73
- Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens, including studies in pruritus gravidarum. Adlercreutz H, et al. *J Clin Endocrinol Metab* 38:51-7, Jan 74
- Steroid metabolism. XXVI. Pyrolysis of some steroid allylic alcohols and hydroperoxides. Smith LL, et al.
Steroids 22:627-35, Nov 73

ADMINISTRATION & DOSAGE

- Topical corticosteroids: a comparison in the treatment of eczema and psoriasis in general practice. Marks JH, et al. *J R Coll Gen Pract* 23:225-7, Mar 73
- Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al.
Obstet Gynecol 43:87-96, Jan 74
- [Egg-laying factor in the hen: 17 alpha-ethyltrenolone] Grandadam JA, et al.
Ann Nutr Aliment 27:163-80, 1973 (Eng. Abstr.) (Fre)

ANALYSIS

- Ferric chloride-impregnated silica gel for thin-layer chromatography of steroids. Shapiro DR, et al.
Clin Chem 19:1305-6, Nov 73
- Proceedings: Central depressant steroids in the ovaries of rats during different phases of the oestrous cycle. Holzhauer M. *J Physiol (Lond)* 234:96P-97P, Oct 73
- Steroids from starfish. Shelkh YM, et al.
Steroids 22:835-50, Dec 73
- [Topochemical demonstration of carbonyl compounds in the thymus (author's transl)] Möllmann H, et al.
Z Zellforsch Mikrosk Anat 142:465-77, 1973 (Eng. Abstr.) (Ger)

CHEMICAL SYNTHESIS

- Studies on conformation and reactivity. XII. Acetolysis and stereospecific rearrangement of 4-homocholest-4-en-3-one. Koga T, et al.
J Chem Soc [Perkin I] 17:1848-51, 1973

ISOLATION & PURIFICATION

- Methandienone-I. A convenient method for the separation of 17alpha-methyl-17beta-hydroxyandrost-1,4-dien-3-one and 17alpha-methyl-17beta-hydroxyandrost-1,4,6-trien-3-one. Lala AK, et al. *Steroids* 22:763-6, Dec 73

METABOLISM

- Enzymatic oxidation and reduction of C19-delta⁵-3beta-hydroxysteroids by hepatic microsomes. 3. Critical period for the neonatal differentiation of certain mixed-function oxidases. Tahel T, et al. *Endocrinology* 91:97-103, Jan 74
- Microbiological hydroxylation of steroids. IX. Hydroxylation of diketones and keto-alcohols derived from 5 alpha-androstane with the fungi *Rhizopus arrhizus* and *Rhizopus circinnans*. Steroidal 18- and 19-proton magnetic resonance signals. Bell AM, et al.
J Chem Soc [Perkin I] 19:2131-6, 1973
- Microbiological hydroxylation of steroids. X. 1 beta, 11 alpha-dihydroxylation of 3 beta-hydroxy-5 alpha-pregn-20-one and the hydroxylation of other 20-oxo-5 alpha-pregnanes with the fungus *Aspergillus ochraceus*. Clegg AS, et al.
J Chem Soc [Perkin I] 19:2137-41, 1973
- Proceedings: Studies on the metabolism of the odoriferous ketones, 5alpha-androst-16-en-3-one and androst-4,16-dien-3-one, by the nasal epithelium of the mature and immature sow. Gennings JN, et al.
J Endocrinol 59:xxxvii, Nov 73
- Detection of heat-labile *Escherichia coli* enterotoxin

ADRENAL

MINERALOCORTICOIDS

with the use of adrenal cells in tissue culture. Donta ST, et al. *Science* 183:334-6, 25 Jan 74
Influence of dietary bile acids on formation of bile acids in rat. Danielsson H. *Steroids* 22:667-76, Nov 73
[Egg-laying factor in the hen: 17 alpha-ethyltrentolone] Grandadam JA, et al. *Ann Nutr Aliment* 27:163-80, 1973 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. *Gynecol Invest* 4:106-20, 1973
Inhibition of steroid synthesis in cultured mouse cells by 7alpha-hydroxycholesterol, 7beta-hydroxycholesterol, and 7-ketocholesterol. Kandutsch AA, et al. *J Biol Chem* 248:8408-17, 25 Dec 73
[Egg-laying factor in the hen: 17 alpha-ethyltrentolone] Grandadam JA, et al. *Ann Nutr Aliment* 27:163-80, 1973 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Letter: Evaluation of desonide cream. Van Scott EJ. *JAMA* 226:1569, 24 Dec 73

URINE

Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens, including studies in pruritus gravidarum. Adlercreutz H, et al. *J Clin Endocrinol Metab* 38:51-7, Jan 74
Metabolism of cortisol by the human newborn infant. Danilescu-Goldinberg D, et al. *J Clin Endocrinol Metab* 38:64-70, Jan 74
A method for the computation of age-dependent reference intervals. Winkel P, et al. *Scand J Clin Lab Invest* 31:481-3, Jun 73

METHYLPREDNISOLONE

Kinetics and factors affecting stability of methylprednisolone in aqueous formulation. Amin MI, et al. *J Pharm Sci* 62:1768-71, Nov 73

ADMINISTRATION & DOSAGE

Beclomethasone dipropionate aerosol effect on the adrenals in normal persons. Mygind N, et al. *Acta Allergol (Kbh)* 28:211-8, Sep 73
Substitution of beclomethasone aerosol for oral prednisolone in the treatment of chronic asthma. Cameron SJ, et al. *Br Med J* 4:205-7, 27 Oct 73
Local effect of intranasal beclomethasone dipropionate aerosol in hay fever. Mygind N. *Br Med J* 4:464-6, 24 Nov 73
Biogenic amine concentrations in traumatized spinal cords of cats. Effect of drug therapy. Naftchi NE, et al. *J Neurosurg* 40:52-7, Jan 74
Splenectomy, steroids, and dextran 70 in thrombotic thrombocytopenic purpura. Cuttner J. *JAMA* 227:397-402, 28 Jan 74
Association between vasopressin and corticosteroids in the palliative treatment of advanced breast cancer. Bernard-Weil E, et al. *Oncology* 28:492-508, 1973
Radioimmunoassay for methylprednisolone (Medrol). Colburn WA, et al. *Steroids* 22:687-98, Nov 73
The efficacy of corticosteroids in severe trauma. Rokkanen P, et al. *Surg Gynecol Obstet* 138:69-73, Jan 74
[Vinblastine + procarbazine + cyclophosphamide association in the treatment of Hodgkin's disease (author's transl)] Chauvergne J, et al. *Z Krebsforsch* 80:179-88, 1 Nov 73 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73
[Conjunctival changes after subconjunctival injection of depot corticosteroids (author's transl)] Boergen KP. *Klin Monatsbl Augenheilkd* 163:363-5, Sep 73 (Eng. Abstr.) (Ger)

BLOOD

Radioimmunoassay for methylprednisolone (Medrol). Colburn WA, et al. *Steroids* 22:687-98, Nov 73

METABOLISM

Competitive inhibition of drug-protein interaction in eye fluids and tissues. Mikkelson TJ, et al. *J Pharm Sci* 62:1942-5, Dec 73

PHARMACODYNAMICS

Thoracic duct lymph flow and acid phosphatase response to steroid in experimental shock. Williams JS, et al. *Ann Surg* 178:777-80, Dec 73
Effects of vasoactive drugs on lysosomal stability in vitro. Alho A. *Biochem Pharmacol* 22:2521-7, 15 Oct 73
Immunodiagnostic test for transplant rejection. Kahan BD, et al. *Lancet* 1:37-42, 12 Jan 74
Immunosuppression and rehabilitation following cadaveric renal transplantation. New developments. Guttman RD, et al. *Urology* 1:102-7, Feb 73

THERAPEUTIC USE

Effect of beclomethasone dipropionate on the diurnal variations in plasma cortisol level. Buissseret PD. *Acta Allergol (Kbh)* 28:126-31, Jul 73
Pathologic changes in baboon lung allografts. Comparison of two immunosuppression regimes. Byers JM 3d, et al. *Ann Surg* 178:754-60, Dec 73
Pharmacologic and mechanical support for managing cardiogenic shock. Dietzman RH, et al. *Geriatrics* 28:69-79, Dec 73
Biogenic amine concentrations in traumatized spinal cords of cats. Effect of drug therapy. Naftchi NE, et al. *J Neurosurg* 40:52-7, Jan 74
Association between vasopressin and corticosteroids in the palliative treatment of advanced breast cancer. Bernard-Weil E, et al. *Oncology* 28:492-508, 1973
The efficacy of corticosteroids in severe trauma. Rokkanen P, et al. *Surg Gynecol Obstet* 138:69-73, Jan 74
Interstitial cystitis following colocolostomy. McGuire EJ, et al. *Urology* 2:28-9, Jul 73
[Vinblastine + procarbazine + cyclophosphamide association in the treatment of Hodgkin's disease (author's transl)] Chauvergne J, et al. *Z Krebsforsch* 80:179-88, 1 Nov 73 (Eng. Abstr.) (Fre)
[Conjunctival changes after subconjunctival injection of depot corticosteroids (author's transl)] Boergen KP. *Klin Monatsbl Augenheilkd* 163:363-5, Sep 73 (Eng. Abstr.) (Ger)
[Panmyelophthisis induced by the treatment of primary-chronic polyarthritis with gold and D-penicillamine] Baier H. *Schweiz Med Wochenschr* 103:1849-52, 22 Dec 73 (Eng. Abstr.) (Ger)
[Cyclophosphamide therapy in kidney transplants] Stummvoll HK, et al. *Wien Z Inn Med* 54:145-9, 1973 (Eng. Abstr.) (Ger)
[Myositis, tendinitis and bursitis in inflammatory rheumatic diseases] Spongsveen KL. *Tidsskr Nor Laegeforen* 93:2351-2, 20 Nov 73 (Eng. Abstr.) (Nor)

MINERALOCORTICOIDS

ADVERSE EFFECTS

Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73

BIOSYNTHESIS

[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blumck W. *Monatsschr Kinderheilkd* 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The role of magnesium and substances promoting the transport of electrolytes. Heidland A, et al. *Acta Cardiol (Brux) Suppl* 17:52-75, 1973
Pharmacodynamic interactions among gluco-

MINERALOCORTICOIDS

ADRENAL

mineralo- and glucomineralocorticoids, pregnenolone-16 α -carbonitrile and various drugs. Szabo S, et al. *J Pharmacol Exp Ther* 188:45-54, Jan 74 [Mechanism of action of diuretics of the anti-aldosterone type] Rorive GL. *Acta Cardiol (Brux) Suppl* 17:291-3, 1973 (Eng. Abstr.) (Fre)

SECRETION

[Adrenal gland carcinoma with mineralocorticoidism, increased plasma-renin activity and normal plasma aldosterone] Rössler R, et al. *Med Welt* 24:1644-7, 26 Oct 73 (Ger)

URINE

[Relationship between the mineralocorticoid activity and the electrolytic changes in pulmonary tuberculosis] Gur'eva IG, et al. *Probl Tuberk* 51:48-53, 1973 (Eng. Abstr.) (Rus)

PARAMETHASONE

ADMINISTRATION & DOSAGE

Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al. *Scand J Rheumatol* 2:113-8, 1973

ADVERSE EFFECTS

Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al. *Scand J Rheumatol* 2:113-8, 1973

THERAPEUTIC USE

Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al. *Scand J Rheumatol* 2:113-8, 1973

PREDNISOLONE

Physiology of mast cells. IV. Role of blood transport in the transformation of mast cells. Csaba G, et al. *Acta Biol Acad Sci Hung* 23:369-76, 1972

ADMINISTRATION & DOSAGE

Substitution of beclomethasone aerosol for oral prednisolone in the treatment of chronic asthma. Cameron SJ, et al. *Br Med J* 4:205-7, 27 Oct 73
Norwegian scabies during immunosuppressive therapy. Paterson WD, et al. *Br Med J* 4:211-2, 27 Oct 73
A survival case of myxedema coma of pituitary origin. Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73
Synergistic effects of bis(3-methylsulfonyloxypropyl)-amine toluenesulfonate (864-T) with 6-mercaptopurine and other antitumor agents. Imamura H, et al. *Gann* 64:427-31, Oct 73

L-asparaginase treatment in acute leukemia of childhood. Suvatte V, et al. *J Med Assoc Thai* 56:634-44, Nov 73

Polymyalgia rheumatica and liver disease. Long R, et al. *Lancet* 1:77-9, 19 Jan 74

Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al. *Scand J Rheumatol* 2:113-8, 1973

Role of splenectomy in renal transplantation. Bennett WM, et al. *Urology* 2:542-5, Nov 73

Re-excretion of feline viral rhinotracheitis virus following corticosteroid treatment. Gaskell RM, et al. *Vet Rec* 93:204-5, 18 Aug 73

[Impulse cytophotometric studies on proliferation kinetics of synovial fluid cells (author's transl)] Klein G, et al.

Wien Klin Wochenschr 85:774-8, 23 Nov 73 (Eng. Abstr.) (Ger)

[Severe acute renal rejection and acute renal insufficiency (author's transl)] Schmidt P, et al. *Wien Klin Wochenschr* 85:781-3, 23 Nov 73 (Eng. Abstr.) (Ger)

[Successful treatment of hemangioma with

prednisolone] Léb J, et al. *Orv Hetil* 115:33-4, 6 Jan 74 (Hun)

[Therapy of the nephrotic syndrome in children] Linneweb F. *Minerva Med* 64:4007-9, 27 Oct 73 (Ita)

[Plasma insulin levels in endocrine diseases. 3. Plasma insulin levels in patients with adrenal gland diseases and during steroid treatment] Ikeda M. *Folia Endocrinol Jap* 49:1286-96, Oct 73 (Eng. Abstr.) (Jap)

ADVERSE EFFECTS

Pterional orbital decompression in progressive opthalmopathy of Graves' disease. I. Short-term effects. Agverre P, et al. *Acta Ophthalmol (Kbh)* 51:461-74, 1973

Behçet's disease with recurrent facial paralysis. Aggarwal JL. *Br J Ophthalmol* 57:704-5, Sep 73

Sudden gigantism of breasts: drug induced? Desai SN. *Br J Plast Surg* 26:371-2, Oct 73

Immunosuppressive drugs in active chronic hepatitis. *Drug Ther Bull* 11:87-8, 26 Oct 73

Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al.

Scand J Rheumatol 2:113-8, 1973

[Pancreatitis and glucocorticoid therapy] Kovács E, et al.

Z Gesamte Inn Med 28:629-33, 15 Oct 73 (Eng. Abstr.) (Ger)

[Weber-Christian disease] Slepynin VI, et al. *Arkhy Patol* 35:64-7, 1973 (Eng. Abstr.) (Rus)

[3 cases of spontaneous pneumothorax during bormone therapy] Potapova EA, et al.

Probl Tuberk 51:85-6, 1973 (Rus)

[Intestinal hemorrhage in infectious hepatitis as a complication of prednisolone therapy] Ovchinnikov IuM. *Vrach Delo* 9:147-8, Sep 73 (Rus)

ANALYSIS

[Studies on drug dispersion with special reference to suspension ointments. Light microscopical methods to register and to demonstrate dispersion and changes of dispersion] Horach W, et al. *Pharmazie* 28:455-60, Jul 73 (Ger)

DIAGNOSTIC USE

[Hypercalcemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. *Med Klin* 68:1365-70, 15 Oct 73 (Eng. Abstr.) (Ger)

[Remission phases in diabetes mellitus] Schneider H, et al. *Z Aerzt Fortbild (Jena)* 67:666-70, 1 Jul 73 (Ger)

METABOLISM

[Effect of certain antirheumatic substances on the content of fucose combined with biopolymers in the gastric juice, blood and urine in patients with rheumatism] Borisenko NA. *Ter Arkh* 45:34-7, Jan 73 (Rus)

PHARMACODYNAMICS

Idiopathic nephrotic syndrome of childhood: cyclophosphamide induced conversion from steroid refractory to highly steroid sensitive disease.

Bergstrand A, et al. *Clin Nephrol* 1:302-6, Sep-Oct 73

Relationships between the thymus and islets of Langerhans. Csaba G, et al.

Endokrinologie 61:271-5, May 73

The Berry Lecture. Studies of the gastric mucosal barrier-its relevance to clinical gastric disease. Sillen W. *Guys Hosp Rep* 121:247-57, 1972

Editorial: Steroid induced peptic ulcer. Majumdar SK. *J Indian Med Assoc* 60:471, 16 Jun 73

Factors affecting glycogen levels in HeLa cells: prednisolone and adenine nucleotides. Melnykovych G, et al. *J Natl Cancer Inst* 51:353-60, Aug 73

Adrenocortical cell deletion: the role of ACTH. Wyllie AH, et al. *J Pathol* 111:85-94, Oct 73

Effects of corticosteroid and radiation on lymphoid tissue in mice. Comparisons and mutual interactions.

Lundin P, et al. *Lymphology* 6:158-66, Sep 73

Enzyme response to prednisolone and dibutyladenosine 3',5'-monophosphate in human fetal liver.

Kirby L, et al. *Pediatr Res* 8:37-41, Jan 74

[Effect of systemically administered prednisolone and methotrexate on lactate dehydrogenase activity of

ADRENAL

PREDNISOLONE, TOPICAL

- the human epidermis] Ottinger M, et al.
Arzneim Forsch 23:1035-7, Aug 73 (Eng. Abstr.) (Ger)
 [Influence of corticosteroids prednisolone acetate and triamcinolone on human bone marrow in vitro (author's transl)] Weissenfels I, et al.
Klin Wochenschr 51:907-14, 15 Sep 73 (Eng. Abstr.) (Ger)
 [Plasma insulin levels in endocrine diseases. 3. Plasma insulin levels in patients with adrenal gland diseases and during steroid treatment] Ikeda M.
Folia Endocrinol Jap 49:1286-96, Oct 73 (Eng. Abstr.) (Jap)
 [Pharmacological studies on
 N-benzoyl-N'-phenyl-2,6-diaminobenzoic acid (F-1). 1. Anti-inflammatory action] Fujimura H, et al.
Folia Pharmacol Jap 69:765-87, Sep 73 (Eng. Abstr.) (Jap)

THERAPEUTIC USE

- Pterional orbital decompression in progressive ophthalmopathy of Graves' disease. I. Short-term effects. Algvere P, et al.
Acta Ophthalmol (Kbh) 51:461-74, 1973
 Thyroid optic neuropathy: to decompress or not? Crawford BA. *Aust J Ophthalmol* 1:6-11, Feb 73
 Behçet's disease with recurrent facial paralysis. Aggarwal JL. *Br J Ophthalmol* 57:704-5, Sep 73
 Diseases of the skin. Management of eczema. II. Baker H. *Br Med J* 4:605-7, 8 Dec 73
 Mortality in systemic lupus erythematosus: a 10-year review. Feng PH, et al. *Br Med J* 4:772-4, 29 Dec 73
 Norwegian scabies during immunosuppressive therapy. Paterson WD, et al. *Br Med J* 4:211-2, 27 Oct 73
 In vitro studies of lymphocytes from patients with plasma cell myeloma. I. Stimulation by mitogens and cytotoxic activities. Mellstedt H, et al.
Clin Exp Immunol 15:309-20, Nov 73
 In vitro studies of lymphocytes from patients with plasma cell myeloma. II. Characterization by cell surface markers. Mellstedt H, et al.
Clin Exp Immunol 15:321-30, Nov 73
 Sclerosing cholangitis. Wbelton MJ.
Clin Gastroenterol 2:163-73, Jan 73 (17 ref.)
 Idiopathic nephrotic syndrome of childhood: cyclophosphamide induced conversion from steroid refractory to highly steroid sensitive disease. Bergstrand A, et al. *Clin Nephrol* 1:302-6, Sep-Oct 73
 Treatment of acute myelogenous leukemia with 6-MPR. Sblmano S, et al. *Curr Ther Res* 16:15-23, Jan 74
 Prednisolone for idiopathic (Bell's) facial palsy. *Drug Ther Bull* 11:69-70, 31 Aug 73
 A survival case of myxedema coma of pituitary origin. Murase T, et al. *Endocrinol Jap* 20:331-4, Jun 73
 Synergistic effects of
 bis(3-methylsulfonyloxypropyl)-amine
 toluenesulfonate (864-T) with 6-mercaptopurine and other antitumor agents. Imamura H, et al.
Gann 64:427-31, Oct 73
 Treatment of a case of factor VIII inhibitor in an elderly female. Denbam MJ, et al.
Gerontol Clin (Basel) 15:10-4, 1973
 Fecal fat excretion far exceeding total fat intake: report of a case. Desal HG, et al.
Indian J Med Sci 27:471-5, Jun 73
 Acute short incubation hepatitis. Sacbdev YR.
J Indian Med Assoc 60:462-6, 16 Jun 73
 L-asparaginase treatment in acute leukemia of childhood. Suvatte V, et al.
J Med Assoc Thai 56:634-44, Nov 73
 The bradycardia-tachycardia syndrome. Treatment with cardiac drugs and adrenal corticosteroid. Fujii J, et al. *Jap Heart J* 14:414-31, Sep 73
 Polymyalgia rheumatica and liver disease. Long R, et al.
Lancet 1:77-9, 19 Jan 74
 Sarcoidosis with cardiac involvement. McTaggart DR.
Med J Aust 2:689-90, 6 Oct 73
 Therapeutic use of corticosteroids in dentistry. A review. Gee JK. *NY State Dent J* 40:89-96, Feb 74
 Polymyalgia rheumatica. Macleod M.
Practitioner 211:351-3, Sep 73
 Proceedings: Medical aspects of ulcerative colitis in childhood. Truelove SC.
Proc R Soc Med 66:1032-4, Oct 73
 IgA deficiency and autoimmune haemolytic anaemia. Bergström K, et al. *Scand J Haematol* 11:87-91, 1973
 Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Gullberg R, et al.
Scand J Rheumatol 2:113-8, 1973

- Measurement of systemic inflammatory activity in rheumatoid arthritis by the ^{99m}Tc method. Oka M, et al. *Scand J Rheumatol* 2:101-7, 1973
 Role of splenectomy in renal transplantation. Bennett WM, et al. *Urology* 2:542-5, Nov 73
 [Complications of streptococcal angina] Dacby A. *Brux Med* 53:637-41, Nov 73 (Fre)
 [Immature cell panmyelosis] Melster H, et al.
Acta Haematol (Basel) 50:174-83, 1973 (Ger)
 [Letter: Temporal arteritis] Segenthaler W.
Dtsch Med Wochenschr 98:2096, 2 Nov 73 (Ger)
 [The effect of dynexan and corti-dynexan on gingivitis] Stein H.
Dtsch Zahnärztl Z 28:1105-9, Nov 73 (Eng. Abstr.) (Ger)
 [Problems concerning differential diagnosis in transversal lesions of the spinal cord (author's transl)] Fröscher W, et al.
Med Klin 68:1357-61, 15 Oct 73 (Eng. Abstr.) (Ger)
 [A case contribution to the clinical aspects of plasmacytoma] Holtgrave E, et al.
Schweiz Monatsschr Zahnheilkd 83:1274-9, Nov 73 (Eng. Abstr.) (Ger)
 [Proceedings: Clinical-biochemical parallels in the indication for hormone therapy in pulmonary tuberculosis] Bartmanow NJ.
Z Erkr Atmungsorgane 138:100-3, 1973 (Ger)
 [Pancreatitis and glucocorticoid therapy] Kovács E, et al.
Z Gesamte Inn Med 28:629-33, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Wissler's allergic subsepsis in the adult age] Meinel H.
Z Gesamte Inn Med 28:633-8, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Successful treatment of hemangioma with prednisolone] Léb J, et al.
Orv Hetil 115:33-4, 6 Jan 74 (Hun)
 [Therapeutic experiences in chronic active hepatitis and active cirrhosis] Pár A, et al.
Orv Hetil 114:3133-9, 30 Dec 73 (Hun)
 [Case of temporal arteritis] Pchelintsev VP.
Klin Med (Mosk) 51:128-30, Jan 73 (Rus)
 [Drug therapy of lymphogranulomatosis] Lorie IuI, et al.
Med Radiol (Mosk) 18:32-7, May 73 (Eng. Abstr.) (Rus)
 [3 cases of spontaneous pneumothorax during hormone therapy] Potapova EA, et al.
Probl Tuberk 51:85-6, 1973 (Rus)
 [Clinical aspects and immediate results of treatment of the restricted forms of destructive pulmonary tuberculosis] Sansus NP, et al.
Probl Tuberk 51:31-4, 1973 (Eng. Abstr.) (Rus)
 [Experience with the vaccine-drug therapy of brucellosis accompanied by changes in the state of allergic reactivity] Lopatina ZhM.
Sov Med 36:72-6, May 73 (Eng. Abstr.) (Rus)
 [Effect of certain antirheumatic substances on the content of fucose combined with biopolymers in the gastric juice, blood and urine in patients with rheumatism] Borisenko NA.
Ter Arkh 45:34-7, Jan 73 (Rus)
 [Treatment of acute leukemias] Brilliant MD.
Ter Arkh 45:72-85, Sep 73 (37 ref.) (Rus)
 [Asthmatic condition in bronchial asthma and its treatment] Iurenev PN, et al.
Ter Arkh 45:31-40, 1973 (Eng. Abstr.) (Rus)
 [Present-day clinical picture of acute leukemia] Lorie IuI, et al.
Ter Arkh 45:67-72, Sep 73 (Eng. Abstr.) (Rus)
 [Intestinal hemorrhage in infectious hepatitis as a complication of prednisolone therapy] Ovchinnikov IuM. *Vrach Delo* 9:147-8, Sep 73 (Rus)
 [Dynamics of some coagulation and other indices in bormono-medicinal treatment of rheumatism] Vitruk SK. *Vrach Delo* 9:66-70, Sep 73 (Eng. Abstr.) (Rus)

PREDNISOLONE, TOPICAL

ADMINISTRATION & DOSAGE

- [Treatment of catarrhal and catarrho-erosive colitis with Repredsol (a new combination drug for topical application)] Sirakov P. *Vutr Boles* 12:92-7, 1973 (Bul)

PHARMACODYNAMICS

- [Reflexphotometric determinations of vasoconstriction after topical application of steroids. Method, reliability, errors (author's transl)] Zaun H,

et al.
Arch Dermatol Forsch 247:379-86, 1973 (Eng. Abstr.)
(Ger)

THERAPEUTIC USE

[A case of gingival retraction with healing] Madsen KL.
Tandlaegebladet 77:824-6, Aug 73 (Dan)
[The topical application of Dantisolon R and Dantisolon
P in inflammatory periodontal disease]
Reitelmann-Stojanovi L.
Stomatol Glas Srb 20:15-23, Jan-Feb 73 (Ser)

PREDNISONE

ADMINISTRATION & DOSAGE

Effect of several drugs on gastric potential difference
in man. Murray HS, et al. Br Med J 1:19-21, 5 Jan 74
Rapidly progressive glomerulonephritis with linear
fluorescence in a kidney transplant. Gluckman JC, et
al. Clin Nephrol 1:40-5, Jan-Feb 73
Management of the nephrotic syndrome. Linshaw MA,
et al. Clin Pediatr (Phila) 13:45-51, Jan 74 (19 ref.)
Modification of 1-tyrosine-induced keratopathy by
adrenal corticosteroids. Burns RP, et al.
Invest Ophthalmol 13:39-45, Jan 74
Splenectomy, steroids, and dextran 70 in thrombotic
thrombocytopenic purpura. Cuttner J.
JAMA 227:397-402, 28 Jan 74
Letter: P.H.A. response and steroid therapy. Braeman
J, et al. Lancet 1:28, 5 Jan 74
Multiple dermatofibromas in patients with systemic
lupus erythematosus on immunosuppressive therapy.
Newman DM, et al. N Engl J Med 289:842-3, 18 Oct 73
Gradually increasing doses of prednisone in myasthenia
gravis. Reducing the hazards of treatment. Seybold
ME, et al. N Engl J Med 290:81-4, 10 Jan 74
Corticosteroids and femoral head necrosis. Boerbooms
AM, et al. Neth J Med 16:267-73, 1973
Evaluation of digital joint circumference
measurements in rheumatoid arthritis. Wehli J, et al.
Scand J Rheumatol 2:127-31, 1973
Management of the nephrotic syndrome. Daeschner
CW. South Med J 67:97-104, Jan 74
The diagnosis and treatment of hyperparathyroidism
after renal homotransplantation. Gels WP, et al.
Surg Gynecol Obstet 137:997-1010, Dec 73
An evaluation of five drug combination chemotherapy
in the management of recurrent carcinoma of the
breast. Lee JM, et al.
Surg Gynecol Obstet 138:77-80, Jan 74
Colon perforations associated with steroid therapy.
Sterloff S, et al. Surgery 75:56-8, Jan 74
Immunosuppression and rehabilitation following
cadaveric renal transplantation. New developments.
Guttmann RD, et al. Urology 1:102-7, Feb 73
Editorial: Diffuse proliferative lupus nephritis.
Evaluation of therapy. McVicar MI, et al.
Urology 1:174-6, Feb 73
Urinary tract infection after renal transplantation.
Mahon FB Jr, et al. Urology 1:579-81, Jun 73
[Advances in the therapy of acute lymphoblastic
leukemia in children] Běluša M, et al.
Cesk Pediatr 28:674-6, Dec 73 (Eng. Abstr.) (Cze)
[The treatment of hypercalcemia in infancy] Podgoraki
J, et al. Minerva Med 64:4003-4, 27 Oct 73 (Ita)

ADVERSE EFFECTS

Pneumothorax complicated by chronic steroid
treatment. Eastridge CE, et al.
Am J Surg 126:784-7, Dec 73
Disseminated mycobacteriosis due to Mycobacterium
abscessus in two recipients of renal homografts.
Grayhill JR, et al. Am Rev Respir Dis 109:4-10, Jan 74
Recovery from severe cytomegalovirus pneumonia in a
renal transplant patient. Jeffery JR, et al.
Am Rev Respir Dis 109:129-33, Jan 74
Preoperative evaluation and preparation of the patient.
Solosko D. Int Ophthalmol Clin 13:61-82, Summer 73
Effects of synthetic ACTH on corticosteroid-induced
growth suppression. Wright WC, et al.
J Allergy Clin Immunol 53:52-63, Jan 74
Letter: Extreme hyperkalemia due to rapid lysis of
leukaemic cells. Fennelly JJ, et al. Lancet 1:27, 5 Jan 74
Gradually increasing doses of prednisone in myasthenia
gravis. Reducing the hazards of treatment. Seybold
ME, et al. N Engl J Med 290:81-4, 10 Jan 74

Corticosteroids and femoral head necrosis. Boerbooms
AM, et al. Neth J Med 16:267-73, 1973
Combination chemotherapy with cyclophosphamide,
vinblastine, procarbazine and prednisone in the
treatment of malignant lymphomas. Host H, et al.
Scand J Haematol 10:170-6, 1973
Colon perforations associated with steroid therapy.
Sterloff S, et al. Surgery 75:56-8, Jan 74
Editorial: Diffuse proliferative lupus nephritis.
Evaluation of therapy. McVicar MI, et al.
Urology 1:174-6, Feb 73

PHARMACODYNAMICS

Differential studies on the mechanism of serum
androgen and androgen-binding abnormalities in
hirsutism. Wieland RG, et al.
Am J Obstet Gynecol 117:983-6, 1 Dec 73
Complement inhibition after canine and human renal
allotransplantation. Spitzer RE, et al.
Ann Surg 178:791-9, Dec 73
Effect of several drugs on gastric potential difference
in man. Murray HS, et al. Br Med J 1:19-21, 5 Jan 74
Rapidly progressive glomerulonephritis with linear
fluorescence in a kidney transplant. Gluckman JC, et
al. Clin Nephrol 1:40-5, Jan-Feb 73
Immunodiagnostic test for transplant rejection. Kahan
BD, et al. Lancet 1:37-42, 12 Jan 74
Comparison of circulating and peritoneal leukocyte
cationic proteins in release of histamine from rat mast
cells. Coffey RG. Life Sci 13:1117-30, 16 Oct 73
The diagnosis and treatment of hyperparathyroidism
after renal homotransplantation. Gels WP, et al.
Surg Gynecol Obstet 137:997-1010, Dec 73
Acute urinary retention following renal
transplantation. Schliff M Jr, et al.
Urology 1:108-10, Feb 73

THERAPEUTIC USE

Acquired factor IX deficiency. A report of two cases.
Ozsoylu S, et al. Acta Haematol (Basel) 50:305-14, 1973
The ophthalmologic form of the
Guillain-Barre syndrome: an immunologic study.
Behan PO, et al.
Acta Ophthalmol (Kbh) 51:529-42, 1973
Hyperthyroidism and adult celiac disease. Wall AJ, et
al. Am J Gastroenterol 60:387-93, Oct 73
Massive azathioprine overdose. Case report and review
of the literature. Carney DM, et al.
Am J Med 56:133-6, Jan 74
Immunosuppressive therapy of chronic idiopathic
thrombocytopenic purpura. Finch SC, et al.
Am J Med 56:4-12, Jan 74
Pregnancy and azathioprine in systemic lupus
erythematosus. Sharon E, et al.
Am J Obstet Gynecol 118:25-8, 1 Jan 74
Nephrotic syndrome in pregnancy. Clinical, histologic
and fine structural studies. Weisman SA, et al.
Am J Obstet Gynecol 117:867-83, 1 Dec 73
Pneumothorax complicated by chronic steroid
treatment. Eastridge CE, et al.
Am J Surg 126:784-7, Dec 73
Male infertility caused by abnormal androgen
production in the adrenal cortex. Koumans J.
Andrologie 4:379-84, 1972
Thrombasthenic-thrombopathic thrombocytopenia
with giant, "swiss-cheese" platelets. A case report.
Smith TP, et al. Ann Intern Med 79:828-34, Dec 73
Methotrexate therapy in polymyositis. Arnett FC, et al.
Ann Rheum Dis 32:536-46, Nov 73
Complement inhibition after canine and human renal
allotransplantation. Spitzer RE, et al.
Ann Surg 178:791-9, Dec 73
Lupus erythematosus and porphyria. Coexistence in
seven patients. Cram DL, et al.
Arch Dermatol 108:779-84, Dec 73
Childhood leukemia presenting in the central nervous
system. Pole JG. Arch Dis Child 48:867-71, Nov 73
Unusual complications of lophendylate injection
myelography. Report of a case and review. Tabaddor
K. Arch Neurol 29:435-6, Dec 73
Proptosis secondary to systemic lupus erythematosus.
Brenner EH, et al. Arch Ophthalmol 91:81-2, Jan 74
Bell palsy. Dilemma of diabetes mellitus. Adour KK, et
al. Arch Otolaryngol 99:114-7, Feb 74
Cricopharyngeal achalasia in dermatomyositis.
Porushky ES, et al. Arch Otolaryngol 98:428-9, Dec 73
Generic equivalents. Healey LA.
Arthritis Rheum 16:775, Nov-Dec 73

- Cell-mediated immunity in acute nonlymphocytic leukemia: relationship to host factors, therapy, and prognosis. Greene WH, et al. *Blood* 43:1-14, Jan 74
- Factors that influence the appearance of central nervous system leukemia. Pavlovsky S, et al. *Blood* 42:935-8, Dec 73
- Photosensitivity due to the 'sunburn' ultraviolet content of white fluorescent lamps. Kohza A, et al. *Br J Dermatol* 89:351-9, Oct 73
- Back diffusion of hydrogen ions across gastric mucosa of patients with gastric ulcer and rheumatoid arthritis. Ivey KJ, et al. *Br Med J* 1:16-9, 5 Jan 74
- Effect of several drugs on gastric potential difference in man. Murray HS, et al. *Br Med J* 1:19-21, 5 Jan 74
- A phase 2 evaluation of 1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (NSC 95441) in patients with advanced breast cancer. Ahmann DL, et al. *Cancer Res* 34:27-30, Jan 74
- Comparative chemotherapy of AKR lymphoma and human hematological neoplasia. Frei E 3d, et al. *Cancer Res* 34:184-93, Jan 74
- Combination therapy in 130 patients with acute lymphoblastic leukemia (protocol 06 LA 66-Paris). Jacquillat C, et al. *Cancer Res* 33:3278-84, Dec 73
- Response of thymoma to steroids. Green JD, et al. *Chest* 65:114-6, Jan 74
- Letter: Dermatomyositis: urinary chromatographic findings by alkaline autoanalysis for peptides (one case). Gross S, et al. *Clin Chem* 19:1412-3, Dec 73
- Patterns and clusters-multivariate approach for interpreting clinical chemistry results. Winkel P. *Clin Chem* 19:1329-38, Dec 73 (58 ref.)
- Leucocyte migration inhibition with aggregated gamma globulin in patients with rheumatoid arthritis. Brostoff J, et al. *Clin Exp Immunol* 15:1-7, Sep 73
- Inhibition of leucocyte migration as an index of rejection in renal transplant recipients. Richmond DE, et al. *Clin Exp Immunol* 15:17-25, Sep 73
- Management of the nephrotic syndrome. Linshaw MA, et al. *Clin Pediatr (Phila)* 13:45-51, Jan 74 (19 ref.)
- Virus-like inclusions in systemic lupus erythematosus. Report of an atypical case diagnosed by electron microscopic evidence of virus-like nucleoproteins. Zaino EC, et al. *Clin Pediatr (Phila)* 12:672-4, Nov 73
- Clinicopathologic correlations in 100 children with the nephrotic syndrome. Srivastava RN, et al. *Indian Pediatr* 10:287-97, May 73
- The control of neuritis in leprosy with clobazimine. Pfaltzgraff RE. *Int J Leprosy* 40:392-8, Oct-Dec 72
- Effects of synthetic ACTH on corticosteroid-induced growth suppression. Wright WC, et al. *J Allergy Clin Immunol* 53:52-63, Jan 74
- Giant cell arteritis—the need for prolonged treatment. Beevers DG, et al. *J Chronic Dis* 26:571-84, Sep 73
- Chemotherapy of multiple myeloma. Ungaro P. *J Ky Med Assoc* 71:805-7, Dec 73
- Relapse of Feity's syndrome following splenectomy. Boone AW, et al. *J Maine Med Assoc* 64:266-7, Dec 73
- Clinical and pathologic study of canine lymphoma: clinical staging, cell classification, and therapy. Squire RA, et al. *J Natl Cancer Inst* 51:565-74, Aug 73
- Fusarium solani infection during treatment for acute leukemia. Cho CT, et al. *J Pediatr* 83:1028-31, Dec 73
- Clinical significance of antinuclear antibodies with hypocomplementemia. Morris JL, et al. *Johns Hopkins Med J* 133:321-8, Dec 73
- Proteus polyarthritis complicating systemic lupus erythematosus. Morris JL, et al. *Johns Hopkins Med J* 133:282-9, Nov 73
- Letter: P.H.A. response and steroid therapy. Braeman J, et al. *Lancet* 1:28, 5 Jan 74
- Symptomatic treatment of adults with bronchial asthma. Richerson HB. *Med Clin North Am* 58:135-45, Jan 74 (30 ref.)
- Multiple dermatofibromas in patients with systemic lupus erythematosus on immunosuppressive therapy. Newman DM, et al. *N Engl J Med* 289:842-3, 18 Oct 73
- Gradually increasing doses of prednisone in myasthenia gravis. Reducing the hazards of treatment. Seybold ME, et al. *N Engl J Med* 290:81-4, 10 Jan 74
- Therapeutic use of corticosteroids in dentistry. A review. Gee JK. *NY State Dent J* 40:89-96, Feb 74
- The association of autoimmune thrombocytopenia and Hodgkin's disease. Khilnani R, et al. *Oncology* 28:238-45, 1973
- The Irvine-Gass syndrome. Egger EG. *Ophthalmologica* 167:443-5, 1973
- Thymoma associated with pure red cell aplasia and hypogammaglobulinemia. Vasavada PJ, et al. *Postgrad Med* 54:93-8, Dec 73
- The Cronkhite-Canada syndrome. Cotterill JA, et al. *Postgrad Med J* 49:268-73, Apr 73
- Proceedings: The chronic leukemias: current therapeutic concepts. Canellos GP, et al. *Proc Natl Cancer Conf* 7:351-7, 1973
- Proceedings: Malignant lymphoma: treatment with combination chemotherapy. De Vita VT, et al. *Proc Natl Cancer Conf* 7:379-90, 1973 (36 ref.)
- Proceedings: Management of acute leukemia. Freireich EJ, et al. *Proc Natl Cancer Conf* 7:345-9, 1973
- Oxymetholone therapy in children with aplastic and other refractory anaemias. Krawitz S, et al. *S Afr Med J* 47:1864-70, 13 Oct 73
- The nephrotic syndrome in Bantu and Indian patients. A clinicopathological study. Seedat YK. *S Afr Med J* 47:2237-41, 24 Nov 73
- Prognosis of myelomatosis on treatment with prednisone and cytostatics. Hansen OP, et al. *Scand J Haematol* 10:282-90, 1973
- Combination chemotherapy with cyclophosphamide, vinblastine, procarbazine and prednisone in the treatment of malignant lymphomas. Host H, et al. *Scand J Haematol* 10:170-6, 1973
- Paroxysmal nocturnal haemoglobinuria and chronic myeloid leukaemia in the same patient. Tso SC, et al. *Scand J Haematol* 10:384-9, 1973
- A human IgA-myeloma protein with anti-streptococcal hyaluronidase (ASH) activity. Videbaek A, et al. *Scand J Haematol* 10:181-5, 1973
- Evaluation of digital joint circumference measurements in rheumatoid arthritis. Wehbi J, et al. *Scand J Rheumatol* 2:127-31, 1973
- Chemotherapy of the lymphomas. McElwain TJ. *Semin Hematol* 11:59-72, Jan 74
- Acute lymphocytic leukemia in childhood. Simone J. *Semin Hematol* 11:25-39, Jan 74
- Leukemoid reaction: an unusual manifestation of autoimmune hemolytic anemia. Porter WG, et al. *South Med J* 67:79-80, Jan 74
- An evaluation of five drug combination chemotherapy in the management of recurrent carcinoma of the breast. Lee JM, et al. *Surg Gynecol Obstet* 138:77-80, Jan 74
- Search for BK and SV40 virus reactivation in renal transplant recipients. Shah KV, et al. *Transplantation* 17:131-4, 1 Jan 74
- Polymyositis with vesical dysfunction. Gollmhu M, et al. *Urology* 1:600-3, Jun 73
- Successful renal transplantation after forty-five hours of extracorporeal perfusion. McCullough DL, et al. *Urology* 2:615-8, Dec 73
- Interstitial cystitis following colostomy. McGuire EJ, et al. *Urology* 2:28-9, Jul 73
- Editorial: Diffuse proliferative lupus nephritis. Evaluation of therapy. McVicar MI, et al. *Urology* 1:174-6, Feb 73
- [Combined Chinese and Western therapy in nephrotic syndrome] *Chin Med J* 10:613-8, 1973 (Eng. Abstr.) (Chi)
- [Glucocorticoids in the treatment of non-specific and specific gynaecological inflammations (author's transl)] Kohoutek M, et al. *Cesk Gynkol* 38:594-5, Sep 73 (Cze)
- [Advances in the therapy of acute lymphoblastic leukemia in children] Běluša M, et al. *Cesk Pediatr* 28:674-6, Dec 73 (Eng. Abstr.) (Cze)
- [Immunosuppressive treatment of idiopathic thrombocytopenia in children] Hrodek O, et al. *Cesk Pediatr* 28:457-61, Sep 73 (Eng. Abstr.) (Cze)
- [Significance of glucocorticoids in the therapy of nonspecific and specific gynecologic inflammations] Kohoutek M. *Sb Ved Pr Lek Fak Karlovy Univ [Suppl]* 15:Suppl 2:159-69, Feb 73 (Eng. Abstr.) (Cze)
- [Polymyositis] Kuthan F, et al. *Vnitř Lek* 19:966-71, Oct 73 (Eng. Abstr.) (Cze)
- [Prognosis in myelomatosis treated with prednisone and cytostatics] Hansen OP, et al. *Ugeskr Laeger* 135:1169-73, 4 Jun 73 (Eng. Abstr.) (Dan)
- [Cytostatic combination therapy in metastatic breast cancer] Mouridsen HT. *Ugeskr Laeger* 135:1336-40, 21 Jun 73 (Eng. Abstr.) (Dan)
- [Cholostatic forms of viral hepatitis] Laverdant C, et al. *Ann Med Interne (Paris)* 124:607-10, Aug-Sep 73 (Fre)
- [Surgery in the therapeutic strategy for Hodgkin's disease] Alberto P, et al. *Helv Chir Acta* 40:679-85, Dec 73 (Fre)
- [Correction by L-dopa of neurologic manifestations of a

PREDNISONE

- chronic portocaval encephalopathy] Girard PF, et al.
Rev Neurol (Paris) 127:560-3, Nov 72 (Fre)
 [Letter: Temporal arteritis] Siegenthaler W.
Dtsch Med Wochenschr 98:2098, 2 Nov 73 (Ger)
 [Progress in combination chemotherapy of malignant lymphomas (author's transl)] Senn HJ.
Praxis 62:1589-94, 18 Dec 73 (Eng. Abstr.) (Ger)
 [Internistic management of malignant lymphoma] Sauter C.
Schweiz Med Wochenschr 103:1318-21, 22 Sep 73 (Eng. Abstr.) (Ger)
 [Rules of current therapy in multiple myeloma] Sonntag RW.
Schweiz Med Wochenschr 103:1324-9, 22 Sep 73 (Eng. Abstr.) (Ger)
 [Proceedings: Clinical-biochemical parallels in the indication for hormone therapy in pulmonary tuberculosis] Bartmanow NJ.
Z Erkr Atmungsorgane 138:100-3, 1973 (Ger)
 [Gold therapy and agranulocytosis] Müller WH, et al.
Z Gesamte Inn Med 28:457-62, 1 Aug 73 (Eng. Abstr.) (Ger)
 [Acute leukemia in adults] Gjerdal T, et al.
Tidsskr Nor Laegeforen 93:1973-8, 20 Sep 73 (Nor)
 [Polymyalgia rheumatica] Kogstad O.
Tidsskr Nor Laegeforen 93:2348-50, 20 Nov 73 (Eng. Abstr.) (Nor)
 [Castration and chemotherapy as a part of the primary surgical treatment of breast cancer] Nissen-Meyer R.
Tidsskr Nor Laegeforen 93:1914-6, 20 Sep 73 (Nor)
 [Hirsutism] Baron J.
Endokrynol Pol 24:413-27, Nov-Dec 73 (Pol)
 [Comparison of therapeutic effects of various immunosuppressive drugs in rheumatoid arthritis] Bogdanikowa B, et al.
Pol Arch Med Wewn 50:1019-25, 1973 (Eng. Abstr.) (Pol)
 [Keloid of the pinnae] Nazarov GI.
Vestn Otorinolaringol 35:94, Nov-Dec 73 (Rus)

TOXICITY

- Management of the nephrotic syndrome. Linshaw MA, et al. *Clin Pediatr (Phila)* 13:45-51, Jan 74 (19 ref.)

PREGNANETRIOL

ANALYSIS

- Endogenous steroid sulphates and glucuronides in the gallbladder bile from early and mid-term human fetuses. Huhtaniemi I. *J Endocrinol* 59:503-10, Dec 73

THERAPEUTIC USE

- Letter: Evaluation of desonide cream. Van Scott EJ. *JAMA* 226:1569, 24 Dec 73

URINE

- Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy. Sbackleton CH, et al.
Acta Endocrinol (Kbh) 74:157-67, Sep 73
 Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. *Br Med J* 1:11-3, 5 Jan 74
 An evaluation of the androgenic activity in threatened abortion. Krawczuk A, et al.
Endokrinologie 61:161-7, May 73
 Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al.
J Urol 110:710-3, Dec 73

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

- The influence of triamcinolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypophysis into blood. Lesnik H, et al. *Endokrynol Pol* 24:479-83, Nov-Dec 73
 Intraleisional triamcinolone therapy in herpes zoster and postzoster neuralgia. Epstein E.
Eye Ear Nose Throat Mon 52:416-7, Nov 73
 [Triamcinolone in clinical tests] Kasperlik-Zaluska A, et al.
Endokrynol Pol 24:323-7, Jul-Aug 73 (Eng. Abstr.) (Pol)

ADRENAL

ADVERSE EFFECTS

- [Weber-Christian disease] Slepynin VI, et al.
Ark Patol 35:64-7, 1973 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

- [Triamcinolone in clinical tests] Kasperlik-Zaluska A, et al.
Endokrynol Pol 24:323-7, Jul-Aug 73 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

- Lymphocytes in some hypereosinophilic states. Rebhun J. *Ann Allergy* 31:590-5, Dec 73
 The influence of triamcinolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypophysis into blood. Lesnik H, et al. *Endokrynol Pol* 24:479-83, Nov-Dec 73
 Letter: Effect of various steroids and ACTH on methypyrion plasma levels and sleeping time in rats. Kourounakis P, et al.
J Pharm Pharmacol 25:670-2, Aug 73
 Effect of various steroids and ACTH on distribution of zoxazolamine in rats. Kourounakis P, et al.
J Pharm Sci 62:1946-9, Dec 73
 Pharmacodynamic interactions among gluco-, mineralo- and glucocorticosteroids, pregnenolone-16alpha-carbonitrile and various drugs. Szabo S, et al. *J Pharmacol Exp Ther* 188:45-54, Jan 74
 [Reflexphotometric determinations of vasoconstriction after topical application of steroids. Method, reliability, errors (author's transl)] Zaun H, et al.
Arch Dermatol Forsch 247:379-86, 1973 (Eng. Abstr.) (Ger)
 [Influence of corticosteroids prednisolone acetate and triamcinolone on human bone marrow in vitro (author's transl)] Weissenfels I, et al.
Klin Wochenschr 51:907-14, 15 Sep 73 (Eng. Abstr.) (Ger)
 [Clinical evaluation of trimcinolone effect on inhibiting the corticotropic activity of the hypophysis] Pawlikowski T, et al.
Endokrynol Pol 24:329-32, Jul-Aug 73 (Eng. Abstr.) (Pol)

THERAPEUTIC USE

- Severe scarring secondary to chickenpox. A case report. Smith B, et al. *Br J Plast Surg* 26:344-5, Oct 73
 Intraleisional triamcinolone therapy in herpes zoster and postzoster neuralgia. Epstein E.
Eye Ear Nose Throat Mon 52:416-7, Nov 73
 Proceedings: Aluminium hydroxide granuloma. Savage J. *Proc R Soc Med* 66:984-5, Oct 73
 [Letter: Vitiligo] Petzoldt D.
Dtsch Med Wochenschr 99:66, 11 Jan 74 (Ger)

TRIAMCINOLONE ACETONIDE

ADVERSE EFFECTS

- [Letter: Recurrence of tuberculosis due to corticosteroids] Kaiser H.
Dtsch Med Wochenschr 99:26, 4 Jan 74 (Ger)

PHARMACODYNAMICS

- [Reflexphotometric determinations of vasoconstriction after topical application of steroids. Method, reliability, errors (author's transl)] Zaun H, et al.
Arch Dermatol Forsch 247:379-86, 1973 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Treatment of acquired subglottic stenosis. Waggoner LG, et al.
Ann Otol Rhinol Laryngol 82:822-6, Nov-Dec 73
 Lupus erythematosus and porphyria. Coexistence in seven patients. Cram DL, et al.
Arch Dermatol 108:779-84, Dec 73
 [Clinical trial of Albicort Compositum tincture in dermatology] Verfaillie J.
Brux Med 53:689-92, Nov 73 (Fre)
 [Letter: Neuralgia following zoster] Ueberholz FK.
Dtsch Med Wochenschr 98:2098, 2 Nov 73 (Ger)

ADRENAL

TRIAMCINOLONE

[Use of Kenalog (triamcinolone) in chronic diffuse
glomerulonephritis] Paleeva FM.
Ter Arkh 45:103-7, May 73 (Eng. Abstr.) (Rus)

ADRENAL

IV. Related Topics

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

Effect of aminoglutethimide on adrenal cholesterol in patients with Cushing's syndrome. Felt V. *Endocrinol Exp (Bratisl)* 7:293-6, 1973

PHARMACODYNAMICS

Adrenocorticotrophic hormone and dibutyl adenosine cyclic monophosphate-mediated Ca^{2+} uptake by rat adrenal glands. Leier DJ, et al. *Biochim Biophys Acta* 329:196-210, 5 Dec 73
The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. *J Biol Chem* 249:227-33, 10 Jan 74
Effects of adenohipophysectomy and aminoglutethimide on water and electrolyte composition of *Xenopus laevis* Daudin. Edwards BR, et al. *J Endocrinol* 59:623-32, Dec 73
Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al. *Pharmacology* 10:111-22, 1973

THERAPEUTIC USE

ACTH, glucagon and gastrin production by a pancreatic islet cell carcinoma and its treatment. Belchetz PE, et al. *Clin Endocrinol (Oxf)* 2:307-16, Oct 73

DDD

ADMINISTRATION & DOSAGE

Effect of social stress and steroids on antibody production. Gross WB, et al. *Avian Dis* 17:807-15, Oct-Dec 73

ANALYSIS

Some organochlorine pesticide residues in wildlife of the Northern Territory, Australia, 1970-71. Best SM. *Aust J Biol Sci* 26:1161-70, Oct 73
Organochlorine insecticide residues in a bathyl-demersal fish from 2,500 meters. Melth-Avcin N, et al. *Environ Lett* 5:215-21, May 73
Placental transfer of DDT in beef cattle. Rumsey TS, et al. *J Anim Sci* 37:1186-90, Nov 73
Pesticide residues in natural fish populations of the Smoky Hill river of Western Kansas--1967-69. Klaassen HE, et al. *Pestic Monit J* 7:53-61, Jun 73
Organochlorine pesticide residues and polychlorinated biphenyls in human milk, Colorado--1971-72. Savage EP, et al. *Pestic Monit J* 7:1-5, Jun 73

PHARMACODYNAMICS

Effect of social stress and steroids on antibody production. Gross WB, et al. *Avian Dis* 17:807-15, Oct-Dec 73
Distribution and biochemical effects of DDT, DDD and DDE in penned double-crested cormorants. Grelichus YA, et al. *Toxicol Appl Pharmacol* 26:483-94, Dec 73

THERAPEUTIC USE

Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. *Cancer* 32:1227-35, Nov 73
Adrenal cortical carcinoma: a case report. Judy JC, et al. *J Med Assoc Ga* 62:377-9, Nov 73
Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73

METYRAPONE

Adrenal insufficiency and electrophysiological measures of auditory sensitivity. Conn FW, et al. *Am J Physiol* 225:1430-6, Dec 73

ADMINISTRATION & DOSAGE

Effect of social stress and steroids on antibody production. Gross WB, et al. *Avian Dis* 17:807-15, Oct-Dec 73

DIAGNOSTIC USE

Somatotrophic and corticotrophic functions in primary hypothyroidism before and after thyroxine treatment. Minozzi M, et al. *Acta Endocrinol (Kbh)* 74:483-91, Nov 73
Adrenal glucocorticoid function in acute viral infections in children. Zeitoun MM, et al. *Acta Paediatr Scand* 62:608-14, Nov 73
An assessment of the metyrapone test. Shahmanesh M, et al. *Clin Endocrinol (Oxf)* 2:201-6, Jul 73
Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: impaired metyrapone response with failure of catch-up growth. Mendilaharsu H, et al. *J Pediatr* 83:69-76, Jul 73

PHARMACODYNAMICS

Adrenal glucocorticoid function in acute viral infections in children. Zeitoun MM, et al. *Acta Paediatr Scand* 62:608-14, Nov 73
Effect of social stress and steroids on antibody production. Gross WB, et al. *Avian Dis* 17:807-15, Oct-Dec 73
The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. *Experientia* 29:1259-62, 15 Oct 73
Hypothalamo-hypophyseal neurosecretion. II. Hypophysectomy, ACTH and metopron treatment in *Bufo andersoni*. Dixit VP. *Folia Biol (Krakow)* 21:319-27, 1973
The pars intermedia of the mink, *Mustela vison*. Fluorescence, light and electron microscopical studies. Weman B, et al. *Z Zellforsch Mikrosk Anat* 143:313-27, 18 Oct 73
[Chrono-regulation and function of the hypothalamo-hypophyseal-adrenal system in anorexia nervosa] Ferrari E, et al. *Folia Endocrinol (Roma)* 26:422-34, Oct 73 (Ita)

THERAPEUTIC USE

ACTH, glucagon and gastrin production by a pancreatic islet cell carcinoma and its treatment. Belchetz PE, et al. *Clin Endocrinol (Oxf)* 2:307-16, Oct 73
Metyrapone-inhibited oncogenesis in mice inoculated with a murine sarcoma virus. Rettura G, et al. *J Natl Cancer Inst* 51:1983-5, Dec 73
Failure of metopron to protect rats from adrenal hypertension induced by 7,12-dimethylbenz (alpha) anthracene. Kellen JA. *Oncology* 28:299-305, 1973
Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73

PITUITARY-ADRENAL SYSTEM

Electrical stimulation of human thalamic and amygdaloid area and plasma cortisol concentration. Leppaluoto J. *Acta Physiol Scand* 89:187-91, Oct 73
Proceedings: A re-examination of the hypoglycaemia-induced "stress" response of the hypothalamo-pituitary-adrenal axis in patients with rheumatoid arthritis on long-term adrenocorticotrophin (ACTH) therapy. Fleisher MR, et al. *Ann Rheum Dis* 32:595-6, Nov 73
Extinction of a passive avoidance response in

adrenalectomized and demedullated rats. Silva MT. *Behav Biol* 9:553-62, Nov 73

Elevation of plasma glucose levels by mammalian ACTH in the spiny dogfish shark (*Squalus acanthias*). DeRoos R, et al. *Gen Comp Endocrinol* 21:403-9, Dec 73

Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al.

J Pediatr 83:62-8, Jul 73

A comparison of the pituitary adrenal activity elicited by electrical stimulation of preoptic, amygdaloid and hypothalamic sites in the rat brain. Redgate ES, et al.

Neuroendocrinology 12:334-43, 1973

[On the existence of a fast-acting negative feedback control of ACTH-corticosterone secretion (author's transl)] Bucher B, et al.

J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)

[Ultrastructure of adenohipophyseal cells secreting ACTH in rats] Erkoçak A.

Z Mikrosk Anat Forsch 87:229-41, 1973 (Eng. Abstr.) (Fre)

[Chrono-regulation and function of the hypothalamo-hypophyseal-adrenal system in anorexia nervosa] Ferrari E, et al.

Folia Endocrinol (Roma) 26:422-34, Oct 73 (Ita)

[Catecholamines and catecholamine synthesizing enzymes] Yoshinaga K, et al.

Clin Endocrinol (Tokyo) 21:813-9, Aug 73 (63 ref.) (Jap)

DRUG EFFECTS

Suppressive effect of dexamethasone on morphine-induced adrenocorticalogenesis in rat. Kuwamura T, et al. *Endocrinol Jap* 20:359-63, Aug 73

The site of the suppressive action of dexamethasone on pituitary-adrenal activity. Kloet ER de, et al.

Endocrinology 91:61-73, Jan 74

Effects of ACTH on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ.

Gen Comp Endocrinol 21:431-40, Dec 73

Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*. McLeay DJ.

Gen Comp Endocrinol 21:441-50, Dec 73

METABOLISM

The site of the suppressive action of dexamethasone on pituitary-adrenal activity. Kloet ER de, et al.

Endocrinology 91:61-73, Jan 74

PHYSIOPATHOLOGY

[The endocrino-metabolic expression of stress in exertion in sports] Neacșu C.

Rev Roum Physiol 10:397-405, 1973 (Fre)

RENIN

[Pharmacological basis of the symptomatic treatment of arterial hypertension. I. Hemodynamic effects, mechanisms of action and side effects of antihypertensive agents] Fournier A, et al.

Nouv Presse Med 2:2539-46, 27 Oct 73 (Eng. Abstr.) (Fre)

ANALYSIS

Proceedings: Direct estimation of human and dog renin by "Rocket" immunoelectrophoresis. Winch MA, et al.

J Endocrinol 59:43-4, Nov 73

Renin content in subcellular fractions of normal rat kidney extract. Onoyama K, et al.

Jap Heart J 14:440-4, Sep 73

The influence of acute psychic stress situations on biochemical and vegetative parameters of essential hypertensives at the early stage of the disease. Baumann R, et al.

Psychother Psychosom 22:131-40, 1973

Renin production in isolated canine liver-kidney perfusion after treatment of donor animals.

Bhanalaph T, et al. *Urology* 2:509-13, Nov 73

ANTAGONISTS & INHIBITORS

Peptide inhibitors of renin angiotensinogen reaction system. Kokubu T, et al.

Biochem Pharmacol 22:3217-23, 15 Dec 73

Effect of lithium on plasma renin activity. Gutman Y, et al.

Eur J Pharmacol 24:347-51, Dec 73

Plasma phospholipase A2 activity in nephrectomized rats and the question of renin inhibition. Osmond DH, et al.

Proc Soc Exp Biol Med 144:969-73, Dec 73

Kinetics of the renin system. The basis for determination of the different components of the system. Poulsen K.

Scand J Clin Lab Invest 31:3-86, 1973 (370 ref.)

BIOSYNTHESIS

Renin in different tissues, amniotic fluid and plasma of pregnant and non-pregnant rabbits. Eskildsen PC.

Acta Pathol Microbiol Scand [A] 81:263-8, May 73

On the mechanism of suppressed plasma-renin activity during beta-adrenergic blockade with propranolol. Bravo EL, et al.

J Lab Clin Med 83:119-28, Jan 74

Renovascular hypertension. Prospective diagnostic yield in a random access population. Capelli JP, et al.

Urology 1:324-33, Apr 73

BLOOD

Plasma renin like activity (RLA) and angiotensin II levels after major burns. A preliminary report. Doleček R, et al.

Acta Chir Plast (Praha) 15:166-9, 1973

Rapid marked increase in plasma renin in rats treated with inhibitors of the renin system. Effects of 1-sar-8-ala-angiotensin II and of a synthetic converting enzyme inhibitor (nonapeptide, SQ 20.881) on normal and adrenalectomized rats. Bing J.

Acta Pathol Microbiol Scand [A] 81:376-8, May 73

Cause of the prolonged pressor action of renin in nephrectomized rats. Elucidated by means of anti-angiotensin II and of angiotensin-inhibitor (1-sar-8-ala-angiotensin II). Bing J, et al.

Acta Pathol Microbiol Scand [A] 81:247-53, May 73

Renin in different tissues, amniotic fluid and plasma of pregnant and non-pregnant rabbits. Eskildsen PC.

Acta Pathol Microbiol Scand [A] 81:263-8, May 73

Are patients with essential hypertension and low renin protected against stroke and heart attack? Stroobandt R, et al.

Am Heart J 86:781-7, Dec 73

Juxtaglomerular hyperplasia and hyperreninemia in progressive systemic sclerosis complicated acute renal failure. Stone RA, et al.

Am J Med 56:119-23, Jan 74

The renin-aldosterone system in mother and fetus at term. Katz FH, et al.

Am J Obstet Gynecol 118:51-5, 1 Jan 74

Inappropriate renin secretion in pregnancy. Symonds EM, et al.

Am J Obstet Gynecol 118:6-13, 1 Jan 74

Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Braverman B, et al.

Am J Physiol 225:1306-10, Dec 73

Renal venous and peripheral plasma renin activity in renal hypertension in the rat. Leenen FH, et al.

Am J Physiol 225:1513-8, Dec 73

Brain receptors, renin secretion, and renal sodium retention in conscious sheep. Mouw DR, et al.

Am J Physiol 226:56-62, Jan 74

Concentrations of cortisol and renin in the internal spermatic vein of men with varicocele. Lindholmer C, et al.

Andrologie 5:21-2, 1973

Systems analysis of arterial pressure regulation and hypertension. Guyton AC, et al.

Ann Biomed Eng 1:254-81, Dec 73

Renin-secreting Wilms' tumor with severe hypertension. Report of a case and brief review of renin-secreting tumors. Ganguly A, et al.

Ann Intern Med 79:835-7, Dec 73

Impaired renin responsiveness with secondary hypoadosteronism. Gossain VV, et al.

Arch Intern Med 132:885-90, Dec 73

Effect of propranolol on cyclic AMP excretion and plasma renin activity in labile essential hypertension. Hamet P, et al.

Can Med Assoc J 109:1099-103, 1 Dec 73

Cellophane perinephritis hypertension and its reversal in rabbits. Effect on plasma renin, renin substrate, and renal mass. Campbell DJ, et al.

Circ Res 33:105-12, Jul 73

Letter: Low renin in experimental hypertension. Gordon DB. *Circ Res* 33:757, Dec 73

Selective stimulation of renal nerves in the anesthetized dog. Effect on renin release during controlled changes in renal hemodynamics. La Grange RG, et al.

Circ Res 33:704-12, Dec 73

Adrenergic component of renin release induced by

RENIN

- vasodilating antihypertensive drugs in the rat. Pettinger WA, et al. *Circ Res* 33:82-6, Jul 73
- Plasma renin activity: a method for rapid screening by radioimmunoassay and a comparison of two commercially available kits. Goldberg SD, et al. *Clin Chem* 19:1396-9, Dec 73
- Studies on the mechanism of aldosterone-induced hypertension in man. Distler A, et al. *Clin Sci Mol Med* 45:743-50, Dec 73
- The pathophysiology of renin. Berman LB, et al. *Clin Symp* 25:1-35, 1973 (11 ref.)
- Beta-adrenergic blockade and plasma renin activity in borderline hypertension. Slahý A, et al. *Eur J Clin Pharmacol* 6:145-9, Oct 73
- Effect of lithium on plasma renin activity. Gutman Y, et al. *Eur J Pharmacol* 24:347-51, Dec 73
- Increased plasma renin substrate concentration in human malignant hypertension. Rosset E, et al. *Helv Med Acta* 37:235-50, Oct 73
- Proceedings: Renal venous renin secretion and intrarenal haemodynamics in patients with renal artery stenosis. Brech WJ, et al. *J Cardiovasc Surg (Torino)* 14:657-61, Nov-Dec 73
- Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. *J Endocrinol* 59:II-IX, Nov 73
- Plasma renin activity: method of measurement and significance in the diagnosis of hypertension. Figueroa JE, et al. *J La State Med Soc* 125:309-14, Sep 73
- On the mechanism of suppressed plasma-renin activity during beta-adrenergic blockade with propranolol. Bravo EL, et al. *J Lab Clin Med* 83:119-28, Jan 74
- Renin release and ketamine-induced cardiovascular stimulation in the rat. Tanaka K, et al. *J Pharmacol Exp Ther* 188:229-33, Jan 74
- Effects of beta adrenergic blocking agents on plasma renin activity in the conscious rabbit. Weher MA, et al. *J Pharmacol Exp Ther* 188:234-40, Jan 74
- Proceedings: Renin and angiotensin II of extrarenal origin in the plasma of female rabbits. Lumbers ER. *J Physiol (Lond)* 234:94P-95P, Oct 73
- Renovascular hypertension secondary to hydronephrosis in a solitary kidney. Davis RS, et al. *J Urol* 110:724-7, Dec 73
- Renovascular hypertension in a child: Ask-Upmark kidney. Fikri E, et al. *J Urol* 110:728-31, Dec 73
- Pharmacologic management of renovascular hypertension. Chassin MR, et al. *JAMA* 227:421-3, 28 Jan 74
- Treatment of low-renin essential hypertension. Comparison of spirinolactone and a hydrochlorothiazide-triamterene combination. Douglas JG, et al. *JAMA* 227:518-21, 4 Feb 74
- Letter: Thirst control. *JAMA* 226:1570, 24 Dec 73
- Contrastive profiles in two types of renovascular hypertension in rabbits. Fujii J, et al. *Jap Heart J* 14:445-53, Sep 73
- Hypertension and secondary hyperaldosteronism associated with a renin-secreting renal juxtaglomerular-cell tumour. Brown JJ, et al. *Lancet* 2:1228-32, 1 Dec 73
- Letter: Assay of plasma-renin activity. Geoghegan J, et al. *Lancet* 2:1451-2, 22 Dec 73
- The relationship of hypertension and renal failure in scleroderma (progressive systemic sclerosis) to structural and functional abnormalities of the renal cortical circulation. Cannon PJ, et al. *Medicine (Baltimore)* 53:1-46, Jan 74
- Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)
- Plasma renin activity and aldosterone in familial dysautonomia. Rabinowitz D, et al. *Metabolism* 23:1-5, Jan 74
- Perspectives in renovascular hypertension. McClusky OE. *Milit Med* 138:808-10, Dec 73
- Letter: Beta receptors and renin release. Amery A, et al. *N Engl J Med* 290:284, 31 Jan 74
- Renal function in dogs with hypertension induced by immunologic nephritis. Selkurt EE, et al. *Proc Soc Exp Biol Med* 144:295-303, 1 Oct 73
- Kinetics of the renin system. The basis for determination of the different components of the system. Poulsen K. *Scand J Clin Lab Invest* 31:3-86, 1973 (370 ref.)
- Surgical correction of advanced fibromuscular dysplasia of the renal arteries. Belzer FO, et al. *Surgery* 75:31-7, Jan 74
- Renin production in isolated canine liver-kidney

ADRENAL

- perfusion after treatment of donor animals. Bhanalaph T, et al. *Urology* 2:509-13, Nov 73
- Renovascular hypertension. Prospective diagnostic yield in a random access population. Capelli JP, et al. *Urology* 1:324-33, Apr 73
- Aherant renal arteries. Cerny JC, et al. *Urology* 2:623-6, Dec 73
- Estrogen-progesterone combination causing hypertension in latent unilateral ischemic renal disease. Crawford LE Jr, et al. *Urology* 2:683-5, Dec 73
- Plasma renin activity. Comparison of bioassay and radioimmunoassay techniques. Davis RS, et al. *Urology* 1:582-4, Jun 73
- Accelerated hypertension due to intramural dissection of accessory renal artery. Khanna OP, et al. *Urology* 1:130-3, Feb 73
- [Plasma renin activity and its changes after stimulation in patients with thyrotoxicosis] Koev D. *Vutr Boles* 12:65-70, 1973 (Eng. Abstr.) (Bul)
- [The effect of beta-adrenergic blocking agents on plasma renin activity (author's transl)] Slahý A, et al. *Sb Lek* 75:355-63, Nov 73 (Eng. Abstr.) (Cze)
- [Renin determination for the diagnosis, differential therapy and prognosis of hypertension] Werning C. *Hippokrates* 44:329-31, Oct 73 (9 ref.) (Ger)
- [Renin secretion in analbuminaemia (author's transl)] Klaus D, et al. *Klin Wochenschr* 51:969-72, 1 Oct 73 (Eng. Abstr.) (Ger)
- [Adrenal gland carcinoma with mineralocorticoidism, increased plasma-renin activity and normal plasma aldosterone] Rössler R, et al. *Med Welt* 24:1644-7, 26 Oct 73 (Ger)
- [Regulation of renin secretion. II. Integrating function of the juxtaglomerular apparatus] Rössler R, et al. *Med Welt* 24:1356-9, 7 Sep 73 (Ger)
- [Plasma-renin activity under controlled hypotension using trimethaphan] Schmelzle R, et al. *Med Welt* 24:1648-9, 26 Oct 73 (Ger)
- [Some observations on the mechanism of increase of plasma renin activity in hyperthyroidism (author's transl)] Azumi T. *Jap J Nephrol* 15:401-13, May 73 (Eng. Abstr.) (Jap)
- [Propranolol and renin activity. New aspects on effects of beta blockers in arterial hypertension] Stenbaek O. *Tidsskr Nor Lægeforen* 93:1784-5, 10 Sep 73 (Nor)
- [Plasma renin activity in cord blood samples in twin pregnancy] Cekański A, et al. *Ginek Pol* 44:1149-53, Oct 73 (Eng. Abstr.) (Pol)
- [Catecholamines and plasma renin activity in renovascular hypertension] Januszewicz W, et al. *Kardiol Pol* 16:279-88, 1973 (Eng. Abstr.) (Pol)
- [Application of radioimmunoanalysis of angiotensin I to the determination of plasma renin activity in humans] Casado Pérez S, et al. *Rev Clin Esp* 131:195-204, 15 Nov 73 (Eng. Abstr.) (Spa)
- [Preliminary experience in the determination of renin activity in the etiological study of arterial hypertension] Reuss L, et al. *Rev Med Chl* 101:286-91, Apr 73 (Spa)

DIAGNOSTIC USE

- Rationale and use of vasodilated excretory urography in screening for renovascular hypertension. Wolf GL. *Am J Roentgenol Radium Ther Nucl Med* 119:692-700, Dec 73

HISTORY

- [Franz Volhard--the red and pale high pressure in the modern viewpoint. 1] (Volhard F), Sarre H. *Med Klin* 68:1309-12, 5 Oct 73 (Ger)

ISOLATION & PURIFICATION

- An affinity column for renin. Murakami K, et al. *Biochem Biophys Res Commun* 54:482-7, 18 Sep 73

METABOLISM

- Rapid marked increase in plasma renin in rats treated with inhibitors of the renin system. Effects of 1-sar-8-ala-angiotensin II and of a synthetic converting enzyme inhibitor (nonapeptide, SQ 20.881) on normal and adrenalectomized rats. Bing J. *Acta Pathol Microbiol Scand [A]* 81:376-8, May 73
- Renin in different tissues, amniotic fluid and plasma of

- pregnant and non-pregnant rabbits. Eskildsen PC. *Acta Pathol Microbiol Scand [A]* 81:263-8, May 73
- Renin content in superficial and deep glomeruli of normal and salt-loaded rats. Rouffignac C de, et al. *Am J Physiol* 226:150-4, Jan 74
- Impaired renin responsiveness with secondary hypoaldosteronism. Gossain VV, et al. *Arch Intern Med* 132:885-90, Dec 73
- The action of bombesin on the kidney of the anaesthetized dog. Erspamer V, et al. *Br J Pharmacol* 48:438-55, Jul 73
- Letter: Low renin in experimental hypertension. Gordon DB. *Circ Res* 33:757, Dec 73
- Effect of hematocrit and colloid-induced changes in blood viscosity on renal hemodynamics and renin release in the dog. McDonald KM. *Circ Res* 40:112-22, Jan 74
- Generation of angiotensin II at peripheral vascular level: studies using angiotensin II antisera. Swales JD, et al. *Clin Sci Mol Med* 45:691-700, Nov 73
- The pathophysiology of renin. Berman LB, et al. *Clin Symp* 25:1-35, 1973 (11 ref.)
- On central control of body fluid homeostasis. Andersson B, et al. *Cond Reflex* 8:147-59, Jul-Sep 73
- Effect of lithium on plasma renin activity. Gutman Y, et al. *Eur J Pharmacol* 24:347-51, Dec 73
- Increased plasma renin substrate concentration in human malignant hypertension. Rosset E, et al. *Helv Med Acta* 37:235-50, Oct 73
- Casein micelle structure: susceptibility of various casein systems to proteolysis. Fox PF, et al. *J Dairy Res* 40:229-34, Jun 73
- The influence of androgens on enzymes (chymotrypsin- and trypsin-like proteases, renin, kallikrein and amylase) and on cellular structure of the mouse submaxillary gland. Bhoola KD, et al. *J Physiol (Lond)* 235:503-22, Dec 73
- Letter: Beta receptors and renin release. Amery A, et al. *N Engl J Med* 290:284, 31 Jan 74
- Kinetics of the renin system. The basis for determination of the different components of the system. Poulsen K. *Scand J Clin Lab Invest* 31:3-86, 1973 (370 ref.)
- Renin production in isolated canine liver-kidney perfusion after treatment of donor animals. Bhanalaph T, et al. *Urology* 2:509-13, Nov 73
- [Physiopathology of water-electrolyte disorders in cardiac insufficiency] Guedon J, et al. *Acta Cardiol (Brux) Suppl* 17:25-40, 1973 (Eng. Abstr.) (Fre)
- [The functional and morphological studies of human juxtaglomerular apparatus (author's transl)] Kitamoto K. *J Jap Soc Intern Med* 62:1366-77, Oct 73 (Jap)
- [Anomalies of proteolytic enzymes and clinical manifestations] Kokubu T. *Jap J Clin Med* 31:2529-34, 10 Aug 73 (Jap)

PHARMACODYNAMICS

- Cause of the prolonged pressor action of renin in nephrectomized rats. Elucidated by means of anti-angiotensin II and of angiotensin-inhibitor (1-sar-8-ala-angiotensin II). Bing J, et al. *Acta Pathol Microbiol Scand [A]* 81:247-53, May 73
- Effect of renal pressor systems on vascular capacity during hemorrhage. Powell JR, et al. *Am J Physiol* 226:168-72, Jan 74
- Peptide inhibitors of renin angiotensinogen reaction system. Kokubu T, et al. *Biochem Pharmacol* 22:3217-23, 15 Dec 73
- Generation of angiotensin II at peripheral vascular level: studies using angiotensin II antisera. Swales JD, et al. *Clin Sci Mol Med* 45:691-700, Nov 73

PHYSIOLOGY

- Role of the renin-system in normo- and hypertension. Effect of angiotensin-inhibitor (1-sar-8-ala-angiotensin II) on the blood pressure of conscious or anaesthetized normal, nephrectomized and renal hypertensive rats. Bing J, et al. *Acta Pathol Microbiol Scand [A]* 81:254-62, May 73
- Anaesthesia, surgery and renal function: immediate and delayed effects. Cousins MJ, et al. *Anaesth Intensive Care* 1:355-73, Aug 73 (113 ref.)
- The pathophysiology of renin. Berman LB, et al. *Clin Symp* 25:1-35, 1973 (11 ref.)
- Aldosterone: review of its physiology and diagnostic

- aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)
- [Renin-aldosterone system and circadian variation of urinary electrolyte excretion] Kunita H, et al. *Clin Endocrinol (Tokyo)* 21:831-7, Aug 73 (Jap)
- [Renal component of the antigravity function of the organism] Belkanilla GS. *Kosm Biol Med* 6:8-13, Nov-Dec 72 (60 ref.) (Eng. Abstr.) (Rus)

SECRETION

- Inappropriate renin secretion in pregnancy. Symonds EM, et al. *Am J Obstet Gynecol* 118:6-13, 1 Jan 74
- Brain receptors, renin secretion, and renal sodium retention in conscious sheep. Mouw DR, et al. *Am J Physiol* 226:56-62, Jan 74
- Renin-secreting Wilms' tumor with severe hypertension. Report of a case and brief review of renin-secreting tumors. Ganguly A, et al. *Ann Intern Med* 79:835-7, Dec 73
- Cellophane perinephritis hypertension and its reversal in rabbits. Effect on plasma renin, renin substrate, and renal mass. Campbell DJ, et al. *Circ Res* 33:105-12, Jul 73
- Selective stimulation of renal nerves in the anaesthetized dog. Effect on renin release during controlled changes in renal hemodynamics. La Grange RG, et al. *Circ Res* 33:704-12, Dec 73
- Adrenergic component of renin release induced by vasodilating antihypertensive drugs in the rat. Pettinger WA, et al. *Circ Res* 33:82-6, Jul 73
- Proceedings: Renal venous renin secretion and intrarenal haemodynamics in patients with renal artery stenosis. Brech WJ, et al. *J Cardiovasc Surg (Torino)* 14:657-61, Nov-Dec 73
- Proceedings: Terminology, pathophysiology and preoperative investigations in renovascular hypertension. Ringoir S. *J Cardiovasc Surg (Torino)* 14:673-7, Nov-Dec 73
- On the mechanism of suppressed plasma-renin activity during beta-adrenergic blockade with propranolol. Bravo EL, et al. *J Lab Clin Med* 83:119-28, Jan 74
- Intermittent, idiopathic, inappropriate vasopressin secretion in a child. Skowsky WR, et al. *J Pediatr* 83:62-8, Jul 73
- Letter: Thirst control. *JAMA* 226:1570, 24 Dec 73
- Hypertension and secondary hyperaldosteronism associated with a renin-secreting renal juxtaglomerular-cell tumour. Brown JJ, et al. *Lancet* 2:1228-32, 1 Dec 73
- [Renin-secreting tumors] Hayduk K. *Dtsch Med Wochenschr* 98:1874-7, 5 Oct 73 (30 ref.) (Ger)

- [Renin secretion in analbuminaemia (author's transl)] Klaus D, et al. *Klin Wochenschr* 51:969-72, 1 Oct 73 (Eng. Abstr.) (Ger)
- [Regulation of renin secretion. I. A model for the intra- and extrarenal action of renin] Klaus D, et al. *Med Welt* 24:1352-5, 7 Sep 73 (Ger)
- [Regulation of renin secretion. II. Integrating function of the juxtaglomerular apparatus] Rössler R, et al. *Med Welt* 24:1356-9, 7 Sep 73 (Ger)

URINE

- Plasma renin activity: a method for rapid screening by radioimmunoassay and a comparison of two commercially available kits. Goldberg SD, et al. *Clin Chem* 19:1396-9, Dec 73
- Renin production in isolated canine liver-kidney perfusion after treatment of donor animals. Bhanalaph T, et al. *Urology* 2:509-13, Nov 73

SPIRONOLACTONE

DIAGNOSTIC USE

- Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. *Metabolism* 22:1525-45, Dec 73 (176 ref.)

PHARMACODYNAMICS

- Antikaliuretic action of amiloride. Sanna GP. *Acta Cardiol (Brux) Suppl* 17:301-6, 1973
- The effect of cis-diamminedichloroplatinum (II) on cultured human lymphoma cells and its therapeutic

SPIRONOLACTONE

ADRENAL

- implications. Drawinko B, et al.
Cancer Res 33:3091-5, Dec 73
- The effect of D-aldosterone and spironolactone on the concentration of sodium and potassium in the milk of rats. Yagil R, et al. J Endocrinol 59:633-6, Dec 73
- Letter: Effect of various steroids and ACTH on methypyrion plasma levels and sleeping time in rats. Kourounakis P, et al.
J Pharm Pharmacol 25:670-2, Aug 73
- Letter: Dithiocarbamate central effects in relation to their possible influence on drug metabolizing enzymes. Mayer O, et al.
J Pharm Pharmacol 25:672-6, Aug 73
- Treatment of low-renin essential hypertension. Comparison of spironolactone and a hydrochlorothiazide-triamterene combination. Douglas JG, et al. JAMA 227:518-21, 4 Feb 74
- [Mechanism of action of diuretics of the anti-aldosterone type] Rorive GL.
Acta Cardiol (Brux) Suppl 17:291-3, 1973 (Eng. Abstr.) (Fre)
- [Spironolactone effect and the lung] Nolte D.
Dtsch Med Wochenschr 98:2406-7, 14 Dec 73 (Ger)
- [Pharmacological studies on diuretics. 6. Actions of various diuretics on experimental nephrotic rats] Suzuki Y, et al.
Folia Pharmacol Jap 69:739-48, Sep 73 (Eng. Abstr.) (Jap)
- [Use of aldactone and veroshpiron in complex therapy of patients with circulation disorders] Bezborod'ko BN, et al. Ter Arkh 45:84-6, Jan 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

- Letter: Ascites and oedema in liver disease. Wilkinson SP, et al. Br Med J 4:232, 27 Oct 73
- Studies on the mechanism of aldosterone-induced hypertension in man. Distler A, et al.
Clin Sci Mol Med 45:743-50, Dec 73
- Treatment of low-renin essential hypertension. Comparison of spironolactone and a hydrochlorothiazide-triamterene combination. Douglas JG, et al. JAMA 227:518-21, 4 Feb 74

- Infantile polycystic disease of the kidneys. Isdale JM, et al. S Afr Med J 47:1892-6, 13 Oct 73
- Muscle electrolytes and total exchangeable electrolytes in patients with cardiac diseases. Valentin N, et al.
Scand J Clin Lab Invest 32:161-6, Oct 73
- Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. Urology 2:686-8, Dec 73
- [Spironolactone effect and the lung] Nolte D.
Dtsch Med Wochenschr 98:2406-7, 14 Dec 73 (Ger)
- [Clinical picture and treatment of cor pulmonale (author's trans)] Pabst K.
Munch Med Wochenschr 115:1709-15, 5 Oct 73 (Eng. Abstr.) (Ger)
- [Use of aldactone and veroshpiron in complex therapy of patients with circulation disorders] Bezborod'ko BN, et al. Ter Arkh 45:84-6, Jan 73 (Eng. Abstr.) (Rus)
- [Primary aldosteronism (clinical study and outcome of 8 cases)] Gutierrez Millet V, et al.
Rev Clin Esp 131:11-20, 15 Oct 73 (Eng. Abstr.) (Spa)

TRANSCORTIN

- Isolation of cytoplasmic glucocorticoid-binding protein(s) from rat liver by means of affinity chromatography, and its partial characterization. Wong KC, et al.
Biochim Biophys Acta 328:133-44, 11 Nov 73

BLOOD

- [Sex differences in glucocorticoid functions in rats] Volchek AG. Biol Nauki 120:33-6, 1973 (Rus)

METABOLISM

- [Study of the processes of corticosteroid binding by transcortin in pregnant women with nephropathy] Men'shikov VV, et al.
Sov Med 35:34-8, Dec 72 (Eng. Abstr.) (Rus)

ADRENAL

V. Adrenal Medulla

ADRENAL MEDULLA

ANALYSIS

Calcium-binding phosphoprotein: the principal acidic protein of mammalian sperm. Brooks JC, et al. *Biochem Biophys Res Commun* 55:710-6, 10 Dec 73

ANATOMY & HISTOLOGY

The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al. *Acta Pathol Microbiol Scand [A]* 81:225-8, May 73

BLOOD SUPPLY

The angiographic demonstration of partially infarcted pheochromocytomas of the adrenal gland. Baltaxe HA, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:793-5, Dec 73

CYTOLOGY

Effects of 2-mercaptoethylguanidine and other compounds on norepinephrine synthesis by adrenal medullary granules. Diliberto EJ Jr, et al. *Biochem Pharmacol* 22:2947-60, 1 Dec 73

Artificial subcellular distribution of dopamine beta-hydroxylase. Effects of dilution and non-specific protein on the dopamine beta-hydroxylase activity of membranes of adrenomedullary and sympathetic nerve vesicles. Lagercrantz H, et al. *Biochem Pharmacol* 22:3005-11, 1 Dec 73

All-or-none secretion of adrenal medullary storage vesicle contents in the rat. Slotkin TA, et al. *Biochem Pharmacol* 22:205-19, 15 Jan 73

Effect of pinealectomy on the tritiated serotonin uptake of the adrenal medulla. Baráth P, et al. *Horm Metab Res* 5:466-70, Nov 73

Effects of adrenaline and noradrenaline discharging agents on the diazosulfanilic acid azure A staining of rat adrenal medulla. Catalano RA, et al. *J Histochem Cytochem* 21:1031-4, Dec 73

Mechanisms of stimulus-secretion coupling in adrenal medulla. Rahwan RG, et al. *J Pharm Sci* 62:1911-23, Dec 73

Synaptic vesicles: structure of chromaffin granule membranes. Pollard HB, et al. *J Supramol Struct* 1:295-306, 1973

DRUG EFFECTS

Mechanisms of catecholamine accumulation in adrenal chromaffin granules. Pletscher A, et al. *Brain Res* 62:317-26, 23 Nov 73

Effects of adrenaline and noradrenaline discharging agents on the diazosulfanilic acid azure A staining of rat adrenal medulla. Catalano RA, et al. *J Histochem Cytochem* 21:1031-4, Dec 73

Mechanisms of stimulus-secretion coupling in adrenal medulla. Rabwan RG, et al. *J Pharm Sci* 62:1911-23, Dec 73

Reserpine-like effects of harmine on isolated adrenal medullary vesicles. Green HO, et al. *Mol Pharmacol* 9:748-55, Nov 73

EMBRYOLOGY

Prenatal growth of the adrenal gland in sheep. Thurlay DC. *NZ Vet J* 20:177-9, Oct 72

ENZYMOLGY

Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Aunis D, et al. *Biochem Pharmacol* 22:2581-9, 15 Oct 73

Mechanism and kinetics of the inhibition of dopamine-beta-hydroxylase by

2-mercaptoethylguanidine. Diliberto EJ Jr, et al. *Biochem Pharmacol* 22:2961-72, 1 Dec 73

Inhibition of dopamine-beta-hydroxylase by spinochrome A and echinochrome A, naphthoquinone pigments of echinoids. Kuzuya H, et al. *Biochem Pharmacol* 22:2722-4, 1 Nov 73

Artificial subcellular distribution of dopamine beta-hydroxylase. Effects of dilution and non-specific protein on the dopamine beta-hydroxylase activity of membranes of adrenomedullary and sympathetic nerve vesicles. Lagercrantz H, et al. *Biochem Pharmacol* 22:3005-11, 1 Dec 73

All-or-none secretion of adrenal medullary storage vesicle contents in the rat. Slotkin TA, et al. *Biochem Pharmacol* 22:205-19, 15 Jan 73

Immunohistochemical studies on monoamine-containing cell systems. Hökfelt T, et al. *Brain Res* 62:461-9, 23 Nov 73

Serum and tissue dopamine-beta-hydroxylase activity in hypophysectomized rats. Freedman LS, et al. *Eur J Pharmacol* 24:366-74, Dec 73

Studies on cyclic nucleotides in the adrenal gland. II. Properties of cyclic AMP dependent protein kinases in the adrenal gland. Shima S, et al. *Jap J Pharmacol* 23:515-22, Aug 73

Reserpine-like effects of harmine on isolated adrenal medullary vesicles. Green HO, et al. *Mol Pharmacol* 9:748-55, Nov 73

METABOLISM

Effects of 2-mercaptoethylguanidine and other compounds on norepinephrine synthesis by adrenal medullary granules. Diliberto EJ Jr, et al. *Biochem Pharmacol* 22:2947-60, 1 Dec 73

Mechanisms of catecholamine accumulation in adrenal chromaffin granules. Pletscher A, et al. *Brain Res* 62:317-26, 23 Nov 73

Effect of pinealectomy on the tritiated serotonin uptake of the adrenal medulla. Baráth P, et al. *Horm Metab Res* 5:466-70, Nov 73

Effects of adrenaline and noradrenaline discharging agents on the diazosulfanilic acid azure A staining of rat adrenal medulla. Catalano RA, et al. *J Histochem Cytochem* 21:1031-4, Dec 73

Reserpine-like effects of harmine on isolated adrenal medullary vesicles. Green HO, et al. *Mol Pharmacol* 9:748-55, Nov 73

PATHOLOGY

The adrenal glands of mice with hereditary pituitary dwarfism. Shire JG, et al. *Acta Pathol Microbiol Scand [A]* 81:225-8, May 73

[Fine structure of the adrenal adenoma producing Cushing's syndrome (author's transl)] Kano K, et al. *Jap J Urol* 64:529-38, Jul 73 (Eng. Abstr.) (Jap)

PHYSIOLOGY

Effects of bilateral splanchnicectomy on circulation during exercise in dogs. Ashkar E. *Acta Physiol Lat Am* 23:171-7, 1973

Extinction of a passive avoidance response in adrenalectomized and demedullated rats. Silva MT. *Behav Biol* 9:553-62, Nov 73

The mechanism of trauma-induced inhibition of insulin release. Vigaš M, et al. *Horm Metab Res* 5:322-4, Sep 73

Acidaemia produced by spinal stimulation in the pithed rat. Atkinson JM, et al. *J Physiol (Lond)* 234:229-40, Oct 73

PHYSIOPATHOLOGY

[Function of the medullary zone of the adrenal glands in animals during experimental hypocorticism] Reznikov OG. *Fiziol Zh* 19:396-7, May-Jun 73 (Ukr)

ADRENAL MEDULLA

SECRETION

- Influence of age and climatological variations on blood glucose and adrenomedullary catecholamines in the pigeon. Lahiri P.
Acta Physiol Pol 24:817-29, Nov-Dec 73
 All-or-none secretion of adrenal medullary storage vesicle contents in the rat. Slotkin TA, et al.
Biochem Pharmacol 22:205-19, 15 Jan 73
 Mechanisms of stimulus-secretion coupling in adrenal medulla. Rahwan RG, et al.
J Pharm Sci 62:1911-23, Dec 73

CATECHOLAMINES

ANALYSIS

- [Functions of the sympathico-adrenal system in fetuses and newborn infants in the first day of life] Bykova GF.
Vopr Okhr Materin Det 18:28-31, Jan 73 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

- Effects of chronic treatment with histamine on catecholamine content and synthesis in rat brain, heart and adrenals. Mazurkiewicz-Kwilecki IM, et al.
Biochem Pharmacol 22:3225-35, 15 Dec 73
 Induction of adrenal catecholamine synthesizing enzymes following mother-infant separation. Breese GR, et al. *Nature [New Biol]* 246:94-6, 21 Nov 73
 The effects of chronic treatment with delta 9-tetrahydrocannabinol on catecholamine synthesis in the rat. Mazurkiewicz-Kwilecki IM, et al.
Psychopharmacologia 33:71-9, 23 Oct 73
 A metanephrine test for a screening of catecholamine-producing tumors. Sato T, et al.
Tohoku J Exp Med 110:283-7, Jul 73
 [Effect of treatment by clonidine on the synthesis of catecholamines in the heart, submaxillary and adrenal glands in the rat] Bralet J, et al.
Biochem Pharmacol 22:3173-80, 15 Dec 73 (Eng. Abstr.) (Fre)
 [Biochemical diagnosis of pheochromocytomas] Wocial B. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)

BLOOD

- Preoperative localization of pheochromocytoma. Agee OF, et al.
Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
 Pheochromocytoma causing excessive parathyroid hormone production and hypercalcemia. Kukreja SC, et al. *Ann Intern Med* 79:838-40, Dec 73
 [Surgical treatment of pheochromocytoma] Schega W, et al. *Med Klin* 68:1423-6, 2 Nov 73 (Ger)
 [Anesthesia in surgery of pheochromocytoma: roles of catecholamines and histamine in the blood] Goto F, et al.
Jap J Anesthesiol 22:1293-7, Oct 73 (Eng. Abstr.) (Jap)

ISOLATION & PURIFICATION

- Separation of catecholamines on the phospho-cellulose column. Endo Y, et al.
Jap J Pharmacol 23:491-6, Aug 73

METABOLISM

- Effects of 2-mercaptoethylguanidine and other compounds on norepinephrine synthesis by adrenal medullary granules. Diliberto EJ Jr, et al.
Biochem Pharmacol 23:2947-60, 1 Dec 73
 Artificial subcellular distribution of dopamine beta-hydroxylase. Effects of dilution and non-specific protein on the dopamine beta-hydroxylase activity of membranes of adrenomedullary and sympathetic nerve vesicles. Lagercrantz H, et al.
Biochem Pharmacol 22:3005-11, 1 Dec 73
 All-or-none secretion of adrenal medullary storage vesicle contents in the rat. Slotkin TA, et al.
Biochem Pharmacol 22:205-19, 15 Jan 73
 Long-lasting peripheral and central effects of 6-hydroxydopamine in rats. Clark DW, et al.
Br J Pharmacol 44:233-43, Feb 72
 Mechanisms of catecholamine accumulation in adrenal chromaffin granules. Pletscher A, et al.
Brain Res 62:317-26, 23 Nov 73
 Reserpine-like effects of harmine on isolated adrenal

ADRENAL

medullary vesicles. Green HO, et al.

- Mol Pharmacol* 9:748-55, Nov 73
 Effect of aminoglutethimide and glutethimide on the pituitary-adrenal system. Daniels-Severs AE, et al.
Pharmacology 10:111-22, 1973
 [Biochemical diagnosis of pheochromocytomas] Wocial B. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)
 [On adrenal tumors and hypertensinogenic retroperitoneal tumors] Setlavec D, et al.
Chirurgia (Bucur) 22:961-72, Nov 73 (Eng. Abstr.) (Rum)
 [Cardiac catecholamines in stress situations] Solov'ev GM, et al. *Kardiologia* 13:140-52, Jan 73 (87 ref.) (Rus)

PHYSIOLOGY

- Acidaemia produced by spinal stimulation in the pithed rat. Atkinson JM, et al.
J Physiol (Lond) 234:229-40, Oct 73

SECRETION

- All-or-none secretion of adrenal medullary storage vesicle contents in the rat. Slotkin TA, et al.
Biochem Pharmacol 22:205-19, 15 Jan 73
 Mechanisms of stimulus-secretion coupling in adrenal medulla. Rahwan RG, et al.
J Pharm Sci 62:1911-23, Dec 73

URINE

- [Hypertensive episodes initiated by sulpiride (Dogmatil)] Corvol P, et al.
Ann Med Interne (Paris) 124:647-9, Aug-Sep 73 (Fre)
 [Biochemical diagnosis of pheochromocytomas] Wocial B. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)
 [Hormonal activity of adrenal glands in patients with primary lesion of the hypothalamic region] Dobrin Blu, et al. *Sov Med* 36:8-11, Sep 73 (Eng. Abstr.) (Rus)

CHROMAFFIN SYSTEM

- [Extra-adrenal pheochromocytomas] Kazeev KH, et al.
Khirurgia (Mosk) 49:138-40, Jun 73 (Rus)

ANALYSIS

- Synaptic vesicles: structure of chromaffin granule membranes. Pollard HB, et al.
J Supramol Struct 1:295-306, 1973

CYTOLOGY

- Synaptic vesicles: structure of chromaffin granule membranes. Pollard HB, et al.
J Supramol Struct 1:295-306, 1973

ENZYMOLGY

- The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. *Experientia* 29:1259-62, 15 Oct 73
 Synaptic vesicles: structure of chromaffin granule membranes. Pollard HB, et al.
J Supramol Struct 1:295-306, 1973

METABOLISM

- Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Aunis D, et al.
Biochem Pharmacol 22:2581-9, 15 Oct 73
 Artificial subcellular distribution of dopamine beta-hydroxylase. Effects of dilution and non-specific protein on the dopamine beta-hydroxylase activity of membranes of adrenomedullary and sympathetic nerve vesicles. Lagercrantz H, et al.
Biochem Pharmacol 22:3005-11, 1 Dec 73

PHYSIOLOGY

- Mechanisms of stimulus-secretion coupling in adrenal medulla. Rahwan RG, et al.
J Pharm Sci 62:1911-23, Dec 73

DOPA

METABOLISM

- Reserpine-like effects of harmine on isolated adrenal

ADRENAL

EPINEPHRINE

medullary vesicles. Green HO, et al.
Mol Pharmacol 9:748-55, Nov 73
[Cardiac catecholamines in stress situations] Solov'ev
GM, et al. Kardiologiya 13:140-52, Jan 73 (87 ref.) (Rus)

DOPAMINE

ANALYSIS

Induction of adrenal catecholamine synthesising
enzymes following mother-infant separation. Breese
GR, et al. Nature [New Biol] 246:94-6, 21 Nov 73

BIOSYNTHESIS

[Effect of treatment by clonidine on the synthesis of
catecholamines in the heart, submaxillary and adrenal
glands in the rat] Bralet J, et al.
Biochem Pharmacol 22:3173-80, 15 Dec 73 (Eng.
Abstr.) (Fre)

METABOLISM

Effects of 2-mercaptoethylguanidine and other
compounds on norepinephrine synthesis by adrenal
medullary granules. Diliberto EJ Jr, et al.
Biochem Pharmacol 22:2947-60, 1 Dec 73
Mechanism and kinetics of the inhibition of
dopamine-beta-hydroxylase by
2-mercaptoethylguanidine. Diliberto EJ Jr, et al.
Biochem Pharmacol 22:2961-72, 1 Dec 73
Inhibition of dopamine-beta-hydroxylase by
spinochrome A and echinochrome A, naphthoquinone
pigments of echinoids. Kuzuya H, et al.
Biochem Pharmacol 22:2722-4, 1 Nov 73
Effects of chronic treatment with histamine on
catecholamine content and synthesis in rat brain,
heart and adrenals. Mazurkiewicz-Kwilecki IM, et al.
Biochem Pharmacol 22:3225-35, 15 Dec 73
Studies on the functional role of intraneuronal
monamine oxidase. Clarke DE, et al.
J Pharmacol Exp Ther 187:539-49, Dec 73
The effects of chronic treatment with delta
9-tetrahydrocannabinol on catecholamine synthesis in
the rat. Mazurkiewicz-Kwilecki IM, et al.
Psychopharmacologia 33:71-9, 23 Oct 73
[Mechanism of the radiation-sensitizing action of
beta-mercaptoethanol] Bogatyrev GP, et al. (Rus)
Biol Nauki 115:54-6, 1973
[Mechanisms of the radioprotective action of dimethyl
sulfoxide] Goncharenko EN, et al. (Rus)
Biol Nauki 120:45-7, 1973

EPINEPHRINE

ANALYSIS

Effect of infantile handling upon plasma catecholamine
response to acute noxious stimulation in adulthood.
Hucklebridge FH, et al. Behav Biol 9:563-79, Nov 73
[Excretion of catecholamines in patients with
thyrotoxicosis] Levitan AM.
Lab Delo 5:291-2, 1973 (Rus)

ANTAGONISTS & INHIBITORS

Reserpine-like effects of harmine on isolated adrenal
medullary vesicles. Green HO, et al.
Mol Pharmacol 9:748-55, Nov 73
[The anti-inflammatory action of adrenaline] Timsit J,
et al.
Arch Int Pharmacodyn Ther 205:153-72, Sep 73 (Eng.
Abstr.) (Fre)

BLOOD

Effect of infantile handling upon plasma catecholamine
response to acute noxious stimulation in adulthood.
Hucklebridge FH, et al. Behav Biol 9:563-79, Nov 73
Proceedings: Management of pheochromocytoma: an
overview of current diagnosis and treatment. Ayala
LA, et al. Proc Natl Cancer Conf 7:529-35, 1973

DIAGNOSTIC USE

[Functional state of the
hypothalamo-hypophyseal-adrenal system in chronic
inflammation of the female sex organs] Kupriianova
EM, et al.

Akush Glnkol (Mosk) 49:6-8, Mar 73 (Eng. Abstr.)
(Rus)

METABOLISM

Effects of chronic treatment with histamine on
catecholamine content and synthesis in rat brain,
heart and adrenals. Mazurkiewicz-Kwilecki IM, et al.
Biochem Pharmacol 22:3225-35, 15 Dec 73
All-or-none secretion of adrenal medullary storage
vesicle contents in the rat. Slotkin TA, et al.
Biochem Pharmacol 22:205-19, 15 Jan 73
The mechanism of trauma-induced inhibition of insulin
release. Vigas M, et al. Horm Metab Res 5:322-4, Sep 73
Reserpine-like effects of harmine on isolated adrenal
medullary vesicles. Green HO, et al.
Mol Pharmacol 9:748-55, Nov 73
Effects of food deprivation, discrimination experience
and physostigmine on choline acetylase and
acetylcholine esterase in the dorsal hippocampus and
frontal cortex of rats. Izquierdo JA, et al.
Psychopharmacologia 33:103-10, 23 Oct 73
The effects of chronic treatment with delta
9-tetrahydrocannabinol on catecholamine synthesis in
the rat. Mazurkiewicz-Kwilecki IM, et al.
Psychopharmacologia 33:71-9, 23 Oct 73
[Cardiac catecholamines in stress situations] Solov'ev
GM, et al. Kardiologiya 13:140-52, Jan 73 (87 ref.) (Rus)
[Effect of subcholeline on the medullary substance of
the adrenals in chick embryos] Dusaeva ON, et al.
Zh Evol Biokhim Fiziol 9:524-7, Sep-Oct 73 (Eng.
Abstr.) (Rus)

PHARMACODYNAMICS

The action of hordenine on the superior cervical
ganglion of the cat. Krstic MK.
Arch Int Pharmacodyn Ther 205:267-80, Oct 73
[The anti-inflammatory action of adrenaline] Timsit J,
et al.
Arch Int Pharmacodyn Ther 205:153-72, Sep 73 (Eng.
Abstr.) (Fre)

PHYSIOLOGY

Extinction of a passive avoidance response in
adrenalectomized and demedullated rats. Silva MT.
Behav Biol 9:553-62, Nov 73

SECRETION

Influence of age and climatological variations on blood
glucose and adrenomedullary catecholamines in the
pigeon. Lahiri P.
Acta Physiol Pol 24:817-29, Nov-Dec 73
Effects of adrenaline and noradrenaline discharging
agents on the diazosulfanilic acid azure A staining of
rat adrenal medulla. Catalano RA, et al.
J Histochem Cytochem 21:1031-4, Dec 73
Proceedings: The release of adrenaline and
noradrenaline by the adrenal glands of cats and dogs
in reflexes arising from the carotid chemoreceptors
and baroreceptors. Critchley JA, et al.
J Physiol (Lond) 234:111P-112P, Oct 73
Effect of histamine, bradykinin and morphine on
adrenaline release from rat adrenal gland. Yoshizaki
T. Jap J Pharmacol 23:695-9, Oct 73
A method for pharmacological studies on adrenaline
release from the rat adrenal. Yoshizaki T.
Jap J Pharmacol 23:689-94, Oct 73
The effect of bedrest on adrenal function. Leach CS, et
al. Space Life Sci 4:415-23, Sep-Dec 73
Effect of glucose infusion on adrenaline and
noradrenaline secretion from the adrenal gland in
conscious dogs. Hirose T, et al.
Tohoku J Exp Med 110:307-8, Jul 73
Adrenaline and noradrenaline secretion of the adrenal
gland in conscious dogs in response to pilocarpine and
nicotine. Narita S, et al.
Tohoku J Exp Med 110:303-5, Jul 73

URINE

The effect of bedrest on adrenal function. Leach CS, et
al. Space Life Sci 4:415-23, Sep-Dec 73
A metanephrine test for a screening of
catecholamine-producing tumors. Sato T, et al.
Tohoku J Exp Med 110:283-7, Jul 73
[Ultrastructural differentiation of pheochromocytoma
(author's transl)] Cervós-Navarro J, et al.

EPINEPHRINE

- Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)
[Functional status of certain regulatory-compensatory systems of the body in eczema] Madievskala NN, et al. Vestn Dermatol Venerol 47:5-11, Jun 73 (Eng. Abstr.) (Rus)
[Condition of the sympathetico-adrenal system in patients with chronic tonsillitis] Mostovoi SI, et al. Zh Ushn Nos Gori Bolezni 33:4-6, Jul-Aug 73 (Eng. Abstr.) (Rus)

HYDROXYDOPAMINE

ANTAGONISTS & INHIBITORS

- Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Aunis D, et al. Biochem Pharmacol 22:2581-9, 15 Oct 73

PHARMACODYNAMICS

- Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. Aunis D, et al. Biochem Pharmacol 22:2581-9, 15 Oct 73
Long-lasting peripheral and central effects of 6-hydroxydopamine in rats. Clark DW, et al. Br J Pharmacol 44:233-43, Feb 72

ISOPROTERENOL

- Changes in myocardial thiamine in arteriosclerotic and non-arteriosclerotic rats subjected to isoprenaline induced myocardial infarction. Wexler BC, et al. Br J Exp Pathol 54:479-91, Oct 73

PHARMACODYNAMICS

- [The anti-inflammatory action of adrenaline] Timsit J, et al. Arch Int Pharmacodyn Ther 205:153-72, Sep 73 (Eng. Abstr.) (Fre)

METHYLDOPA

THERAPEUTIC USE

- Hypertensive emergencies. Koch-Weser J. N Engl J Med 290:211-4, 24 Jan 74 (14 ref.)

NOREPINEPHRINE

- The binding order of substrates to phenylethanolamine N-methyltransferase. Pendleton RG, et al. Mol Pharmacol 9:718-25, Nov 73

ANALYSIS

- Circadian periodicity of pituitary-adrenal function after p-chlorophenylalanine administration in the rat. Delft AM van, et al. J Endocrinol 59:465-74, Dec 73
Induction of adrenal catecholamine synthesizing enzymes following mother-infant separation. Breese GR, et al. Nature [New Biol] 246:94-6, 21 Nov 73
[Excretion of catecholamines in patients with thyrotoxicosis] Levitan AM. Lab Delo 5:291-2, 1973 (Rus)

BIOSYNTHESIS

- Mechanism and kinetics of the inhibition of dopamine-beta-hydroxylase by 2-mercaptoethylguanidine. Diliberto EJ Jr, et al. Biochem Pharmacol 22:2961-72, 1 Dec 73
Effects of 2-mercaptoethylguanidine and other compounds on norepinephrine synthesis by adrenal medullary granules. Diliberto EJ Jr, et al. Biochem Pharmacol 22:2947-60, 1 Dec 73
[Effect of treatment by clonidine on the synthesis of catecholamines in the heart, submaxillary and adrenal glands in the rat] Bralet J, et al. Biochem Pharmacol 22:3173-80, 15 Dec 73 (Eng. Abstr.) (Fre)

BLOOD

- Effect of infantile handling upon plasma catecholamine response to acute noxious stimulation in adulthood. Hucklebridge FH, et al. Behav Biol 9:563-79, Nov 73
Proceedings: Management of pheochromocytoma: an

ADRENAL

- overview of current diagnosis and treatment. Ayala LA, et al. Proc Natl Cancer Conf 7:529-35, 1973

METABOLISM

- Effects of chronic treatment with histamine on catecholamine content and synthesis in rat brain, heart and adrenals. Mazurkiewicz-Kwilecki IM, et al. Biochem Pharmacol 22:3225-35, 15 Dec 73
Long-lasting peripheral and central effects of 6-hydroxydopamine in rats. Clark DW, et al. Br J Pharmacol 44:233-43, Feb 72
The mechanism of trauma-induced inhibition of insulin release. Vigaš M, et al. Horm Metab Res 5:322-4, Sep 73
Studies on the functional role of intraneuronal monamine oxidase. Clarke DE, et al. J Pharmacol Exp Ther 187:539-49, Dec 73
The effects of chronic treatment with delta 9-tetrahydrocannabinol on catecholamine synthesis in the rat. Mazurkiewicz-Kwilecki IM, et al. Psychopharmacologia 33:71-9, 23 Oct 73
[Effect of suhecholine on the medullary substance of the adrenals in chick embryos] Dusaeva ON, et al. Zh Evol Biokhim Fiziol 9:524-7, Sep-Oct 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

- Lesions in the septal nuclei of the rat raise mean systemic arterial pressure and prevent the development of sound-withdrawal hypertension. Marwood JF, et al. J Pharm Pharmacol 25:614-20, Aug 73

PHYSIOLOGY

- Acidaemia produced by spinal stimulation in the pithed rat. Atkinson JM, et al. J Physiol (Lond) 234:229-40, Oct 73

SECRETION

- Influence of age and climatological variations on blood glucose and adrenomedullary catecholamines in the pigeon. Lahiri P. Acta Physiol Pol 24:817-29, Nov-Dec 73
Effects of adrenaline and noradrenaline discharging agents on the diazosulfanilic acid azure A staining of rat adrenal medulla. Catalano RA, et al. J Histochem Cytochem 21:1031-4, Dec 73
Proceedings: The release of adrenaline and noradrenaline by the adrenal glands of cats and dogs in reflexes arising from the carotid chemoreceptors and baroreceptors. Critchley JA, et al. J Physiol (Lond) 234:111P-112P, Oct 73
The effect of hedrest on adrenal function. Leach CS, et al. Space Life Sci 4:415-23, Sep-Dec 73
Effect of glucose infusion on adrenaline and noradrenaline secretion from the adrenal gland in conscious dogs. Hirose T, et al. Tohoku J Exp Med 110:307-8, Jul 73
Adrenaline and noradrenaline secretion of the adrenal gland in conscious dogs in response to pilocarpine and nicotine. Narita S, et al. Tohoku J Exp Med 110:303-5, Jul 73

URINE

- The effect of hedrest on adrenal function. Leach CS, et al. Space Life Sci 4:415-23, Sep-Dec 73
[Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al. Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)
[Functional status of certain regulatory-compensatory systems of the body in eczema] Madievskala NN, et al. Vestn Dermatol Venerol 47:5-11, Jun 73 (Eng. Abstr.) (Rus)
[Condition of the sympathetico-adrenal system in patients with chronic tonsillitis] Mostovoi SI, et al. Zh Ushn Nos Gori Bolezni 33:4-6, Jul-Aug 73 (Eng. Abstr.) (Rus)

NORMETANEPHRINE

METABOLISM

- [Cardiac catecholamines in stress situations] Solov'ev GM, et al. Kardiologiya 13:140-52, Jan 73 (87 ref.) (Rus)

ADRENAL PHEOCHROMOCYTOMA

URINE

- A metanephrine test for a screening of catecholamine-producing tumors. Sato T, et al. *Tohoku J Exp Med* 110:283-7, Jul 73
[Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al. *Virchows Arch [Pathol Anat]* 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)

PHEOCHROMOCYTOMA

- Oral surgical management of a patient with malignant pheochromocytoma. Branham GB, et al. *J Oral Surg* 32:54-6, Jan 74
Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. *Proc Natl Cancer Conf* 7:529-35, 1973 [Pheochromocytoma] Choussat A, et al. *Ann Cardiol Angelol (Paris)* 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)

BLOOD

- Preoperative localization of pheochromocytoma. Agee OF, et al. *Acta Radiol [Diagn] (Stockh)* 14:545-60, Sep 73 [Pheochromocytoma with headache as the only symptom. Apropos of 2 cases] Fromantin M, et al. *Ann Med Interne (Paris)* 124:587-90, Aug-Sep 73 (Fre)
[Plasma insulin levels in endocrine diseases. 3. Plasma insulin levels in patients with adrenal gland diseases and during steroid treatment] Ikeda M. *Folia Endocrinol Jap* 49:1286-96, Oct 73 (Eng. Abstr.) (Jap)

COMPLICATIONS

- Pheochromocytoma causing excessive parathyroid hormone production and hypercalcemia. Kukreja SC, et al. *Ann Intern Med* 79:838-40, Dec 73
Proceedings: Terminology, pathophysiology and preoperative investigations in renovascular hypertension. Ringoir S. *J Cardiovasc Surg (Torino)* 14:673-7, Nov-Dec 73
Hypercalcemia in pheochromocytoma. Hajjar ET, et al. *J Med Liban* 26:269-72, 1973
Hypertensive emergencies. Koch-Weser J. *N Engl J Med* 290:211-4, 24 Jan 74 (14 ref.)
Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. *Proc Natl Cancer Conf* 7:163-77, 1973 [Pheochromocytoma] Choussat A, et al. *Ann Cardiol Angelol (Paris)* 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)
[Meningeal carcinomatosis in malignant pheochromocytoma] Andrioli GC, et al. *Acta Neurol (Napoli)* 28:415-24, Jul-Aug 73 (Ita)
[The thyroid medullary carcinoma syndrome, pheochromocytoma and multiple mucosal neuromas. Case report] Ascarel E, et al. *Minerva Med* 64:4418-29, 21 Nov 73 (Eng. Abstr.) (Ita)
[On adrenal tumors and hypertensinogenic retroperitoneal tumors] Setlacec D, et al. *Chirurgia (Bucur)* 22:961-72, Nov 73 (Eng. Abstr.) (Rum)

DIAGNOSIS

- Preoperative localization of pheochromocytoma. Agee OF, et al. *Acta Radiol [Diagn] (Stockh)* 14:545-60, Sep 73
Hypercalcemia in pheochromocytoma. Hajjar ET, et al. *J Med Liban* 26:269-72, 1973
Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. *Proc Natl Cancer Conf* 7:529-35, 1973
A metanephrine test for a screening of catecholamine-producing tumors. Sato T, et al. *Tohoku J Exp Med* 110:283-7, Jul 73
[Clinicopathological conference. IX. Muscular weakness and skin edema] Kentala E. *Duodecim* 89:831-42, 1973 (Fin)
[Pheochromocytoma] Choussat A, et al. *Ann Cardiol Angelol (Paris)* 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)
[Hypertensive episodes initiated by sulpiride (Dogmatil)] Corvol P, et al. *Ann Med Interne (Paris)* 124:647-9, Aug-Sep 73 (Fre)
[Pheochromocytoma with headache as the only

- symptom. Apropos of 2 cases] Fromantin M, et al. *Ann Med Interne (Paris)* 124:587-90, Aug-Sep 73 (Fre)
[Surgical treatment of pheochromocytoma] Schega W, et al. *Med Klin* 68:1423-6, 2 Nov 73 (Ger)
[Biochemical diagnosis of pheochromocytomas] Wocial B. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)
[Paroxysmal arterial hypertension caused by pseudopheochromocytoma] Rodríguez Cuartero A, et al. *Rev Clin Esp* 131:131-6, 31 Oct 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

- Beta-adrenergic blocking drugs in anaesthesia. Warden JC. *Anaesth Intensive Care* 1:289-92, May 73

ENZYMOLGY

- A radioimmunoassay of human circulatory dopamine-beta-hydroxylase. Ebstein RP, et al. *Life Sci* 13:769-84, 1 Oct 73
[Biochemical diagnosis of pheochromocytomas] Wocial B. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)

FAMILIAL & GENETIC

- Evolving concepts of the genetics of thyroid disease-a review. Bartuska D. *Am J Med Sci* 266:249-52, Oct 73 (17 ref.)
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. *N Engl J Med* 289:472-9, 30 Aug 73
[Pheochromocytoma] Choussat A, et al. *Ann Cardiol Angelol (Paris)* 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)

METABOLISM

- A metanephrine test for a screening of catecholamine-producing tumors. Sato T, et al. *Tohoku J Exp Med* 110:283-7, Jul 73
[Pheochromocytoma] Choussat A, et al. *Ann Cardiol Angelol (Paris)* 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)
[Ectopic parathyroid hormone producing malignant pheochromocytoma] Shinbo S, et al. *Jap J Clin Med* 31:2781-7, Sep 73 (Jap)
[Biochemical diagnosis of pheochromocytomas] Wocial B. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)

PATHOLOGY

- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. *N Engl J Med* 289:472-9, 30 Aug 73
[Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al. *Virchows Arch [Pathol Anat]* 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)
[Extra-adrenal pheochromocytomas] Kazeev KH, et al. *Khirurgia (Mosk)* 49:138-40, Jun 73 (Rus)

PHYSIOPATHOLOGY

- [Pheochromocytoma] Choussat A, et al. *Ann Cardiol Angelol (Paris)* 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)

RADIOGRAPHY

- Preoperative localization of pheochromocytoma. Agee OF, et al. *Acta Radiol [Diagn] (Stockh)* 14:545-60, Sep 73
The angiographic demonstration of partially infarcted pheochromocytomas of the adrenal gland. Baltaxe HA, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:793-5, Dec 73
Adrenal venography: clinical-roentgeno-graphic correlation in 80 patients. Mitty HA, et al. *Am J Roentgenol Radium Ther Nucl Med* 119:564-75, Nov 73
Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. *Proc Natl Cancer Conf* 7:529-35, 1973
[Value for the clinician of vascular exploration of the adrenal capsules] Bricaire H, et al. *Ann Radiol (Paris)* 16:545-8, Sep-Oct 73 (Eng. Abstr.) (Fre)
[Adrenal phlebography] Joffre F.

PHEOCHROMOCYTOMA

ADRENAL

- Ann Radiol (Paris) 16:581-96, Sep-Oct 73 (Eng. Abstr.) (Fre)
 [Radiology in arterial hypertension] Slim R, et al.
 Tunis Med 50:363-75, Sep-Oct 72 (Fre)

SURGERY

- Preoperative localization of pheochromocytoma. Agee OF, et al.
 Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
 Pheochromocytoma causing excessive parathyroid hormone production and hypercalcemia. Kukreja SC, et al. Ann Intern Med 79:838-40, Dec 73
 Hypercalcemia in pheochromocytoma. Hajjar ET, et al. J Med Liban 26:269-72, 1973
 Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. Proc Natl Cancer Conf 7:529-35, 1973
 [Pheochromocytoma] Choussat A, et al. Ann Cardiol Angelol (Paris) 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)
 [Pheochromocytoma with headache as the only symptom. Apropos of 2 cases] Fromantin M, et al. Ann Med Interne (Paris) 124:587-90, Aug-Sep 73 (Fre)
 [Surgical treatment of pheochromocytoma] Schega W, et al. Med Klin 68:1423-6, 2 Nov 73 (Ger)
 [Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al. Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)
 [Anesthesia in surgery of pheochromocytoma: roles of catecholamines and histamine in the blood] Goto F, et al. Jap J Anesthesiol 22:1293-7, Oct 73 (Eng. Abstr.) (Jap)

URINE

- A metanephrine test for a screening of catecholamine-producing tumors. Sato T, et al. Tohoku J Exp Med 110:283-7, Jul 73
 [Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al. Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)

- [Determination of urinary 3-methoxy-4-hydroxymandellic acid (vanilmandelic acid) using thin-layer chromatography separation] Jarsumbeck B, et al. Z Med Labortech 14:259-68, 1973 (Eng. Abstr.) (Ger)

VANILMANDELIC ACID

ANALYSIS

- [Biochemical diagnosis of pheochromocytomas] Wocla B. Kardiol Pol 16:419-26, 1973 (62 ref.) (Pol)

BLOOD

- Preoperative localization of pheochromocytoma. Agee OF, et al.
 Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
 [Pheochromocytoma with headache as the only symptom. Apropos of 2 cases] Fromantin M, et al. Ann Med Interne (Paris) 124:587-90, Aug-Sep 73 (Fre)

URINE

- Pheochromocytoma causing excessive parathyroid hormone production and hypercalcemia. Kukreja SC, et al. Ann Intern Med 79:838-40, Dec 73
 Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Ayala LA, et al. Proc Natl Cancer Conf 7:529-35, 1973
 [Hypertensive episodes initiated by sulpiride (Dogmatil)] Corvol P, et al. Ann Med Interne (Paris) 124:647-9, Aug-Sep 73 (Fre)
 [Ultrastructural differentiation of pheochromocytoma (author's transl)] Cervós-Navarro J, et al. Virchows Arch [Pathol Anat] 361:51-69, 10 Oct 73 (Eng. Abstr.) (Ger)
 [Determination of urinary 3-methoxy-4-hydroxymandellic acid (vanilmandelic acid) using thin-layer chromatography separation] Jarsumbeck B, et al. Z Med Labortech 14:259-68, 1973 (Eng. Abstr.) (Ger)

GONADS

1. Physical and Functional Aspects

GONADS

Physico-chemical and morphological features of infectious pancreatic necrosis virus. Cohen J, et al. *J Gen Virol* 21:485-98, Dec 73

ABNORMALITIES

Familial 78XX male pseudohermaphroditism in three dogs. Hare WC, et al. *J Reprod Fertil* 36:207-10, Jan 74

ANALYSIS

A modification of the Roe procedure for determination of fructose in tissues with increased specificity. Foreman D, et al. *Anal Biochem* 56:584-90, Dec 73
Polychlorinated biphenyls in the seastar *Acanthaster planci*. McCloskey LR, et al.
Bull Environ Contam Toxicol 10:261-4, Nov 73
Pesticide residues in natural fish populations of the Smoky Hill river of Western Kansas--1967-69. Klaassen HE, et al. *Pestic Monit J* 7:53-61, Jun 73
[Characteristics of the qualitative composition of the fats of *Nototbenia rossi marmorata* Fisher] Shatunovskii MI, et al.
Biol Nauki 112:59-63, 1973 (Rus)

ANATOMY & HISTOLOGY

A further analysis of the responsiveness of experienced and inexperienced ring dove (*Streptopelia risoria*) foster parents to squabs. Hansen EW. *Dev Psychobiol* 6:557-65, Nov 73
Sex difference in gonadal maintenance in graded hypophysectomized rats. Shih BY, et al.
J Formosan Med Assoc 72:325-31, Jun 73

DRUG EFFECTS

Effect of dieldrin on the accumulation and biotransformation of radioactive testosterone by the mouse prostate gland. Thomas JA, et al.
Toxicol Appl Pharmacol 26:523-31, Dec 73
[Action of pesticides of different chemical structures on the gonads and embryogenesis of experimental animals] Shtenberg AI, et al.
Gig Sanit 38:16-20, Aug 73 (Eng. Abstr.) (Rus)
[Effect of some thiocarbamates on the generative function] Voitenko GA, et al.
Gig Sanit 38:111-4, Jul 73 (Rus)

EMBRYOLOGY

[Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Gulchard A, et al.
Gen Comp Endocrinol 21:478-84, Dec 73 (Eng. Abstr.) (Fre)

ENZYMOMOLOGY

[Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Gulchard A, et al.
Gen Comp Endocrinol 21:478-84, Dec 73 (Eng. Abstr.) (Fre)
[Action of pesticides of different chemical structures on the gonads and embryogenesis of experimental

animals] Shtenberg AI, et al.
Gig Sanit 38:16-20, Aug 73 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Sex differentiation of the gonad of fry transplanted into the anterior chamber of the adult eye in the teleost, *Oryzias latipes*. Sato N.
J Embryol Exp Morphol 30:345-58, Oct 73

METABOLISM

[Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Gulchard A, et al.
Gen Comp Endocrinol 21:478-84, Dec 73 (Eng. Abstr.) (Fre)
[Examination of the pituitary-gonadal function ring using the synthetic LH-releasing hormone in patients with hypogonadism before and during therapy] Wagner H, et al. *Med Welt* 24:1537-9, 5 Oct 73 (Ger)
[Comparative study of the fats and qualitative composition of lipids in the flounder (*Platichthys flesus* L.) of the White and Black Seas] Lapin VI.
Biol Nauki 111:41-8, 1973 (Rus)

PATHOLOGY

[A case of 46-XY gonadal dysgenesis with female phenotype, ovarian rudiments and normal estrogen excretion] Palacios Mateos JM, et al.
Rev Clin Esp 131:145-8, 31 Oct 73 (Spa)

PHYSIOLOGY

Induction of goitre by PTU or KClO₄ in male and female rats. Effect of gonadectomy. Jolin T, et al.
Acta Endocrinol (Kbh) 74:88-104, Sep 73
The onset of puberty. *Indian J Pediatr* 40:200-1, May 73
Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)
[Hypothalamic mechanism of compensatory hypertrophy of the endocrine glands] Novikov BG, et al. *Fiziol Zh* 19:654-60, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

Sexual maturation in juvenile hypothyroidism. Barnes ND, et al. *Mayo Clin Proc* 48:849-56, Dec 73

RADIATION EFFECTS

[Radiation bygiene evaluation of x-ray examinations] Stavitskii RV, et al.
Gig Sanit 38:47-51, Jun 73 (Eng. Abstr.) (Rus)
[Hygienic characteristics of genetically significant doses in roentgenologic studies] Stavitskii RV, et al.
Gig Sanit 38:48-50, Aug 73 (Eng. Abstr.) (Rus)

SECRETION

Editorial: Hormones and homosexuality. Kolodny RC, et al. *Ann Intern Med* 79:897, Dec 73

GONADS

GONADS

SURGERY

Two male sibs with uterus and Fallopian tubes. A rare, probably inherited disorder. Armendares S, et al. *Clin Genet* 4:291-6, 1973

TRANSPLANTATION

Sex differentiation of the gonad of fry transplanted into the anterior chamber of the adult eye in the teleost, *Oryzias latipes*. Sato N. *J Embryol Exp Morphol* 30:345-58, Oct 73

GONADS

Ovary

CORPUS LUTEUM

Comparison of endocrine function in normal and genetically athymic mice. Shire JG, et al. *Comp Biochem Physiol [A]* 47:93-100, Jan 74
Termination of pregnancy by hypophysectomy in the pig. Kraeling RR, et al. *J Reprod Fertil* 36:215-7, Jan 74
Sexual development in the Mongolian gerbil, *Meriones unguiculatus*, with particular reference to the ovary. Norris ML, et al. *J Reprod Fertil* 36:245-8, Jan 74

ANALYSIS

Ovarian follicular estrogens in Angus heifers. England BG, et al. *J Anim Sci* 37:1176-9, Nov 73

ANATOMY & HISTOLOGY

Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Fujii T. *Endocrinol Jap* 20:425-7, Aug 73
Effect of actinomycin D on corpus luteum regression in ewes. French LR, et al. *J Anim Sci* 37:1218-21, Nov 73
Evaluation of purebreds and two-breed crosses in swine: reproductive performance. Johnson RK, et al. *J Anim Sci* 37:1279-88, Dec 73
Proceedings: Asynchronous egg transfer in the rabbit. Adams CE. *J Reprod Fertil* 35:613-4, Dec 73
The effect of a 'single-feed flush' on ovulation rate in gilts. Staigmiller RB, et al. *J Reprod Fertil* 35:573-5, Dec 73
Direct ovarian observation in the pig by means of laparoscopy. Wildt DE, et al. *J Reprod Fertil* 35:541-3, Dec 73
The effects of pitocin and hysterectomy on growth and involution of the corpus luteum of the rabbit. Soliman FA, et al. *Zentralbl Veterinaermed [A]* 20:571-80, Sep 73

BLOOD SUPPLY

Arterial-venous differences in gonadotropin concentration across the ovary of sheep during different reproductive states. Clcmanec JL, et al. *Proc Soc Exp Biol Med* 144:99-105, 1 Oct 73

CYTOLOGY

Prostaglandin F_{2a} and primate corpus luteum: a correlation of structure and function. Kirton KT, et al. *Fertil Steril* 24:926-34, Dec 73
The correlation of clinical and morphological parameters in induced ovulatory cycles in the human. Noriega C, et al. *Int J Fertil* 18:177-81, 1973
[Aminopeptidases, amino acid arylamidases and neuraminidase as constituents of a catabolic enzyme system in the corpus luteum] Unbehau V. *Fortschr Geburtshilfe Gynaekol* 50:101-71, 1973 (148 ref.) (Ger)
[The ultrastructure of lutein cells in the guinea pig corpus luteum during pregnancy and oestrous cycle (author's transl)] Bourneva V. *Z Zellforsch Mikrosk Anat* 142:524-37, 1973 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al. *Am J Vet Res* 34:1493-9, Dec 73
Prostaglandins in reproduction. Behrman HR, et al. *Arch Intern Med* 133:77-84, Jan 74 (50 ref.)
Prostaglandin F_{2a} and primate corpus luteum: a correlation of structure and function. Kirton KT, et al. *Fertil Steril* 24:926-34, Dec 73
Effect of actinomycin D on corpus luteum regression in ewes. French LR, et al. *J Anim Sci* 37:1218-21, Nov 73
Uterine motility and sperm transport in the estrous

ewe after prostaglandin induced regression of corpora lutea. Hawk HW. *J Anim Sci* 37:1380-5, Dec 73
Proceedings: The use of drugs to elucidate the mechanism of luteolysis in the pseudopregnant rat. Bishop CL, et al. *J Reprod Fertil* 35:597-8, Dec 73
Effect of chorionic gonadotropin on corpus luteum of the monkey. Surve AH, et al. *Proc Soc Exp Biol Med* 144:963-8, Dec 73
The effects of pitocin and hysterectomy on growth and involution of the corpus luteum of the rabbit. Soliman FA, et al. *Zentralbl Veterinaermed [A]* 20:571-80, Sep 73

ENZYMOLGY

The effect of oxythiamine on rat ovolimplantation. Deh C, et al. *Fertil Steril* 24:962-71, Dec 73
Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. *Gynecol Invest* 4:106-20, 1973
Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al. *J Clin Endocrinol Metab* 38:99-106, Jan 74
Studies on the blockade of progesterone secretion by grafted corpora lutea in the pregnant rat. Gihori G, et al. *J Reprod Fertil* 35:553-5, Dec 73
[Aminopeptidases, amino acid arylamidases and neuraminidase as constituents of a catabolic enzyme system in the corpus luteum] Unbehau V. *Fortschr Geburtshilfe Gynaekol* 50:101-71, 1973 (148 ref.) (Ger)

GROWTH & DEVELOPMENT

Some features of the early development of corpus luteum in the cow. Greve T, et al. *Nord Vet Med* 25:614-8, Dec 73
The effects of pitocin and hysterectomy on growth and involution of the corpus luteum of the rabbit. Soliman FA, et al. *Zentralbl Veterinaermed [A]* 20:571-80, Sep 73

INJURIES

Tubal amylase. Hochberg CJ. *Obstet Gynecol* 43:129-31, Jan 74

METABOLISM

Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. Younglai EV. *Acta Endocrinol (Kbh)* 74:775-82, Dec 73
Distribution of delta 9-tetrahydrocannabinol in the mouse. Freudenthal RI, et al. *Br J Pharmacol* 44:244-9, Feb 72
Progravid phase of the rat reproductive cycle: daily changes in the in vitro RNA synthesis and progesterin secretion by isolated corpora lutea. Bartosik D, et al. *Endocrinology* 91:45-8, Jan 74
Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al. *J Clin Endocrinol Metab* 38:99-106, Jan 74
Studies on the blockade of progesterone secretion by grafted corpora lutea in the pregnant rat. Gihori G, et al. *J Reprod Fertil* 35:553-5, Dec 73
Binding of radiolabeled human placental lactogen to buffalo corpus luteum in vitro. Moodbidri SB, et al. *J Reprod Fertil* 35:453-60, Dec 73

PHYSIOLOGY

Peripheral plasma levels of oestrone, oestradiol-17beta and progesterone during ovulatory menstrual cycles in the rhesus monkey with special reference to the onset of menstruation. Bosu WT, et al. *Acta Endocrinol (Kbh)* 74:732-42, Dec 73

CORPUS LUTEUM

- The effect of estradiol replacement therapy on early pregnant luteotomized patients. Csapo AI, et al. *Am J Obstet Gynecol* 117:987-90, 1 Dec 73
- Luteolysis, luteostasis, and the effect of prostaglandin F₂ alpha in cows after endometrial irritation. Sequin BE, et al. *Am J Vet Res* 35:57-61, Jan 74
- Prostaglandins in reproduction. Behrman HR, et al. *Arch Intern Med* 133:77-84, Jan 74 (50 ref.)
- Prostaglandin F₂a and primate corpus luteum: a correlation of structure and function. Kirton KT, et al. *Fertil Steril* 24:928-34, Dec 73
- Corpora lutea and oviposition in the lizard *Sceloporus undulatus*. Roth JJ, et al.
- Gen Comp Endocrinol* 21:569-72, Dec 73
- Effect of actinomycin D on corpus luteum regression in ewes. French LR, et al. *J Anim Sci* 37:1218-21, Nov 73
- Uterine motility and sperm transport in the estrous ewe after prostaglandin induced regression of corpora lutea. Hawk HW. *J Anim Sci* 37:1380-5, Dec 73
- Proceedings: Prostaglandin F in the vena caval blood during the oestrous cycle of the ewe. Fitzpatrick RJ, et al. *J Physiol (Lond)* 234:57P-59P, Oct 73
- Proceedings: The effect of HCG on follicular activity in the cow. Dohson H. *J Reprod Fertil* 35:605, Dec 73
- Proceedings: The effect of the administration of progesterone on the initiation of parturition in the goat. Rawlings NC, et al.
- J Reprod Fertil* 35:606-7, Dec 73
- Some features of the early development of corpus luteum in the cow. Greve T, et al.
- Nord Vet Med* 25:614-8, Dec 73

SECRETION

- Progravid phase of the rat reproductive cycle: daily changes in the in vitro RNA synthesis and progesterin secretion by isolated corpora lutea. Bartosik D, et al. *Endocrinology* 91:45-8, Jan 74
- Studies on the blockade of progesterone secretion by grafted corpora lutea in the pregnant rat. Gihori G, et al. *J Reprod Fertil* 35:553-5, Dec 73
- Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al.
- Proc Soc Exp Biol Med* 144:923-6, Dec 73
- Effect of chorionic gonadotropin on corpus luteum of the monkey. Surve AH, et al.
- Proc Soc Exp Biol Med* 144:963-8, Dec 73

SURGERY

- The effect of estradiol replacement therapy on early pregnant luteotomized patients. Csapo AI, et al. *Am J Obstet Gynecol* 117:987-90, 1 Dec 73

TRANSPLANTATION

- Studies on the blockade of progesterone secretion by grafted corpora lutea in the pregnant rat. Gihori G, et al. *J Reprod Fertil* 35:553-5, Dec 73

GRAAFIAN FOLLICLE

- Sexual development in the Mongolian gerbil, *Meriones unguiculatus*, with particular reference to the ovary. Norris ML, et al. *J Reprod Fertil* 36:245-8, Jan 74

ANALYSIS

- Ovarian follicular estrogens in Angus heifers. England BG, et al. *J Anim Sci* 37:1176-9, Nov 73

ANATOMY & HISTOLOGY

- Ovarian follicular estrogens in Angus heifers. England BG, et al. *J Anim Sci* 37:1176-9, Nov 73
- The effect of a 'single-feed flush' on ovulation rate in gilts. Staigmiller RB, et al.
- J Reprod Fertil* 35:573-5, Dec 73
- Direct ovarian observation in the pig by means of laparoscopy. Wildt DE, et al.
- J Reprod Fertil* 35:541-3, Dec 73
- Anatomical and histological observations on the reproductive tract of mares with abnormal oestrous cycles. Nlekerk CH van, et al.
- J S Afr Vet Assoc* 44:141-52, Jun 73

CYTOLOGY

- Protein incorporation by isolated amphibian oocytes.

GONADS

- IV. The role of follicle cells and calcium during protein uptake. Wallace RA, et al.
- Exp Cell Res* 82:287-95, Dec 73
- Ultrastructural studies on the relationship between follicular cells and growing oocytes in the turtle *Pseudemys scripta elegans*. Rahil KS, et al.
- J Anat* 115:175-86, Jul 73
- Effect of glycosidase inhibitors on the capacitation of hamster spermatozoa by cumulus cells in vitro.
- Gwatkin RB, et al. *J Reprod Fertil* 35:565-7, Dec 73

DRUG EFFECTS

- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al.
- Am J Vet Res* 34:1493-9, Dec 73
- Protein incorporation by isolated amphibian oocytes.
- IV. The role of follicle cells and calcium during protein uptake. Wallace RA, et al.
- Exp Cell Res* 82:287-95, Dec 73
- Corpora lutea and oviposition in the lizard *Sceloporus undulatus*. Roth JJ, et al.
- Gen Comp Endocrinol* 21:569-72, Dec 73
- Induction of ovulation in pigs with gonadotrophin releasing hormone. Baker RD, et al.
- J Anim Sci* 37:1376-9, Dec 73
- Masculinizing effects of a testicular interstitial cell tumour graft on female rats. Pourreau-Schnelder N. *J Endocrinol* 59:353-61, Nov 73
- Proceedings: The effects of synthetic gonadotrophin-releasing factor on ovarian function in anoestrous ewes. Hareisign W, et al.
- J Reprod Fertil* 35:600-1, Dec 73
- Proceedings: Follicle growth initiation in the immature mouse ovary: extraovarian or intraovarian control? Peters H, et al. *J Reprod Fertil* 35:619-20, Dec 73
- Ovarian development and ovulation in hens treated with synthetic (porcine) luteinizing hormone releasing hormone-follicle stimulating hormone releasing hormone (LH-RH-FSH-RH). Reeves JJ, et al.
- Poult Sci* 52:1883-6, Sep 73

ENZYMOLGY

- The effect of oxythiamine on rat ovolimplantation. Deh C, et al. *Fertil Steril* 24:962-71, Dec 73

GROWTH & DEVELOPMENT

- Quantitative aspects of follicular development in the untreated and PMS-treated cyclic hamster.
- Greenwald GS. *Anat Rec* 178:139-43, Jan 74
- Proceedings: Follicle growth initiation in the immature mouse ovary: extraovarian or intraovarian control? Peters H, et al. *J Reprod Fertil* 35:619-20, Dec 73
- Anatomical and histological observations on the reproductive tract of mares with abnormal oestrous cycles. Nlekerk CH van, et al.
- J S Afr Vet Assoc* 44:141-52, Jun 73

METABOLISM

- Bioluminescence of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. Younglai EV.
- Acta Endocrinol (Kbh)* 74:775-82, Dec 73
- Protein incorporation by isolated amphibian oocytes.
- IV. The role of follicle cells and calcium during protein uptake. Wallace RA, et al.
- Exp Cell Res* 82:287-95, Dec 73

PATHOLOGY

- Anatomical and histological observations on the reproductive tract of mares with abnormal oestrous cycles. Nlekerk CH van, et al.
- J S Afr Vet Assoc* 44:141-52, Jun 73

PHYSIOLOGY

- Testosterone secretion by rabbit ovary in vivo. Hilliard J, et al. *Endocrinology* 91:267-71, Jan 74

SECRETION

- Proceedings: Androstenedione: a secretory product of the Graafian follicle. Baird DT, et al.
- J Endocrinol* 59:xxxvi, Nov 73
- Proceedings: Regulation of steroid secretion in sheep

ovarian follicles. McIntosh JE, et al.
J Reprod Fertil 35:805-8, Dec 73

OVARY

- Pineal influence on the Harderian glands of female golden hamsters. Clahough JW, et al.
Anat Rec 178:119-25, Jan 74
- A comparison of cell survival and chromosomal damage using CHO cells synchronized with and without colcemid. Bhamhani R, et al.
Can J Genet Cytol 15:605-18, Sep 73
- Cell survival and repair of plateau-phase cultures after chemotherapy--relevance to tumor therapy and to the in vitro screening of new agents. Ray GR, et al.
Cancer Chemother Rep 57:473-5, Nov-Dec 73
- A phase 2 evaluation of 1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (NSC 95441) in patients with advanced breast cancer. Ahmann DL, et al.
Cancer Res 34:27-30, Jan 74
- Buoyant density separation of human blood cells in renografin gradients. Grdina DJ, et al.
Exp Cell Res 81:250-4, Sep 73
- Inhibition of cell division in mammalian cell cultures by hypertonic medium. Wheatley DN, et al.
Experientia 29:1393-5, 15 Nov 73
- The effects of ICI 46,474 on ovum transport and implantation in the rat. Major JS, et al.
J Reprod Fertil 38:117-24, Jan 74
- RNA synthesis of vesicular stomatitis virus. V. Interactions between transcription and replication. Perlman SM, et al.
J Virol 12:1395-400, Dec 73
- Morphological transformation of enucleated Chinese hamster ovary cells by dibutyl adenine 3',5'-monophosphate and hormones. Schröder CH, et al.
Nature [New Biol] 246:58-60, 14 Nov 73
- Proceedings: Cooperative clinical trials in primary breast cancer: a critical appraisal. Fisher B.
Proc Natl Cancer Conf 7:285-302, 1973 (24 ref.)
- Proceedings: Management of advanced breast cancer. Fracchia AA, et al.
Proc Natl Cancer Conf 7:303-7, 1973
- Host-parasite relations in Lohatostoma manteri Rohde (Trematoda: Aspidogastrea). Rohde K, et al.
Z Parasitenkd 42:115-36, 1973
- [Clomiphene test in amenorrhea of mental anorexia (apropos of 26 cases)] Decourt J.
Ann Med Interne (Paris) 124:641-5, Aug-Sep 73 (Fre)
- [Hormone therapy in cancers of the thyroid and the mammary gland] Closon J.
Rev Med Liege 28:671-9, Oct 73 (Fre)
- [Case of a salpingo-ovarian pregnancy] Switkiewicz T, et al.
Ginekol Pol 44:1199-203, Oct 73 (Eng. Abstr.) (Pol)

ABNORMALITIES

- Incomplete testicular feminization syndrome with puberal virilization. Himathongkam T, et al.
Am J Obstet Gynecol 118:288-90, 15 Jan 74
- Surgical correction of caudal duplication (dipygus). Simpson JS, et al.
J Pediatr Surg 5:935-8, Dec 73
- [Genital function in patients with gonadal dysgenesis of female phenotype] Genkova P, et al.
Akush Ginekol (Sofia) 12:289-93, 1973 (Eng. Abstr.) (Bul)
- [Unusual case of unilateral ovarian agenesis associated with dermoid cyst] Ianeva R, et al.
Akush Ginekol (Sofia) 12:156-7, 1973 (Bul)
- [Dermatoglyphic studies in patients with primary and secondary hypoovarism] Spasov S, et al.
Zentralbl Gynaekol 95:1287-90, 7 Sep 73 (Eng. Abstr.) (Ger)

ANALYSIS

- Blockade of the surge of prolactin at pro-oestrus by administration of anti-oestrogenic substance, MER-25. Yokoyama A, et al.
Acta Endocrinol (Kbh) 74:769-74, Dec 73
- Morphogenesis of the ovarian interstitial tissue in the neonatal mouse. Quattropani SL.
Anat Rec 177:569-83, Dec 73
- Relaxin in ovarian tissue during different reproductive stages in the rat. Anderson LL, et al.
J Endocrinol 59:371-2, Nov 73
- Proceedings: Central depressant steroids in the ovaries of rats during different phases of the oestrous cycle. Holzhauser M. J Physiol (Lond) 234:96P-97P, Oct 73
- Bacterial invasion of the urinary tract by way of the

vaginal route in the rat. Dierauf LA, et al.
Surg Gynecol Obstet 138:62-4, Jan 74

ANATOMY & HISTOLOGY

- In vitro perfusion of the human utero-tubo-ovarian unit. Tojo S, et al.
Am J Obstet Gynecol 118:119-29, 1 Jan 74
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al.
Am J Vet Res 34:1493-9, Dec 73
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches. Sokolowski JH, et al.
Am J Vet Res 34:1501-3, Dec 73
- Comparison of endocrine function in normal and genetically athymic mice. Shire JG, et al.
Comp Biochem Physiol [A] 47:93-100, Jan 74
- Effect of hypophysectomy on sex transformation in frog tadpoles. Hsu CY, et al.
Endocrinol Jap 20:391-5, Aug 73
- Resumption of cyclicity in light induced persistent estrus by treatment with serotonin or its precursor. Takahashi M, et al.
Endocrinol Jap 20:271-6, Jun 73
- Effects of limbic forebrain ablation on pituitary gonadal function in the female rat. Terasawa E, et al.
Endocrinol Jap 20:277-90, Jun 73
- Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
Experientia 29:1398-9, 15 Nov 73
- Effect of neonatal administration of prolactin on pituitary secretion of prolactin and gonadotrophins in adult female rats. Nagasawa H, et al.
J Endocrinol 59:377-8, Nov 73
- Sex difference in gonadal maintenance in graded hypophysectomized rats. Shih BY, et al.
J Formosan Med Assoc 72:325-31, Jun 73
- Proceedings: Cyclical activity of ovarian transplants in neonatally castrated male rats. Schoot P van der.
J Reprod Fertil 35:581-2, Dec 73
- Direct ovarian observation in the pig by means of laparoscopy. Wildt DE, et al.
J Reprod Fertil 35:541-3, Dec 73
- Anatomical and histological observations on the reproductive tract of mares with abnormal oestrous cycles. Niekerk CH van, et al.
J S Afr Vet Assoc 44:141-52, Jun 73
- Androgen-induced sexual differentiation of the brain is blocked by inhibitors of DNA and RNA synthesis. Salaman DF, et al.
Nature 247:109-12, 11 Jan 74
- The influence of melatonin administered subcutaneously, intravenously, or intraocularly upon ovulation in the PMS-treated immature rat. Pomerantz G, et al.
Neuroendocrinology 12:354-61, 1973
- A systematic analysis of the hCG augmentation assay for follicle stimulating hormone. Jacobs MM, et al.
Proc Soc Exp Biol Med 144:106-9, 1 Oct 73

BLOOD SUPPLY

- In vitro perfusion of the human utero-tubo-ovarian unit. Tojo S, et al.
Am J Obstet Gynecol 118:119-29, 1 Jan 74
- Arterial-venous differences in gonadotropin concentration across the ovary of sheep during different reproductive states. Clemanec JL, et al.
Proc Soc Exp Biol Med 144:99-105, 1 Oct 73
- Steroid pellets and venous diameter in orchidectomized, ovariectomized, and ovariectomized-hysterectomized mice. Forbes TR, et al.
Proc Soc Exp Biol Med 144:356-8, 1 Oct 73
- [Adrenergic innervation of the ovaries in the postnatal ontogenesis of animals (fluorescence microscopic study)] Leontluk LA.
Arkhy Anat Gistol Embriol 64:16-23, May 73 (Eng. Abstr.) (Rus)

CYTOLOGY

- Morphogenesis of the ovarian interstitial tissue in the neonatal mouse. Quattropani SL.
Anat Rec 177:569-83, Dec 73
- On the origin of 46,XX and 47,XXY males, 46,XY females and the position of the Xg locus. Côté GB.
Ann Hum Genet 37:21-30, Jul 73
- Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in

- mitochondrial steroid hydroxylations. Baron J. *Biochem Biophys Res Commun* 54:764-9, 18 Sep 73
- Cell membrane permeability during the cell generation cycle in Chinese hamster ovary cells. Cercek L, et al. *Biophysik* 10:195-7, 1973
- Structuredness of the cytoplasmic matrix and Michaelis-Menten constants for the hydrolysis of FDA during the cell cycle in Chinese hamster ovary cells. Cercek L, et al. *Biophysik* 10:187-94, 1973
- Mechanism of action of gonadotropin. IV. Cyclic adenosine monophosphate-dependent translocation of ovarian cytoplasmic cyclic adenosine monophosphate-binding protein and protein kinase to nuclear acceptor sites. Jungmann RA, et al. *Endocrinology* 91:188-83, Jan 74
- Carbon dioxide production from pyruvate and glucose by bovine oocytes. Rushmer RA, et al. *Exp Cell Res* 82:252-4, Dec 73
- Ultrastructure of the rat ovary transplanted into the spleen. Horvath E, et al. *Gynecol Invest* 4:73-83, 1973
- Microtubules, microfilaments, and pigment movement in the chromatophores of *Palaemonetes vulgaris* (Crustacea). Robison WG Jr, et al. *J Exp Zool* 186:279-304, Dec 73
- Subcellular distribution of aminoacyl-transfer RNA synthetases in Chinese hamster ovary cell culture. Hampel A, et al. *J Mol Biol* 79:285-93, 15 Sep 73
- The cell cycle. Mazia D. *Sci Am* 230:53-64, Jan 74
- [Electron microscopic and histochemical studies of steroid-producing cells in the ovary of women with uterine myoma] Takeva Ts, et al. *Akush Ginekol (Sofia)* 12:407-12, 1973 (Eng. Abstr.) (Bul)
- [Ovarian autodifferentiation in the oligochaetous annelid, *Eisenia fetida* f. *typica* sav., demonstrated by means of organ culture] Lattaud C. *CR Acad Sci [D] (Paris)* 276:1737-40, 12 Mar 73 (Fre)
- [Spin-lattice relaxation times of the cellular protons of water in normal and cancerous human tissues (author's transl)] Schmidt K, et al. *Z Krebsforsch* 80:209-22, 6 Dec 73 (Eng. Abstr.) (Ger)
- ### DRUG EFFECTS
- Female endocrine control mechanisms during the neonatal period. 3. The effect of clomiphene citrate. Schulz KD, et al. *Acta Endocrinol (Kbh)* 74:144-56, Sep 73
- Effect on estradiol on the mouse female reproductive system in organ culture. Stadnicka A, et al. *Acta Histochem (Jena)* 45:287-80, 1973
- Amenorrhea following use of combined oral contraceptives. Furuhjelm M, et al. *Acta Obstet Gynecol Scand* 52:373-9, 1973
- Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexylidenemethane. Tojo S, et al. *Acta Obstet Gynecol Scand* 52:335-43, 1973
- Dose and time dependence of testosterone-induced precocious puberty in female rats. Marton I, et al. *Acta Physiol Acad Sci Hung* 43:49-53, 1973
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches. Sokolowski JH, et al. *Am J Vet Res* 34:1501-3, Dec 73
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al. *Am J Vet Res* 34:1493-9, Dec 73
- Localization of a sheep pineal antigonadotropin. Ebels I, et al. *Anal Biochem* 56:546-65, Dec 73
- Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Rao CV, et al. *Biochem Biophys Res Commun* 54:744-50, 18 Sep 73
- Effects of salmon gonadotropin on ovulation in the ayu, *Plecoglossus altivelis*, with special reference to water balance. Hirose K, et al. *Comp Biochem Physiol [A]* 47:283-9, Jan 74
- Ovulation blockade in rats by rabbit anti-luteinizing hormone releasing factor serum. Makino T, et al. *Contraception* 8:133-45, Aug 73
- Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Fujii T. *Endocrinol Jap* 20:425-7, Aug 73
- The possible mode of action of prostaglandins. 3. Ovarian response to exogenous gonadotrophins in the presence of PGF₂alpha or PGE₂ in immature rats. Chatterjee A. *Endokrinologie* 61:307-11, May 73
- Endocytosis in Chinese hamster fibroblasts. Inhibition by glucose. Becker G, et al. *Exp Cell Res* 82:310-4, Dec 73
- The effect of oxythylamine on rat ovidimplantation. Deb C, et al. *Fertil Steril* 24:962-71, Dec 73
- Reaction of C57 and CBA inbred strains of mice to gonadotrophins. Marchiewska-Koj A, et al. *Folia Biol (Krakow)* 21:243-50, 1973
- Some effects of exogenous gonadotrophins and prolactin on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al. *Gen Comp Endocrinol* 21:424-30, Dec 73
- Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats. Fontaine YA, et al. *Horm Metab Res* 5:376-80, Sep 73
- Multiple forms of deoxyribonucleic acid-dependent ribonucleic acid polymerase in *Xenopus laevis*. Levels of activity during oocyte and embryonic development. Roeder RG. *J Biol Chem* 249:243-56, 10 Jan 74
- Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksí SN. *J Endocrinol* 59:655-6, Dec 73
- Proceedings: The influence of lactation on the ovarian response of Bikaneri ewes of different haemoglobin types to pregnant mare serum gonadotrophin administration. Pant HC. *J Endocrinol* 59:48, Nov 73
- Masculinizing effects of a testicular interstitial cell tumour graft on female rats. Pourreau-Schneider N. *J Endocrinol* 59:353-61, Nov 73
- Microtubules, microfilaments, and pigment movement in the chromatophores of *Palaemonetes vulgaris* (Crustacea). Robison WG Jr, et al. *J Exp Zool* 186:279-304, Dec 73
- Differences in ovarian sensitivity of mice selected for fecundity. Bindon BM, et al. *J Reprod Fertil* 36:221-4, Jan 74
- Proceedings: The effects of synthetic gonadotrophin-releasing factor on ovarian function in anoestrous ewes. Haresign W, et al. *J Reprod Fertil* 35:600-1, Dec 73
- Androgen-induced sexual differentiation of the brain is blocked by inhibitors of DNA and RNA synthesis. Salaman DF, et al. *Nature* 247:109-12, 11 Jan 74
- Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al. *Obstet Gynecol* 43:87-96, Jan 74
- Ovarian development and ovulation in hens treated with synthetic (porcine) luteinizing hormone releasing hormone-follicle stimulating hormone releasing hormone (LH-RH-FSH-RH). Reeves JJ, et al. *Poult Sci* 52:1883-6, Sep 73
- Effects of estrogen and progestogen on the cardiovascular and endocrine systems of turkeys. Simpson CF. *Poult Sci* 52:1887-90, Sep 73
- A systematic analysis of the hCG augmentation assay for follicle stimulating hormone. Jacobs MM, et al. *Proc Soc Exp Biol Med* 144:106-9, 1 Oct 73
- Effect of norhydroxyprogesterone caproate on cervical sperm penetration and secretion of ovarian steroids in the human female. Carlborg L. *Ups J Med Sci* 78:189-90, Jul 73
- [The activating role of ACTH in the mechanism of equilibration of functions of the body] Simlonescu S. *Rev Roum Physiol* 10:467-9, 1973 (Fre)
- [Some results in the examination of the biological effect of synthetic thyrotropin-releasing factor] Fedotov VP, et al. *Probl Endokrinol (Mosk)* 19:54-9, Nov-Dec 73 (Eng. Abstr.) (Rus)
- ### EMBRYOLOGY
- Male and female differentiation of the human gonad. Boczkowski K. *Clin Genet* 4:213-9, 1973
- Oogonia and oocytes degeneration and the nutritive macrophages in the process of the development of the ovary in embryos of the domestic pig (*Sus scrofa dom. L.*). Bielanaka-Osuchowska Z. *Z Anat Entwicklungsgesch* 142:37-52, 1973
- [Paramesonephric epithelium and its relationship to the surface epithelium of the ovary (author's transl)] Jirásek JE. *Cesk Gynecol* 38:891-4, Nov 73 (Cze)
- [Dermatoglyphic studies in patients with primary and secondary hypoovarism] Spasov S, et al. *Zentralbl Gynaekol* 95:1287-90, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON. *Akush Ginekol (Mosk)* 49:26-33, Aug 73 (Rus)

GONADS

OVARY

ENZYMOLGY

- Effect on estradiol on the mouse female reproductive system in organ culture. Stadnicka A, et al. *Acta Histochem (Jena)* 45:267-80, 1973
- Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexyldienemetbane. Tojo S, et al. *Acta Obstet Gynecol Scand* 52:335-43, 1973
- Localization of ovarian acetylcholinesterase and butyrylcholinesterase in the guinea pig during the reproductive cycle. Chaffee VW. *Am J Vet Res* 35:91-5, Jan 74
- Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in mitochondrial steroid hydroxylations. Baron J. *Biochem Biophys Res Commun* 54:764-9, 18 Sep 73
- Structuredness of the cytoplasmic matrix and Michaelis-Menten constants for the hydrolysis of FDA during the cell cycle in Chinese hamster ovary cells. Cercek L, et al. *Biophysik* 10:187-94, 1973
- Proceedings: Influence of endocrine glands on central and peripheral monoamine oxidase activity. Holzbauer M, et al. *Br J Pharmacol* 44:355P-356P, Feb 72
- Mechanism of action of gonadotropin. IV. Cyclic adenosine monophosphate-dependent translocation of ovarian cytoplasmic cyclic adenosine monophosphate-binding protein and protein kinase to nuclear acceptor sites. Jungmann RA, et al. *Endocrinology* 91:168-83, Jan 74
- Two functional X chromosomes in human fetal oocytes. Gartler SM, et al. *Exp Cell Res* 82:464-6, Dec 73
- The effect of oxythiamine on rat ovidimplantation. Deb C, et al. *Fertil Steril* 24:962-71, Dec 73
- Thymidylate synthetase in mutants of *Drosophila melanogaster*. Carpenter NJ. *Genetics* 75:113-22, Sep 73
- Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats. Fontaine YA, et al. *Horm Metab Res* 5:376-80, Sep 73
- Multiple forms of deoxyribonucleic acid-dependent ribonucleic acid polymerase in *Xenopus laevis*. Isolation and partial characterization. Roeder RG. *J Biol Chem* 249:241-8, 10 Jan 74
- Multiple forms of deoxyribonucleic acid-dependent ribonucleic acid polymerase in *Xenopus laevis*. Levels of activity during oocyte and embryonic development. Roeder RG. *J Biol Chem* 249:249-56, 10 Jan 74
- Subcellular distribution of aminoacyl-transfer RNA synthetases in Chinese hamster ovary cell culture. Hampel A, et al. *J Mol Biol* 79:285-93, 15 Sep 73
- Initial steps in the de novo pyrimidine biosynthesis in *Ascaris suum*. Kurelec B. *J Parasitol* 59:1006-11, Dec 73
- [Protein kinase of ovary, ovarian oocytes and oocytes during maturation and ovulation in vitro of *Xenopus laevis*] Wiblet M, et al. *Arch Int Physiol Biochim* 81:813, Oct 73 (Fre)
- [Aminopeptidases, amino acid arylamidases and neuraminidase as constituents of a catabolic enzyme system in the corpus luteum] Unbehauen V. *Fortschr Geburtshilfe Gynaekol* 50:101-71, 1973 (148 ref.) (Ger)
- [Studies on fibrinolytic activity and alpha I antitrypsin in the human ovary and the ovarian carcinoma as well as in bydatidiform moles] Kiddess E, et al. *Med Welt* 24:1406-7, Sep 73 (Ger)
- [Investigations of the structural and functional conditions of the postmenopausal ovaries in patients with carcinomas of the corpus and neck (author's transl)] Mestwerdt W, et al. *Munch Med Wochenschr* 115:1798-805, 12 Oct 73 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

- Morphogenesis of the ovarian interstitial tissue in the neonatal mouse. Quattropoli SL. *Anat Rec* 177:569-83, Dec 73
- Some effects of exogenous gonadotropins and prolactin on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al. *Gen Comp Endocrinol* 21:424-30, Dec 73
- Thymidylate synthetase in mutants of *Drosophila melanogaster*. Carpenter NJ. *Genetics* 75:113-22, Sep 73
- Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats. Fontaine YA, et al. *Horm Metab Res* 5:376-80, Sep 73
- Genetic and physiologic control of fissioning and

- sexuality in planarians. Grasso M, et al. *J Embryol Exp Morphol* 30:317-28, Oct 73
- Sex differentiation of the gonad of fry transplanted into the anterior chamber of the adult eye in the teleost, *Oryzias latipes*. Sato N. *J Embryol Exp Morphol* 30:345-58, Oct 73
- Proceedings: The development of fetal and infant guinea-pig gonadal tissue in adult hosts. Donovan BT, et al. *J Reprod Fertil* 35:582-3, Dec 73
- Sexual development in the Mongolian gerbil, *Meriones unguiculatus*, with particular reference to the ovary. Norris ML, et al. *J Reprod Fertil* 36:245-8, Jan 74
- [Ovarian autodifferentiation in the oligochaetous annelid, *Eisenia fetida* f. *typica* sav., demonstrated by means of organ culture] Lattaud C. *C R Acad Sci [D] (Paris)* 276:1737-40, 12 Mar 73 (Fre)

IMMUNOLOGY

- Experimental autoimmune-oophoritis in the rat. Jankovic BD, et al. *Eur J Immunol* 3:375-7, Jun 73
- The antigenic pattern of the developing brain of the zebrafish, *Brachydanio rerio*. II. Brain specific antigens. Laale H, et al. *J Exp Zool* 186:257-68, Dec 73
- A search for embryonic antigens in regenerating intestine of the adult leopard frog, *Rana pipiens*. Donaldson DJ, et al. *Oncology* 28:523-35, 1973
- [Immunological barriers to fertility] Barrelet V. *Rev Med Suisse Romande* 93:847-64, Nov 73 (Fre)

INJURIES

- [Reaction of the ovary to injury] Artem'eva NS. *Akush Ginekol (Mosk)* 49:34-8, Aug 73 (Eng. Abstr.) (Rus)

INNERVATION

- [Adrenergic innervation of the ovaries in the postnatal ontogenesis of animals (fluorescence microscopic study)] Leontyuk LA. *Arkhn Anat Gistol Embriol* 64:16-23, May 73 (Eng. Abstr.) (Rus)

METABOLISM

- Female endocrine control mechanisms during the neonatal period. 3. The effect of clomiphene citrate. Schulz KD, et al. *Acta Endocrinol (Kbh)* 74:144-56, Sep 73
- Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexyldienemetbane. Tojo S, et al. *Acta Obstet Gynecol Scand* 52:335-43, 1973
- Evidence from triton X-100 polyacrylamide gel electrophoresis that histone f2a2, not f2b, is phosphorylated in Chinese hamster cells. Gurley LR, et al. *Biochem Biophys Res Commun* 55:697-703, 10 Dec 73
- Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Rao CV, et al. *Biochem Biophys Res Commun* 54:744-50, 18 Sep 73
- The cell-cycle phase synthesis of non-histone proteins in mammalian cells. Gerner EW, et al. *Biochim Biophys Acta* 331:117-27, 26 Nov 73
- Cell membrane permeability during the cell generation cycle in Chinese hamster ovary cells. Cercek L, et al. *Biophysik* 10:195-7, 1973
- Male and female differentiation of the human gonad. Boczkowski K. *Clin Genet* 4:213-9, 1973
- Effects of salmon gonadotropin on ovulation in the ayu, *Plecoglossus altivelis*, with special reference to water balance. Hirose K, et al. *Comp Biochem Physiol [A]* 47:283-9, Jan 74
- Cholesterol sulfate: some aspects of its biosynthesis and uptake by tissues from blood. Hochberg RB, et al. *Endocrinology* 91:207-13, Jan 74
- Mechanism of action of gonadotropin. IV. Cyclic adenosine monophosphate-dependent translocation of ovarian cytoplasmic cyclic adenosine monophosphate-binding protein and protein kinase to nuclear acceptor sites. Jungmann RA, et al. *Endocrinology* 91:168-83, Jan 74
- Endocytosis in Chinese hamster fibroblasts. Inhibition by glucose. Becker G, et al. *Exp Cell Res* 82:310-4, Dec 73
- Carbon dioxide production from pyruvate and glucose by bovine oocytes. Rushmer RA, et al. *Exp Cell Res* 82:252-4, Dec 73

OVARY

GONADS

- The effect of oxythiamine on rat ovariectomy. Deh C, et al. *Fertil Steril* 24:962-71, Dec 73
- Seasonal changes of glycogen level in some organs of the edible frog (*Rana esculenta* L.). Krawczyk S, et al. *Folia Biol (Krakow)* 21:445-53, 1973
- Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. *J Biol Chem* 249:43-51, 10 Jan 74
- Testosterone formation and metabolism during male sexual differentiation in the human embryo. Sileri PK, et al. *J Clin Endocrinol Metab* 38:113-25, Jan 74
- Proceedings: (3H)progesterone-binding to tissues of the human reproductive tract. Crocker SG, et al. *J Endocrinol* 59:17-8, Nov 73
- Proceedings: On the mechanism of action of luteinizing hormone on steroidogenesis. Robinson J, et al. *J Endocrinol* 59:19-xx, Nov 73
- Yolk protein synthesis in the ovary of *Octopus vulgaris* and its control by the optic gland gonadotropin. O'Dor RK, et al. *J Exp Biol* 59:665-74, Dec 73
- Microtubules, microfilaments, and pigment movement in the chromatophores of *Palaemonetes vulgaris* (Crustacea). Rohison WG Jr, et al. *J Exp Zool* 188:279-304, Dec 73
- Binding of radiolabeled human placental lactogen to buffalo corpus luteum in vitro. Moodhidi SB, et al. *J Reprod Fertil* 35:453-60, Dec 73
- [Electron microscopic and histochemical studies of steroid-producing cells in the ovary of women with uterine myoma] Takeva Ts, et al.
- Akush Ginekoi (Sofia) 12:407-12, 1973 (Eng. Abstr.) (Bul)
- [Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Gulchard A, et al.
- Gen Comp Endocrinol* 21:478-84, Dec 73 (Eng. Abstr.) (Fre)

PATHOLOGY

- Massive edema of the ovary. Lupovitch A, et al. *Am J Obstet Gynecol* 118:291-3, 15 Jan 74
- In vitro perfusion of the human utero-tubo-ovarian unit. Tojo S, et al.
- Am J Obstet Gynecol* 118:119-29, 1 Jan 74
- Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology, histology, and ultrastructure. Bjersing L, et al. *Cancer* 32:1360-9, Dec 73
- Comparison of endocrine function in normal and genetically athymic mice. Shire JG, et al.
- Comp Biochem Physiol [A]* 47:93-100, Jan 74
- Development of late pathomorphological changes in the ovaries after irradiation of newborn mice with sublethal doses of X-rays. Chomiczewski K.
- Folia Biol (Krakow)* 21:289-96, 1973
- Autotransplantation of splenic tissue. Report of a case. Jayaraman VD, et al. *Int Med J* 141:556-8, Jun 73
- Primary abdominal (peritoneal) pregnancy. Kellett RJ. *J Obstet Gynaecol Br Commonw* 80:1102-5, Dec 73
- Anatomical and histological observations on the reproductive tract of mares with abnormal oestrous cycles. Niekerk CH van, et al.
- J S Afr Vet Assoc* 44:141-52, Jun 73
- Laparoscopy in evaluation of pelvic pain. Lundberg WI, et al. *Obstet Gynecol* 42:872-6, Dec 73
- Basal cell carcinoma originating in a benign cystic teratoma of the ovary. Mathios AJ, et al.
- Obstet Gynecol* 42:892-6, Dec 73

PHYSIOLOGY

- Effects of steroid suppression and gonadectomy on adrenal 5 α -reductase activity and corticosterone production in rats. Colby HD, et al.
- Acta Endocrinol (Kbh)* 74:568-75, Nov 73
- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabiosed golden hamsters. Seibel HR, et al.
- Acta Endocrinol (Kbh)* 74:434-48, Nov 73
- Effects of ovariectomy and oestradiol-17 β treatment on brain catecholamines in the rat. Endröczl E, et al.
- Acta Physiol Acad Sci Hung* 43:43-8, 1973
- Use of small samples of urine to follow ovarian and placental changes in progesterone secretion. Metcalf MG. *Am J Obstet Gynecol* 117:1041-5, 15 Dec 73
- Inhibition by thyrocalcitonin of estrogen-induced bone

- resorption in the mouse pubic symphysis. Steinetz BG, et al. *Am J Pathol* 73:735-46, Dec 73
- Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized hitches. Sokolowski JH, et al. *Am J Vet Res* 34:1501-3, Dec 73
- Pharmacology of three mammotropic butyrophonones in the rat. Glivant Y, et al.
- Arch Int Pharmacodyn Ther* 205:317-27, Oct 73
- Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.
- Biochem Biophys Res Commun* 55:623-9, 10 Dec 73
- Accumulation of collagen in the uterus of the immature rat administered estradiol-17 β . Salvador RA, et al.
- Biochem Pharmacol* 22:37-46, 1 Jan 73
- Effect of age of the rat on induction of acetylcholinesterase of the brain by 17 β -estradiol. Moudgil VK, et al.
- Biochim Biophys Acta* 329:211-20, 5 Dec 73
- Maternal processes in the cold-adaptation of mice. Barnett SA. *Biol Rev* 48:477-508, Nov 73 (112 ref.)
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al.
- Brain Res* 60:393-410, 12 Oct 73
- Sex-dependent changes in rat retinal hydroxyindole-O-methyl transferase. Nagle CA, et al.
- Endocrinology* 91:294-7, Jan 74
- Estrogen-progesterone interactions in uterus and brain of intact and adrenalectomized immature and adult rats. Whalen RE, et al. *Endocrinology* 91:214-23, Jan 74
- Growth characteristics of chemically induced rat mammary tumors in autochthonous and secondary hosts. Takizawa S, et al. *Gann* 64:465-74, Oct 73
- Effect of cortisol on the level of pyridoxal phosphate-dependent enzymes in the rat liver: new supports for antagonism between female sex hormones and cortisol. Lefauconnier JM, et al.
- Horm Metab Res* 5:372-5, Sep 73
- Effects of ovariectomy, dexamethasone and progesterone on the maintenance of pregnancy in swine. First NL, et al. *J Anim Sci* 37:1191-4, Nov 73
- Plasma ovarian hormone levels and fertility in beef heifers treated with melengestrol acetate (MGA). Henricks DM, et al. *J Anim Sci* 37:1169-75, Nov 73
- Purification and properties of a progesterone-induced basic glycoprotein from the uterine fluids of pigs. Chen TT, et al. *J Biol Chem* 248:8560-6, 25 Dec 73
- A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al.
- J Clin Endocrinol Metab* 38:126-33, Jan 74
- Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. Alier MS, et al.
- J Physiol (Lond)* 234:81P-82P, Oct 73
- Increased LH-suppressing effect of oestrogen in ovariectomized rats as a result of underfeeding. Howland BE, et al. *J Reprod Fertil* 35:545-8, Dec 73
- Some features of the early development of corpus luteum in the cow. Greve T, et al.
- Nord Vet Med* 25:614-8, Dec 73
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al.
- Proc Soc Exp Biol Med* 144:1002-5, Dec 73
- Effects of estrogen treatment on the oophorectomized female rat aorta. Wolinsky H.
- Proc Soc Exp Biol Med* 144:864-7, Dec 73
- The effect of histamine on the earliest steps of oestrogen action. Castro-Vázquez A, et al.
- Steroids Lipids Res* 4:105-12, Mar 73
- The influence of estradiol-17 β heta dipropionate-progesterone ratios on uterine glycogen in the rat. Garrison BM, et al.
- Steroids* 22:659-65, Nov 73
- Adrenal function in female rats before puberty: the effects of gonadectomy. Ramaley JA.
- Steroids* 22:597-608, Nov 73
- The effect of dihydrotestosterone in combination with ovariectomy on intranuclear inclusions in mammothrophs of the Mongolian gerbil. Nickerson PA, et al. *Tissue Cell* 5:697-702, 1973
- Inhibition by castration of aflatoxin-induced hepatoma in carbon tetrachloride-treated rats. Cardellha PT, et al. *Toxicol Appl Pharmacol* 26:393-7, Nov 73
- [Subcutaneous externalization of the ovary with preservation of its nutrition (preliminary report)] Markov M.

GONADS

OVARY

Akush Ginekoi (Soflia) 12:321-4, 1973 (Eng. Abstr.)
(Bul)

[The influence of ovariectomy, soft diet and nonfunction on the peridontium of the hamsters (author's transl)] Yoshino S.

J Jap Stomatol Soc 40:242-63, Sep 73 (Jap)

[Measurement of the electrical resistance in the cervical canal as a means of determining ovarian functions] Sadauskas VM, et al.

Akush Ginekoi (Mosk) 49:23-6, Aug 73 (Eng. Abstr.)
(Rus)

[Correlation of the indices of pituitary luteinizing hormone excretion and of functional diagnosis tests in a normal menstrual cycle] Sakharov VI, et al.

Akush Ginekoi (Mosk) 49:53-4, May 73 (Rus)

[Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.

Akush Ginekoi (Mosk) 49:26-33, Aug 73 (Rus)

[Effect of epiphyseal extracts in lowering the threshold sensitivity of the hypothalamo-hypophyseal system of old female rats to the action of estrogens] Anisimov VN, et al.

Dokl Akad Nauk SSSR 213:483-5, 11 Nov 73 (Rus)

PHYSIOPATHOLOGY

In vitro perfusion of the human utero-tubo-ovarian unit. Tojo S, et al.

Am J Obstet Gynecol 118:119-29, 1 Jan 74

Letter: Multiple benign hepatomas and virilization by ovarian tumour. Mosonyi L. Lancet 2:1263-4, 1 Dec 73

[Investigations of the structural and functional conditions of the postmenopause ovaries in patients with carcinomas of the corpus and neck (author's transl)] Mestwerdt W, et al.

Munch Med Wochenschr 115:1796-805, 12 Oct 73 (Eng. Abstr.)
(Ger)

[Reaction of the ovary to injury] Artem'eva NS.

Akush Ginekoi (Mosk) 49:34-8, Aug 73 (Eng. Abstr.)
(Rus)

[Treatment with a sulfide-silt mud of ovarian hypofunction of inflammatory etiology] Chumhurldze ESh, et al.

Akush Ginekoi (Mosk) 49:17-9, Mar 73 (Eng. Abstr.)
(Rus)

[Microcirculatory hemostasis indices in dysfunctional uterine hemorrhages] Kheffets SN, et al.

Akush Ginekoi (Mosk) 49:45-9, May 73 (Eng. Abstr.)
(Rus)

[Sequelae of unilateral ovariectomy] Kohozeva NV, et al.

Akush Ginekoi (Mosk) 49:38-42, Aug 73 (Eng. Abstr.)
(Rus)

[Comparison of colpopycytological and histochemical study data on ovarian function in hyperplastic processes in the uterus and breasts] Meznova NN.

Akush Ginekoi (Mosk) 49:50-1, Aug 73 (Rus)

[Healing of ovarian incisions produced by gas laser rays (an experimental study)] Ognev BV, et al.

Akush Ginekoi (Mosk) 49:45-7, Aug 73 (Eng. Abstr.)
(Rus)

[Sclerocystic ovary syndrome] Vikhlaeva EM.

Akush Ginekoi (Mosk) 49:54-8, Mar 73 (Rus)

[Functional and structural changes in the ovary after unilateral ovariectomy] Zvereva GA, et al.

Akush Ginekoi (Mosk) 49:42-5, Aug 73 (Rus)

[Pathogenesis of dysfunctional uterine hemorrhages] Dobrotina AF, et al. Sov Med 36:110-4, Apr 73 (Rus)

[Some indices of sexual function in women with thyroid diseases] Gridneva NK, et al.

Vopr Okhr Materin Det 18:79-82, Jan 73 (Eng. Abstr.)
(Rus)

RADIATION EFFECTS

The response of Chinese hamster (ovary) cells to protracted irradiation from ²⁵²Cf and ⁶⁰Co. Nias AH, et al. Br J Radiol 46:991-5, Nov 73

Development of late pathomorphological changes in the ovaries after irradiation of newborn mice with sublethal doses of X-rays. Chomiczewski K.

Folia Biol (Krakow) 21:289-96, 1973

SECRETION

Testosterone secretion by rabbit ovary in vivo. Hilliard J, et al. Endocrinology 91:267-71, Jan 74

[Subcutaneous externalization of the ovary with preservation of its nutrition (preliminary report)] Markov M.

Akush Ginekoi (Soflia) 12:321-4, 1973 (Eng. Abstr.)
(Bul)

[Effect of hypophysectomy on the secretion of estrogens by the embryonic gonads of female ducks] Akram H, et al.

Gen Comp Endocrinol 21:543-6, Dec 73 (Eng. Abstr.)
(Fre)

SURGERY

Endocrine and immunologic studies in breast cancer. Hoge AF, et al. Am J Surg 126:722-8, Dec 73

Occurrence of spontaneous second pregnancy after delivery of conceptions resulting from ovulation induced by various therapeutic modalities. Canales ES, et al. Int J Fertil 18:182-4, 1973

Torsion of normal uterine adnexa. Bechamps GJ. J Pediatr Surg 8:553, Aug 73

Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al. J Pediatr Surg 5:949-50, Dec 73

[Metrorrhagic forms of Stein-Leventhal syndrome] Markovski N.

Akush Ginekoi (Soflia) 12:104-9, 1973 (Eng. Abstr.)
(Bul)

[Changes in lipomobilization in castrated rats in various periods of age (author's transl)] Stuchiková E, et al. Sb Lek 75:326-40, Nov 73 (Eng. Abstr.) (Cze)

[Healing of ovarian incisions produced by gas laser rays (an experimental study)] Ognev BV, et al.

Akush Ginekoi (Mosk) 49:45-7, Aug 73 (Eng. Abstr.)
(Rus)

[Sexual sensitivity and gynecologic surgery] Castelazo-Ayala L.

Gac Med Mex 106:362-71, Nov 73 (Spa)

TRANSPLANTATION

Ultrastructure of the rat ovary transplanted into the spleen. Horvath E, et al. Gynecol Invest 4:73-83, 1973

Proceedings: The development of fetal and infant guinea-pig gonadal tissue in adult hosts. Donovan BT, et al. J Reprod Fertil 35:582-3, Dec 73

Proceedings: Cyclical activity of ovarian transplants in neonatally castrated male rats. Schoot P van der. J Reprod Fertil 35:581-2, Dec 73

[Subcutaneous externalization of the ovary with preservation of its nutrition (preliminary report)] Markov M.

Akush Ginekoi (Soflia) 12:321-4, 1973 (Eng. Abstr.)
(Bul)

GONADS

Testis

LEYDIG CELLS

- The influence of overcrowding on spermatogenesis, size of Leydig-cell nuclei (histometrical investigation), and the adrenal corticosterone contents in mice. Gärtner K, et al. *Acta Endocrinol (Kbh)* 74:783-91, Dec 73
- A study on morphological changes in the testes of old albino rats. Lützen L, et al. *Beitr Pathol* 149:377-85, Sep 73
- Histochemical and hormonal aspects of testicular feminization. Tóth F, et al. *Endokrinologie* 61:355-64, Jun 73
- [Quantitative examination of the normal prenatal development of gonocytes, Sertoli cells and Leydig cells in the testis of the mouse (author's transl)] Krause W. *Andrologie* 5:15-20, 1973 (Eng. Ahstr.) (Ger)

CYTOLOGY

- Comparative observations on intertubular lymphatics and the organization of the interstitial tissue of the mammalian testis. Fawcett DW, et al. *Biol Reprod* 9:500-32, Dec 73
- [Mitotic and meiotic studies on 70 cases of male sterility (author's transl)] Laurent C, et al. *Andrologie* 5:193-200, 1973 (Eng. Ahstr.) (Fre)
- [Seasonal changes in the morphology of Leydig cells in *Rana esculenta* (author's transl)] Schulze C. *Z Zellforsch Mikrosk Anat* 142:367-86, 17 Sep 73 (Eng. Ahstr.) (Ger)

DRUG EFFECTS

- Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. Harhitz TB. *Acta Pathol Microbiol Scand [A]* 81:301-14, May 73
- Effect of cyproterone and cyproterone acetate on testicular function in the rat: a karyometric study. Heinert G, et al. *Endokrinologie* 61:168-78, May 73
- Effect of testosterone on the histological structure of the testis of adult albino rats. Ahdj SH, et al. *Indian J Med Res* 61:1207-11, Aug 73
- Effect of luteinizing hormone-releasing factor on Leydig cell function. Judd HL, et al. *J Clin Endocrinol Metab* 38:8-13, Jan 74
- [The effect of a spleen dialysate on the genital organs of the male rat. 1. Morphologic and enzyme histochemical studies] Breitenacker G, et al. *Andrologie* 4:363-74, 1972 (Eng. Abstr.) (Ger)

EMBRYOLOGY

- Male and female differentiation of the human gonad. Boczkowski K. *Clin Genet* 4:213-9, 1973

ENZYMOLGY

- HCG-receptor present in the gonadotrophin insensitive Leydig cell of the immature rat. Frowein J, et al. *Nature [New Biol]* 246:148-50, 5 Dec 73
- [The effect of a spleen dialysate on the genital organs of the male rat. 1. Morphologic and enzyme histochemical studies] Breitenacker G, et al. *Andrologie* 4:363-74, 1972 (Eng. Ahstr.) (Ger)
- [Enzyme histochemical studies on the porcine testicular interstitial cells during postnatal development (author's transl)] Wrobel KH, et al. *Histochemie* 36:321-33, 1973 (Eng. Ahstr.) (Ger)

GROWTH & DEVELOPMENT

- [Enzyme histochemical studies on the porcine testicular interstitial cells during postnatal development (author's transl)] Wrobel KH, et al. *Histochemie* 36:321-33, 1973 (Eng. Ahstr.) (Ger)
- [Light and electron microscopic studies on the porcine testicular interstitial cells during postnatal

- development (author's transl)] Dierichs R, et al. *Z Zellforsch Mikrosk Anat* 143:207-27, 1973 (Ger)

METABOLISM

- Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. *J Biol Chem* 249:43-51, 10 Jan 74
- HCG-receptor present in the gonadotrophin insensitive Leydig cell of the immature rat. Frowein J, et al. *Nature [New Biol]* 246:148-50, 5 Dec 73

PATHOLOGY

- Reinke's crystals-1 at damaged germinal epithelium. Posinovec J, et al. *Experientia* 29:1378, 15 Nov 73
- [Morphological study of the gonads in a case of pseudohermaphroditism due to testicular feminization] Jiménez Cardoso JM, et al. *Rev Invest Clin* 25:253-60, Jul-Sep 73 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

- [The effect of elevated temperature and atmospheric radiation on the reproductive system of the male rat in the thermal tunnel of Böckstein (Austria) (author's transl)] Marherger E, et al. *Andrologie* 5:139-46, 1973 (Eng. Ahstr.) (Ger)

SERTOLI CELLS

- Human spermatids and spermatozoa lacking acrosomes. Holstein AF, et al. *J Reprod Fertil* 35:489-91, Dec 73
- Fine structural changes of allergic aspermatogenesis in the guinea pig. II. Induced by the homologous parotid gland as antigen. Nagano T, et al. *Virchows Arch [Zellpathol]* 14:237-45, 7 Dec 73
- Fine structural changes of allergic aspermatogenesis in the guinea pig. I. The similarity in the initial changes induced by passive transfer of anti-testis serum and by immunization with testicular tissue. Nagano T, et al. *Virchows Arch [Zellpathol]* 14:223-35, 7 Dec 73
- [Quantitative examination of the normal prenatal development of gonocytes, Sertoli cells and Leydig cells in the testis of the mouse (author's transl)] Krause W. *Andrologie* 5:15-20, 1973 (Eng. Ahstr.) (Ger)

CYTOLOGY

- Nucleolar and perichromosomal RNA synthesis during meiotic prophase in the mouse testis. Kierszenbaum AL, et al. *J Cell Biol* 60:39-53, Jan 74
- Permeability of Sertoli cell tight junctions to lanthanum after ligation of ductus deferens and ductuli efferentes. Neaves WB. *J Cell Biol* 59:559-72, Dec 73

DRUG EFFECTS

- Pituitary and plasma gonadotrophin levels and spermatogenesis in the goldfish *Carassius auratus* after methallhure treatment. Breton B, et al. *J Endocrinol* 59:415-20, Dec 73

DRUG THERAPY

- [The effect of high dosage vitamin A treatment on the germinal epithelium of the rat (author's transl)] Gasser G, et al. *Andrologie* 5:113-7, 1973 (Eng. Ahstr.) (Ger)

METABOLISM

- Nucleolar and perichromosomal RNA synthesis during meiotic prophase in the mouse testis. Kierszenbaum AL, et al. *J Cell Biol* 60:39-53, Jan 74

PATHOLOGY

- [Morphological study of the gonads in a case of pseudohermaphroditism due to testicular feminization] Jiménez Cardoso JM, et al.
Rev Invest Clin 25:253-60, Jul-Sep 73 (Eng. Abstr.) (Spa)

PHYSIOLOGY

- Male and female differentiation of the human gonad.
 Boczkowski K. *Clin Genet* 4:213-9, 1973

RADIATION EFFECTS

- [Morphological changes in dog testes during chronic and combined gamma-radiation] Plakhuta-Plakutina GI, et al. *Kosm Biol Med* 6:29-34, Nov-Dec 72 (Rus)

TESTIS

- The importance of the included serum proteins in the immune response in rabbits to a rat skin xenograft.
 Krakower CA, et al. *Am J Pathol* 73:549-68, Dec 73
- Calcium-binding phosphoprotein: the principal acidic protein of mammalian sperm. Brooks JC, et al.
Biochem Biophys Res Commun 55:710-6, 10 Dec 73
- Amplification of ribosomal DNA in Acheta. V.
 Hybridization of RNA complementary to ribosomal DNA with pachytene chromosomes. Ullman JS, et al.
Hereditas 74:13-24, 1973
- Histone IIB1 from rainbow trout. Comparison in amino acid sequence with calf thymus IIB1. Bailey GS, et al.
J Biol Chem 248:5463-72, 10 Aug 73
- Differential staining of nucleolus organisers in mammalian chromosomes. Matsui S, et al.
Nature 246:148-50, 16 Nov 73
- Host-parasite relations in *Lobatostoma manteri* Rohde (Trematoda: Aspidogastrea). Rohde K, et al.
Z Parasitenkd 42:115-36, 1973
- [Light and electron microscopic studies on the porcine testicular interstitial cells during postnatal development (author's transl)] Dierichs R, et al.
Z Zellforsch Mikrosk Anat 143:207-27, 1973 (Ger)

ABNORMALITIES

- Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al.
J Clin Invest 53:1-6, Jan 74
- Structural abnormalities in the undescended testis. Dickinson SJ. *J Pediatr Surg* 8:523-7, Aug 73
- Study of the incidence of hypospadias in Rochester, Minnesota, 1940-1970, and a case-control comparison of possible etiologic factors. Sweet RA, et al.
Mayo Clin Proc 49:52-8, Jan 74
- Splenic-gonadal fusion. Heinemann S.
Urology 2:688-7, Dec 73
- [The normal and disturbed prepubertal development of the human testis] Städtler F.
 Veroeff *Morphol Pathol* 92:1-127, 1973 (Eng. Abstr.) (Ger)
- [Clinical picture and pathogenesis of the obstructive azoospermia] Petres J, et al.
Z Hautkr 48:801-7, 1 Oct 73 (61 ref.) (Ger)

ANALYSIS

- Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Ganjam VK, et al.
Acta Endocrinol (Kbh) 74:186-200, Sep 73
- The influence of overcrowding on spermatogenesis, size of Leydig-cell nuclei (histometrical investigation), and the adrenal corticosterone contents in mice. Gärtner K, et al.
Acta Endocrinol (Kbh) 74:783-91, Dec 73
- Carnitine and glycerylphosphorylcholine in the reproductive tract of the male rat. Brooks DE, et al.
J Reprod Fertil 36:141-60, Jan 74
- Synkavit. Radiosensitizing agent in prostatic carcinoma. Halsall GM, et al. *Urology* 1:550-2, Jun 73

ANATOMY & HISTOLOGY

- The influence of overcrowding on spermatogenesis, size of Leydig-cell nuclei (histometrical investigation), and the adrenal corticosterone

- contents in mice. Gärtner K, et al.
Acta Endocrinol (Kbh) 74:783-91, Dec 73
- Immunochemical assay of follicle-stimulating and luteinizing hormone in the unconcentrated urine of sub- or infertile males. Mauss J, et al.
Acta Endocrinol (Kbh) 74:631-41, Dec 73
- Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. Harbitz TB.
Acta Pathol Microbiol Scand [A] 81:301-14, May 73
- Comparative observations on intertubular lymphatics and the organization of the interstitial tissue of the mammalian testis. Fawcett DW, et al.
Biol Reprod 9:500-32, Dec 73
- Effect of hypophysectomy on sex transformation in frog tadpoles. Hsü CY, et al.
Endocrinol Jap 20:391-5, Aug 73
- Sex-dependent changes in rat retinal hydroxyindole-O-methyl transferase. Nagle CA, et al.
Endocrinology 91:294-7, Jan 74
- Hyperthyroidism and gonadotropin secretion in male and female rats. Howland BE, et al.
Experientia 29:1398-9, 15 Nov 73
- Effects of blinding and pinealectomy on diurnal variations in plasma testosterone. Kinson GA, et al.
Experientia 29:1415-8, 15 Nov 73
- Inhibition of rat testicular monoamine oxidase activity after 250 R of whole-body x-irradiation. Urry RL, et al.
Experientia 29:1223-5, 15 Oct 73
- Changes in the sexual behaviour of male rhesus monkeys (*M. mulatta*) at puberty. Comparisons with the behaviour of adults. Michael RP, et al.
Folia Primatol (Basel) 19:384-403, May 73
- Testicular metamorphosis and prolongation of spermatogenesis in starlings (*Sturnus vulgaris*) in the absence of daily photostimulation. Rutledge JT, et al.
J Exp Zool 187:71-8, Jan 74
- Effects of cadmium on spermatogenesis studied by velocity sedimentation cell separation and serial mating. Lee IP, et al.
J Pharmacol Exp Ther 187:641-52, Dec 73
- Development of puberty in Nigerian and White Leghorn cockerels. Aire TA.
Poult Sci 52:1765-9, Sep 73
- Abnormal mating behavior and reproductive dysfunction caused by mercury in Japanese quail. Thaxton JP, et al.
Proc Soc Exp Biol Med 144:252-5, 1 Oct 73
- [The effect of elevated temperature and atmospheric radiation on the reproductive system of the male rat in the thermal tunnel of Böckstein (Austria) (author's transl)] Marberger E, et al.
Andrologie 5:139-46, 1973 (Eng. Abstr.) (Ger)
- [The normal and disturbed prepubertal development of the human testis] Städtler F.
 Veroeff *Morphol Pathol* 92:1-127, 1973 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

- Concentrations of cortisol and renin in the internal spermatic vein of men with varicocele. Lindholmer C, et al. *Andrologie* 5:21-2, 1973
- Permeability of Sertoli cell tight junctions to lanthanum after ligation of ductus deferens and ductuli efferentes. Neaves WB.
J Cell Biol 59:559-72, Dec 73
- Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. *J Clin Invest* 53:1-6, Jan 74
- Structural abnormalities in the undescended testis. Dickinson SJ. *J Pediatr Surg* 8:523-7, Aug 73
- Transport of 5 α -dihydrotestosterone by testicular lymph in the dog. Halmeyer GC, et al.
J Reprod Fertil 36:41-7, Jan 74
- Infarction of an abdominal undescended testis presenting as a calcified abdominal mass in a newborn. Cho SK, et al. *Radiology* 110:173-4, Jan 74
- Testicular blood flow in man measured with venous occlusion plethysmography and xenon-133. Pettersson S, et al. *Scand J Urol Nephrol* 7:115-9, 1973
- [Possibilities of the differential diagnosis of infertility with the LH-(ICSH)- and FSH-radioimmunoassay. Experimental studies (author's transl)] Altwain JE, et al. *Andrologie* 4:343-50, 1972 (Eng. Abstr.) (Ger)
- [Disturbances of the blood circulation of the testis epididymis system and relations to the male fertility (author's transl)] Hornstein OP.
Andrologie 5:119-25, 1973 (34 ref.) (Eng. Abstr.) (Ger)

TESTIS

- [Effect of gravitation stresses and hypokinesis on testicular blood vessels] Palazhchenko EF. Arkh Anat Gistol Embriol 64:57-63, May 73 (Eng. Abstr.) (Rus)

CYTOLOGY

- Separation of hamster testicular cells in successive stages of differentiation by velocity sedimentation in an isokinetic gradient of Ficoll in tissue culture medium. Pretlow TG 2d, et al. Am J Pathol 74:83-94, Jan 73
- Myoid cells in the capsule of the adrenal gland and in monolayers derived from cultured adrenal capsules. Bressler RS. Anat Rec 177:525-31, Dec 73
- Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in mitochondrial steroid hydroxylations. Baron J. Biochem Biophys Res Commun 54:764-9, 18 Sep 73
- The effect of gonadotropins on the mitochondrial adenylate cyclase of rat testis. Sullimovici S, et al. Biochem Biophys Res Commun 55:673-9, 10 Dec 73
- The enzymic incorporation of arachidonic acid into ether-containing choline and ethanolamine phosphoglycerides by deacylation-acylation reactions. Wykle RL, et al. Blochim Biophys Acta 326:26-33, 17 Oct 73
- Comparative observations on intertubular lymphatics and the organization of the interstitial tissue of the mammalian testis. Fawcett DW, et al. Biol Reprod 9:500-32, Dec 73
- Distribution of LDHX in mammals: presence in marsupials and absence in the monotremes platypus and echidna. Baldwin J, et al. Comp Biochem Physiol [B] 46:805-11, Dec 73
- The chromosomes of an egg-laying mammal Tachyglossus aculeatus (the echidna). Bick YA, et al. Cytobios 7:233-43, Jul-Aug 73
- Studies on the chromosomes of Indian Coleoptera. V. On the cytology of Hoplohrachium asperipenne Fairm. (Tenebrionidae: Amarygmidae), Epilachna septima Dieke (Coccinellidae: Epilachninae), and Caryedon gonagra (Fabr.) (Bruchidae: Bruchinae). Kacker RK. Cytologia (Tokyo) 38:535-8, Sep 73
- Localization of enzymes involved in testosterone biosynthesis by the mouse testis. Samuels LT, et al. Endocrinology 91:55-60, Jan 74
- A simple method of revealing some stages of spermiogenesis by means of staining with zinc iodide and osmic acid mixture. Pawlikowski M, et al. Endokrynol Pol 24:317-21, Jul-Aug 73
- Genetic differences in the structure of the mouse testes. Godowicz B. Folia Biol (Krakow) 21:361-77, 1973
- Nucleolar and perichromosomal RNA synthesis during meiotic prophase in the mouse testis. Kierszenbaum AL, et al. J Cell Biol 60:39-53, Jan 74
- Uptake of tritium-labeled adenosine triphosphate by the cytoplasm of fixed interstitial cells from rat testes. Darzynkiewicz Z, et al. J Histochem Cytochem 21:1035-40, Dec 73
- In vitro binding of retinol to rat-tissue components. Bashor MM, et al. Proc Natl Acad Sci USA 70:3483-7, Dec 73
- Radioautography of histologic sections of human testicular tissue. Chowdhury AK, et al. Stain Technol 48:305-9, Nov 73
- A method of fixing rat testis for light and electron microscopy. Dal Lago A, et al. Stain Technol 48:289-95, Nov 73
- The optimum age to correct cryptorchidism. Littimer JK, et al. Trans Am Assoc Genitourin Surg 65:108-12, 1973
- Quinacrine fluorescence of testicular tumors. Khudr G, et al. Urology 2:162-4, Aug 73
- [Mitotic and meiotic studies on 70 cases of male sterility (author's transl)] Laurent C, et al. Andrologie 5:193-200, 1973 (Eng. Abstr.) (Fre)
- [Quantitative examination of the normal prenatal development of gonocytes, Sertoli cells and Leydig cells in the testis of the mouse (author's transl)] Krause W. Andrologie 5:15-20, 1973 (Eng. Abstr.) (Ger)
- [The effect of elevated temperature and atmospheric radiation on the reproductive system of the male rat in the thermal tunnel of Bockstein (Austria) (author's transl)] Marberger E, et al. Andrologie 5:139-46, 1973 (Eng. Abstr.) (Ger)
- [Effects of cytostatics on spermatogenesis (author's

GONADS

- transl)] Meyhöfer W. Andrologie 5:107-8, 1973 (Eng. Abstr.) (Ger)
- [The normal and disturbed prepueral development of the human testis] Städtler F. Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abstr.) (Ger)
- [Morphological changes in dog testes during chronic and combined gamma-radiation] Plakhuta-Plakutina GI, et al. Kosm Biol Med 6:29-34, Nov-Dec 72 (Rus)

DRUG EFFECTS

- Sterility in experimental manganese toxicity. Chandra SV, et al. Acta Biol Med Ger 30:857-62, 1973
- In vitro biosynthesis of androgens in canine testes. Oh R, et al. Acta Endocrinol (Kbh) 74:615-24, Nov 73
- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parahoused golden hamsters. Selhel HR, et al. Acta Endocrinol (Kbh) 74:434-48, Nov 73
- Localization of a sheep pineal antigonadotropin. Ebels I, et al. Anal Biochem 56:546-65, Dec 73
- Effects of cadmium on protein composition of fluids in rat rete testis and seminiferous tubules. Koskimies AI. Ann Med Exp Biol Fenn 51:74-81, 1973
- The effect of gonadotropins on the mitochondrial adenylate cyclase of rat testis. Sullimovici S, et al. Biochem Biophys Res Commun 55:673-9, 10 Dec 73
- The enzymic incorporation of arachidonic acid into ether-containing choline and ethanolamine phosphoglycerides by deacylation-acylation reactions. Wykle RL, et al. Blochim Biophys Acta 326:26-33, 17 Oct 73
- The synergistic action of antifertility compounds in the male rat. Gilmore DP. Biol Reprod 9:544-8, Dec 73
- Effect of cyproterone and cyproterone acetate on testicular function in the rat: a karyometric study. Helnert G, et al. Endokrinologie 61:168-78, May 73
- Influence of endoxan on the rat testis. Miękiewicz K, et al. Folia Morphol (Warsz) 32:445-55, Oct 73
- Effect of testosterone on the histological structure of the testis of adult albino rats. Ahdi SH, et al. Indian J Med Res 61:1207-11, Aug 73
- Nephroproxy and orchloproxy using tissue adhesive. Kelami A, et al. Invest Urol 11:303-7, Jan 74
- Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. J Biol Chem 249:43-51, 10 Jan 74
- Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. J Clin Invest 53:1-6, Jan 74
- Effect of propylthiouracil-induced hypothyroidism on serum levels of luteinizing hormone and follicle-stimulating hormone in the rat. Baksi SN. J Endocrinol 59:655-6, Dec 73
- Pituitary and plasma gonadotrophin levels and spermatogenesis in the goldfish Carassius auratus after methallure treatment. Breton B, et al. J Endocrinol 59:415-20, Dec 73
- The effect of stilboestrol analogues on the metabolism of steroids by the testis and prostate of the rat in vitro. Danutra V, et al. J Endocrinol 59:539-44, Dec 73
- Uptake of tritium-labeled adenosine triphosphate by the cytoplasm of fixed interstitial cells from rat testes. Darzynkiewicz Z, et al. J Histochem Cytochem 21:1035-40, Dec 73
- Cycloalkanes. 3. Structure-activity relationships of hypocholesterolemic cyclooctanone derivatives. Carlson GL, et al. J Med Chem 17:154-7, Feb 74
- The sites of the spermicidal action of ethylene dihydride in hulls. Amir D. J Reprod Fertil 35:519-25, Dec 73
- Effects of estrogen and progestogen on the cardiovascular and endocrine systems of turkeys. Simpson CF. Poult Sci 52:1887-90, Sep 73
- Response of rabbit testicular capsular contractions to testosterone, prostaglandin E1, and isoproterenol in vitro and in vivo. Seeley RR, et al. Proc Soc Exp Biol Med 144:329-32, 1 Oct 73
- Abnormal mating behavior and reproductive dysfunction caused by mercury in Japanese quail. Thaxton JP, et al. Proc Soc Exp Biol Med 144:252-5, 1 Oct 73
- Direct action of chlormadinone acetate on the testosterone secretion by the dog testis in vivo. Patrilli de Lahorde N, et al. Steroids Lipids Res 4:113-8, Mar 73
- Testicular changes in mice after treatment with

GONADS

TESTIS

- mitomycin C. Léonard A, et al.
Toxicology 1:217-23, Sep 73
 [The influence of parachlorophenylalanine on testis and epididymis plasmalogenes of rats (author's transl)] Kindler J, et al.
Andrologie 4:299-308, 1972 (Eng. Abstr.) (Ger)
 [Testosterone secretion in men from childless marriages] Bönlisch S, et al.
Zentralbl Gynaekol 95:1025-39, 27 Jul 73 (Eng. Abstr.) (Ger)
 [Mechanism of the radiation-sensitizing action of beta-mercaptoethanol] Bogatyrev GP, et al.
Biol Nauki 115:54-6, 1973 (Rus)
 [Gonadal hormones in male hypogonadism] González Gancedo P, et al.
Rev Clin Esp 131:187-94, 15 Nov 73 (Eng. Abstr.) (Spa)

EMBRYOLOGY

- Male and female differentiation of the human gonad.
 Boczkowski K. *Clin Genet* 4:213-9, 1973
 Structural abnormalities in the undescended testis.
 Dickinson SJ. *J Pediatr Surg* 8:523-7, Aug 73
 [Steroid biosynthesis and secretion by the human testis] Vihko R. *Duodecim* 89:1188-95, 1973 (Fin)
 [Quantitative examination of the normal prenatal development of gonocytes, Sertoli cells and Leydig cells in the testis of the mouse (author's transl)] Krause W.
Andrologie 5:15-20, 1973 (Eng. Abstr.) (Ger)

ENZYMOLGY

- Sterility in experimental manganese toxicity. Chandra SV, et al. *Acta Biol Med Ger* 30:857-62, 1973
 In vitro biosynthesis of androgens in canine testes. Oh R, et al. *Acta Endocrinol (Kbh)* 74:615-24, Nov 73
 Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in mitochondrial steroid hydroxylations. Baron J.
Biochem Biophys Res Commun 54:764-9, 18 Sep 73
 The effect of gonadotropins on the mitochondrial adenylate cyclase of rat testis. Sulimovici S, et al.
Biochem Biophys Res Commun 55:673-9, 10 Dec 73
 The enzymic incorporation of arachidonic acid into ether-containing choline and ethanolamine phosphoglycerides by deacylation-acylation reactions. Wykle RL, et al.
Biochim Biophys Acta 326:26-33, 17 Oct 73
 Distribution of LDHX in mammals: presence in marsupials and absence in the monotremes platypus and echidna. Baldwin J, et al.
Comp Biochem Physiol [B] 46:805-11, Dec 73
 Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al.
Endocrinology 91:1-16, Jan 74
 Histochemical and hormonal aspects of testicular feminization. Tóth F, et al.
Endokrinologie 61:355-64, Jun 73
 Inhibition of rat testicular monoamine oxidase activity after 250 R of whole-body x-irradiation. Urry RL, et al.
Experientia 29:1223-5, 15 Oct 73
 Catalase activity in rat testicular preparations: distribution and changes in activity induced by hypophysectomy and x-irradiation. Buhrley LE, et al.
Fertil Steril 24:956-61, Dec 73
 Critical evaluation of methods for the histochemical demonstration of phosphorylase in the normal human testis. Re M, et al.
Folia Endocrinol (Roma) 26:308-20, Aug 73
 Effect of experimental cryptorchism on testis L-iditol: NAD oxidoreductase (sorbitol dehydrogenase or ketose-reductase). Germino NI, et al.
Histochemie 37:19-22, 3 Oct 73
 Hydrogen transfer from NADPH to steroid by testicular 20 alpha-hydroxysteroid dehydrogenase: stereospecificity and isotope effect. Hatano S, et al.
J Biochem (Tokyo) 74:1065-7, Nov 73
 Molecular basis for multiple forms of LDH-X. Goldberg E. *J Exp Zool* 186:273-8, Dec 73
 Letter: A crystalline form of testes-specific lactate dehydrogenase. Adams AD, et al.
J Mol Biol 78:721-2, 25 Aug 73
 Hyaluronic acid from the filularis nerve in a case of hypertrophic neuritis (type Ronnys Cornil). Braselmann H, et al. *J Neurochem* 21:1567-8, Dec 73
 The effect of collagenase-like peptidase from rat testis and clostridial collagenase A on the rat seminal

- vesicle secretion and its coagulation. Koren E, et al.
J Reprod Fertil 36:161-7, Jan 74
 [Steroid biosynthesis and secretion by the human testis] Vihko R. *Duodecim* 89:1188-95, 1973 (Fin)
 [On the presence of cholinergic nerve fibers in the walls of testicular tubules in primary hypogonadism (Klinefelter's syndrome, cryptorchism) (author's transl)] Usadel KH, et al.
Klin Wochenschr 51:1016-23, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Activity of hexokinase and dehydrogenases of the pentose phosphate pathway in sympathectomized rat testes] Fomina MP, et al.
Zh Evol Biokhim Fiziol 9:51-5, Jan-Feb 73 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

- The effect of gonadotropins on the mitochondrial adenylate cyclase of rat testis. Sulimovici S, et al.
Biochem Biophys Res Commun 55:673-9, 10 Dec 73
 Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al.
Endocrinology 91:1-16, Jan 74
 Progesterone metabolism in vitro by mouse testes at different stages of development. Tsujimura T, et al.
Endocrinology 91:288-90, Jan 74
 A simple method of revealing some stages of spermiogenesis by means of staining with zinc iodide and osmic acid mixture. Pawlikowski M, et al.
Endokrynol Pol 24:317-21, Jul-Aug 73
 Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. *J Biol Chem* 249:43-51, 10 Jan 74
 Genetic and physiologic control of fissioning and sexuality in planarians. Grasso M, et al.
J Embryol Exp Morphol 30:317-28, Oct 73
 Sex differentiation of the gonad of fry transplanted into the anterior chamber of the adult eye in the teleost, *Oryzias latipes*. Sato N.
J Embryol Exp Morphol 30:345-58, Oct 73
 Testicular metamorphosis and prolongation of spermatogenesis in starlings (*Sturnus vulgaris*) in the absence of daily photostimulation. Rutledge JT, et al.
J Exp Zool 187:71-6, Jan 74
 Proceedings: The development of fetal and infant guinea-pig gonadal tissue in adult hosts. Donovan BT, et al. *J Reprod Fertil* 35:582-3, Dec 73
 Development of puberty in Nigerian and White Leghorn cockerels. Aire TA.
Poult Sci 52:1765-9, Sep 73
 [The normal and disturbed prepuberal development of the human testis] Städtler F.
Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abstr.) (Ger)

IMMUNOLOGY

- Urinary proteins of the normal rat. Perassi R, et al.
Int J Pept Protein Res 5:1-6, 1973
 The antigenic pattern of the developing brain of the zebrafish, *Brachydanio rerio*. II. Brain specific antigens. Laale H, et al. *J Exp Zool* 186:257-68, Dec 73
 Effects of passive immunization on experimental syphilis in the rabbit. Turner TB, et al.
Johns Hopkins Med J 133:241-51, Nov 73
 Fine structural changes of allergic aspermatogenesis in the guinea pig. I. The similarity in the initial changes induced by passive transfer of anti-testis serum and by immunization with testicular tissue. Nagano T, et al.
Virchows Arch [Zellpathol] 14:223-35, 7 Dec 73
 Fine structural changes of allergic aspermatogenesis in the guinea pig. II. Induced by the homologous parotid gland as antigen. Nagano T, et al.
Virchows Arch [Zellpathol] 14:237-45, 7 Dec 73
 [Immunological barriers to fertility] Barrelet V.
Rev Med Suisse Romande 93:847-64, Nov 73 (Fre)
 [Pathogenesis of experimental autoimmune aspermatogenesis] Buze EG, et al.
Tsitologiya 15:195-200, Feb 73 (Rus)
 [Effect of large and small doses of antitesticular cytotoxic serum on the production of immune testiculocytotoxins] Nishchimenko OV.
Fiziol Zh 19:525-9, Jul-Aug 73 (Eng. Abstr.) (Ukr)

GONADS

TESTIS

INJURIES

- Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73
- Contralateral epididymo-orchitis after cryo-injury to the male rabbit gonad. Zappi E, et al. *Immunology* 25:891-903, Nov 73
- Early histological changes in experimental contralateral epididymo-orchitis in the rabbit. Zappi E, et al. *J Reprod Fertil* 36:23-8, Jan 74
- Nonpenetrating testicular rupture. Talarico RD, et al. *Urology* 1:365-7, Apr 73
- [Autoimmune reactions to spermatozoa in cases of genital trauma and obstructive azoospermia. Spermagglutinins and autoantibodies identified by the indirect immunofluorescent technique (author's transl)] Haensch R. *Andrologie* 5:147-52, 1973 (Eng. Abstr.) (Ger)
- [Fertility and trauma (author's transl)] Niermann H, et al. *Andrologie* 5:163-7, 1973 (Eng. Abstr.) (Ger)
- [Studies of testicular hiospales in andrological patients with orchitis, epididymitis and traumatic testicular damages in the anamnesis (author's transl)] Schirren C, et al. *Andrologie* 4:327-42, 1972 (Eng. Abstr.) (Ger)
- [Clinical picture and pathogenesis of the obstructive azoospermia] Petres J, et al. *Z Hautkr* 48:801-7, 1 Oct 73 (61 ref.) (Ger)

INNERVATION

- [On the presence of cholinergic nerve fibers in the walls of testicular tubules in primary hypogonadism (Klinefelter's syndrome, cryptorchism) (author's transl)] Usadel KH, et al. *Klin Wochenschr* 51:1016-23, 15 Oct 73 (Eng. Abstr.) (Ger)
- [Activity of hexokinase and dehydrogenases of the pentose phosphate pathway in sympathectomized rat testes] Fomina MP, et al. *Zh Evol Biokhim Fiziol* 9:51-5, Jan-Feb 73 (Eng. Abstr.) (Rus)

METABOLISM

- Detection of (3H)5 alpha-androstane-3 alpha,17 beta-diol and 3H17 beta hydroxy-5 alpha-androstan-3-one in mouse testes following administration of (3H) testosterone. Kasai H, et al. *Acta Endocrinol (Kbh)* 74:177-85, Sep 73
- In vitro hiosynthesis of androgens in canine testes. Oh R, et al. *Acta Endocrinol (Kbh)* 74:815-24, Nov 73
- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol (Kbh)* 74:642-58, Dec 73
- Effects of cadmium on protein composition of fluids in rat rete testis and seminiferous tubules. Koskimies AI. *Ann Med Exp Biol Fenn* 51:74-81, 1973
- FSH content of the anterior pituitary and the incorporation of L-lysine-U-14C into testicular proteins of heat-acclimatized rats. Sod-Moriah UA, et al. *Comp Biochem Physiol [A]* 47:333-9, Jan 74
- Cholesterol sulfate: some aspects of its hiosynthesis and uptake by tissues from blood. Hochberg RB, et al. *Endocrinology* 91:207-13, Jan 74
- Localization of enzymes involved in testosterone hiosynthesis by the mouse testis. Samuels LT, et al. *Endocrinology* 91:55-60, Jan 74
- Progesterone metabolism in vitro by mouse testes at different stages of development. Tsujimura T, et al. *Endocrinology* 91:288-90, Jan 74
- Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. *J Biol Chem* 249:43-51, 10 Jan 74
- Nucleolar and perichromosomal RNA synthesis during meiotic prophase in the mouse testis. Kierszenbaum AL, et al. *J Cell Biol* 60:39-53, Jan 74
- Testosterone formation and metabolism during male sexual differentiation in the human embryo. Silfver PK, et al. *J Clin Endocrinol Metab* 38:113-25, Jan 74
- Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. *J Clin Invest* 53:1-6, Jan 74
- The effect of stilboestrol analogues on the metabolism of steroids by the testis and prostate of the rat in vitro. Danutra V, et al. *J Endocrinol* 59:539-44, Dec 73
- Steroid metabolism in vitro by an interstitial cell

- tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73
- Uptake of tritium-labeled adenosine triphosphate by the cytoplasm of fixed interstitial cells from rat testes. Darzynkiewicz Z, et al. *J Histochem Cytochem* 21:1035-40, Dec 73
- Proceedings: The action of alpha-chlorohydrin (3-chloro-propane 1,2-diol) on the metabolism of glycerol in male rats. Edwards EM, et al. *J Reprod Fertil* 35:589-90, Dec 73
- Transport of 5alpha-dihydrotestosterone by testicular lymph in the dog. Halmeyer GC, et al. *J Reprod Fertil* 36:41-7, Jan 74
- Proceedings: Studies on some effects of temperature on the blood-testis barrier in rats. Main SJ, et al. *J Reprod Fertil* 35:587-8, Dec 73
- Age-dependent differences in the binding of (131-I) LH by rat testis homogenates. Sharpe RM, et al. *J Reprod Fertil* 35:529-32, Dec 73
- The effect of inhibition of cytidine deaminase by tetrahydrouridine on the utilization of deoxycytidine and 5-hromodeoxycytidine for deoxyribonucleic acid synthesis. Cooper GM, et al. *Mol Pharmacol* 9:698-703, Nov 73
- FSH stimulation of testicular androgen binding protein. Hansson V, et al. *Nature [New Biol]* 246:56-8, 14 Nov 73
- In vitro binding of retinol to rat-tissue components. Bashor MM, et al. *Proc Natl Acad Sci USA* 70:3483-7, Dec 73
- Plumblism: adaptive changes in hepatic and renal metabolism. Singhal RL, et al. *Res Commun Chem Pathol Pharmacol* 6:951-62, Nov 73
- [Steroid hiosynthesis and secretion by the human testis] Vihko R. *Duodecim* 89:1188-95, 1973 (Fin)
- [Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (Coturnix coturnix japonica) in organ culture] Guichard A, et al. *Gen Comp Endocrinol* 21:478-84, Dec 73 (Eng. Abstr.) (Fre)
- [The influence of parachlorophenylalanine on testis and epididymis plasmalogens of rats (author's transl)] Kindler J, et al. *Andrologie* 4:299-308, 1972 (Eng. Abstr.) (Ger)

MICROBIOLOGY

- Besnoitia hennettii in two Mexican hurros. Terrell TG, et al. *Vet Pathol* 10:177-84, 1973

PATHOLOGY

- Sterility in experimental manganese toxicity. Chandra SV, et al. *Acta Biol Med Ger* 30:857-62, 1973
- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parhoused golden hamsters. Seihel HR, et al. *Acta Endocrinol (Kbh)* 74:434-48, Nov 73
- Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. Harhitz TB. *Acta Pathol Microbiol Scand [A]* 81:301-14, May 73
- Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al. *Acta Pathol Microbiol Scand [A]* 81:352-8, May 73
- A study on morphological changes in the testes of old albino rats. Lützen L, et al. *Beltr Pathol* 149:377-85, Sep 73
- Proceedings: Diagnosis, staging, and natural history of testicular tumors. Borski AA. *Cancer* 32:1202-5, Nov 73
- Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73
- Two male sils with uterus and Fallopiian tubes. A rare, probably inherited disorder. Armendares S, et al. *Clin Genet* 4:291-6, 1973
- Concurrence of myotonic dystrophy and XXY Klinefelter syndrome. Sparkes RS, et al. *Clin Genet* 4:264-9, 1973
- Histochemical and hormonal aspects of testicular feminization. Tóth F, et al. *Endokrinologie* 61:355-64, Jun 73
- Reinke's crystals-1 at damaged germinal epithelium. Posinovec J, et al. *Experientia* 29:1378, 15 Nov 73
- Development of late pathomorphological changes in the testes after irradiation of newborn mice with sublethal doses of X-rays. Chomiczewski K. *Folia Biol (Krakow)* 21:279-87, 1973
- Genetic differences in the structure of the mouse

- testes. Godowicz B.
Folia Biol (Krakow) 21:361-77, 1973
- Influence of endoxan on the rat testis. Miętkiewski K, et al. Folia Morphol (Warsz) 32:445-55, Oct 73
- Contralateral epididymo-orchitis after cryo-injury to the male rabbit gonad. Zappi E, et al. Immunology 25:891-903, Nov 73
- Effect of testosterone on the histological structure of the testis of adult albino rats. Abdi SH, et al. Indian J Med Res 61:1207-11, Aug 73
- Nephropexy and orchioepexy using tissue adhesive. Keldami A, et al. Invest Urol 11:303-7, Jan 74
- Permeability of Sertoli cell tight junctions to lanthanum after ligation of ductus deferens and ductuli efferentes. Neaves WB. J Cell Biol 59:559-72, Dec 73
- Experimental allergic orchitis induced with incomplete adjuvant in guinea-pigs suspected of a nutritional deficiency. Brown PC, et al. J Pathol 111:77-83, Oct 73
- Structural abnormalities in the undescended testis. Dickinson SJ. J Pediatr Surg 8:523-7, Aug 73
- The sites of the spermicidal action of ethylene dibromide in bulls. Amir D. J Reprod Fertil 35:519-25, Dec 73
- Human spermatids and spermatozoa lacking acrosomes. Holstein AF, et al. J Reprod Fertil 35:489-91, Dec 73
- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrlove JL, et al. J Urol 110:710-3, Dec 73
- Proceedings: Germinal testis tumors in adults. Whitmore WF Jr.
Proc Natl Cancer Conf 7:793-801, 1973 (85 ref.)
- Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al. Tohoku J Exp Med 110:347-57, Aug 73
- Testicular changes in mice after treatment with mitomycin C. Léonard A, et al. Toxicology 1:217-23, Sep 73
- Brucellosis in bulls. McCaughey WJ, et al. Vet Rec 93:336-7, 22 Sep 73
- Fine structural changes of allergic aspermatogenesis in the guinea pig. II. Induced by the homologous parotid gland as antigen. Nagano T, et al. Virchows Arch [Zellpathol] 14:237-45, 7 Dec 73
- [Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)
- [The effect of high dosage vitamin A treatment on the germinal epithelium of the rat (author's transl)] Gasser G, et al. Andrologie 5:113-7, 1973 (Eng. Abstr.) (Ger)
- [Disturbances of the blood circulation of the testis epididymis system and relations to the male fertility (author's transl)] Hornstein OP. Andrologie 5:119-25, 1973 (34 ref.) (Eng. Abstr.) (Ger)
- [Studies of testicular hypoplasia in andrological patients with orchitis, epididymitis and traumatic testicular damages in the anamnesis (author's transl)] Schirren C, et al. Andrologie 4:327-42, 1972 (Eng. Abstr.) (Ger)
- [Immunohistological findings on the testis in granulomatous orchitis] Krüger R, et al. Dtsch Med Wochenschr 98:2215-6, 16 Nov 73 (Ger)
- [Histological investigations of cryptorchidism (author's transl)] Brandesky G, et al. Monatsschr Kinderheilkd 121:611-3, Oct 73 (Eng. Abstr.) (Ger)
- [The normal and disturbed prepuberal development of the human testis] Städtler F. Veroeff Morphol Pathol 92:1-127, 1973 (Eng. Abstr.) (Ger)
- [Clinical picture and pathogenesis of the obstructive azoospermia] Petres J, et al. Z Hautkr 48:801-7, 1 Oct 73 (61 ref.) (Ger)
- [Effect of gravitation stresses and hypokinesia on testicular blood vessels] Palazhchenko EF. Arkh Anat Gistol Embriol 64:57-63, May 73 (Eng. Abstr.) (Rus)
- parabiosed golden hamsters. Seibel HR, et al. Acta Endocrinol (Kbh) 74:434-48, Nov 73
- Thermographic recording of the reaction of normal and varicocele scrotum to increased temperature. Kormano M, et al. Andrologie 5:201-5, 1973
- Metabolic studies of purine metabolism in the pig during the oral administration of guanine and allopurinol. Simmonds HA, et al. Biochem Pharmacol 22:2537-51, 15 Oct 73
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al. Brain Res 60:393-410, 12 Oct 73
- Male and female sexual responses in male rats given estradiol benzoate and 5 alpha-androstan-17 beta-ol-3-one propionate. Feder HH, et al. Endocrinology 91:136-41, Jan 74
- Degeneration and regeneration of neurosecretory systems. Dellmann HD. Int Rev Cytol 36:215-315, 1973 (153 ref.)
- Permeability of Sertoli cell tight junctions to lanthanum after ligation of ductus deferens and ductuli efferentes. Neaves WB. J Cell Biol 59:559-72, Dec 73
- Testicular metamorphosis and prolongation of spermatogenesis in starlings (*Sturnus vulgaris*) in the absence of daily photostimulation. Rutledge JT, et al. J Exp Zool 187:71-6, Jan 74
- The hypothalamic-pituitary-testicular function of the old rat. Peng MT, et al. J Formosan Med Assoc 72:495-502, Sep 73
- Androgenic regulation of plasma prostaglandin F levels in the rat. Barcikowski B, et al. J Reprod Fertil 35:549-51, Dec 73
- Proceedings: The effect of castration on the epididymal epithelium of the golden hamster, *Mesocricetus auratus*. Suzuki F, et al. J Reprod Fertil 35:584-5, Dec 73
- Effects of castration, hindling, and the pineal gland on the Harderian glands of the male golden hamster. Clahough JW, et al. Neuroendocrinology 12:344-53, 1973
- Criticism about the use of muscles provided with a testosterone-binding protein to evaluate the mitogenic activity of androgens. Bergamini E. Steroids Lipids Res 4:119-21, Mar 73
- Inhibition by castration of aflatoxin-induced hepatoma in carbon tetrachloride-treated rats. Cardellha PT, et al. Toxicol Appl Pharmacol 26:393-7, Nov 73
- Ultrastructure of STH cells of the pars distalis of castrated male mice after hepatectomy. Echave Llanos JM, et al. Z Zellforsch Mikrosk Anat 144:31-5, 30 Oct 73
- [Possibilities of the differential diagnosis of infertility with the LH-(ICSH)-and FSH-radiolimmunoassay. Experimental studies (author's transl)] Altwein JE, et al. Andrologie 4:343-50, 1972 (Eng. Abstr.) (Ger)
- [The effect of elevated temperature and atmospheric radiation on the reproductive system of the male rat in the thermal tunnel of Bockstein (Austria) (author's transl)] Marberger E, et al. Andrologie 5:139-46, 1973 (Eng. Abstr.) (Ger)
- [Testosterone secretion in men from childless marriages] Bönlisch S, et al. Zentralbl Gynaekol 95:1025-39, 27 Jul 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Thermographic recording of the reaction of normal and varicocele scrotum to increased temperature. Kormano M, et al. Andrologie 5:201-5, 1973
- Autolimmune hypospermatogenesis in vasectomized guinea pigs. Alexander NJ. Contraception 8:147-64, Aug 73
- Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al. Tohoku J Exp Med 110:347-57, Aug 73
- [Relations between thermogram of the testis and the spermatogram (author's transl)] Gasser G, et al. Andrologie 5:127-31, 1973 (Eng. Abstr.) (Ger)

RADIATION EFFECTS

- Radiopathology of external irradiation. Betz E. Curr Top Radlat Res 9:30-4, Oct 73
- Inhibition of rat testicular monoamine oxidase activity after 250 R of whole-body x-irradiation. Urry RL, et al. Experientia 29:1223-5, 15 Oct 73
- Catalase activity in rat testicular preparations:

PHYSIOLOGY

- Effects of steroid suppression and gonadectomy on adrenal 5alpha-reductase activity and corticosterone production in rats. Colby HD, et al. Acta Endocrinol (Kbh) 74:568-75, Nov 73
- The ultrastructure of the accessory sex organs of the male rat. 4. Effect of testosterone. Dahl E, et al. Acta Endocrinol (Kbh) 74:805-14, Nov 73
- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and

TESTIS

GONADS

- distribution and changes in activity induced by hypophysectomy and x-irradiation. Buhley LE, et al. *Fertil Steril* 24:956-61, Dec 73
- Development of late pathomorphological changes in the testes after irradiation of newborn mice with sublethal doses of X-rays. Chomiczewski K. *Folia Biol (Krakow)* 21:279-87, 1973
- [The effect of elevated temperature and atmospheric radiation on the reproductive system of the male rat in the thermal tunnel of Böckstein (Austria) (author's transl)] Marherger E, et al. *Andrologie* 5:139-46, 1973 (Eng. Abstr.) (Ger)
- [Morphological changes in dog testes during chronic and combined gamma-radiation] Plakhuta-Plakutina GI, et al. *Kosm Biol Med* 6:29-34, Nov-Dec 72 (Rus)

SECRETION

- The influence of overcrowding on spermatogenesis, size of Leydig-cell nuclei (histometrical investigation), and the adrenal corticosterone contents in mice. Gärtner K, et al. *Acta Endocrinol (Kbh)* 74:783-91, Dec 73
- Permeability of Sertoli cell tight junctions to lanthanum after ligation of ductus deferens and ductuli efferentes. Neaves WB. *J Cell Biol* 59:559-72, Dec 73
- Direct action of chlormadinone acetate on the testosterone secretion by the dog testis in vivo. Patrilti de Lahorde N, et al. *Steroids Lipids Res* 4:113-8, Mar 73

SURGERY

- Incomplete testicular feminization syndrome with puberal virilization. Himathongkam T, et al. *Am J Obstet Gynecol* 118:288-90, 15 Jan 74
- Carcinoma of the prostate. Ahrcrombie GF. *Ann R Coll Surg Engl* 54:16-21, Jan 74
- Proceedings: Surgical treatment of non-seminomatous germinal testes tumors. Staubitz WJ, et al. *Cancer* 32:1206-11, Nov 73
- Endometrial (papillary) carcinoma of the prostatic utricle--response to orchiectomy. A case report. Young BW, et al. *Cancer* 32:1293-300, Dec 73
- Plasma testosterone and androstenedione after orchiectomy in prostatic adenocarcinoma. Sclarra F, et al. *Clin Endocrinol (Oxf)* 2:101-9, Apr 73
- Nephropexy and orchidopexy using tissue adhesive. Kelámi A, et al. *Invest Urol* 11:303-7, Jan 74
- Proceedings: Germinal testis tumors in adults. Whitmore WF Jr. *Proc Natl Cancer Conf* 7:793-801, 1973 (85 ref.)
- Surgical management of testis tumor. Staubitz WJ, et al. *Trans Am Assoc Genitourin Surg* 65:113-20, 1973
- Orchidopexy using a Dartos pouch. Brown S. *Ulster Med J* 42:192-4, 1973
- Metastatic colonic carcinoma to epididymis. Burger R, et al. *Urology* 2:566-7, Nov 73
- Prostatic carcinoma metastasizing to skin and subcutaneous tissues. Dellma A, et al. *Urology* 2:663-5, Dec 73
- A square bladder. Summers JL, et al. *Urology* 2:681-2, Dec 73

TRANSPLANTATION

- Proceedings: The development of fetal and infant guinea-pig gonadal tissue in adult hosts. Donovan BT, et al. *J Reprod Fertil* 35:582-3, Dec 73

GONADS

11. Disorders of the Gonads

ARRHENOBLASTOMA

BLOOD

The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Rhamy RK, et al. Steroids 22:719-29, Nov 73

METABOLISM

The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Rhamy RK, et al. Steroids 22:719-29, Nov 73

PATHOLOGY

[Androblastomas of the ovaries induced by penetrating radiation] Gubareva AV. Arkh Patol 34:17-21, 1972 (Eng. Abstr.) (Rus)

BONNEVIE-ULLRICH SYNDROME

COMPLICATIONS

The Ullrich-Noonan syndrome (Turner phenotype). Nora JJ, et al. Am J Dis Child 127:48-55, Jan 74

FAMILIAL & GENETIC

[45,X syndrome and pterygium colli] Boué J, et al. Ann Genet (Paris) 16:219-20, Sep 73 (Eng. Abstr.) (Fre)

BRENNER TUMOR

PATHOLOGY

[Histochemical studies on Brenner tumors. (The histogenetic relations between Brenner tumor and mucinous cystadenoma)] Ruckhäberle KE, et al. Zentralbl Gynaekol 95:1148-54, 17 Aug 73 (Eng. Abstr.) (Ger)

CORPUS LUTEUM CYST

BLOOD

Tubal amylase. Hochberg CJ. Obstet Gynecol 43:129-31, Jan 74

DIAGNOSIS

Tubal amylase. Hochberg CJ. Obstet Gynecol 43:129-31, Jan 74

ENZYMOLGY

Tubal amylase. Hochberg CJ. Obstet Gynecol 43:129-31, Jan 74

CRYPTORCHISM

Structural abnormalities in the undescended testis. Dickinson SJ. J Pediatr Surg 8:523-7, Aug 73

BLOOD

[Unilateral cryptorchism: a spermiologic, endocrinologic and cytogenetic study of 216 adult males (author's transl)] Raboch J, et al. Andrologie 5:153-8, 1973 (Eng. Abstr.) (Ger)

COMPLICATIONS

Translation. XO-XY mosaics: six case studies. Giraud F, et al. Arch Sex Behav 2:83-8, Jun 72

Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. Cancer 32:1186-201, Nov 73
Failure to thrive, vomiting, and undescended testes in a two-month-old boy. Zlal M, et al. Clin Pediatr (Phila) 12:31A, Nov 73
Anesthetic-induced malignant hyperpyrexia in children. King JO, et al. J Pediatr 83:37-40, Jul 73
Salt losing nephritis in the prune belly syndrome. McReynolds EW, et al. J Tenn Med Assoc 66:1045-7, Nov 73
The optimum time to operate for cryptorchidism. Lattimer JK, et al. Pediatrics 53:96-9, Jan 74
Infarction of an abdominal undescended testis presenting as a calcified abdominal mass in a newborn. Cho SK, et al. Radiology 110:173-4, Jan 74
Posterior para-urethral diverticulum. Case report. Zetterlund CG, et al. Scand J Urol Nephrol 7:228-32, 1973
Bladder exstrophy: vesicoplasty or urinary diversion? Engel RM. Urology 2:20-4, Jul 73
Urogenital anomalies and congenital rubella syndrome. Kaplan GW, et al. Urology 2:148-52, Aug 73
Single ectopic ureter in the male. Keeton JE, et al. Urology 2:53-6, Jul 73
[The husband's share in a sterile marriage] Kohoutek M, et al. Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 15:Suppl 2:177-83, Feb 73 (Eng. Abstr.) (Cze)
[Fertility and trauma (author's transl)] Niermann H, et al. Andrologie 5:163-7, 1973 (Eng. Abstr.) (Ger)
[Unilateral cryptorchism: a spermiologic, endocrinologic and cytogenetic study of 216 adult males (author's transl)] Raboch J, et al. Andrologie 5:153-8, 1973 (Eng. Abstr.) (Ger)

DIAGNOSIS

[Unilateral cryptorchism: a spermiologic, endocrinologic and cytogenetic study of 216 adult males (author's transl)] Raboch J, et al. Andrologie 5:153-8, 1973 (Eng. Abstr.) (Ger)
[Letter: Cryptorchism in adults] Hienz HA. Dtsch Med Wochenschr 98:2318, 30 Nov 73 (Ger)
[Diseases of the gonads in childhood (author's transl)] Knorr D. Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

DRUG THERAPY

[Histological investigations of cryptorchidism (author's transl)] Brandesky G, et al. Monatsschr Kinderheilkd 121:611-3, Oct 73 (Eng. Abstr.) (Ger)
[Preliminary report on clinical, biochemical, and anatomical investigations of boys with undescended testes (author's transl)] Jendricke K, et al. Monatsschr Kinderheilkd 121:634-5, Oct 73 (Eng. Abstr.) (Ger)

ENZYMOLGY

Effect of experimental cryptorchism on testis L-iditol: NAD oxidoreductase (sorbitol dehydrogenase or ketose-reductase). Germino NI, et al. Histochemie 37:19-22, 3 Oct 73

ETIOLOGY

Chromosomal abnormalities in undescended testes. Mininberg DT, et al. Urology 1:98-101, Feb 73
[Histological investigations of cryptorchidism (author's transl)] Brandesky G, et al. Monatsschr Kinderheilkd 121:611-3, Oct 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Two male sibs with uterus and Falloplan tubes. A rare,

CRYPTORCHISM

- probably inherited disorder. Armendares S, et al. *Clin Genet* 4:291-6, 1973
- The Noonan syndrome--a review of the clinical and genetic features of 27 cases. Collins E, et al. *J Pediatr* 83:941-50, Dec 73
- Chromosomal abnormalities in undescended testes. Mininberg DT, et al. *Urology* 1:98-101, Feb 73
- [Unilateral cryptorchism: a spermologic, endocrinologic and cytogenetic study of 216 adult males (author's transl)] Raboch J, et al. *Andrologie* 5:153-8, 1973 (Eng. Abstr.) (Ger)

METABOLISM

- Carnitine and glycerylphosphorylcholine in the reproductive tract of the male rat. Brooks DE, et al. *J Reprod Fertil* 36:141-60, Jan 74

OCCURRENCE

- Effeminate behavior in boys. Parental age and other factors. Zuger B. *Arch Gen Psychiatry* 30:173-7, Feb 74

PATHOLOGY

- An electron microscope study of the delayed effects on rabbit spermatogenesis following experimental cryptorchidism for twenty-four hours. Plöen L. *Virchows Arch [Zellpathol]* 14:159-84, 28 Nov 73
- A light microscope study of the immediate and delayed effects on rabbit spermatogenesis following experimental cryptorchidism for twenty-four hours. Plöen L. *Virchows Arch [Zellpathol]* 14:185-96, 28 Nov 73
- [On the presence of cholinergic nerve fibers in the walls of testicular tubules in primary hypogonadism (Klinefelter's syndrome, cryptorchism) (author's transl)] Usadel KH, et al. *Klin Wochenschr* 51:1016-23, 15 Oct 73 (Eng. Abstr.) (Ger)
- [Histological investigations of cryptorchidism (author's transl)] Brandesky G, et al. *Monatsschr Kinderheilkd* 121:611-3, Oct 73 (Eng. Abstr.) (Ger)
- [The normal and disturbed prepubertal development of the human testis] Städtler F. *Veroeff Morphol Pathol* 92:1-127, 1973 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders. Lee PA. *Clin Endocrinol (Oxf)* 2:255-64, Jul 73
- [A new method for studying influences of oecology on spermatogenesis in the rat (author's transl)] Mauss J. *Andrologie* 5:159-62, 1973 (Eng. Abstr.) (Ger)

RADIOGRAPHY

- Torsion of an intraabdominal testicle in a neonate. Arkin R, et al. *J Pediatr Surg* 8:551-2, Aug 73
- Infarction of an abdominal undescended testis presenting as a calcified abdominal mass in a newborn. Cho SK, et al. *Radiology* 110:173-4, Jan 74

SURGERY

- Structural abnormalities in the undescended testis. Dickinson SJ. *J Pediatr Surg* 8:523-7, Aug 73
- The optimum time to operate for cryptorchidism. Lattimer JK, et al. *Pediatrics* 53:96-9, Jan 74
- Posterior para-urethral diverticulum. Case report. Zetterlund CG, et al. *Scand J Urol Nephrol* 7:228-32, 1973
- The optimum age to correct cryptorchidism. Lattimer JK, et al. *Trans Am Assoc Genitourin Surg* 65:108-12, 1973
- Orchiopexy using a Dartos pouch. Brown S. *Ulster Med J* 42:192-4, 1973
- [Letter: Unilateral maldescensus testis] Hecker WC. *Dtsch Med Wochenschr* 98:2261, 23 Nov 73 (Ger)
- [Letter: Cryptorchism in adults] Hienz HA. *Dtsch Med Wochenschr* 98:2318, 30 Nov 73 (Ger)
- [Histological investigations of cryptorchidism (author's transl)] Brandesky G, et al. *Monatsschr Kinderheilkd* 121:611-3, Oct 73 (Eng. Abstr.) (Ger)

GONADS

- [Results of treatment of cryptorchism in children] Klinberg NA, et al. *Klin Khir* 6:54-6, Jun 73 (Rus)

THERAPY

- [Diseases of the gonads in childhood (author's transl)] Knorr D. *Monatsschr Kinderheilkd* 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

DISGERMINOMA

- [Malignant testicular tumors] Seljelld R, et al. *Tidsskr Nor Laegeforen* 93:1945-8, 20 Sep 73 (Nor)

COMPLICATIONS

- Intrauterine insemination of husband's semen. Barwin BN. *J Reprod Fertil* 36:101-6, Jan 74
- Gonadoblastoma associated with embryonal carcinoma. Talerman A. *Obstet Gynecol* 43:138-42, Jan 74

DRUG THERAPY

- Malignant ovarian tumors in children. Eln SH. *J Pediatr Surg* 8:539-42, Aug 73
- [Results with the cytostatic agent bleomycin in tumour therapy (author's transl)] Baumgartner G. *Wien Klin Wochenschr* 85:886-92, 19 Oct 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

- Quinacrine fluorescence of testicular tumors. Khudr G, et al. *Urology* 2:162-4, Aug 73
- [Chromosomal variability and carcinogenesis] Pogoslants EE. *Vestn Akad Med Nauk SSSR* 28:49-54, 1973 (Eng. Abstr.) (Rus)

IMMUNOLOGY

- Immunologic features of genitourinary cancer. Javadpour N. *Urology* 2:103-8, Aug 73 (49 ref.)

PATHOLOGY

- Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73
- The ultrastructure of gonadoblastoma and dysgerminoma. Hou-Jensen K, et al. *Hum Pathol* 5:79-91, Jan 74
- The ultrastructure of "pinealoma". (Seminoma-like tumor of the pineal region). Cravioto H, et al. *J Neuropathol Exp Neurol* 32:552-65, Oct 73
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974. *N Engl J Med* 290:98-102, 10 Jan 74
- Gonadoblastoma associated with embryonal carcinoma. Talerman A. *Obstet Gynecol* 43:138-42, Jan 74

RADIOGRAPHY

- Funicular and pedal lymphography in testicular tumours. Hultén L, et al. *Acta Chir Scand* 139:746-58, 1973
- Endoscopic pancreatocholangiography with special reference to manometric method. Kasugal T, et al. *Med J Aust* 2:717-25, 13 Oct 73
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974. *N Engl J Med* 290:98-102, 10 Jan 74

RADIOTHERAPY

- Depression of lymphocyte replicating ability in radiotherapy patients. Chee CA, et al. *Br J Radiol* 47:37-43, Jan 74
- Proceedings: Radiation therapy in malignant testis tumors. I: Seminoma; II: Carcinoma. Maier JG, et al. *Cancer* 32:1212-6, Nov 73
- Medical and industrial exposure in relation to genetic risk. Oftedal P. *Curr Top Radiat Res* 9:66-71, Oct 73
- Malignant ovarian tumors in children. Eln SH. *J Pediatr Surg* 8:539-42, Aug 73
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974. *N Engl J Med* 290:98-102, 10 Jan 74
- Proceedings: Germinal testis tumors in adults.

GONADS

HERMAPHRODITISM

Whitmore WF Jr.
Proc Natl Cancer Conf 7:793-801, 1973 (85 ref.)
Identification of a favourable group of teratomas.
Chapman RH, et al. Proc R Soc Med 66:1045-7, Oct 73

SURGERY

Proceedings: Radiation therapy in malignant testis tumors. I: Seminoma; II: Carcinoma. Maler JG, et al. Cancer 32:1212-6, Nov 73
Operative and cytostatic treatment of germinal tumours of the testis. Vahlensleek W, et al. Int Urol Nephrol 5:85-95, Jan 73
Malignant ovarian tumors in children. Eln SH. J Pediatr Surg 8:539-42, Aug 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974. N Engl J Med 290:98-102, 10 Jan 74
Gonadoblastoma associated with embryonal carcinoma. Talerman A. Obstet Gynecol 43:138-42, Jan 74
Proceedings: Germinal testis tumors in adults. Whitmore WF Jr.
Proc Natl Cancer Conf 7:793-801, 1973 (85 ref.)
Surgical management of testis tumor. Staubitz WJ, et al. Trans Am Assoc Genitourin Surg 65:113-20, 1973

THERAPY

Operative and cytostatic treatment of germinal tumours of the testis. Vahlensleek W, et al. Int Urol Nephrol 5:85-95, Jan 73

VETERINARY

Testicular neoplasms and concomitant clinical changes in the dog. Lipowitz AJ, et al. J Am Vet Med Assoc 163:1364-8, 15 Dec 73

EUNUCHISM

DIAGNOSIS

[Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)
[The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al. Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)

METABOLISM

[Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)

URINE

[Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)

GONADS

ABNORMALITIES

Familial 78XX male pseudohermaphroditism in three dogs. Hare WC, et al. J Reprod Fertil 36:207-10, Jan 74

GRANULOSA CELL TUMOR

DRUG THERAPY

Malignant ovarian tumors in children. Eln SH. J Pediatr Surg 8:539-42, Aug 73

PATHOLOGY

Multiple sebaceous neoplasms of the skin: an association with multiple visceral carcinomas, especially of the colon. Rulon DB, et al. Am J Clin Pathol 60:745-52, Dec 73
Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology,

histology, and ultrastructure. Bjersing L, et al. Cancer 32:1360-9, Dec 73

PHYSIOPATHOLOGY

Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology, histology, and ultrastructure. Bjersing L, et al. Cancer 32:1360-9, Dec 73

RADIOTHERAPY

Malignant ovarian tumors in children. Eln SH. J Pediatr Surg 8:539-42, Aug 73

SURGERY

Malignant ovarian tumors in children. Eln SH. J Pediatr Surg 8:539-42, Aug 73

GYNANDROBLASTOMA

RADIOGRAPHY

[Gynecography in gonadal dysgenesis for assessment of pelvic organs with reference to gonadal neoplasms] Haertel M, et al. Helv Paediatr Acta 28:283-90, Oct 73 (Eng. Abstr.) (Ger)

HERMAPHRODITISM

XO karyotype in a phenotypic male. Bhatia P, et al. Humangenetik 19:337-40, 20 Sep 73
[The Virgo Barbata Dresdensis and other instances of representation of hirsutism in the graphic arts] Scholz A, et al. Dermatol Monatsschr 159:673-84, Jul 73 (Ger)

COMPLICATIONS

[17 Alpha-hydroxylase deficiency] Maeda R, et al. Jap J Clin Med 31:2518-23, 10 Aug 73 (Jap)

DIAGNOSIS

[Endoscopic and contrast examinations of intersexes in childhood] Stefan H. Cesk Pediatr 28:652-5, Dec 73 (Cze)

ETIOLOGY

[Diseases of the gonads in childhood (author's transl)] Knorr D. Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Cytogenetical studies on swine intersexes. Miyake Y. Jap J Vet Res 21:41-50, Jul 73

PATHOLOGY

Cytogenetical studies on swine intersexes. Miyake Y. Jap J Vet Res 21:41-50, Jul 73

RADIOGRAPHY

[Endoscopic and contrast examinations of intersexes in childhood] Stefan H. Cesk Pediatr 28:652-5, Dec 73 (Cze)

SURGERY

A true hermaphrodite intersex. A case report. Babatunde AO. Niger Nurse 5:24-8, Apr-Jun 73
[True hermaphroditism. Report of a case and review of the literature] Teixeira CP, et al. Rev Assoc Med Bras 19:231-6, Jun 73 (Eng. Abstr.) (Por)

VETERINARY

Mucous and serous components of the submandibular and sublingual glands of Macaca irus and Cercopithecus aethiops. Jacobsen N, et al. Acta Histochem (Jena) 45:281-7, 1973
Cytogenetical studies on swine intersexes. Miyake Y. Jap J Vet Res 21:41-50, Jul 73

HYPOGONADISM

De novo translocation t(Yq;15p+) in a malformed boy. Pfeiffer RA, et al. *Humangenetik* 19:349-52, 20 Sep 73 [The XXXXY syndrome. Report of 7 new cases and review of the literature (author's transl)] Terheggen HG, et al. *Z Kinderheilkd* 115:209-33, 1 Oct 73 (105 ref.) (Eng. Abstr.) (Ger)

BLOOD

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al. *J Clin Endocrinol Metab* 38:58-63, Jan 74
The effect of synthetic luteinizing hormone-releasing factor on plasma LH levels in pituitary disease. Coscia AM, et al. *J Clin Endocrinol Metab* 38:83-8, Jan 74
Radioimmunoassay of plasma testosterone without chromatography: a comparison of four antisera, and the evaluation of a novel approach to liquid scintillation counting. Tyler JP, et al. *Steroids* 22:871-89, Dec 73
[Determination of blood LH and FSH with radioimmunoassay kit and its clinical evaluation examination] Yoshimoto S, et al. *Clin Endocrinol (Tokyo)* 21:753-9, Jul 73 (Jap)

COMPLICATIONS

Postmenopausal osteoporosis. Gordan GS, et al. *Am Fam Physician* 8:74-83, Dec 73

DIAGNOSIS

[The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al. *Dtsch Med Wochenschr* 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)
[Gonadal hormones in male hypogonadism] González Gancedo P, et al. *Rev Clin Esp* 131:187-94, 15 Nov 73 (Eng. Abstr.) (Spa)

DRUG THERAPY

[Letter: No increase of liver carcinoma following anabolic therapy] Müting D. *Med Klin* 68:1343, 12 Oct 73 (Ger)

ETIOLOGY

Clinical features of nonfunctioning chromophobe adenomas. Hooper MJ, et al. *Aust NZ J Med* 3:371-5, Aug 73

FAMILIAL & GENETIC

Renovascular hypertension. Prospective diagnostic yield in a random access population. Van den Berghe H, et al. *Humangenetik* 20:375-6, 20 Dec 73
Monozygotic twins concordant for Prader-Willi syndrome. Ikeda K, et al. *Jap J Hum Genet* 18:220-5, Sep 73

METABOLISM

Recovery of the ability to synthesize DNA in segments of normal size at long times after ultraviolet irradiation of human cells. Buhl SN, et al. *Biophys J* 13:1265-75, Dec 73
Androgen metabolism in the skin of hirsute women. Thomas JP, et al. *J Clin Endocrinol Metab* 38:19-22, Jan 74
[Examination of the pituitary-gonadal function ring using the synthetic LH-releasing hormone in patients with hypogonadism before and during therapy] Wagner H, et al. *Med Welt* 24:1537-9, 5 Oct 73 (Ger)
[Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al. *Folia Endocrinol (Roma)* 26:268-80, Aug 73 (Eng. Abstr.) (Ita)

PHYSIOPATHOLOGY

Serum luteinizing hormone and follicle stimulating

hormone in normal children and patients with various clinical disorders. Lee PA. *Clin Endocrinol (Oxf)* 2:255-64, Jul 73
[LH-RH test in diencephalon-pituitary diseases] Hashimoto T, et al. *Clin Endocrinol (Tokyo)* 21:925-33, Sep 73 (Jap)
[LH-RH test in urologic diseases: significance of LH-RH test in the field of urology] Isurugi K. *Clin Endocrinol (Tokyo)* 21:921-4, Sep 73 (Jap)

URINE

Immunochemical assay of follicle-stimulating and luteinizing hormone in the unconcentrated urine of sub- or infertile males. Mauss J, et al. *Acta Endocrinol (Kbh)* 74:631-41, Dec 73

KLINEFELTER'S SYNDROME

Preferential retention of the human chromosome C-7 in human-(thymidine kinase deficient) mouse hybrid cells. Croce CM, et al. *Exp Cell Res* 82:457-61, Dec 73
[The XXXXY syndrome. Report of 7 new cases and review of the literature (author's transl)] Terheggen HG, et al. *Z Kinderheilkd* 115:209-33, 1 Oct 73 (105 ref.) (Eng. Abstr.) (Ger)

COMPLICATIONS

Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al. *Acta Pathol Microbiol Scand [A]* 81:352-8, May 73
Systemic lupus erythematosus and Klinefelter syndrome. Landwirth J, et al. *Am J Dis Child* 126:851-3, Dec 73
Concurrence of myotonic dystrophy and XXY Klinefelter syndrome. Sparkes RS, et al. *Clin Genet* 4:264-9, 1973
A survey of 972 cytogenetically examined cases of Down's syndrome. Gardner RJ, et al. *NZ Med J* 78:403-9, 14 Nov 73
[The husband's share in a sterile marriage] Kohoutek M, et al. *Sb Ved Pr Lek Fak Karlovy Univ [Suppl]* 15:Suppl 2:177-83, Feb 73 (Eng. Abstr.) (Cze)

DIAGNOSIS

The XXXY Klinefelter syndrome in childhood. Ferrier PE, et al. *Am J Dis Child* 127:104-5, Jan 74
Combined Klinefelter-Down syndrome or XXYY syndrome? Singer H, et al. *Humangenetik* 19:261-4, 20 Sep 73
The utilization of fluorescent microscopy in routine chromosome analysis. Cullen SJ. *J Am Med Assoc* 238:633-8, Dec 73
[The practicing physician facing current problems in genetics] Jullard E, et al. *Rev Med Suisse Romande* 93:655-68, Sep 73 (Fre)

FAMILIAL & GENETIC

Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al. *Acta Pathol Microbiol Scand [A]* 81:352-8, May 73
Systemic lupus erythematosus and Klinefelter syndrome. Landwirth J, et al. *Am J Dis Child* 126:851-3, Dec 73
On the origin of 46,XX and 47,XXY males, 46,XY females and the position of the Xg locus. Côté GB. *Ann Hum Genet* 37:21-30, Jul 73
Concurrence of myotonic dystrophy and XXY Klinefelter syndrome. Sparkes RS, et al. *Clin Genet* 4:264-9, 1973
[Mitotic and meiotic studies on 70 cases of male sterility (author's transl)] Laurent C, et al. *Andrologie* 5:193-200, 1973 (Eng. Abstr.) (Fre)

OCCURRENCE

Taurodont molars and shovel incisors in Klinefelter's syndrome. Keeler C. *J Hered* 64:234-6, Jul-Aug 73

PATHOLOGY

Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al. *Acta Pathol Microbiol Scand [A]* 81:352-8, May 73
Concurrence of myotonic dystrophy and XXY

GONADS

OVARIAN CYSTS

Klinefelter syndrome. Sparkes RS, et al.
Clin Genet 4:284-9, 1973
 Taurodont molars and shovel incisors in Klinefelter's syndrome. Keeler C. *J Hered* 64:234-6, Jul-Aug 73
 Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al.
Tohoku J Exp Med 110:347-57, Aug 73
 [On the presence of cholinergic nerve fibers in the walls of testicular tubules in primary hypogonadism (Klinefelter's syndrome, cryptorchidism) (author's transl)] Usadel KH, et al.
Klin Wochenschr 51:1016-23, 15 Oct 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al.
Tohoku J Exp Med 110:347-57, Aug 73

URINE

Immunochemical assay of follicle-stimulating and luteinizing hormone in the unconcentrated urine of sub- or infertile males. Mauss J, et al.
Acta Endocrinol (Kbh) 74:631-41, Dec 73
 Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al.
Acta Pathol Microbiol Scand [A] 81:352-8, May 73

LEYDIG CELL TUMOR

CHEMICALLY INDUCED

[Character of oxidative and hydrolytic enzymes in cadmium-induced interstitial cell tumours of albino rats (author's transl)] Knorre D.
Arch Geschwulstforsch 42:127-34, 1973 (Eng. Abstr.) (Ger)

COMPLICATIONS

Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73

ENZYMOLGY

[Character of oxidative and hydrolytic enzymes in cadmium-induced interstitial cell tumours of albino rats (author's transl)] Knorre D.
Arch Geschwulstforsch 42:127-34, 1973 (Eng. Abstr.) (Ger)

METABOLISM

Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73

PATHOLOGY

Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73
 Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73

PHYSIOPATHOLOGY

Masculinizing effects of a testicular interstitial cell tumour graft on female rats. Pourreau-Schneider N. *J Endocrinol* 59:353-61, Nov 73

RADIOGRAPHY

Funicular and pedal lymphography in testicular tumours. Hultén L, et al.
Acta Chir Scand 139:746-58, 1973

SURGERY

Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73

VETERINARY

Testicular neoplasms and concomitant clinical changes in the dog. Lipowitz AJ, et al.
J Am Vet Med Assoc 163:1364-8, 15 Dec 73

OVARIAN CYSTS

[Report of a large ovarian cyst] Iversen J.
Ugeskr Laeger 135:1439, 2 Jul 73 (Eng. Abstr.) (Dan)
 [Comparative studies on the induction of ovulation by Follistiman and Pergonal] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)
 [Pregnancy complicated with cysts and cystomas of the ovary] Krasil'nikova AJa.
Feldsher Akush 38:27-8, JUL 73 (Rus)

COMPLICATIONS

Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al.
J Pediatr Surg 5:949-50, Dec 73
 [Pregnancy complicated by torsion of an ovarian cyst and gangrenous appendicitis] Kokoszka J, et al.
Pol Tyg Lek 28:2023-4, 17 Dec 73 (Eng. Abstr.) (Pol)
 [Traumatic rupture of a twisted dermoid cyst of the ovary] Shpizel' RS. *Sov Med* 36:135-6, Apr 73 (Rus)

DIAGNOSIS

Autotransplantation of splenic tissue. Report of a case. Jayaraman VD, et al. *Ill Med J* 141:556-8, Jun 73
 [Combination of ACTH dexamethazone and HCG in the differential diagnosis of hirsutism and polycystic ovaries (author's transl)] Divila F, et al.
Cesk Gynecol 38:627-9, Sep 73 (Cze)
 [Hydronephrosis of congenitally ectopic kidney simulating ovarian cyst] Banach S, et al.
Pol Tyg Lek 28:1942-3, 3 Dec 73 (Eng. Abstr.) (Pol)
 [Contribution to the diagnosis and therapy of cystic follicular changes of the ovaries (author's transl)] Kliment V, et al. *Cesk Gynecol* 38:634-5, Sep 73 (Slo)

DRUG THERAPY

[Therapy of ovarian cysts in dairy cattle using a synthetic LH-FSH-releasing hormone] Grunert E, et al.
Dtsch Tieraerztl Wochenschr 80:469-71, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Contribution to the diagnosis and therapy of cystic follicular changes of the ovaries (author's transl)] Kliment V, et al. *Cesk Gynecol* 38:634-5, Sep 73 (Slo)

ENZYMOLGY

[Studies on fibrinolytic activity and alpha I antitrypsin in the human ovary and the ovarian carcinoma as well as in hydatidiform moles] Kidess E, et al.
Med Welt 24:1406-7, Sep 73 (Ger)

ETIOLOGY

[Follicular cysts in the ovaries in mares] Zhivotkov KhI. *Veterinariia* 49:83-4, Jan 73 (Rus)

METABOLISM

Structures of oligosaccharides produced by base-borohydride degradation of human ovarian cyst blood group H, Le-b and Le-a active glycoproteins. Rova L, et al. *Biochemistry* 12:5340-54, 18 Dec 73
 The metabolism of testosterone by human skin in disorders of hair growth. Jenkins JS, et al.
J Endocrinol 59:345-51, Nov 73

PATHOLOGY

Massive edema of the ovary. Lupovitch A, et al.
Am J Obstet Gynecol 118:291-3, 15 Jan 74

PREVENTION & CONTROL

[Follicular cysts in the ovaries in mares] Zhivotkov KhI. *Veterinariia* 49:83-4, Jan 73 (Rus)

SURGERY

Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al.
J Pediatr Surg 5:949-50, Dec 73

VETERINARY

[Therapy of ovarian cysts in dairy cattle using a

OVARIAN CYSTS

- synthetic LH-FSH-releasing hormone] Grunert E, et al.
Dtsch Tierärztl Wochenschr 80:469-71, 15 Oct 73 (Eng. Abstr.) (Ger)
 [Follicular cysts in the ovaries in mares] Zhivotkov KhI. *Veterinarlia* 49:83-4, Jan 73 (Rus)

OVARIAN DISEASES

- Massive edema of the ovary. Lupovitch A, et al.
Am J Obstet Gynecol 118:291-3, 15 Jan 74

COMPLICATIONS

- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73
 Amenorrhoea after discontinuing combined oestrogen-progestogen oral contraceptives. Steele SJ, et al. *Br Med J* 4:343-5, 10 Nov 73
 The empty sella syndrome. Virilization in a 59-year-old woman. Shore RN, et al. *JAMA* 227:69-70, 7 Jan 74
 [Clinical studies on possible relation between disturbed sex hormone balance and gingival changes] Wilken J, et al.
Dtsch Stomatol 23:679-85, Sep 73 (Eng. Abstr.) (Ger)
 [Mud therapy for sterility due to autonomic and generative ovarian insufficiency] Baatz H.
Ther Ggw 112:1602-19, Oct 73 (Ger)

DIAGNOSIS

- Massive edema of the ovary. Lupovitch A, et al.
Am J Obstet Gynecol 118:291-3, 15 Jan 74
 Tubo-ovarian abscess in pregnancy. Hunt SM, et al.
Obstet Gynecol 43:57-60, Jan 74
 [Ovarian bleeding as a cause of acute abdomen (based on data from the N.I. Pirogov Hospital during 1967-1970)] Dotseva S.
Akush Ginekol (Sofia) 12:119-24, 1973 (Eng. Abstr.) (Bul)

DRUG THERAPY

- Treatment of ovarian insufficiency by gonadotrophins. Crooke AC, et al.
Endocrinol Exp (Bratisl) 7:275-82, 1973
 [System of treating climacteric dysfunctions of the ovaries] Bakerdzheva D.
Akush Ginekol (Mosk) 49:66-8, Aug 73 (Rus)
 [Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskala TA, et al.
Probl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)
 [Gonadotropin and progesterone for stimulating the sexual function in cows] Cheremisinov GA.
Veterinarlia 3:80-2, Feb 73 (Rus)
 [Medical induction of ovulation. Report of 250 cases] Ruiz Velasco V.
Ginecol Obstet Mex 34:417-28, Nov 73 (Eng. Abstr.) (Spa)

ETIOLOGY

- Serious pelvic infections associated with intrauterine contraceptive device. Golditch IM, et al.
Int J Fertil 18:156-60, 1973
 Letter: Severe pelvic sepsis and the Majzlin spring.
 Beecham JB, et al. *Obstet Gynecol* 43:159, Jan 74

FAMILIAL & GENETIC

- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73
 Banding patterns and autoradiographic studies of cells with an X-autosome translocation. Lucas M, et al.
Ann Hum Genet 37:9-12, Jul 73

METABOLISM

- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73

GONADS

PATHOLOGY

- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73

SURGERY

- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73
 Massive edema of the ovary. Lupovitch A, et al.
Am J Obstet Gynecol 118:291-3, 15 Jan 74
 Tubo-ovarian abscess in pregnancy. Hunt SM, et al.
Obstet Gynecol 43:57-60, Jan 74

THERAPY

- [Treatment with a sulfide-silt mud of ovarian hypofunction of inflammatory etiology] Chumburidze ESh, et al.
Akush Ginekol (Mosk) 49:17-9, Mar 73 (Eng. Abstr.) (Rus)

URINE

- [Comparative results of gonadotropin LH determination by way of the immunochemical and radioimmunological methods] Hyla R, et al.
Endokrynol Pol 24:467-71, Nov-Dec 73 (Eng. Abstr.) (Pol)

OVARIAN NEOPLASMS

- Mucosal hyperplasia, mucinous cystadenoma, and mucinous cystadenocarcinoma of the appendix. A re-evaluation of appendiceal "mucocoele". Higa E, et al. *Cancer* 32:1525-41, Dec 73
 [Surgical importance of evaluation of fetal pulmonary maturity by examination of the amniotic fluid] Bouchama S, et al.
J Chir (Paris) 106:337-40, Oct 73 (Eng. Abstr.) (Fre)
 [Gynecologic cancer] Kolstad P.
Tidsskr Nor Laegeforen 93:1952-4, 20 Sep 73 (Nor)
 [Ovarian cancer] Kolstad P.
Tidsskr Nor Laegeforen 93:1962-5, 20 Sep 73 (Nor)
 [Pregnancy complicated with cysts and cystomas of the ovary] Krasil'nikova Afa.
Feldsher Akush 38:27-8, JUL 73 (Rus)
 [Retrospective data on the weight of newborn infants in oncological patients] Bershtein LM.
Vopr Onkol 19:48-54, 1973 (Eng. Abstr.) (Rus)

BLOOD

- The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Rhamy RK, et al.
Steroids 22:719-29, Nov 73

CHEMICALLY INDUCED

- Investigations on the effects of chronic cigarette-smoke inhalation in Syrian golden hamsters. Döntenwill W, et al.
J Natl Cancer Inst 51:1781-832, Dec 73

COMPLICATIONS

- Aeromonas hydrophila* peritonitis. Saito R, et al.
Cancer Chemother Rep 57:489-91, Nov-Dec 73
 Changes in the venous urography and isotope nephrography in patients with malignant tumours of the female genitals. Angelova Y, et al.
Int Urol Nephrol 5:53-61, Jan 73
 Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. *Lancet* 2:1263-4, 1 Dec 73
 Pseudomyxoma peritonei et ovarii with occult neoplasms of appendix. Campbell JS, et al.
Obstet Gynecol 42:897-902, Dec 73
 Basal cell carcinoma originating in a benign cystic teratoma of the ovary. Mathios AJ, et al.
Obstet Gynecol 42:892-6, Dec 73
 Gonadoblastoma associated with embryonal carcinoma. Talerman A. *Obstet Gynecol* 43:138-42, Jan 74
 [Unusual case of unilateral ovarian agenesis associated

- with dermoid cyst] Ianeva R, et al.
Akush Ginekol (Sofia) 12:156-7, 1973 (Bul)
[Cutaneous metastases with calcospherites revealing an ovarian psammoma] Degos R, et al.
Ann Dermatol Syphiligr (Paris) 100:373-4, 1973 (Fre)
[Local enzyme therapy of malignant pleural effusions (author's transl)] Schindl R, et al.
Wien Klin Wochenschr 85:853-4, 28 Dec 73 (Eng. Abstr.) (Ger)

DIAGNOSIS

- Diseases of the domestic fowl in Northern New Zealand. McCausland IP. NZ Vet J 20:160-6, Sep 72
[Foreign body in the abdomen simulating tumor of the genitalia] Pekhlivanov K.
Akush Ginekol (Sofia) 12:165-6, 1973 (Bul)
[Clinicopathological conference. IX. Muscular weakness and skin edema] Kentala E.
Duodecim 89:831-42, 1973 (Fin)
[Experiences with diagnostic laparoscopy in gynecology] Szczepanik E.
Fortschr Med 91:1354-5, 6 Dec 73 (Ger)
[Early detection of gynecologic cancer in clinical practice] Schuhmann R.
Z Allgemeinmed 49:1380-2, 20 Oct 73 (Ger)

DRUG THERAPY

- Hepatic and adrenocortical function during cyclophosphamide stoss therapy. Ylöstalo, et al.
Acta Obstet Gynecol Scand 52:299-302, 1973
Chemotherapy in advanced ovarian cancer. Schein PS. Geriatrics 28:89-95, Dec 73 (20 ref.)
Malignant ovarian tumors in children. Ein SH.
J Pediatr Surg 8:539-42, Aug 73
Genetic activity of metabolites in the ascitic fluid and in the urine of a human patient treated with cyclophosphamide: Induction of mitotic gene conversion in *Saccharomyces cerevisiae*. Siebert D, et al.
Mutat Res 21:257-62, Oct 73
[Effect of Thio-TEPA on advanced ovarian cancer (author's transl)] Luciani L, et al.
Tumori 59:259-67, Jul-Aug 73 (Eng. Abstr.) (Ita)
[Therapy in genital endometriosis] Todortseva MS.
Akush Ginekol (Mosk) 49:27-9, May 73 (Eng. Abstr.) (Rus)
[Sensitivity of human tumor cells in culture to mitomycin C and thiophosphamide] Tolkacheva EN, et al.
Antibiotiki 18:223-7, Mar 73 (Eng. Abstr.) (Rus)
[Preoperative chemotherapy of malignant ovarian neoplasms] Pankov AK, et al.
Vopr Onkol 19:20-3, 1973 (Eng. Abstr.) (Rus)

EMBRYOLOGY

- Dermoid cyst of ovary containing fetus-like structure. Azoury RS, et al. Obstet Gynecol 42:887-91, Dec 73

ENZYMOLGY

- [Studies on fibrinolytic activity and alpha I antitrypsin in the human ovary and the ovarian carcinoma as well as in hydatidiform moles] Kldess E, et al.
Med Welt 24:1406-7, Sep 73 (Ger)

ETIOLOGY

- Carcinogenicity of inhaled plutonium-238 in the rat. Sanders CL Jr. Radiat Res 56:540-53, Dec 73
[Paramesonephric epithelium and its relationship to the surface epithelium of the ovary (author's transl)] Jirásek JE. Cesk Gynecol 38:691-4, Nov 73 (Cze)

FAMILIAL & GENETIC

- Ovarian carcinoma in three teen-age siblings. McCrann DJ Jr, et al. Obstet Gynecol 43:132-7, Jan 74
[Karyotypic analysis of an ovarian carcinoma by fluorescence technique] Zara C, et al.
Ann Ostet Ginekol Med Perinat 93:546-52, Aug 72 (Eng. Abstr.) (Ita)
[Chromosomal variability and carcinogenesis] Pogoslants EE.
Vestn Akad Med Nauk SSSR 28:49-54, 1973 (Eng. Abstr.) (Rus)

IMMUNOLOGY

- Auto-antibodies in malignant disease. Whitehouse JM,

- et al.
Bull Soc Sci Med Grand Duche Luxemb 110:197-202, Nov 73
[Immunoglobulin level in malignant gynecologic diseases and tumor patients] Pulay T, et al.
Orv Hetil 114:3146-8, 30 Dec 73 (Hun)
[Clinical aspects of tumor immunology] Gorodilova VV.
Vopr Onkol 19:9-17, 1973 (Rus)

METABOLISM

- Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. Lancet 2:1263-4, 1 Dec 73
Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al.
Obstet Gynecol 42:903-6, Dec 73

MORTALITY

- Chemotherapy in advanced ovarian cancer. Schein PS. Geriatrics 28:89-95, Dec 73 (20 ref.)
Cancer mortality among foreign- and native-born Chinese in the United States. King H, et al.
J Chronic Dis 26:623-46, Oct 73
Teratomas in children: epidemiologic features. Fraumeni JF Jr, et al.
J Natl Cancer Inst 51:1425-30, Nov 73
Proceedings: Grading of gynecologic malignancy: epithelial ovarian cancer. Decker DG, et al.
Proc Natl Cancer Conf 7:223-31, 1973
[Comparative evaluation of radiotherapy and chemotherapy after radical operations in malignant ovarian tumors] Pankov AK, et al.
Akush Ginekol (Mosk) 49:70-1, Aug 73 (Rus)

OCCURRENCE

- The frequency of tonsillectomy and appendectomy in cancer patients. Cassimos C, et al.
Cancer 32:1374-9, Dec 73
Some observations on the epidemiology of cancer of the breast in women of Western India. Paymaster JC, et al.
Int J Cancer 10:443-50, Nov 72
Pseudomyxoma peritonei et ovarii with occult neoplasms of appendix. Campbell JS, et al.
Obstet Gynecol 42:897-902, Dec 73
[Krukenberg's cancer according to data from a gynecology department for a 10-year period] Rembez AM. Akush Ginekol (Mosk) 49:67, Mar 73 (Rus)

PATHOLOGY

- An analysis of glioneural elements in cystic teratoma of the ovary. Lin JB.
Acta Obstet Gynaecol Jap 19:185-98, Jul 72
Mixed mesodermal tumor of the ovary. Fukui H, et al.
Acta Pathol Jap 23:609-14, Aug 73
Multiple sebaceous neoplasms of the skin: an association with multiple visceral carcinomas, especially of the colon. Rulon DB, et al.
Am J Clin Pathol 60:745-52, Dec 73
Vaginal metastases in endometrial carcinoma. Mølenaeere GF de.
Am J Obstet Gynecol 118:168-72, 15 Jan 74
Morphological and cytological characters of human ovarian tumor in short term tissue cultures. Moraru I, et al. Arch Geschwulstforsch 42:163-71, 1973
Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology, histology, and ultrastructure. Bjersing L, et al.
Cancer 32:1360-9, Dec 73
Chemotherapy in advanced ovarian cancer. Schein PS. Geriatrics 28:89-95, Dec 73 (20 ref.)
The ultrastructure of gonadoblastoma and dysgerminoma. Hou-Jensen K, et al.
Hum Pathol 5:79-91, Jan 74
Maffucci's syndrome: functional and neoplastic significance. Case report and review of the literature. Lewis RJ, et al.
J Bone Joint Surg [Am] 55:1465-79, Oct 73 (88 ref.)
Ovarian adenocarcinoma in a bitch. Stroud BA, et al.
Mod Vet Pract 54:32 passim, Dec 73
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974.
N Engl J Med 290:98-102, 10 Jan 74
Dermoid cyst of ovary containing fetus-like structure. Azoury RS, et al. Obstet Gynecol 42:887-91, Dec 73
Pseudomyxoma peritonei et ovarii with occult neoplasms of appendix. Campbell JS, et al.
Obstet Gynecol 42:897-902, Dec 73

OVARIAN NEOPLASMS

- Ovarian carcinoma in three teen-age siblings. McCrann DJ Jr, et al. *Obstet Gynecol* 43:132-7, Jan 74
- Basal cell carcinoma originating in a benign cystic teratoma of the ovary. Mathlos AJ, et al. *Obstet Gynecol* 42:892-6, Dec 73
- Gonadoblastoma associated with embryonal carcinoma. Talerman A. *Obstet Gynecol* 43:138-42, Jan 74
- Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al. *Obstet Gynecol* 42:903-6, Dec 73
- Proceedings: Grading of gynecologic malignancy: epithelial ovarian cancer. Decker DG, et al. *Proc Natl Cancer Conf* 7:223-31, 1973
- [Histopathology of the ovarian tumors derived from the Müllerian (paramesonephric) epithelium and their differential diagnosis. I. Adenofibroma. Serous and mucinous cystadenomas and cystadenocarcinomas (author's transl)] Jirásek JE. *Cesk Gynekol* 38:705-8, Nov 73 (Cze)
- [Clinicopathological conference. IX. Muscular weakness and skin edema] Kentala E. *Duodecim* 89:831-42, 1973 (Fin)
- [Adenomatoid tumors of the female genital tract (with review of adenomatoid tumors in both sexes) (author's transl)] Remmele W, et al. *Arch Gynaekol* 215:389-408, 1973 (Eng. Abstr.) (Ger)
- [Malignant melanoma of female genitalia. 3] Hempel J, et al. *Z Hautkr* 48:759-74, 15 Sep 73 (Ger)
- [Spin-lattice relaxation times of the cellular protons of water in normal and cancerous human tissues (author's transl)] Schmidt K, et al. *Z Krebsforsch* 80:209-22, 6 Dec 73 (Eng. Abstr.) (Ger)
- [Histochemical studies on Brenner tumors. (The histogenetic relations between Brenner tumor and mucinous cystadenoma)] Ruckhäberle KE, et al. *Zentralbl Gynaekol* 95:1148-54, 17 Aug 73 (Eng. Abstr.) (Ger)
- [Ovarian rhabdomyosarcoma in childhood] Spies H, et al. *Zentralbl Gynaekol* 95:1322-5, 14 Sep 73 (Eng. Abstr.) (Ger)
- [Androblastomas of the ovaries induced by penetrating radiation] Guhareva AV. *Arkhl Patol* 34:17-21, 1972 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

- Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology, histology, and ultrastructure. Bjersing L, et al. *Cancer* 32:1360-9, Dec 73

RADIOGRAPHY

- The lumbar lymphatics: a lymphographic study. Jackson BT. *Ann R Coll Surg Engl* 54:3-15, Jan 74
- Chemotherapy in advanced ovarian cancer. Schein PS. *Geriatrics* 28:89-95, Dec 73 (20 ref.)
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974. *N Engl J Med* 290:98-102, 10 Jan 74
- Dermoid cyst of ovary containing fetus-like structure. Azoury RS, et al. *Obstet Gynecol* 42:887-91, Dec 73
- [Gynecography in gonadal dysgenesis for assessment of pelvic organs with reference to gonadal neoplasms] Haertel M, et al. *Helv Paediatr Acta* 28:283-90, Oct 73 (Eng. Abstr.) (Ger)
- [Gynecography] Gronlowski J. *Pol Przegl Radiol* 37:771-7, Nov-Dec 73 (Eng. Abstr.) (Pol)
- [Some problems in the diagnosis of genital endometriosis (a clinical x-ray study)] Lopatina TV. *Akush Ginekol (Mosk)* 49:14-8, May 73 (Eng. Abstr.) (Rus)

RADIOTHERAPY

- Chemotherapy in advanced ovarian cancer. Schein PS. *Geriatrics* 28:89-95, Dec 73 (20 ref.)
- Malignant ovarian tumors in children. Ein SH. *J Pediatr Surg* 8:539-42, Aug 73
- Small-intestinal injury in women who have had pelvic radiotherapy. Newman A, et al. *Lancet* 2:1471-3, 29 Dec 73
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974. *N Engl J Med* 290:98-102, 10 Jan 74
- Ovarian carcinoma in three teen-age siblings. McCrann DJ Jr, et al. *Obstet Gynecol* 43:132-7, Jan 74

GONADS

- Proceedings: Radiation therapy of gynecological cancer. Marcial VA. *Proc Natl Cancer Conf* 7:243-9, 1973
- Carcinoma of the ovary. Radiation therapy experience. Brodie EM, et al. *Va Med Mon* 101:17-21, Jan 74
- [Indication for radiotherapy in gynecologic malignomas] Pfeiffer J, et al. *Z Aerzt Fortbild (Jena)* 67:856-61, 1 Sep 73 (55 ref.) (Ger)

SURGERY

- Changes in the venous urography and isotope nephrography in patients with malignant tumours of the female genitals. Angelova Y, et al. *Int Urol Nephrol* 5:53-61, Jan 73
- Malignant ovarian tumors in children. Ein SH. *J Pediatr Surg* 8:539-42, Aug 73
- Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case-1-1974. *N Engl J Med* 290:98-102, 10 Jan 74
- Dermoid cyst of ovary containing fetus-like structure. Azoury RS, et al. *Obstet Gynecol* 42:887-91, Dec 73
- Ovarian carcinoma in three teen-age siblings. McCrann DJ Jr, et al. *Obstet Gynecol* 43:132-7, Jan 74
- Basal cell carcinoma originating in a benign cystic teratoma of the ovary. Mathlos AJ, et al. *Obstet Gynecol* 42:892-6, Dec 73
- Gonadoblastoma associated with embryonal carcinoma. Talerman A. *Obstet Gynecol* 43:138-42, Jan 74
- Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al. *Obstet Gynecol* 42:903-6, Dec 73
- [Papillary ovarian tumor and our experience in its treatment] Raichev R, et al. *Akush Ginekol (Sofia)* 12:124-7, 1973 (Eng. Abstr.) (Bul)
- [Surgical importance of evaluation of fetal pulmonary maturity by examination of the amniotic fluid] Bouchama S, et al. *J Chir (Paris)* 106:337-40, Oct 73 (Eng. Abstr.) (Fre)
- [Preoperative chemotherapy of malignant ovarian neoplasms] Pankov AK, et al. *Vopr Onkol* 19:20-3, 1973 (Eng. Abstr.) (Rus)

THERAPY

- [Comparative evaluation of radiotherapy and chemotherapy after radical operations in malignant ovarian tumors] Pankov AK, et al. *Akush Ginekol (Mosk)* 49:70-1, Aug 73 (Rus)

VETERINARY

- Ovarian adenocarcinoma in a bitch. Stroud BA, et al. *Mod Vet Pract* 54:32 passim, Dec 73
- Diseases of the domestic fowl in Northern New Zealand. McCausland IP. *NZ Vet J* 20:160-6, Sep 72

OVARY

ABNORMALITIES

- Incomplete testicular feminization syndrome with puberal virilization. Himathongkam T, et al. *Am J Obstet Gynecol* 118:288-90, 15 Jan 74
- Surgical correction of caudal duplication (dipygus). Simpson JS, et al. *J Pediatr Surg* 5:935-8, Dec 73
- [Genital function in patients with gonadal dysgenesis of female phenotype] Genkova P, et al. *Akush Ginekol (Sofia)* 12:289-93, 1973 (Eng. Abstr.) (Bul)
- [Unusual case of unilateral ovarian agenesis associated with dermoid cyst] Ianeva R, et al. *Akush Ginekol (Sofia)* 12:156-7, 1973 (Bul)

PSEUDOHERMAPHRODITISM

DIAGNOSIS

- Failure to thrive, vomiting, and undescended testes in a two-month-old boy. Ziai M, et al. *Clin Pediatr (Phila)* 12:31A, Nov 73
- [Endoscopic and contrast examinations of intersexes in childhood] Stefan H. *Cesk Pediatr* 28:652-5, Dec 73 (Cze)

ENZYMOLGY

- Developmental defects of testicular morphology and

GONADS

SEX CHROMOSOME

steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al. *Endocrinology* 91:1-16, Jan 74

ETIOLOGY

[Morphological study of the gonads in a case of pseudohermaphroditism due to testicular feminization] Jiménez Cardoso JM, et al. *Rev Invest Clin* 25:253-60, Jul-Sep 73 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Two male sibs with uterus and Fallopian tubes. A rare, probably inherited disorder. Armendares S, et al. *Clin Genet* 4:291-6, 1973
Familial 78XX male pseudohermaphroditism in three dogs. Hare WC, et al. *J Reprod Fertil* 36:207-10, Jan 74

PATHOLOGY

Two male sibs with uterus and Fallopian tubes. A rare, probably inherited disorder. Armendares S, et al. *Clin Genet* 4:291-6, 1973
[Morphological study of the gonads in a case of pseudohermaphroditism due to testicular feminization] Jiménez Cardoso JM, et al. *Rev Invest Clin* 25:253-60, Jul-Sep 73 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders. Lee PA. *Clin Endocrinol (Oxf)* 2:255-64, Jul 73

RADIOGRAPHY

[Endoscopic and contrast examinations of intersexes in childhood] Stefan H. *Cesk Pediatr* 28:652-5, Dec 73 (Cze)

THERAPY

Two male sibs with uterus and Fallopian tubes. A rare, probably inherited disorder. Armendares S, et al. *Clin Genet* 4:291-6, 1973

VETERINARY

Familial 78XX male pseudohermaphroditism in three dogs. Hare WC, et al. *J Reprod Fertil* 36:207-10, Jan 74

PUBERTY, PRECOCIOUS

The Russell-Silver syndrome: a nine-year follow-up. McDowell RV, et al. *Am J Dis Child* 126:794-6, Dec 73
[Adolescent somatic development and its variants] Perheentupa J, et al. *Duodecim* 89:716-25, 1973 (Fin)

CHEMICALLY INDUCED

[Effect of administration of anabolizing hormones on the development of genitals in girls. Preliminary report] Ciecirowska A, et al. *Pediatr Pol* 48:1229-36, 1973 (Eng. Abstr.) (Pol)

COMPLICATIONS

Orthopaedic considerations of Silver's syndrome. Specht EE, et al. *J Bone Joint Surg [Am]* 55:1502-10, Oct 73
[The normal and disturbed prepubertal development of the human testis] Städtler F. *Veroeff Morphol Pathol* 92:1-127, 1973 (Eng. Abstr.) (Ger)
[Silver-Russell syndrome in a 5 one half-year-old boy] Kaiser E, et al. *Orv Hetil* 114:2908-10, 2 Dec 73 (Hun)

DIAGNOSIS

[Pituitary disorders; growth disturbances (author's transl)] Blerich JR. *Monatsschr Kinderheilkd* 121:647-51, Oct 73 (Ger)
[Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

DRUG THERAPY

[Pituitary disorders; growth disturbances (author's transl)] Blerich JR. *Monatsschr Kinderheilkd* 121:647-51, Oct 73 (Ger)
[Androcur] Z Hautkr 48:819-20, 1 Oct 73 (Ger)

ETIOLOGY

The onset of puberty. *Indian J Pediatr* 40:200-1, May 73
Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al. *J Pediatr Surg* 5:949-50, Dec 73
Sexual maturation in juvenile hypothyroidism. Barnes ND, et al. *Mayo Clin Proc* 48:849-56, Dec 73
Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73
[Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

[Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)
[Evaluation of electroencephalographic studies in the precocious puberty syndrome in children] Křláč-Folga A, et al. *Pediatr Pol* 48:1247-53, 1973 (Eng. Abstr.) (Pol)

THERAPY

[Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

SERTOLI CELL TUMOR

COMPLICATIONS

[Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

PATHOLOGY

Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73
[Androblastomas of the ovaries induced by penetrating radiation] Gubareva AV. *Arkhi Patol* 34:17-21, 1972 (Eng. Abstr.) (Rus)

VETERINARY

Testicular neoplasms and concomitant clinical changes in the dog. Lipowitz AJ, et al. *J Am Vet Med Assoc* 163:1364-8, 15 Dec 73

SEX CHROMOSOME

ABNORMALITIES

The XXXY Klinefelter syndrome in childhood. Ferrier PE, et al. *Am J Dis Child* 127:104-5, Jan 74
Banding patterns and autoradiographic studies of cells with an X-autosome translocation. Lucas M, et al. *Ann Hum Genet* 37:9-12, Jul 73
A dermatoglyphic study of sixty-four XYY males. Saldaña-García P. *Ann Hum Genet* 37:107-16, Jul 73
XO karyotype in a phenotypic male. Bhatia P, et al. *Humangenetik* 19:337-40, 20 Sep 73
A sex-linked defect in the cross-linking of collagen and elastin associated with the mottled locus in mice. Rowe DW, et al. *J Exp Med* 139:180-92, 1 Jan 74
The Samuel Novey Lecture. Does sexual perversion exist? Stoller RJ. *Johns Hopkins Med J* 134:43-57, Jan 74
[Kinky hair disease--a new syndrome with cerebral degeneration] Neuhäuser G. *Hippokrat* 44:316-8, Oct 73 (11 ref.) (Ger)
[Chromosomal pathology] Baserga A, et al. *Minerva Med* 64:4430-4, 21 Nov 73 (Ita)

BLOOD

Human Y-chromatin. I. Dispersion and condensation. Wyandt HE, et al. *Exp Cell Res* 81:453-61, Oct 73
[Examination of fluorescence of Y chromosome in

SEX CHROMOSOME

blood smears in mentally ill patients] Oleinikov NI.
Lab Delo 5:306-7, 1973 (Rus)

COMPLICATIONS

Sex chromosome aberrations and speech development.
Garvey M, et al. Arch Dis Child 48:937-41, Dec 73
Translation. XO-XY mosaics: six case studies. Giraud F,
et al. Arch Sex Behav 2:83-8, Jun 72
Editorial: Cytogenetics and cancer. Koss LG.
JAMA 226:1349, 10 Dec 73

Preleukemic states. Pierre RV.

Semin Hematol 11:73-92, Jan 74

Chromosomal abnormalities in undescended testes.
Mininberg DT, et al. Urology 1:98-101, Feb 73

[Myeloproliferative disorder with hyperdiploid
stemline (47,XY,mar+) (author's transl)] Vormittag
W, et al.

Wien Klin Wochenschr 85:747-9, 9 Nov 73 (Eng. Abstr.)
(Ger)

[Familial pterygium syndrome with probably dominant
transmission linked to the X chromosome] Carnevale
A, et al.

Rev Invest Clin 25:237-44, Jul-Sep 73 (Eng. Abstr.)
(Spa)

DIAGNOSIS

Combined Klinefelter-Down syndrome or XXYY
syndrome? Singer H, et al.

Humangenetik 19:261-4, 20 Sep 73

The Noonan syndrome--a review of the clinical and
genetic features of 27 cases. Collins E, et al.
J Pediatr 83:941-50, Dec 73

Letter: Y-to-X translocation in a girl. Borgaonkar DS, et
al. Lancet 1:68-9, 12 Jan 74

[The practicing physician facing current problems in
genetics] Juillard E, et al.

Rev Med Suisse Romande 93:655-68, Sep 73 (Fre)

[Symptoms of genetic significance in orthopedics]
Kalmár L, et al.

Beitr Orthop Traumatol 20:502-4, Sep 73 (Ger)

[The diagnostic significance of synthetic LH-RH
(luteinizing hormone-releasing hormone) in
evaluating gonadotropic pituitary function (author's
transl)] Solbach HG, et al.

Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Eng.
Abstr.) (Ger)

[The XXXXY syndrome. Report of 7 new cases and
review of the literature (author's transl)] Terheggen
HG, et al.

Z Kinderheilkd 115:209-33, 1 Oct 73 (105 ref.) (Eng.
Abstr.) (Ger)

[Dermatoglyphic studies in patients with primary and
secondary hypoovarism] Spasov S, et al.

Zentralbl Gynaekol 95:1287-90, 7 Sep 73 (Eng. Abstr.)
(Ger)

[Screening criminals for double chromosome Y]
Kovács M, et al. Orv Hetil 114:2896-901, 2 Dec 73 (Hun)

ETIOLOGY

Noonan syndrome and trisomy 21 mongolism in sibs.
Blanchine JW. Am J Dis Child 126:823-6, Dec 73

FAMILIAL & GENETIC

Noonan syndrome and trisomy 21 mongolism in sibs.
Blanchine JW. Am J Dis Child 126:823-6, Dec 73

On the origin of 46,XX and 47,XXY males, 46,XY
females and the position of the Xg locus. Côté GB.
Ann Hum Genet 37:21-30, Jul 73

Banding patterns and autoradiographic studies of cells
with an X-autosome translocation. Lucas M, et al.
Ann Hum Genet 37:9-12, Jul 73

The Noonan syndrome--a review of the clinical and
genetic features of 27 cases. Collins E, et al.
J Pediatr 83:941-50, Dec 73

Familial 78XX male pseudohermaphroditism in three
dogs. Hare WC, et al. J Reprod Fertil 36:207-10, Jan 74

Cancer genetics. II. Studies in humans. Problems in
human studies. Lynch HT.

Nebr Med J 58:401-7, Nov 73 (24 ref.)

Chromosomal abnormalities in undescended testes.

Mininberg DT, et al. Urology 1:98-101, Feb 73

IMMUNOLOGY

Electron microscopic and functional aspects of human

GONADS

lymphocyte response to mitogens. Douglas SD.
Transplant Rev 11:39-59, 1972 (52 ref.)

OCCURRENCE

Chromosomal abnormalities in undescended testes.
Mininberg DT, et al. Urology 1:98-101, Feb 73

PATHOLOGY

[Cytogenetics of the initial embryogenesis in
mammals] Dyban AP.

Vestn Akad Med Nauk SSSR 28:18-29, 1973 (Eng.
Abstr.) (Rus)

PHYSIOPATHOLOGY

Serum luteinizing hormone and follicle stimulating
hormone in normal children and patients with various
clinical disorders. Lee PA.

Clin Endocrinol (Oxf) 2:255-64, Jul 73

RADIOGRAPHY

X-ray abnormalities in tetra X females. (Report on two
cases). Kozłowski K, et al.

Australas Radiol 17:189-95, Jun 73

URINE

Urinary follicle stimulating hormone and luteinizing
hormone in six males with the XYY syndrome.
Christiansen P, et al.

Acta Endocrinol (Kbh) 74:625-30, Dec 73

VETERINARY

Familial 78XX male pseudohermaphroditism in three
dogs. Hare WC, et al. J Reprod Fertil 36:207-10, Jan 74

SEX DIFFERENTIATION DISORDERS

Prenatal hormones and human behavior. Ehrhardt AA,
et al. Ill Med J 141:386-9, Apr 73

BLOOD

Cutis laxa, skeletal anomalies, and ambiguous genitalia.
Kaye CI, et al. Am J Dis Child 127:115-7, Jan 74

CHEMICALLY INDUCED

Fetal hormones, the brain, and human sex differences:
a heuristic, integrative review of the recent
literature. Reinsch JM.

Arch Sex Behav 3:51-90, Jan 74 (96 ref.)

COMPLICATIONS

Translation. XO-XY mosaics: six case studies. Giraud F,
et al. Arch Sex Behav 2:83-8, Jun 72

DIAGNOSIS

Women in sports. Chowdhury NN.

J Indian Med Assoc 61:146-8, 1 Aug 73

The Noonan syndrome--a review of the clinical and
genetic features of 27 cases. Collins E, et al.
J Pediatr 83:941-50, Dec 73

FAMILIAL & GENETIC

Noonan syndrome and trisomy 21 mongolism in sibs.
Blanchine JW. Am J Dis Child 126:823-6, Dec 73

The Noonan syndrome--a review of the clinical and
genetic features of 27 cases. Collins E, et al.
J Pediatr 83:941-50, Dec 73

PHYSIOPATHOLOGY

Fetal hormones, the brain, and human sex differences:
a heuristic, integrative review of the recent
literature. Reinsch JM.

Arch Sex Behav 3:51-90, Jan 74 (96 ref.)

Serum luteinizing hormone and follicle stimulating
hormone in normal children and patients with various
clinical disorders. Lee PA.

Clin Endocrinol (Oxf) 2:255-64, Jul 73

GONADS

TESTICULAR

STEIN-LEVENTHAL SYNDROME

BLOOD

Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. Wieland RG, et al.
Am J Obstet Gynecol 117:983-6, 1 Dec 73

COMPLICATIONS

[Metrorrhagic forms of Stein-Leventhal syndrome] Markovski N.
Akush Ginekoi (Sofia) 12:104-9, 1973 (Eng. Abstr.) (Bul)
[Clomiphene test in amenorrhea of mental anorexia (apropos of 26 cases)] Decourt J.
Ann Med Interne (Paris) 124:641-5, Aug-Sep 73 (Fre)
[Clinico-social study of secondary polycystic disease of the ovaries. Consideration of 50 cases] Rovere F.
Minerva Ginecol 25:597-606, Oct 73 (Eng. Abstr.) (Ita)

DIAGNOSIS

[Clinico-social study of secondary polycystic disease of the ovaries. Consideration of 50 cases] Rovere F.
Minerva Ginecol 25:597-606, Oct 73 (Eng. Abstr.) (Ita)
[Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B.
Pol Tyg Lek 28:1327-8, 20 Aug 73 (17 ref.) (Pol)
[Sclerocystic ovary syndrome] Vikhlaeva EM.
Akush Ginekoi (Mosk) 49:54-8, Mar 73 (Rus)

DRUG THERAPY

The development and usage of clomiphene. Bowdler IM.
Bristol Med Chir J 87:53-6, Oct 72 (13 ref.)
Occurrence of spontaneous second pregnancy after delivery of conceptions resulting from ovulation induced by various therapeutic modalities. Canales ES, et al.
Int J Fertil 18:182-4, 1973

ETIOLOGY

[Sclerocystic ovary syndrome] Vikhlaeva EM.
Akush Ginekoi (Mosk) 49:54-8, Mar 73 (Rus)

FAMILIAL & GENETIC

Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73
Dermatoglyphic investigations of patients with Stein-Leventhal syndrome. Spasov SA, et al.
Obstet Gynecol 42:877-80, Dec 73

METABOLISM

Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73

PATHOLOGY

Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.
Am J Obstet Gynecol 117:976-82, 1 Dec 73

PHYSIOPATHOLOGY

[Sclerocystic ovary syndrome] Vikhlaeva EM.
Akush Ginekoi (Mosk) 49:54-8, Mar 73 (Rus)

SURGERY

Occurrence of spontaneous second pregnancy after delivery of conceptions resulting from ovulation induced by various therapeutic modalities. Canales ES, et al.
Int J Fertil 18:182-4, 1973
[Metrorrhagic forms of Stein-Leventhal syndrome] Markovski N.
Akush Ginekoi (Sofia) 12:104-9, 1973 (Eng. Abstr.) (Bul)
[Treatment of anovulatory sterility. V. Results of ovarian cuneiform resection in patients with polycystic ovary syndrome] Canales ES, et al.

Ginecol Obstet Mex 34:467-74, Nov 73 (Eng. Abstr.) (Spa)

THERAPY

[Clinico-social study of secondary polycystic disease of the ovaries. Consideration of 50 cases] Rovere F.
Minerva Ginecol 25:597-606, Oct 73 (Eng. Abstr.) (Ita)

TESTICULAR DISEASES

COMPLICATIONS

[Clinical picture and pathogenesis of the obstructive azoospermia] Petres J, et al.
Z Hautkr 48:801-7, 1 Oct 73 (61 ref.) (Ger)

DIAGNOSIS

[Differential diagnosis of testicular torsion] Bartsch G, et al.
Z Allgemeinmed 49:1210-3, 20 Sep 73 (Ger)

DRUG THERAPY

[Diseases of the gonads in childhood (author's transl)] Knorr D.
Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

ETIOLOGY

Inguinal and femoral hernia. Personal experience with 502 operations. Ljungdahl I.
Acta Chir Scand [Suppl] 1-81, 1973
Spermatic granuloma: the complication of vasectomy. Schmidt SS, et al.
Fertil Steril 24:941-7, Dec 73
Orchitis and testicular abscess formation as complications of Salmonella virchow gastroenteritis. Kostalas G, et al.
Med J Aust 2:769-70, 20 Oct 73
Vasectomy, vas ligation and vas occlusion. Klapproth HJ, et al.
Urology 1:292-300, Apr 73

FAMILIAL & GENETIC

[Mitotic and meiotic studies on 70 cases of male sterility (author's transl)] Laurent C, et al.
Andrologie 5:193-200, 1973 (Eng. Abstr.) (Fre)

SURGERY

[Diseases of the gonads in childhood (author's transl)] Knorr D.
Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

THERAPY

[Diseases of the gonads in childhood (author's transl)] Knorr D.
Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

TESTICULAR FEMINIZATION

[Genetic, endocrine and anatomohistological aspects of testicular feminization] Marsico S, et al.
Ann Ostet Ginecol Med Perinat 94:54-66, Jan 73 (Ita)

COMPLICATIONS

Incomplete testicular feminization syndrome with puberal virilization. Himathongkam T, et al.
Am J Obstet Gynecol 118:288-90, 15 Jan 74
[Morphological study of the gonads in a case of pseudohermaphroditism due to testicular feminization] Jimenez Cardoso JM, et al.
Rev Invest Clin 25:253-60, Jul-Sep 73 (Eng. Abstr.) (Spa)

DIAGNOSIS

Histochemical and hormonal aspects of testicular feminization. Tóth F, et al.
Endokrinologie 61:355-64, Jun 73

FAMILIAL & GENETIC

[Genetic, endocrine and anatomohistological aspects of testicular feminization] Marsico S, et al.
Ann Ostet Ginecol Med Perinat 94:54-66, Jan 73 (Ita)

TESTICULAR

METABOLISM

- The metabolism of testosterone by human skin in disorders of hair growth. Jenkins JS, et al.
J Endocrinol 59:345-51, Nov 73
 [Testicular feminization] Matsumoto K, et al.
Jap J Clin Med 31:2524-8, 10 Aug 73 (Jap)

PATHOLOGY

- Histochemical and hormonal aspects of testicular feminization. Tóth F, et al.
Endokrinologie 81:355-64, Jun 73
 [Morphological study of the gonads in a case of pseudohermaphroditism due to testicular feminization] Jiménez Cardoso JM, et al.
Rev Invest Clin 25:253-80, Jul-Sep 73 (Eng. Abstr.) (Spa)

SURGERY

- Incomplete testicular feminization syndrome with puberal virilization. Himathongkam T, et al.
Am J Obstet Gynecol 118:288-90, 15 Jan 74
 Histochemical and hormonal aspects of testicular feminization. Tóth F, et al.
Endokrinologie 81:355-64, Jun 73
 [Genetic, endocrine and anatomohistological aspects of testicular feminization] Marsico S, et al.
Ann Ostet Ginecol Med Perinat 94:54-88, Jan 73 (Ita)

TESTICULAR NEOPLASMS

- Proceedings: Diagnosis, staging, and natural history of testicular tumors. Borski AA. *Cancer* 32:1202-5, Nov 73
 Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1188-201, Nov 73
 Proceedings: Germinal testis tumors in adults. Whitmore WF Jr.
Proc Natl Cancer Conf 7:793-801, 1973 (85 ref.)
 Splenic-gonadal fusion. Heinemann S.
Urology 2:886-7, Dec 73
 [Malignant testicular tumors] Seljelid R, et al.
Tidsskr Nor Laegeforen 93:1945-8, 20 Sep 73 (Nor)

CHEMICALLY INDUCED

- [Character of oxidative and hydrolytic enzymes in cadmium-induced interstitial cell tumours of albino rats (author's transl)] Knorre D.
Arch Geschwulstforsch 42:127-34, 1973 (Eng. Abstr.) (Ger)

CLASSIFICATION

- Proceedings: Germinal testis tumors in adults. Whitmore WF Jr.
Proc Natl Cancer Conf 7:793-801, 1973 (85 ref.)

COMPLICATIONS

- Testicular neoplasms and concomitant clinical changes in the dog. Lipowitz AJ, et al.
J Am Vet Med Assoc 163:1364-8, 15 Dec 73
 Intrauterine insemination of husband's semen. Barwin BN. *J Reprod Fertil* 36:101-6, Jan 74
 Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73

DIAGNOSIS

- Proceedings: Diagnosis, staging, and natural history of testicular tumors. Borski AA. *Cancer* 32:1202-5, Nov 73
 Proceedings: Pediatric urologic cancer. Introduction to the panel on the diagnosis and treatment of cancer of the bladder and prostate. Murphy ML.
Cancer 32:1154-8, Nov 73
 [Alpha-fetoprotein in embryonal cell carcinoma of the testis] Schönfeld J, et al.
Harefuah 85:183-5, 15 Aug 73 (Eng. Abstr.) (Heb)
 [Primary testicular reticulosarcoma. Clinical contribution] Asole F, et al.
Minerva Chir 28:1197-206, 15 Sep 73 (Ita)
 [Malignant testicular tumors] Seljelid R, et al.
Tidsskr Nor Laegeforen 93:1945-8, 20 Sep 73 (Nor)

DRUG THERAPY

- Cis-diamminedichloroplatinum (NSC-119875): a phase I

GONADS

- study. Higby DJ, et al.
Cancer Chemother Rep 57:459-63, Nov-Dec 73
 Bleomycin--a new anticancer drug.
Med Lett Drugs Ther 15:102-4, 7 Dec 73
 Proceedings: Germinal testis tumors in adults. Whitmore WF Jr.
Proc Natl Cancer Conf 7:793-801, 1973 (85 ref.)
 Surgical management of testis tumor. Staubitz WJ, et al. *Trans Am Assoc Genitourin Surg* 65:113-20, 1973

ENZYMOLGY

- Serum ribonuclease in urologic cancer. Relation to host immunocompetence. Catalona WJ, et al.
Urology 2:577-81, Nov 73
 [Character of oxidative and hydrolytic enzymes in cadmium-induced interstitial cell tumours of albino rats (author's transl)] Knorre D.
Arch Geschwulstforsch 42:127-34, 1973 (Eng. Abstr.) (Ger)

ETIOLOGY

- Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK.
Cancer 32:1188-201, Nov 73

FAMILIAL & GENETIC

- Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK.
Cancer 32:1188-201, Nov 73
 Quinacrine fluorescence of testicular tumors. Khudr G, et al. *Urology* 2:162-4, Aug 73
 Chromosomal abnormalities in undescended testes. Mininberg DT, et al. *Urology* 1:98-101, Feb 73
 [Chromosomal variability and carcinogenesis] Pogoslants EE.
Vestn Akad Med Nauk SSSR 28:49-54, 1973 (Eng. Abstr.) (Rus)

IMMUNOLOGY

- Serum ribonuclease in urologic cancer. Relation to host immunocompetence. Catalona WJ, et al.
Urology 2:577-81, Nov 73
 Immunologic features of genitourinary cancer. Javadpour N. *Urology* 2:103-8, Aug 73 (49 ref.)
 Immunobiology of genitourinary tumors. Lange PH, et al. *Urology* 2:485-92, Nov 73 (83 ref.)

METABOLISM

- Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73

MORTALITY

- Teratomas in children: epidemiologic features. Fraumeni JF Jr, et al.
J Natl Cancer Inst 51:1425-30, Nov 73
 Rise in mortality from tumors of the testis in Japan, 1947-70. Lee HA, et al.
J Natl Cancer Inst 51:1485-90, Nov 73
 High incidence of tumours of testis in New Zealanders, both European and Maori. Petersen GR, et al.
NZ Med J 78:401-3, 14 Nov 73
 Identification of a favourable group of teratomas. Chapman RH, et al. *Proc R Soc Med* 66:1045-7, Oct 73
 [Radiation therapy of testicular tumors in children] Watari T. *Jap J Clin Radiol* 18:710-4, Oct 73 (Jap)

OCCURRENCE

- Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK.
Cancer 32:1188-201, Nov 73
 High incidence of tumours of testis in New Zealanders, both European and Maori. Petersen GR, et al.
NZ Med J 78:401-3, 14 Nov 73

PATHOLOGY

- A study on morphological changes in the testes of old albino rats. Lützen L, et al.
Beitr Pathol 149:377-85, Sep 73
 Proceedings: Diagnosis, staging, and natural history of testicular tumors. Borski AA. *Cancer* 32:1202-5, Nov 73
 Proceedings: Testicular tumors. Epidemiologic,

- etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73
- Proceedings: Germinal testis tumors in adults. Whitmore WF Jr. *Proc Natl Cancer Conf* 7:793-801, 1973 (85 ref.)
- Metastatic colonic carcinoma to epididymis. Burger R, et al. *Urology* 2:566-7, Nov 73
- Simultaneous adenomatoid tumors of epididymis and tunica vaginalis. Glover L, et al. *Urology* 2:192-5, Aug 73
- Splenic-gonadal fusion. Heinemann S. *Urology* 2:686-7, Dec 73
- Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73
- [Primary testicular reticulosarcoma. Clinical contribution] Asole F, et al. *Minerva Chir* 28:1197-206, 15 Sep 73 (Ita)
- [Differentiated teratoma of the testis in an infant] Horanský V, et al. *Cesk Pediatr* 28:618-9, Nov 73 (Eng. Abstr.) (Slo)

RADIOGRAPHY

- Funicular and pedal lymphography in testicular tumours. Huitén L, et al. *Acta Chir Scand* 139:746-58, 1973
- The lumbar lymphatics: a lymphographic study. Jackson BT. *Ann R Coll Surg Engl* 54:3-15, Jan 74
- Editorial: Comment on lymphography. Plehwe K. *Australas Radiol* 17:240-1, Sep 73

RADIOTHERAPY

- A quantitative study of late radiation effect on normal skin and subcutaneous tissues in human beings. Arcangeli G, et al. *Br J Radiol* 47:44-50, Jan 74
- Proceedings: Radiation therapy in malignant testis tumors. I: Seminoma; II: Carcinoma. Maier JG, et al. *Cancer* 32:1212-6, Nov 73
- Proceedings: Radiation therapy in malignant testis tumors. II: Carcinoma. Maier JG, et al. *Cancer* 32:1217-26, Nov 73
- Proceedings: Germinal testis tumors in adults. Whitmore WF Jr. *Proc Natl Cancer Conf* 7:793-801, 1973 (85 ref.)
- Identification of a favourable group of teratomas. Chapman RH, et al. *Proc R Soc Med* 66:1045-7, Oct 73
- Surgical management of testis tumor. Staibitz WJ, et al. *Trans Am Assoc Genitourin Surg* 65:113-20, 1973
- [Primary testicular reticulosarcoma. Clinical contribution] Asole F, et al. *Minerva Chir* 28:1197-206, 15 Sep 73 (Ita)
- [Radiation therapy of testicular tumors in children] Watari T. *Jap J Clin Radiol* 18:710-4, Oct 73 (Jap)

SURGERY

- Proceedings: Radiation therapy in malignant testis tumors. I: Seminoma; II: Carcinoma. Maier JG, et al. *Cancer* 32:1212-6, Nov 73
- Proceedings: Radiation therapy in malignant testis tumors. II: Carcinoma. Maier JG, et al. *Cancer* 32:1217-26, Nov 73
- Proceedings: Surgical treatment of non-seminomatous germinal testes tumors. Staibitz WJ, et al. *Cancer* 32:1206-11, Nov 73
- Operative and cytostatic treatment of germinal tumours of the testis. Vahlensieck W, et al. *Int Urol Nephrol* 5:85-95, Jan 73
- Proceedings: Germinal testis tumors in adults. Whitmore WF Jr. *Proc Natl Cancer Conf* 7:793-801, 1973 (85 ref.)
- Surgical management of testis tumor. Staibitz WJ, et al. *Trans Am Assoc Genitourin Surg* 65:113-20, 1973
- Metastatic colonic carcinoma to epididymis. Burger R, et al. *Urology* 2:566-7, Nov 73
- Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73
- [Retro- and intraperitoneal lymph fistula following semicastration and transperitoneal lymphadenectomy in testicular tumors (author's transl)] Vahlensieck W, et al. *Urol Int* 28:453-8, 1973 (Ger)
- [Primary testicular reticulosarcoma. Clinical contribution] Asole F, et al. *Minerva Chir* 28:1197-206, 15 Sep 73 (Ita)

THERAPY

- Operative and cytostatic treatment of germinal

- tumours of the testis. Vahlensieck W, et al. *Int Urol Nephrol* 5:85-95, Jan 73
- Proceedings: Germinal testis tumors in adults. Whitmore WF Jr. *Proc Natl Cancer Conf* 7:793-801, 1973 (85 ref.)
- [Primary testicular reticulosarcoma. Clinical contribution] Asole F, et al. *Minerva Chir* 28:1197-206, 15 Sep 73 (Ita)
- [Malignant testicular tumors] Seljelid R, et al. *Tidsskr Nor Laegeforen* 93:1945-8, 20 Sep 73 (Nor)

VETERINARY

- Testicular neoplasms and concomitant clinical changes in the dog. Lipowitz AJ, et al. *J Am Vet Med Assoc* 163:1364-8, 15 Dec 73

TESTIS

ABNORMALITIES

- Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. *J Clin Invest* 53:1-8, Jan 74
- Study of the incidence of hypospadias in Rochester, Minnesota, 1940-1970, and a case-control comparison of possible etiologic factors. Sweet RA, et al. *Mayo Clin Proc* 49:52-8, Jan 74
- Splenic-gonadal fusion. Heinemann S. *Urology* 2:686-7, Dec 73
- [The normal and disturbed prepuberal development of the human testis] Städtler F. *Veroeff Morphol Pathol* 92:1-127, 1973 (Eng. Abstr.) (Ger)
- [Clinical picture and pathogenesis of the obstructive azoospermia] Petres J, et al. *Z Hautkr* 48:801-7, 1 Oct 73 (61 ref.) (Ger)

INJURIES

- Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73
- Early histological changes in experimental contralateral epididymo-orchitis in the rabbit. Zappi E, et al. *J Reprod Fertil* 36:23-8, Jan 74
- Nonpenetrating testicular rupture. Talarico RD, et al. *Urology* 1:365-7, Apr 73
- [Autoimmune reactions to spermatozoa in cases of genital trauma and obstructive azoospermia. Spermagglutinins and autoantibodies identified by the indirect immunofluorescent technique (author's transl)] Haensch R. *Andrologie* 5:147-52, 1973 (Eng. Abstr.) (Ger)
- [Fertility and trauma (author's transl)] Niermann H, et al. *Andrologie* 5:163-7, 1973 (Eng. Abstr.) (Ger)
- [Clinical picture and pathogenesis of the obstructive azoospermia] Petres J, et al. *Z Hautkr* 48:801-7, 1 Oct 73 (61 ref.) (Ger)

TURNER'S SYNDROME

- [The state of the periodontium in patients with Shereshevsky-Turner syndrome] Ardabatskaja GA, et al. *Stomatologiya (Mosk)* 52:33-6, Nov-Dec 73 (Eng. Abstr.) (Rus)

CLASSIFICATION

- [Genital function in patients with gonadal dysgenesis of female phenotype] Genkova P, et al. *Akush Ginekoi (Sofia)* 12:289-93, 1973 (Eng. Abstr.) (Bul)

COMPLICATIONS

- The Ullrich-Noonan syndrome (Turner phenotype). Nora JJ, et al. *Am J Dis Child* 127:48-55, Jan 74
- Right aortic arch with coarctation of the aorta. Price HL, et al. *Chest* 65:110-2, Jan 74
- Endocrinopathy and IgA deficiency. Silver HK, et al. *Clin Immunol Immunopathol* 1:212-9, Jan 73
- [Conjunction of Turner's syndrome, atypical Rokitsky-Kuster-Hauser syndrome and Klippel-Fell syndrome] Hillemand B, et al. *Ann Med Interne (Paris)* 124:423-8, May 73 (Fre)
- [Turner's syndrome and schizophrenia. Apropos of a further case associating both disorders] Jullien P, et

- al.
Ann Med Interne (Paris) 124:571-5, Aug-Sep 73 (Fre)
 [Clinical studies on possible relation between disturbed sex hormone balance and gingival changes] Wilken J, et al.
Dtsch Stomatol 23:879-85, Sep 73 (Eng. Abstr.) (Ger)
 [Gynecography in gonadal dysgenesis for assessment of pelvic organs with reference to gonadal neoplasms] Haertel M, et al.
Helv Paediatr Acta 28:283-90, Oct 73 (Eng. Abstr.) (Ger)
 [Pituitary disorders; growth disturbances (author's transl)] Bierlich JR.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)

DIAGNOSIS

- The utilization of fluorescent microscopy in routine chromosome analysis. Cullen SJ.
J Am Med Wom Assoc 28:633-8, Dec 73
 Letter: Y-to-X translocation in a girl. Borgaonkar DS, et al. *Lancet* 1:88-9, 12 Jan 74
 [The author's method of functional loading with pituitary gonadotropins as a diagnostic method in gynecologic endocrinology] Markovskii N.
Akush Ginekol (Sofia) 12:316-21, 1973 (Eng. Abstr.) (Bul)
 [The practicing physician facing current problems in genetics] Juillard E, et al.
Rev Med Suisse Romande 93:655-68, Sep 73 (Fre)
 [Ulrich-Turner syndrome in the newborn] Colombo ML, et al.
Minerva Pediatr 25:1421-7, 6 Oct 73 (Eng. Abstr.) (Ita)

ENZYMOLOGY

- [Studies of marker of X chromosome.
 Glucose-6-phosphodehydrogenase (G-6-PD) in patients with gonadal dysgenesis] Neskromna U.
Endokrynol Pol 24:311-6, Jul-Aug 73 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

- Noonan syndrome and trisomy 21 mongolism in sibs. Bianchini JW. *Am J Dis Child* 126:823-6, Dec 73
 On the origin of 46,XX and 47,XXY males, 46,XY females and the position of the Xg locus. Côté GB.
Ann Hum Genet 37:21-30, Jul 73

- Endocrinopathy and IgA deficiency. Silver HK, et al.
Clin Immunol Immunopathol 1:212-9, Jan 73
 X-X translocation in a patient with Turner's syndrome. Van den Berghe H, et al.
Humangenetik 20:377-80, 20 Dec 73
 Letter: Isochromosome X associated with paracentric inversion. Yanagisawa S. *Lancet* 2:1448, 22 Dec 73

METABOLISM

- Gonadal dysgenesis: report of a case with biochemical, histochemical and chromosomal observations. Cohen MP, et al. *Am J Clin Pathol* 60:805-10, Dec 73

PATHOLOGY

- Gonadal dysgenesis: report of a case with biochemical, histochemical and chromosomal observations. Cohen MP, et al. *Am J Clin Pathol* 60:805-10, Dec 73
 [A case of 46-XY gonadal dysgenesis with female phenotype, ovarian rudiments and normal estrogen excretion] Palacios Mateos JM, et al.
Rev Clin Esp 131:145-8, 31 Oct 73 (Spa)

PHYSIOPATHOLOGY

- Serum thyrotrophin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al.
Clin Endocrinol (Oxf) 2:219-25, Jul 73

RADIOGRAPHY

- [Gynecography in gonadal dysgenesis for assessment of pelvic organs with reference to gonadal neoplasms] Haertel M, et al.
Helv Paediatr Acta 28:283-90, Oct 73 (Eng. Abstr.) (Ger)

THERAPY

- [Diseases of the gonads in childhood (author's transl)] Knorr D.
Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Ger)

GONADS

111. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

ANABOLIC STEROIDS

ADMINISTRATION & DOSAGE

- [Pathophysiological basis of the methods used to enhance the effect of parenteral nutrition] Glants RM, et al.
Probl Gematol Pereliv Krovi 18:59-63, Jul 73 (Eng. Abstr.) (Rus)
- [Complex treatment of patients with severe forms of alopecia areata by using the corticosteroid and anabolic hormones] Skripkin IuK, et al.
Sov Med 36:121-3, Feb 73 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

- Editorial: Liver tumours and steroid hormones.
Lancet 2:1481, 29 Dec 73
- [Cholestasis due to anabolic steroids] Horký J, et al.
Cesk Gastroenterol Vyz 27:548-50, Dec 73 (Cze)
- [Environmental influences and fertility of the male. Negative exogenous influences (author's transl)] Schirren C.
Andrologie 5:91-104, 1973 (32 ref.) (Eng. Abstr.) (Ger)
- [Letter: No increase of liver carcinoma following anabolic therapy] Mütting D.
Med Klin 68:1343, 12 Oct 73 (Ger)
- [Liver cancer following use of anabolic steroids?] Frey H.
Tidsskr Nor Laegeforen 93:2499-500, 10 Dec 73 (Nor)

CHEMICAL SYNTHESIS

- A Hansch analysis of the anabolic activities of some nandrolone esters. Chaudry AQ, et al.
J Med Chem 17:157-61, Feb 74

PHARMACODYNAMICS

- Rat muscle and organ weights after castration: the effects of anabolic steroids and exercise. Taylor AW, et al.
Endokrinologie 61:372-8, Jun 73
- A Hansch analysis of the anabolic activities of some nandrolone esters. Chaudry AQ, et al.
J Med Chem 17:157-61, Feb 74
- The effect of anabolic steroid upon skeletal muscle contractile force. Ariel G.
J Sports Med Phys Fitness 13:187-90, Sep 73
- [The production of reparative dentin in rat molars after administration of anabolic steroids] Brázda O.
Cesk Stomatol 73:360-4, Nov 73 (Eng. Abstr.) (Cze)
- [Therapeutic effect of the anabolic steroid, androstanozol, in patients with chronic gastritis] Trusov VV, et al.
Vrach Delo 8:39-42, Aug 73 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

- Postmenopausal osteoporosis. Gordan GS, et al.
Am Fam Physician 8:74-83, Dec 73
- Proceedings: Clinical and laboratory double-blind investigation on the effect of fibrinolytic therapy in patients with cutaneous vasculitis. Cunliffe WJ, et al.
Ann Rheum Dis 32:591-2, Nov 73
- Aplastic anemia: a study of 37 cases. Mehta BC, et al.
Indian J Med Sci 27:440-7, Jun 73
- [Idiopathic exudative gypoproteinemic enteropathy] Koev D, et al.
Vutr Boles 12:115-9, 1973 (Eng. Abstr.) (Bul)
- [Letter: No increase of liver carcinoma following anabolic therapy] Mütting D.
Med Klin 68:1343, 12 Oct 73 (Ger)
- [Treatment of underweight male patients following Billroth II gastric resections using diet and diet + anabolicsteroids + vitamin B 12] Zeltner G, et al.
Z Allgemeinmed 49:1238-9, 20 Sep 73 (Ger)
- [Effect of administration of anabolizing hormones on the development of genitals in girls. Preliminary report] Cieciorowska A, et al.
Pediatr Pol 48:1229-36, 1973 (Eng. Abstr.) (Pol)

- [Use of anabolic hormones and aminokrovin in children with chronic enterocolitis] Bodnia IA.
Probl Gematol Pereliv Krovi 18:8-11, Feb 73 (Eng. Abstr.) (Rus)
- [Pathophysiological basis of the methods used to enhance the effect of parenteral nutrition] Glants RM, et al.
Probl Gematol Pereliv Krovi 18:59-63, Jul 73 (Eng. Abstr.) (Rus)
- [Complex treatment of patients with severe forms of alopecia areata by using the corticosteroid and anabolic hormones] Skripkin IuK, et al.
Sov Med 36:121-3, Feb 73 (Eng. Abstr.) (Rus)
- [Therapeutic effect of the anabolic steroid, androstanozol, in patients with chronic gastritis] Trusov VV, et al.
Vrach Delo 8:39-42, Aug 73 (Eng. Abstr.) (Rus)

ANDROGENS

- Effect of dieldrin on the accumulation and biotransformation of radioactive testosterone by the mouse prostate gland. Thomas JA, et al.
Toxicol Appl Pharmacol 28:523-31, Dec 73

ANALYSIS

- Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Ganjam VK, et al.
Acta Endocrinol (Kbh) 74:186-200, Sep 73
- 5Alpha-dihydrotestosterone "receptor" in the rat hypothalamus. Kato J, et al.
Endocrinol Jap 20:429-32, Aug 73
- Proceedings: A cost reductive method for the radioimmunoassay of steroids and prostaglandins. Hennam JF, et al.
J Reprod Fertil 35:603-4, Dec 73
- [Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B.
Pol Tyg Lek 28:1327-8, 20 Aug 73 (17 ref.) (Pol)

ANTAGONISTS & INHIBITORS

- Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. Wieland RG, et al.
Am J Obstet Gynecol 117:983-6, 1 Dec 73
- Proceedings: Rationale and results of primary endocrine therapy in patients with prostatic cancer. Scott WW.
Cancer 32:1119-25, Nov 73
- An anti-androgen (cyproterone acetate) inhibits the pregnancy block in mice caused by the presence of strange males (Bruce-effect). Bloch S, et al.
J Endocrinol 59:365-6, Nov 73
- Influence of 6-azido and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta6-6-substituted progestational series. Teutsch G, et al.
J Med Chem 16:1370-6, Dec 73
- The effects of cholestyramine on prostatic function. Murphy GP, et al.
Res Commun Chem Pathol Pharmacol 6:1027-32, Nov 73
- [Self castration due to sadistic impulsive perversion, simultaneously a contribution to anti-androgen therapy] Schott G.
Psychiatr Neurol Med Psychol (Leipz) 25:435-42, Jul 73 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

- Proceedings: Regulation of human adrenal androstenedione synthesis in vitro. Deshpande N, et al.
J Endocrinol 59:xxxv, Nov 73
- Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al.
Obstet Gynecol 42:903-6, Dec 73
- [Steroid biosynthesis and secretion by the human testis] Vihko R.
Duodecim 89:1188-95, 1973 (Fin)

ANDROGENS

[Hirsutism] Baron J.
Endokrynol Pol 24:413-27, Nov-Dec 73 (Pol)

BLOOD

Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the hull. Ganjam VK, et al.
Acta Endocrinol (Kbh) 74:186-200, Sep 73
Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. Wieland RG, et al.
Am J Obstet Gynecol 117:983-6, 1 Dec 73
Androgen concentrations in the peripheral plasma of laying hens. Peterson AJ, et al.
Can J Zool 51:753-8, Jul 73
Proceedings: Circadian relationships of plasma androgen and cortisol levels. Tunbridge D, et al.
J Endocrinol 59:xxi, Nov 73

METABOLISM

Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. Wieland RG, et al.
Am J Obstet Gynecol 117:983-6, 1 Dec 73
Proceedings: Studies on the metabolism of the odoriferous ketones, 5 α -androst-16-en-3-one and androsta-4,16-dien-3-one, by the nasal epithelium of the mature and immature sow. Gennings JN, et al.
J Endocrinol 59:xxxvii, Nov 73
Metabolism of androgens in vitro by human facial and axillary skin. Hay JB, et al.
J Endocrinol 59:475-86, Dec 73
Androgen metabolism in the ventral sebaceous gland patch of the Mongolian gerbil. Hodgins MB, et al.
J Endocrinol 59:487-93, Dec 73
Proceedings: Studies on some effects of temperature on the blood-testis barrier in rats. Main SJ, et al.
J Reprod Fertil 35:587-8, Dec 73
FSH stimulation of testicular androgen binding protein. Hansson V, et al.
Nature [New Biol] 246:56-8, 14 Nov 73
Effect of dieldrin on the accumulation and biotransformation of radioactive testosterone by the mouse prostate gland. Thomas JA, et al.
Toxicol Appl Pharmacol 26:523-31, Dec 73
[Testicular feminization] Matsumoto K, et al.
Jap J Clin Med 31:2524-8, 10 Aug 73 (Jap)
[Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B.
Pol Tyg Lek 28:1327-8, 20 Aug 73 (17 ref.) (Pol)

PHARMACODYNAMICS

Fetal hormones, the brain, and human sex differences: a heuristic, integrative review of the recent literature. Reinisch JM.
Arch Sex Behav 3:51-90, Jan 74 (96 ref.)
Effects of several androgens and steroid metabolites on erythropoietin production in the isolated perfused dog kidney. Paulo LG, et al. Blood 43:39-47, Jan 74
Proceedings: The role of cyclic AMP in the action of androgens on rat ventral prostate gland. Mangan FR, et al. J Endocrinol 59:xvi-xvii, Nov 73
The influence of androgens on enzymes (chymotrypsin- and trypsin-like proteases, renin, kallikrein and amylase) and on cellular structure of the mouse submaxillary gland. Bhoola KD, et al.
J Physiol (Lond) 235:503-22, Dec 73
Inhibition of erythropoietin production by cyproterone acetate. Harvey SR, et al. Urology 1:121-4, Feb 73

PHYSIOLOGY

Sexuality and educational levels of women with the late-treated adrenogenital syndrome. Lev-Ran A.
Arch Sex Behav 3:27-32, Jan 74
Fetal hormones, the brain, and human sex differences: a heuristic, integrative review of the recent literature. Reinisch JM.
Arch Sex Behav 3:51-90, Jan 74 (96 ref.)
The hypothalamic-pituitary control of aging and age-related pathology. Everitt AV.
Exp Gerontol 8:265-77, Oct 73 (104 ref.)
Endocrinology of puberty. I. Normal sexual maturation. Root AW. J Pediatr 83:1-19, Jul 73 (111 ref.)
[Sex hormones] Sugawa T.
Clin Endocrinol (Tokyo) 21:805-12, Aug 73 (8 ref.) (Jap)

GONADS

[Hormonal differences during the prepubertal and pubertal periods] Berezikov LF, et al.
Vopr Okhr Materin Det 18:11-6, Jul 73 (Eng. Abstr.) (Rus)

SECRETION

Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. Lancet 2:1263-4, 1 Dec 73
Proceedings: Hypotheses regarding the etiology of breast cancer. Cole P.
Proc Natl Cancer Conf 7:657-61, 1973 (27 ref.)
[Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)
[Genetic, endocrine and anatomohistological aspects of testicular feminization] Marsico S, et al.
Ann Ostet Ginecol Med Perinat 94:54-66, Jan 73 (Ita)

THERAPEUTIC USE

Mesterolone in steatosis and cirrhosis of the liver. Figueroa RB.
Acta Hepatogastroenterol (Stuttgart) 20:282-90, Jul-Aug 73
Paroxysmal nocturnal hemoglobinuria in an identical twin. Freeman H, et al.
Can Med Assoc J 109:1002 passim, 17 Nov 73
Proceedings: Hormone-induced and spontaneous regression of metastatic renal cancer. Bloom HJ.
Cancer 32:1068-71, Nov 73
Proceedings: Chemotherapy of adenocarcinoma of the kidney. Talley RW. Cancer 32:1062-5, Nov 73
Colorectal endometriosis. Ponka JL, et al.
Dis Colon Rectum 16:490-9, Nov-Dec 73
Pure red cell aplasia in association with tuberculosis. Masawe AE, et al. East Afr Med J 50:340-3, Jul 73
Transsexualism. Montague DK.
Urology 2:1-12, Jul 73 (105 ref.)
[Treatment of the aplastic syndrome] Zach J.
Minerva Med 64:4009-12, 27 Oct 73 (Ita)
[System of treating climacteric dysfunctions of the ovaries] Bakerdzheva D.
Akush Ginekol (Mosk) 49:66-8, Aug 73 (Rus)

URINE

Non-specific factors that may influence significance of urinary steroid excretion in breast cancer. Durant JA, et al. Br Med J 4:767-70, 29 Dec 73
An evaluation of the androgenic activity in threatened abortion. Krawczuk A, et al.
Endokrinologie 61:161-7, May 73
[Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B.
Pol Tyg Lek 28:1327-8, 20 Aug 73 (17 ref.) (Pol)
[Hormonal activity of adrenal glands in patients with primary lesion of the hypothalamic region] Dobrin Blu, et al. Sov Med 36:8-11, Sep 73 (Eng. Abstr.) (Rus)

ANDROSTANES

A direct plasma testosterone radioimmunoassay. Castro A, et al. Experientia 29:1447-8, 15 Nov 73
HCG-receptor present in the gonadotrophin insensitive Leydig cell of the immature rat. Frowein J, et al.
Nature [New Biol] 246:148-50, 5 Dec 73

ADMINISTRATION & DOSAGE

On the mechanism of the onset of puberty: identification and pattern of 5 α -androstane-3 β , 17 β -diol and its 3 α epimer in peripheral blood of immature female rats. Eckstein B, et al.
Endocrinology 91:224-9, Jan 74

ANALYSIS

Ferric chloride-impregnated silica gel for thin-layer chromatography of steroids. Shapiro DR, et al.
Clin Chem 19:1305-6, Nov 73

BLOOD

On the mechanism of the onset of puberty: identification and pattern of 5 α -androstane-3 β , 17 β -diol and its 3 α epimer in peripheral blood of immature female rats. Eckstein B, et al.
Endocrinology 91:224-9, Jan 74

METABOLISM

- Detection of (3H)5 alpha-androstane-3 alpha,17 beta-diol and 3H17 beta hydroxy-5 alpha-androstan-3-one in mouse testes following administration of (3H) testosterone. Kasai H, et al. *Acta Endocrinol (Khh)* 74:177-85, Sep 73
- Specificity of the progesterone-binding globulin of the guinea pig. Tan SY, et al. *Endocrinology* 91:122-7, Jan 74
- Progesterone metabolism in vitro by mouse testes at different stages of development. Tsujimura T, et al. *Endocrinology* 91:288-90, Jan 74
- Microbiological hydroxylation of steroids. IX. Hydroxylation of diketones and keto-alcohols derived from 5 alpha-androstane with the fungi *Rhizopus arrhizus* and *Rhizopus circinnans*. Steroidal 18- and 19-proton magnetic resonance signals. Bell AM, et al. *J Chem Soc [Perkin I]* 19:2131-6, 1973
- Androgen metabolism in the skin of hirsute women. Thomas JP, et al. *J Clin Endocrinol Metab* 38:19-22, Jan 74
- The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossier G, et al. *J Reprod Fertil* 36:169-76, Jan 74
- The effect of parathion on the metabolism of 3H-testosterone by hepatic microsomal enzymes from the male mouse. Stevens JT. *Pharmacology* 10:220-5, 1973

PHARMACODYNAMICS

- On the mechanism of the onset of puberty: identification and pattern of 5 alpha-androstane-3 beta,17 beta-diol and its 3 alpha epimer in peripheral blood of immature female rats. Eckstein B, et al. *Endocrinology* 91:224-9, Jan 74
- Hormonal effects in vitro on ribonucleic acid polymerase in nuclei isolated from human prostatic tissue. Davies P, et al. *J Endocrinol* 59:367-8, Nov 73
- Proceedings: Effect of testosterone metabolites on sperm maturation in the epididymis of castrated hamsters. Lubicz-Nawrocki CM. *J Reprod Fertil* 35:588-9, Dec 73

THERAPEUTIC USE

- [Studies on the trypsin inhibitor in fresh semen related to the concentration of fructose (author's transl)] Buck C. *Andrologie* 5:23-36, 1973 (Eng. Abstr.) (Ger)
- [Examination of the pituitary-gonadal function ring using the synthetic LH-releasing hormone in patients with hypogonadism before and during therapy] Wagner H, et al. *Med Welt* 24:1537-9, 5 Oct 73 (Ger)

ANDROSTENEDIONE

- Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al. *Endocrinology* 91:1-16, Jan 74
- A general method of tritium labelling utilizing microwave discharge activation of tritium gas. Methodology and application to biological compounds. Hembree WC, et al. *J Biol Chem* 248:5532-40, 10 Aug 73
- Intracellular distribution and substrate specificity of the 16 alpha-hydroxylase in the adrenal of human fetus. Yamasaki H, et al. *Steroids* 22:637-58, Nov 73
- [The course of the transformation of steroid 3,5-dienamines with formaldehyde] Schneider F, et al. *Helv Chim Acta* 56:2396-404, Jul 73 (Eng. Abstr.) (Ger)

ANALYSIS

- Ferric chloride-impregnated silica gel for thin-layer chromatography of steroids. Shapiro DR, et al. *Clin Chem* 19:1305-6, Nov 73

BIOSYNTHESIS

- In vitro biosynthesis of androgens in canine testes. Oh R, et al. *Acta Endocrinol (Khh)* 74:615-24, Nov 73
- Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. Younglai EV. *Acta Endocrinol (Khh)* 74:775-82, Dec 73
- Proceedings: Regulation of human adrenal androstenedione synthesis in vitro. Deshpande N, et al. *J Endocrinol* 59:xxxv, Nov 73

- The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Rhamy RK, et al. *Steroids* 22:719-29, Nov 73

BLOOD

- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al. *Am J Obstet Gynecol* 117:976-82, 1 Dec 73
- Plasma testosterone and androstenedione after orchiectomy in prostatic adenocarcinoma. Sclarra F, et al. *Clin Endocrinol (Oxf)* 2:101-9, Apr 73
- A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al. *J Clin Endocrinol Metab* 38:126-33, Jan 74
- Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. Judd HL, et al. *J Clin Endocrinol Metab* 38:134-41, Jan 74
- Effect of luteinizing hormone-releasing factor on Leydig cell function. Judd HL, et al. *J Clin Endocrinol Metab* 38:8-13, Jan 74
- Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. *J Clin Invest* 53:1-6, Jan 74
- Peripheral plasma levels of testosterone, androstenedione, and oestradiol during the rat oestrous cycle. Dupon C, et al. *J Endocrinol* 59:653-4, Dec 73
- Proceedings: Circadian relationships of plasma androgen and cortisol levels. Tunbridge D, et al. *J Endocrinol* 59:xxi, Nov 73
- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al. *J Urol* 110:710-3, Dec 73
- The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Rhamy RK, et al. *Steroids* 22:719-29, Nov 73

CHEMICAL SYNTHESIS

- Some observations on the preparation of 2-hydroxy-steroid 4-en-3 ones. Burnett RD, et al. *J Chem Soc [Perkin I]* 17:1830-6, 1973

METABOLISM

- Detection of (3H)5 alpha-androstane-3 alpha,17 beta-diol and 3H17 beta hydroxy-5 alpha-androstan-3-one in mouse testes following administration of (3H) testosterone. Kasai H, et al. *Acta Endocrinol (Khh)* 74:177-85, Sep 73
- In vitro biosynthesis of androgens in canine testes. Oh R, et al. *Acta Endocrinol (Khh)* 74:615-24, Nov 73
- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al. *Am J Obstet Gynecol* 117:976-82, 1 Dec 73
- Conversion of androstenedione to estrone by neural tissues from fetal and neonatal rats. Reddy VV, et al. *Endocrinology* 91:117-21, Jan 74
- Localization of enzymes involved in testosterone biosynthesis by the mouse testis. Samuels LT, et al. *Endocrinology* 91:55-60, Jan 74
- Progesterone metabolism in vitro by mouse testes at different stages of development. Tsujimura T, et al. *Endocrinology* 91:288-90, Jan 74
- Metabolism of androgens in vitro by human facial and axillary skin. Hay JB, et al. *J Endocrinol* 59:475-86, Dec 73
- Androgen metabolism in the ventral sebaceous gland patch of the Mongolian gerbil. Hodgins MB, et al. *J Endocrinol* 59:487-93, Dec 73
- The metabolism of testosterone by human skin in disorders of hair growth. Jenkins JS, et al. *J Endocrinol* 59:345-51, Nov 73
- Dihydrotestosterone formation in vitro in the epididymis of the domestic fowl. Nakamura T, et al. *J Endocrinol* 59:651-2, Dec 73
- Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73
- The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossier G, et al. *J Reprod Fertil* 36:169-76, Jan 74

ANDROSTENEDIONE

In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. *Steroids* 22:731-45, Dec 73

PHARMACODYNAMICS

Hormonal effects in vitro on ribonucleic acid polymerase in nuclei isolated from human prostatic tissue. Davies P, et al. *J Endocrinol* 59:367-8, Nov 73
Response of rabbit testicular capsular contractions to testosterone, prostaglandin E₁ and isoproterenol in vitro and in vivo. Seeley RR, et al. *Proc Soc Exp Biol Med* 144:329-32, 1 Oct 73

SECRETION

Proceedings: Androstenedione: a secretory product of the Graafian follicle. Baird DT, et al. *J Endocrinol* 59:xxxvi, Nov 73

URINE

[Method for determination of testosterone and androstenedione in the urine] Korneev GIa. *Probl Endokrinol (Mosk)* 19:46-50, Nov-Dec 73 (Eng. Abstr.) (Rus)

ANDROSTENES

A direct plasma testosterone radioimmunoassay. Castro A, et al. *Experientia* 29:1447-8, 15 Nov 73

ANALYSIS

Endogenous steroid sulphates and glucuronides in the gallbladder bile from early and mid-term human fetuses. Huhtaniemi I. *J Endocrinol* 59:503-10, Dec 73

METABOLISM

Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. Denef C, et al. *J Endocrinol* 59:605-21, Dec 73
Proceedings: Studies on the metabolism of the odoriferous ketones, 5 α -androst-16-en-3-one and androsta-4,16-dien-3-one, by the nasal epithelium of the mature and immature sow. Gennings JN, et al. *J Endocrinol* 59:xxxvii, Nov 73
Metabolism of androgens in vitro by human facial and axillary skin. Hay JB, et al. *J Endocrinol* 59:475-86, Dec 73
Dihydrotestosterone formation in vitro in the epididymis of the domestic fowl. Nakamura T, et al. *J Endocrinol* 59:651-2, Dec 73

PHARMACODYNAMICS

Steroid 1-dehydrogenation and side-chain degradation enzymes in the life cycle of *Fusarium solani*. Hafez-Zedan H, et al. *Biochim Biophys Acta* 326:102-15, 17 Oct 73

ANDROSTENOLS

Preparation and properties of a cholesterol oxidase from *Nocardia* sp. and its application to the enzymatic assay of total cholesterol in serum. Richmond W. *Clin Chem* 19:1350-6, Dec 73
Convenient, high yield conversion of androst-5-ene-3 β -ol, 17 β -diol to dehydroisandroster-one. Hosoda H, et al. *J Org Chem* 38:4209-11, 30 Nov 73
[The effect of a spleen dialysate on the genital organs of the male rat. 1. Morphologic and enzyme histochemical studies] Breitenacker G, et al. *Andrologie* 4:363-74, 1972 (Eng. Abstr.) (Ger)

BLOOD

Radioimmunoassay method for six steroids in human plasma. Brenner PF, et al. *Steroids* 22:775-94, Dec 73

ISOLATION & PURIFICATION

Methandienone-I. A convenient method for the separation of 17 α -methyl-17 β -hydroxyandrosta-1,4-dien-3-one and 17 α -methyl-17 β -hydroxyandrost-1,4,6-trien-3-one. Lala AK, et al. *Steroids* 22:763-6, Dec 73

GONADS

PHARMACODYNAMICS

Effects of several androgens and steroid metabolites on erythropoietin production in the isolated perfused dog kidney. Paulo LG, et al. *Blood* 43:39-47, Jan 74
Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. *Gynecol Invest* 4:106-20, 1973
[The production of reparative dentin in rat molars after administration of anabolic steroids] Brázda O. *Cesk Stomatol* 73:360-4, Nov 73 (Eng. Abstr.) (Cze)

THERAPEUTIC USE

[Effect of administration of anabolizing hormones on the development of genitals in girls. Preliminary report] Ciecirowska A, et al. *Pediatr Pol* 48:1229-36, 1973 (Eng. Abstr.) (Pol)

URINE

Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy. Shackleton CH, et al. *Acta Endocrinol (Kbh)* 74:157-67, Sep 73

CHLORMADINONE

Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. *Gynecol Invest* 4:61-72, 1973

ADMINISTRATION & DOSAGE

Effect of contraception on lactation. Gulloff E, et al. *Am J Obstet Gynecol* 118:42-5, 1 Jan 74
Effect of chlormadinone acetate on water and sodium in cervical mucus. Kopito LE, et al. *Int J Fertil* 18:174-6, 1973
[Histomorphological investigations of endometrial carcinoma during progestational treatment with chlormadinone acetate (author's transl)] Boquiol E, et al. *Geburtshilfe Frauenheilkd* 33:697-708, Sep 73 (Eng. Abstr.) (Ger)
[Treatment of seborrhoeic conditions of the female scalp using modern combined peroral estrogen-gestagen preparations] Spirov G, et al. *Vestn Dermatol Venerol* 47:30-3, Jul 73 (Rus)

ADVERSE EFFECTS

[Changes in the heparinocyte count during intake of hormonal contraceptives] Frick G, et al. *Zentralbl Gynaekol* 95:1441-50, 12 Oct 73 (Eng. Abstr.) (Ger)
[Use of an oral contraceptive Femigen-Polfa by epileptic women] Roščalszewska D. *Neurol Neurochir Pol* 7:715-7, Sep-Oct 73 (Eng. Abstr.) (Pol)

ANALYSIS

The use of lecithin as a priming agent in gas liquid chromatography with electron capture detection at the picogram level. Leitch WE, et al. *Anal Biochem* 56:580-3, Dec 73

PHARMACODYNAMICS

Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Krishnan AR, et al. *Acta Endocrinol (Kbh)* 74:756-68, Dec 73
Effect of contraception on lactation. Gulloff E, et al. *Am J Obstet Gynecol* 118:42-5, 1 Jan 74
Effect of chlormadinone acetate on water and sodium in cervical mucus. Kopito LE, et al. *Int J Fertil* 18:174-6, 1973
Direct action of chlormadinone acetate on the testosterone secretion by the dog testis in vivo. Patrill de Lahorde N, et al. *Steroids Lipids Res* 4:113-8, Mar 73
[Histomorphological investigations of endometrial carcinoma during progestational treatment with chlormadinone acetate (author's transl)] Boquiol E, et al. *Geburtshilfe Frauenheilkd* 33:697-708, Sep 73 (Eng. Abstr.) (Ger)
[Effect of the synthetic gestagen

- chlormadinone-acetate on the estrus cycle in the mouse] Schüler L.
 Z Versuchstierkd 15:228-34, 1973 (Eng. Abstr.) (Ger)
 [Enzyme induction by drugs and hormonal contraception] Hempel E, et al.
 Zentralbl Gynaekol 95:1451-7, 12 Oct 73 (Eng. Abstr.) (Ger)
 [Protein metabolism in women using Femigen Polfa as peroral contraceptives] Firek A, et al.
 Ginekol Pol 44:1303-8, Nov 73 (Eng. Abstr.) (Pol)

THERAPEUTIC USE

- [Chlormadinone therapy of menstruation disorders] Stanev S, et al.
 Akush Ginekol (Sofia) 12:110-5, 1973 (Eng. Abstr.) (Bul)
 [Histomorphological investigations of endometrial carcinoma during progestational treatment with chlormadinone acetate (author's transl)] Boquol E, et al.
 Geburtshilfe Frauenheilkd 33:697-708, Sep 73 (Eng. Abstr.) (Ger)
 [Precocity (author's transl)] Helge H.
 Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)
 [Treatment of seborrheic conditions of the female scalp using modern combined peroral estrogen-gestagen preparations] Spilrov G, et al.
 Vestn Dermatol Venerol 47:30-3, Jul 73 (Rus)

CHLOROTRIANISENE

ADMINISTRATION & DOSAGE

- Effects of synthetic oral oestrogens in normal men and patients with prostatic carcinoma: lack of gonadotrophin suppression by chlorotrianisene.
 Baker HW, et al.
 Clin Endocrinol (Oxf) 2:297-308, Oct 73

PHARMACODYNAMICS

- Effects of synthetic oral oestrogens in normal men and patients with prostatic carcinoma: lack of gonadotrophin suppression by chlorotrianisene.
 Baker HW, et al.
 Clin Endocrinol (Oxf) 2:297-308, Oct 73

THERAPEUTIC USE

- Effects of synthetic oral oestrogens in normal men and patients with prostatic carcinoma: lack of gonadotrophin suppression by chlorotrianisene.
 Baker HW, et al.
 Clin Endocrinol (Oxf) 2:297-308, Oct 73

CLOMIPHENE

- Letter: Fertility drugs and the media. Stafford-Bell MA. Br Med J 4:548, 1 Dec 73

ADMINISTRATION & DOSAGE

- Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al.
 Fertil Steril 24:921-5, Dec 73

ADVERSE EFFECTS

- Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al.
 Fertil Steril 24:921-5, Dec 73
 Letter: Clomiphene and anencephalic births. Elwood JM. Lancet 1:31, 5 Jan 74

DIAGNOSTIC USE

- Immunochemical assay of follicle-stimulating and luteinizing hormone in the unconcentrated urine of sub- or infertile males. Mauss J, et al.
 Acta Endocrinol (Kbh) 74:631-41, Dec 73
 [Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al.
 Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

- Female endocrine control mechanisms during the neonatal period. 3. The effect of clomiphene citrate. Schulz KD, et al.
 Acta Endocrinol (Kbh) 74:144-56, Sep 73
 Stimulation of ovulation with F-6066 cyclofenil: his-(p-acetoxyphenyl)-cyclohexyldienemethane. Tojo S, et al.
 Acta Obstet Gynecol Scand 52:335-43, 1973
 Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al.
 Fertil Steril 24:921-5, Dec 73
 Letter: Clomiphene and anencephalic births. Elwood JM. Lancet 1:31, 5 Jan 74
 Plasma levels of luteinizing hormone and of immunoreactive oestrogens (oestradiol) in anorexia nervosa: response to clomiphene citrate. Beaumont PJ, et al.
 Psychol Med 3:495-501, Nov 73
 [Results of treatment of subfertile men with clomiphene citrate (author's transl)] Kern D, et al.
 Andrologie 5:59-72, 1973 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Amenorrhea following use of combined oral contraceptives. Furuholm M, et al.
 Acta Obstet Gynecol Scand 52:373-9, 1973
 Amenorrhoea after discontinuing combined oestrogen-progestogen oral contraceptives. Steele SJ, et al.
 Br Med J 4:343-5, 10 Nov 73
 The development and usage of clomiphene. Bowdler IM. Bristol Med Chir J 87:53-6, Oct 72 (13 ref.)
 Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al.
 Fertil Steril 24:921-5, Dec 73
 Occurrence of spontaneous second pregnancy after delivery of conceptions resulting from ovulation induced by various therapeutic modalities. Canales ES, et al.
 Int J Fertil 18:182-4, 1973
 Proceedings: Absent positive feedback of oestrogens: a cause of amenorrhoea in hypothalamic-pituitary disease. Marshall JC, et al.
 J Endocrinol 59:xxiv, Nov 73
 Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al.
 N Engl J Med 290:10-5, 3 Jan 74
 Plasma levels of luteinizing hormone and of immunoreactive oestrogens (oestradiol) in anorexia nervosa: response to clomiphene citrate. Beaumont PJ, et al.
 Psychol Med 3:495-501, Nov 73
 [Indication for Clomide treatment (author's transl)] Uhlir M, et al.
 Cesk Gynecol 38:625, Sep 73 (Cze)
 [Clomiphene test in amenorrhoea of mental anorexia (apropos of 26 cases)] Decourt J.
 Ann Med Interne (Paris) 124:641-5, Aug-Sep 73 (Fre)
 [Results of treatment of subfertile men with clomiphene citrate (author's transl)] Kern D, et al.
 Andrologie 5:59-72, 1973 (Eng. Abstr.) (Ger)
 [Galactorrhea during oral contraception] Sas M, et al.
 Zentralbl Gynaekol 95:1458-61, 12 Oct 73 (Eng. Abstr.) (Ger)
 [Cycle pattern and incidence of pregnancy following combined clomiphene-estrogen therapy] Zakut H, et al.
 Harefuah 85:311-4, 1 Oct 73 (Eng. Abstr.) (Heb)
 [Electroencephalography in male sterility] Zilberman A, et al.
 Harefuah 85:306-7, 1 Oct 73 (Eng. Abstr.) (Heb)
 [The Chiari-Frommel syndrome] Skalba H, et al.
 Ginekol Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)
 [Medical induction of ovulation. Report of 250 cases] Ruiz Velasco V.
 Ginecol Obstet Mex 34:417-28, Nov 73 (Eng. Abstr.) (Spa)
 [Our experience with clomifen of domestic production] Kliment V, et al.
 Cesk Gynecol 38:626-7, Sep 73 (Slo)

CONTRACEPTIVES, ORAL

- Contraceptive practices of white unmarried university students: the significance of four years at one university. Bauman KE, et al.
 Am J Obstet Gynecol 118:190-4, 15 Jan 74
 Contraception after abortion and post partum. An

- evaluation of risks and benefits of oral contraceptives with emphasis on the relation of female sex hormones to thromboembolism and genital and breast cancer. Vorberr H.
Am J Obstet Gynecol 117:1002-25, 1 Dec 73 (118 ref.)
- The potential for paramedical personnel in family planning. An analysis based on the Department of Health, Education, and Welfare 5-year Plan for Family Planning Services. Ostergard DR.
Am J Public Health 64:27-31, Jan 74
- Pregnancy outcome and fertility control in Aberdeen. Thompson B, et al. *Br J Prev Soc Med* 27:137-45, Aug 73
- Incidence of idiopathic venous thromboembolism in nurses. Ramsay LE, et al. *Br Med J* 4:446-8, 24 Nov 73
- Letter: Insurance and the pill.
Br Med J 4:241-2, 27 Oct 73
- Atomic absorption spectrometry of nickel, copper, zinc, and lead in sweat collected from healthy subjects during sauna bathing. Hobnadel DC, et al.
Clin Chem 19:1288-92, Nov 73
- Automated assay of hexosaminidases in serum. Lowden JA, et al. *Clin Chem* 19:1345-9, Dec 73
- The excretion of 17-deoxycorticosteroids by women pregnant with a normal or an anencephalic fetus. Oliver MJ, et al. *Clin Endocrinol (Oxf)* 2:227-32, Jul 73
- Oral contraceptives: a medical audit. Doll R.
Community Health (Bristol) 5:32-48, Jul-Aug 73
- Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. *Gynecol Invest* 4:61-72, 1973
- Evaluation of the five-year family planning plan. Bauman KE, et al. *Health Serv Rep* 88:814-7, Nov 73
- Sex differentials among family planning physicians in the Philippines. MacCorquodale DW.
Health Serv Rep 88:963-7, Dec 73
- Contraceptive usage among teenagers. Cooke CW.
J Am Med Wom Assoc 28:639-40 passim, Dec 73
- Horizontal tooth mobility and the menstrual cycle. Friedman LA. *J Periodont Res* 7:125-30, 1972
- General practitioners and contraception in 1970-71. Cartwright A, et al.
J R Coll Gen Pract 22:Suppl 2:1-31, Sep 72
- Variability of serum creatine phosphokinase activity in normal women and carriers of the gene for Duchenne muscular dystrophy. Perry TB, et al.
Neurology (Minneapolis) 23:1316-23, Dec 73
- Continuation rates, complaints and reasons for discontinuance relating to contraceptive pills: an Indian experience. Sakasena DN.
Yonsei Med J 13:35-9, 1972
- [Methods of contraception used in Czechoslovakia] Trča S.
Cesk Zdrav 21:515-8, Dec 73 (Eng. Abstr.) (Cze)
- [Psychosomatic aspects of contraception] Rímón R. *Duodecim* 89:1641-8, Oct 73 (66 ref.) (Fin)
- [Yeast vaginitis during sequential oral contraception (author's transl)] Elmer H.
Geburtshilfe Frauenheilkd 33:790-2, Oct 73 (Eng. Abstr.) (Ger)
- [A new preparation—minipill Exlutona] Bergsjö P. *Tidsskr Nor Lægeforen* 93:772, 20 Apr 73 (Nor)

ADMINISTRATION & DOSAGE

- Contraception after abortion and post partum. An evaluation of risks and benefits of oral contraceptives with emphasis on the relation of female sex hormones to thromboembolism and genital and breast cancer. Vorberr H.
Am J Obstet Gynecol 117:1002-25, 1 Dec 73 (118 ref.)
- The menstrual cycle in women treated with d-norgestrel 37.5 micrograms in continuous administration. Ferrari A, et al.
Int J Fertil 18:133-40, 1973
- Massive hyperlipemia during estrogen therapy. Molitch ME, et al. *JAMA* 227:522-5, 4 Feb 74
- Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al.
Obstet Gynecol 43:87-96, Jan 74
- [Effect of long-term administration of oral contraceptives on liver function] Fabian B, et al. *Cesk Gastroenterol Vyz* 27:552-4, Dec 73 (Cze)
- [Deep thrombophlebitis due to high doses of ovarian steroids used for contraception] Havránek F. *Cesk Gynecol* 38:702, Nov 73 (Cze)
- [Contraceptive preparations (author's transl)] Režábek K. *Cesk Gynecol* 38:609-10, Sep 73 (Cze)
- [The choice of contraceptive methods] Pulkkinen MO. *Duodecim* 89:1607-11, Oct 73 (Fin)

- [The general side effects of oral contraceptives] Pyörälä T. *Duodecim* 89:1626-35, Oct 73 (34 ref.) (Fin)
- [Mechanisms of action of oral contraceptives] Viikko R. *Duodecim* 89:1612-7, Oct 73 (14 ref.) (Fin)
- [Letter: Ovulation inhibitors in hemolytic anemia?] Benöhr HC.
Dtsch Med Wochenschr 98:2221, 16 Nov 73 (Ger)
- [Minipills—pregnancy] *Tidsskr Nor Lægeforen* 93:2499, 10 Dec 73 (Nor)
- [Use of an oral contraceptive Femigen-Polfa by epileptic women] Rościsławska D.
Neurol Neurochir Pol 7:715-7, Sep-Oct 73 (Eng. Abstr.) (Pol)

ADVERSE EFFECTS

- Unexplained fever: seven year experience. Eyckmans L, et al. *Acta Clin Belg* 28:232-7, Jul 73
- Amenorrhea following use of combined oral contraceptives. Furuhjelm M, et al.
Acta Obstet Gynecol Scand 52:373-9, 1973
- Safety aspects on long-term medication. Liljestrand A. *Acta Pharm Suec* 10:371-80, Nov 73
- Contraception after abortion and post partum. An evaluation of risks and benefits of oral contraceptives with emphasis on the relation of female sex hormones to thromboembolism and genital and breast cancer. Vorberr H.
Am J Obstet Gynecol 117:1002-25, 1 Dec 73 (118 ref.)
- Myocardial infarction and oral contraceptives. Kubik MM, et al. *Br Heart J* 35:1271-4, Dec 73
- evidence from research. **Oral CONTRACEPTIVES AND PSY.** *Br J Psychiatry* 123:513-8, Nov 73 (24 ref.)
- Thrombosis and oral contraceptives: possible predisposition. Astedt B, et al.
Br Med J 4:631-4, 15 Dec 73
- Letter: Oral contraceptives and thromboembolism. Bye P. *Br Med J* 4:354-5, 10 Nov 73
- Cryptogenic cerebral embolism in women taking oral contraceptives. Enzell K, et al.
Br Med J 4:507-12, 1 Dec 73
- Amenorrhoea after discontinuing combined oestrogen-progesterone oral contraceptives. Steele SJ, et al. *Br Med J* 4:343-5, 10 Nov 73
- Letter: Post-pill amenorrhoea.
Br Med J 4:672-3, 15 Dec 73
- Proceedings: Terminology, pathophysiology and preoperative investigations in renovascular hypertension. Ringoir S.
J Cardiovasc Surg (Torino) 14:673-7, Nov-Dec 73
- Oral contraceptives and folate absorption. Shojania AM, et al. *J Lab Clin Med* 82:869-75, Dec 73
- Massive hyperlipemia during estrogen therapy. Molitch ME, et al. *JAMA* 227:522-5, 4 Feb 74
- Megaloblastic changes in the cervical epithelium. Association with oral contraceptive therapy and reversal with folic acid. Whitehead N, et al.
JAMA 226:1421-4, 17 Dec 73
- Letter: Total and free plasma-tryptophan concentration and oral contraception. Coppen A, et al.
Lancet 2:1498, 29 Dec 73
- Letter: Liver-cell neoplasms and oral contraceptives. Lingeman CH. *Lancet* 1:64, 12 Jan 74
- Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. *Lancet* 2:1263-4, 1 Dec 73
- Editorial: Liver tumours and steroid hormones. *Lancet* 2:1481, 29 Dec 73
- Letter: Hyperlipidemia, contraceptives and pancreatitis. *N Engl J Med* 290:55-6, 3 Jan 74
- Influence of pregnancy and oral contraceptives on platelets in relation to coagulation and aggregation. Lecompte F, et al.
Thromb Diath Haemorrh 29:510-7, 10 May 73
- Toxicology and the environment. Worden AN.
Toxicology 1:2-27, Mar 73 (89 ref.)
- [Undesirable effects of steroid hormones in contraception (author's transl)] Fink Z, et al. *Cesk Gynecol* 38:612-5, Sep 73 (Cze)
- [Deep thrombophlebitis due to high doses of ovarian steroids used for contraception] Havránek F. *Cesk Gynecol* 38:702, Nov 73 (Cze)
- [Effect of chemical substances on the development of the foetus (author's transl)] Kučera J. *Cesk Gynecol* 38:580-2, Sep 73 (Cze)
- [Contraceptive pills and measurement of blood coagulation] Gormsen J.
Ugeskr Laeger 135:1084, 28 May 73 (Dan)
- [Gynecologic side effects of oral contraceptives] Hirvonen E. *Duodecim* 89:1618-25, Oct 73 (Fin)

- [The general side effects of oral contraceptives] Pyörälä T. *Duodecim* 89:1626-35, Oct 73 (34 ref.) (Fin)
- [Letter: Relative estrogen deficiency caused by contraceptives] Baller P. *Dtsch Med Wochenschr* 98:2162, 9 Nov 73 (Ger)
- [Psychosexual problems in gynaecology (author's transl)] Elcher W, et al. *Geburtshilfe Frauenheilkd* 33:732-6, Sep 73 (Eng. Abstr.) (Ger)
- [Effect of oral contraceptives on blood vessels and migraine (author's transl)] Carroll JD, et al. *Klin Monatsbl Augenheilkd* 163:212-5, Aug 73 (Eng. Abstr.) (Ger)
- [The eye and the pill (author's transl)] Corcelle L. *Klin Monatsbl Augenheilkd* 163:204-11, Aug 73 (Eng. Abstr.) (Ger)
- [Etiology and pathogenesis of toxic side-effects of drugs on the retina (author's transl)] Meler-Ruge W. *Klin Monatsbl Augenheilkd* 163:155-72, Aug 73 (Eng. Abstr.) (Ger)
- [Morphology and aetiology of the Budd-Chiari syndrome (author's transl)] Silens R, et al. *Munch Med Wochenschr* 115:1732-8, 5 Oct 73 (Eng. Abstr.) (Ger)
- [Hormonal contraceptives--psychosomatic aspects] Maass G. *Z Allgemeinmed* 49:1291-4, 30 Sep 73 (Ger)
- [Changes in the beryllinocyte count during intake of hormonal contraceptives] Frick G, et al. *Zentralbl Gynaekol* 95:1441-50, 12 Oct 73 (Eng. Abstr.) (Ger)
- [Enzyme induction by drugs and hormonal contraception] Hempel E, et al. *Zentralbl Gynaekol* 95:1451-7, 12 Oct 73 (Eng. Abstr.) (Ger)
- [Galactorrhea during oral contraception] Sas M, et al. *Zentralbl Gynaekol* 95:1458-61, 12 Oct 73 (Eng. Abstr.) (Ger)
- [Letter: Evaluation of the teratogenic and mutagenic effects of contraceptives] Domány Z, et al. *Orv Hetil* 114:3053, 16 Dec 73 (Hun)
- [Oral contraception in Hungary] Sas M. *Orv Hetil* 114:3011-14, 16 Dec 73 (Hun)
- [Amenorrhea following administration of oral contraceptives: "post-pill amenorrhea"] Sas M, et al. *Orv Hetil* 114:3016-21, 16 Dec 73 (Hun)
- [Letter: Laboratory follow-up of women taking contraceptives] Zental A, et al. *Orv Hetil* 114:3054, 16 Dec 73 (Hun)
- [Amenorrhea after stopping the pill] Bergsjö P. *Tidsskr Nor Laegeforen* 93:773-4, 20 Apr 73 (8 ref.) (Nor)
- [Oral contraceptives and stroke] Bergsjö P. *Tidsskr Nor Laegeforen* 93:2326, 10 Nov 73 (Nor)
- [Oral contraception and liver function] Bergsjö P. *Tidsskr Nor Laegeforen* 93:583-8, 30 Mar 73 (Eng. Abstr.) (Nor)
- [Vitamin B6--pyridoxine. Old and new information of biochemical and clinical interest] Naess K. *Tidsskr Nor Laegeforen* 93:2055-7, 30 Sep 73 (6 ref.) (Nor)
- [Skin reactions in connection with systemic administration of drugs] Naess K. *Tidsskr Nor Laegeforen* 93:2498-9, 10 Dec 73 (Nor)
- [Use of an oral contraceptive Femigen-Polfa by epileptic women] Rościszevska D. *Neurol Neurochir Pol* 7:715-7, Sep-Oct 73 (Eng. Abstr.) (Pol)
- [Cholestatic jaundice; oral anticonceptives (author's transl)] Bellido CA, et al. *Acta Gastroenterol Latinoam* 5:71-6, Apr-Jun 73 (Spa)

CHEMICAL SYNTHESIS

- Estrogenic triarylcylopropanes. Bedford GR, et al. *J Med Chem* 17:147-9, Jan 74

CLASSIFICATION

- [Our principles in the selection of steroid contraceptives (author's transl)] Dvořák K, et al. *Cesk Gynecol* 38:610-2, Sep 73 (Cze)

METABOLISM

- The effect of oral contraceptives on biochemistry "normal values". Wilson LM. *Can J Med Technol* 55:42-58, Dec 73
- Letter: Liver-cell neoplasms and oral contraceptives. Lingeman CH. *Lancet* 1:64, 12 Jan 74

PHARMACODYNAMICS

- Components of the kallikrein-kinin system and the spontaneous cold activation of factor VII in human plasma. Laake K, et al. *Acta Pharmacol Toxicol (Kbh)* 33:229-40, 1973
- Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74
- Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. *Br Med J* 1:11-3, 5 Jan 74
- The effect of oral contraceptives on biochemistry "normal values". Wilson LM. *Can J Med Technol* 55:42-58, Dec 73
- Reproducibility of oral glucose tolerance data in normal and mildly diabetic subjects. Harding PE, et al. *Clin Endocrinol (Oxf)* 2:387-95, Oct 73
- Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73
- Effect of oral contraceptives on drug metabolism. Carter DE, et al. *Clin Pharmacol Ther* 15:22-31, Jan 74
- Oral contraceptives and folate absorption. Sbojanla AM, et al. *J Lab Clin Med* 82:869-75, Dec 73
- Deficiency of antithrombin 3 activity associated with hereditary thrombosis tendency. Kaula E von, et al. *J Med (Basel)* 3:349-58, 1972
- Estrogenic triarylcylopropanes. Bedford GR, et al. *J Med Chem* 17:147-9, Jan 74
- The effect of oral contraceptives on serum copper levels in Nigerian women. Olatunbosun DA, et al. *J Obstet Gynaecol Br Commonw* 80:937-9, Oct 73
- Effect of contraceptive on the periodontal tissue of rats. Roth GD, et al. *J Periodont Res* 7:315-22, 1972
- Letter: Total and free plasma-tryptophan concentration and oral contraception. Coppen A, et al. *Lancet* 2:1498, 29 Dec 73
- Editorial: Liver tumours and steroid hormones. *Lancet* 2:1481, 29 Dec 73
- Effect of oral contraceptives on urinary metabolite excretions after administration of L-tryptophan or L-tryptophan sulfate. Leklem JE, et al. *Metabolism* 22:1499-505, Dec 73
- Letter: Twinning and oral contraceptives. Janerich DT. *N Engl J Med* 290:346, 7 Feb 74
- Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al. *Obstet Gynecol* 43:87-96, Jan 74
- Some effects of diet with oral contraceptives on carbohydrate:lipid metabolism in the baboon. Stovin V, et al. *Proc Nutr Soc* 32:34A-35A, May 73
- Bacteriuria in young women. Effect of estrogen, progestogen, and estrogen-progestogen combination. Corriere JN Jr, et al. *Urology* 2:539-41, Nov 73
- [Mechanisms of action of oral contraceptives] Vihko R. *Duodecim* 89:1612-7, Oct 73 (14 ref.) (Fin)
- [Histologic and radioautographic studies of the human endometrium under sequential oral contraceptive conditions (author's transl)] Kaltenbach FJ, et al. *Arch Gynaekol* 215:325-42, 1973 (Eng. Abstr.) (Ger)
- [Effect of hormone contraceptives on vaginal cytology] Erdmann G. *Fortschr Med* 91:1405-7, 20 Dec 73 (Ger)
- [Effect of oral contraceptives on blood vessels and migraine (author's transl)] Carroll JD, et al. *Klin Monatsbl Augenheilkd* 163:212-5, Aug 73 (Eng. Abstr.) (Ger)
- [Investigations on the influence of oral contraceptives on visual fields (author's transl)] Tiburtius HF. *Klin Monatsbl Augenheilkd* 163:215-6, Aug 73 (Eng. Abstr.) (Ger)
- [The influence of estrogen-gestagen combination preparations on carbohydrate and fat metabolism. II. The effect of Antigest] Göretzlehner G. *Zentralbl Gynaekol* 95:1265-71, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Enzyme induction by drugs and hormonal contraception] Hempel E, et al. *Zentralbl Gynaekol* 95:1451-7, 12 Oct 73 (Eng. Abstr.) (Ger)
- [The appearance of pregnancy typical proteins during the use of hormonal contraceptives] Straube W, et al. *Zentralbl Gynaekol* 95:1281-6, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Controlled studies on the efficacy of various hormonal treatments in suppression of lactation] Amorfini U, et al. *Ann Ostet Gynecol Med Perinat* 93:599-604, Aug 72 (Eng. Abstr.) (Ita)
- [Histomorphological modifications of the gingiva in rats treated with oestrogenic] Graziano V, et al.

CONTRACEPTIVES, ORAL

Minerva Stomatol 22:26-31, Jan-Feb 73 (Eng. Abstr.)

GONADS

- (Ita)
[Oral contraception and liver function] Bergsjo P.
Tidsskr Nor Laegeforen 93:583-8, 30 Mar 73 (Eng.
Abstr.) (Nor)
[Protein metabolism in women using Femigen Polfa as
peroral contraceptives] Firek A, et al.
Ginekol Pol 44:1303-8, Nov 73 (Eng. Abstr.) (Pol)

SUPPLY & DISTRIBUTION

- [Oral contraception in Hungary] Sas M.
Orv Hetil 114:3011-14, 16 Dec 73 (Hun)

CONTRACEPTIVES, POSTCOITAL

- Proceedings: The post-coital antifertility action of
2-Isopropylamino-ethanol in the rat. Swift PJ, et al.
J Reprod Fertil 35:625-6, Dec 73
Letter: The "morning after" pill. Briggs MH.
Med J Aust 2:910, 10 Nov 73

ADMINISTRATION & DOSAGE

- Bifunctional photobinding of psoralen to single
stranded nucleic acids. Shanklin D.
J Reprod Med 11:191, Nov 73

ADVERSE EFFECTS

- Letter: The "morning after" pill. Briggs MH.
Med J Aust 2:910, 10 Nov 73

PHARMACODYNAMICS

- The effects of ICI 46,474 on ovum transport and
implantation in the rat. Major JS, et al.
J Reprod Fertil 36:117-24, Jan 74
Bifunctional photobinding of psoralen to single
stranded nucleic acids. Shanklin D.
J Reprod Med 11:191, Nov 73
[On the mechanism of the contraceptive action of
oestrogens administered after ovulation (author's
transl)] Havránek F, et al.
Cesk Gynekol 38:617-9, Sep 73 (Cze)

CORPUS LUTEUM HORMONES

- [Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.)
(Eng. Abstr.) (Ger)

THERAPEUTIC USE

- [Indications of hormonal therapy in early pregnancy
(author's transl)] Dvořák K.
Cesk Gynekol 38:651-2, Nov 73 (Cze)

CRONOLONE

PHARMACODYNAMICS

- Effect of rams on progestin-treated ewes. Lewis PE, et
al. J Anim Sci 37:1195-200, Nov 73

CYPROTERONE

ADMINISTRATION & DOSAGE

- Effect of oral cyproterone acetate on urinary and
serum FSH and LH levels in adult males being treated
for hypersexuality. Brotherton J.
J Reprod Fertil 36:177-87, Jan 74
Inhibition of erythropoietin production by cyproterone
acetate. Harvey SR, et al. Urology 1:121-4, Feb 73

ADVERSE EFFECTS

- [Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.)
(Eng. Abstr.) (Ger)
[Androcur] Z Hautkr 48:819-20, 1 Oct 73 (Ger)

PHARMACODYNAMICS

- Peristaltic contractions of the murine urogenital sinus.
Cunha GR. Anat Rec 177:561-8, Dec 73
Effect of cyproterone and cyproterone acetate on
testicular function in the rat: a karyometric study.
Heinert G, et al. Endokrinologie 61:168-78, May 73

An anti-androgen (cyproterone acetate) inhibits the
pregnancy block in mice caused by the presence of
strange males (Bruce-effect). Bloch S, et al.
J Endocrinol 59:365-6, Nov 73

Influence of testosterone and cyproterone acetate on
the rate of mitosis in seminal vesicles of rats. Dahnke
HG, et al. J Endocrinol 59:535-8, Dec 73

Proceedings: Sex-hormone-binding globulin,
lutelizing hormone and testosterone in man: effects
of oestrogen and cyproterone acetate. Murray MA, et
al. J Endocrinol 59:xxi-xxii, Nov 73

Androgenic regulation of plasma prostaglandin F levels
in the rat. Barcikowski B, et al.
J Reprod Fertil 35:549-51, Dec 73

Carnitine and glycerylphosphorylcholine in the
reproductive tract of the male rat. Brooks DE, et al.
J Reprod Fertil 36:141-60, Jan 74

Effects of progesterone or cyproterone acetate on
androgen uptake in the brain, pituitary and peripheral
tissues. Sar M, et al.
Proc Soc Exp Biol Med 144:26-9, 1 Oct 73

Inhibition of erythropoietin production by cyproterone
acetate. Harvey SR, et al. Urology 1:121-4, Feb 73

[Self castration due to sadistic impulsive perversion,
simultaneously a contribution to anti-androgen
therapy] Schott G.
Psychiatr Neurol Med Psychol (Leipz) 25:435-42, Jul 73
(Eng. Abstr.) (Ger)

THERAPEUTIC USE

Proceedings: Rationale and results of primary
endocrine therapy in patients with prostatic cancer.
Scott WW. Cancer 32:1119-25, Nov 73

Effect of oral cyproterone acetate on urinary and
serum FSH and LH levels in adult males being treated
for hypersexuality. Brotherton J.
J Reprod Fertil 36:177-87, Jan 74

[Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.)
(Eng. Abstr.) (Ger)

[Androcur] Z Hautkr 48:819-20, 1 Oct 73 (Ger)

DIETHYLSTILBESTROL

Cold promoted activation of Factor VII. Occurrence
and relation to sex hormones and antifertility
compounds. Gjonnaess H. Gynecol Invest 4:61-72, 1973

Letter: The "morning after" pill. Briggs MH.
Med J Aust 2:910, 10 Nov 73

Effects of estrogen and progestogen on the
cardiovascular and endocrine systems of turkeys.
Simpson CF. Poultry Sci 52:1887-90, Sep 73

ADMINISTRATION & DOSAGE

Proceedings: The Veterans Administration
Cooperative Urological Research Group's studies of
cancer of the prostate. Byar DP.
Cancer 32:1126-30, Nov 73

Effects of synthetic oral oestrogens in normal men and
patients with prostatic carcinoma: lack of
gonadotrophin suppression by chlorotrialsene.
Baker HW, et al.

Clin Endocrinol (Oxf) 2:297-306, Oct 73

Effects of oestrogen administration on testosterone
metabolism in normal men. Clark AF, et al.

Clin Endocrinol (Oxf) 2:361-8, Oct 73

Physiological changes and blood lactic acid values in
beef steers fed DES under ad libitum, restricted and
compensatory conditions. Rumsey TS, et al.

J Anim Sci 37:1201-6, Nov 73

Comparison and characterization of nuclear isolation
procedures as applied to chick oviduct. Knowler JT, et
al. J Cell Biol 59:685-95, Dec 73

Effect of estrogens and a progestogen on platelet
adhesiveness and aggregation in rabbits. Mitchell HC.

J Lab Clin Med 83:79-89, Jan 74

Orchiectomy for advanced prostatic carcinoma. A
reevaluation. Blackard CE, et al.

Urology 1:553-60, Jun 73

ADVERSE EFFECTS

Proceedings: The Veterans Administration
Cooperative Urological Research Group's studies of
cancer of the prostate. Byar DP.

Cancer 32:1126-30, Nov 73

Editorial: Estrogens and the menopause. Kase N.
JAMA 227:318-9, 21 Jan 74

- Cancer and stilbestrol. A follow-up of 1,719 persons exposed to estrogens in utero and born 1943-1959. Lanier AP, et al. *Mayo Clin Proc* 48:793-9, Nov 73
 Letter: The "morning after" pill. Briggs MH. *Med J Aust* 2:910, 10 Nov 73
 A new method of inhibition of lactation. Llewellyn-Jones D, et al. *Med J Aust* 2:780-1, 20 Oct 73
 Clinical diagnosis of vaginal adenosis. Stafil A, et al. *Obstet Gynecol* 43:118-28, Jan 74
 [Effect of chemical substances on the development of the foetus (author's transl)] Kučera J. *Cesk Gynekol* 38:580-2, Sep 73 (Cze)
 [Use of an oral contraceptive Femigen-Polfa by epileptic women] Rościszewska D. *Neurol Neurochir Pol* 7:715-7, Sep-Oct 73 (Eng. Abstr.) (Pol)
 [Gynecomastia as a complication of estrogen therapy of prostatic cancer] Gudynski I, et al. *Urol Nefrol (Mosk)* 38:58-9, Mar-Apr 73 (Rus)

ANTAGONISTS & INHIBITORS

- [Effect of epiphyseal extracts in lowering the threshold sensitivity of the hypothalamo-hypophyseal system of old female rats to the action of estrogens] Anisimov VN, et al. *Dokl Akad Nauk SSSR* 213:483-5, 11 Nov 73 (Rus)

METABOLISM

- [Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskaja TA, et al. *Prohl Endokrinol (Mosk)* 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

- Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Krishnan AR, et al. *Acta Endocrinol (Khh)* 74:756-68, Dec 73
 Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. Harbitz TB. *Acta Pathol Microbiol Scand [A]* 81:301-14, May 73
 Testosterone binding in the chick oviduct. Harrison RW, et al. *Biochem Biophys Res Commun* 55:857-63, 10 Dec 73
 Proceedings: Inhibition of accumulation of adrenaline and noradrenaline in arterial smooth muscle by steroids. Nicol CJ, et al. *Br J Pharmacol* 44:361P-362P, Feb 72
 Effects of synthetic oral oestrogens in normal men and patients with prostatic carcinoma: lack of gonadotrophin suppression by chlorotrianisene. Baker HW, et al. *Clin Endocrinol (Oxf)* 2:297-306, Oct 73
 Effects of oestrogen administration on testosterone metabolism in normal men. Clark AF, et al. *Clin Endocrinol (Oxf)* 2:361-8, Oct 73
 Suppression of Plasmodium berghel parasitaemia and enhancement in survival by reticuloendothelial stimulation. Loose LD, et al. *Comp Gen Pharmacol* 4:201-7, Jun 73
 Hormonal effects on prostatic acid phosphatase synthesis in tissue culture. Ban RW, et al. *Invest Urol* 11:308-11, Jan 74
 Physiological changes and blood lactic acid values in beef steers fed DES under ad libitum, restricted and compensatory conditions. Rumsey TS, et al. *J Anim Sci* 37:1201-6, Nov 73
 The effect of stilboestrol analogues on the metabolism of steroids by the testis and prostate of the rat in vitro. Danutra V, et al. *J Endocrinol* 59:539-44, Dec 73
 Hormonal effects in vitro on ribonucleic acid polymerase in nuclei isolated from human prostatic tissue. Davies P, et al. *J Endocrinol* 59:367-8, Nov 73
 Proceedings: Effect of sex steroids on the pituitary responsiveness to synthetic luteinizing hormone releasing hormone in the male dog. Jones GE, et al. *J Endocrinol* 59:xv, Nov 73
 Effect of estrogens and a progestogen on platelet adhesiveness and aggregation in rabbits. Mitchell HC. *J Lab Clin Med* 83:79-89, Jan 74
 Proceedings: The effect of active immunization against oestradiol-17beta on plasma gonadotrophin concentrations in sheep. Pant HC, et al. *J Reprod Fertil* 35:610-1, Dec 73
 Bifunctional photobinding of psoralen to single

- stranded nucleic acids. Shanklin D. *J Reprod Med* 11:191, Nov 73
 A new method of inhibition of lactation. Llewellyn-Jones D, et al. *Med J Aust* 2:780-1, 20 Oct 73
 The effects of diethylstilboestrol on obesity in mice. Djazayeri A, et al. *Proc Nutr Soc* 32:32A-33A, May 73
 [On the mechanism of the contraceptive action of oestrogens administered after ovulation (author's transl)] Havránek F, et al. *Cesk Gynekol* 38:617-9, Sep 73 (Cze)
 [Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskaja TA, et al. *Prohl Endokrinol (Mosk)* 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Estrogen-dependent and independent renal tumors. G-6-PD and LDH isoenzyme analysis of estrogen-dependent and independent renal tumors of the Syrian hamster. Dodge AH. *Oncology* 28:253-9, 1973

THERAPEUTIC USE

- Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. Harbitz TB. *Acta Pathol Microbiol Scand [A]* 81:301-14, May 73
 Carcinoma of the prostate. Abercrombie GF. *Ann R Coll Surg Engl* 54:16-21, Jan 74
 Responses to erotic stimuli of transsexual and homosexual males. Barr RF. *Br J Psychiatry* 123:579-85, Nov 73
 Proceedings: The Veterans Administration Cooperative Urological Research Group's studies of cancer of the prostate. Byar DP. *Cancer* 32:1126-30, Nov 73
 Effects of synthetic oral oestrogens in normal men and patients with prostatic carcinoma: lack of gonadotrophin suppression by chlorotrianisene. Baker HW, et al. *Clin Endocrinol (Oxf)* 2:297-306, Oct 73
 An evaluation of the androgenic activity in threatened abortion. Krawczuk A, et al. *Endokrinologie* 61:161-7, May 73
 Cancer of the prostate in Oslo 1958-1967. Fryjordet A, et al. *J Oslo City Hosp* 23:129-37, Aug 73
 Fracture of the penis. Case report. Zenteno S. *Plast Reconstr Surg* 52:669-71, Dec 73
 The effects of diethylstilboestrol on obesity in mice. Djazayeri A, et al. *Proc Nutr Soc* 32:32A-33A, May 73
 Orchiectomy for advanced prostatic carcinoma. A reevaluation. Blackard CE, et al. *Urology* 1:553-60, Jun 73
 [In vitro-determination of the cytostatic sensitivity of malignant tumours (author's transl)] Stiller KJ, et al. *Arch Klin Exp Ohren Nasen Kehlkopfheilkd* 204:229-35, 12 Oct 73 (Eng. Abstr.) (Ger)
 [Use of an oral contraceptive Femigen-Polfa by epileptic women] Rościszewska D. *Neurol Neurochir Pol* 7:715-7, Sep-Oct 73 (Eng. Abstr.) (Pol)
 [Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskaja TA, et al. *Prohl Endokrinol (Mosk)* 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)
- ESTRADIOL**
- Lack of growth hormone-releasing activity of (pyro)Glu-Ser-Gly-NH₂. Schally AV, et al. *Biochem Biophys Res Commun* 55:556-62, 10 Dec 73
 Influence of hormones and chemical carcinogen on murine leukaemia. Karande KA, et al. *Br J Cancer* 28:299-309, Oct 73
 Nitrite-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA. *Clin Chem* 19:1293-5, Nov 73
 Protein incorporation by isolated amphibian oocytes. IV. The role of follicle cells and calcium during protein uptake. Wallace RA, et al. *Exp Cell Res* 82:287-95, Dec 73
 A direct plasma testosterone radioimmunoassay. Castro A, et al. *Experientia* 29:1447-8, 15 Nov 73
 Cold promoted activation of Factor VII. Occurrence

- and relation to sex hormones and antifertility compounds. Gjonnaess H. *Gynecol Invest* 4:61-72, 1973
- Proceedings: The effect of active immunization against oestradiol-17beta on plasma gonadotrophin concentrations in sheep. Pant HC, et al. *J Reprod Fertil* 35:610-1, Dec 73
- Selective deuterium labelling of steroidal estrogens. Block JH, et al. *Steroids* 22:591-8, Nov 73
- The influence of conjugated estrogens in radioimmunoassays using different antihodies against estradiol-17beta. Bollert B, et al. *Steroids* 22:891-4, Dec 73
- Hydrogen bonds between sexual hormones and nucleobases: NMR investigations. Schimmack W, et al. *Z Naturforsch [C]* 28:494-8, Sep-Oct 73

ADMINISTRATION & DOSAGE

- Sexual motivation in the female rat. A methodological study applied to the investigation of the effect of estradiol henzoate. Meyerson BJ, et al. *Acta Physiol Scand [Suppl]* 389:1-80, 1973
- The effect of estradiol replacement therapy on early pregnant luteotomized patients. Csapo AI, et al. *Am J Obstet Gynecol* 117:987-90, 1 Dec 73
- Hormonal influences in motility of canine uterine horns. Verma OP, et al. *Am J Vet Res* 35:23-6, Jan 74
- Effects of intraventricular norepinephrine and estradiol henzoate on weight regulatory behavior in female rats. Stern JJ, et al. *Behav Biol* 9:605-12, Nov 73
- Time course of weight increase of anterior pituitary and thyroxine binding to adenopituitary proteins after a single administration of estrogen. Schreiber V, et al. *Endocrinol Exp (Bratisl)* 7:301-6, 1973
- Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al. *Endocrinology* 91:198-206, Jan 74
- Male and female sexual responses in male rats given estradiol henzoate and 5 alpha-androstan-17 beta-ol-3-one propionate. Feder HH, et al. *Endocrinology* 91:136-41, Jan 74
- Changes in the sexual behaviour of male rhesus monkeys (*M. mulatta*) at puberty. Comparisons with the behaviour of adults. Michael RP, et al. *Folia Primatol (Basel)* 19:384-403, May 73
- Effect of actinomycin D on corpus luteum regression in ewes. French LR, et al. *J Anim Sci* 37:1218-21, Nov 73
- No effect of neonatal estrogenic stimulation or hypophysectomy on spontaneous activity in female rats. Stern JJ, et al. *J Comp Physiol Psychol* 85:409-12, Nov 73
- Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol henzoate. Mallampati RS, et al. *J Endocrinol* 59:209-18, Nov 73
- Proceedings: Concentrations of plasma LH and FSH in cycling ewes following a single injection of 17beta-oestradiol. Pant HC. *J Physiol (Lond)* 234:115P-116P, Oct 73
- Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73
- The influence of estradiol-17 beta dipropionate-progesterone ratios on uterine glycogen in the rat. Garrison BM, et al. *Steroids* 22:659-65, Nov 73
- [Treatment of the climacteric syndrome with a combination of estrone sulfate and estradiol. Preliminary report] Ruiz Moreno JA, et al. *Ginecol Obstet Mex* 34:273-9, Sep 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

- A new method of inhibition of lactation. Llewellyn-Jones D, et al. *Med J Aust* 2:780-1, 20 Oct 73

ANALYSIS

- Ovarian follicular estrogens in Angus heifers. England BG, et al. *J Anim Sci* 37:1176-9, Nov 73
- Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens,

- including studies in pruritus gravidarum. Adlercreutz H, et al. *J Clin Endocrinol Metab* 38:51-7, Jan 74
- Autoradiographic studies on (3H)estradiol localization in the blastocysts and uterus of rats during delayed implantation. Prasad MR, et al. *J Reprod Fertil* 36:75-81, Jan 74
- Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al. *Obstet Gynecol* 42:903-8, Dec 73
- Urinary and fecal excretion and incorporation of 14C-estradiol in fat depots of obese and lean rats. Innami S, et al. *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73
- Plasma levels of luteinizing hormone and of immunoreactive oestrogens (oestradiol) in anorexia nervosa: response to clomiphene citrate. Beumont PJ, et al. *Psychol Med* 3:495-501, Nov 73
- The influence of conjugated estrogens in radioimmunoassays using different antihodies against estradiol-17beta. Bollert B, et al. *Steroids* 22:891-4, Dec 73

ANTAGONISTS & INHIBITORS

- Inhibition by thyrocalcitonin of estrogen-induced bone resorption in the mouse pubic symphysis. Steinetz BG, et al. *Am J Pathol* 73:735-46, Dec 73
- Proceedings: Oestrogen binding to rabbit blastocysts and its possible role in implantation. Bullock DW, et al. *J Reprod Fertil* 35:614-5, Dec 73
- The quantity and estrogenic activity of F-2 toxin produced on different substrates. Kallela K, et al. *Nord Vet Med* 25:446-50, Sep 73
- The influence of estradiol-17 beta dipropionate-progesterone ratios on uterine glycogen in the rat. Garrison BM, et al. *Steroids* 22:659-65, Nov 73

BIOSYNTHESIS

- Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. Younglai EV. *Acta Endocrinol (Kbh)* 74:775-82, Dec 73
- Plasma levels of unconjugated estrogens in normal and diabetic pregnancies. De Hertogh R, et al. *Am J Obstet Gynecol* 117:1076-9, 15 Dec 73
- Production of estrogen in rat placenta studied by electron microscope autoradiography and histochemical analysis. Uchida K. *Arch Histol Jap* 36:57-71, Sep 73

BLOOD

- Peripheral plasma levels of estrone, estradiol-17beta and progesterone during ovulatory menstrual cycles in the rhesus monkey with special reference to the onset of menstruation. Bosu WT, et al. *Acta Endocrinol (Kbh)* 74:732-42, Dec 73
- Patterns of circulating estrone, estradiol-17beta and progesterone during pregnancy in the rhesus monkey. Bosu WT, et al. *Acta Endocrinol (Kbh)* 74:743-55, Dec 73
- Age related changes and interrelationships between plasma testosterone, estradiol and testosterone-binding globulin in normal adult males. Pirke KM, et al. *Acta Endocrinol (Kbh)* 74:792-800, Dec 73
- A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. Cohen M, et al. *Am J Obstet Gynecol* 118:200-9, 15 Jan 74
- The effect of estradiol replacement therapy on early pregnant luteotomized patients. Csapo AI, et al. *Am J Obstet Gynecol* 117:987-90, 1 Dec 73
- Plasma levels of unconjugated estrogens in normal and diabetic pregnancies. De Hertogh R, et al. *Am J Obstet Gynecol* 117:1076-9, 15 Dec 73
- Premature onset of menstrual bleeding during ovulatory cycles in women with an intrauterine contraceptive device. Nygren KG, et al. *Am J Obstet Gynecol* 117:971-5, 1 Dec 73
- Plasma human chorionic gonadotropin, estrone, estradiol, estril, progesterone, and 17 alpha-hydroxyprogesterone in human pregnancy. 3. Early normal pregnancy. Tulchinsky D, et al. *Am J Obstet Gynecol* 117:884-93, 1 Dec 73
- Plasma levels of estrogens during long-term treatment with depo-medroxyprogesterone acetate as a contraceptive agent. Jeppsson S, et al. *Contraception* 8:165-70, Aug 73

Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al. *Endocrinology* 91:198-206, Jan 74

Testosterone secretion by rabbit ovary in vivo. Hillard J, et al. *Endocrinology* 91:267-71, Jan 74

The relationship between progestins and gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Resko JA, et al. *Endocrinology* 91:128-35, Jan 74

Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle. Echtenkamp SE, et al. *J Anim Sci* 37:1362-70, Dec 73

Radioimmunoassay of estradiol-17beta without chromatography. England BG, et al. *J Clin Endocrinol Metab* 38:42-50, Jan 74

Measurement of plasma LH, FSH, estradiol and progesterone in disorders of the human menstrual cycle: the short luteal phase. Sherman BM, et al. *J Clin Endocrinol Metab* 38:89-93, Jan 74

Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. *J Clin Invest* 53:1-6, Jan 74

Proceedings: Androstenedione: a secretory product of the Graafian follicle. Baird DT, et al. *J Endocrinol* 59:xxxvi, Nov 73

Peripheral plasma levels of testosterone, androstenedione, and oestradiol during the rat estrous cycle. Dupon C, et al. *J Endocrinol* 59:653-4, Dec 73

Proceedings: Absent positive feedback of oestrogens: a cause of amenorrhoea in hypothalamic-pituitary disease. Marshall JC, et al. *J Endocrinol* 59:xxiv, Nov 73

Plasma oestradiol-17beta and its relationship to serum follicle-stimulating hormone in immature female rats. Melis-Roelofs HM, et al. *J Endocrinol* 59:295-304, Nov 73

Proceedings: Concentrations of oestradiol and luteinizing hormone in the peripheral plasma of the domestic fowl during the ovulatory cycle. Senior BE, et al. *J Endocrinol* 59:xliv, Nov 73

Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al. *J Obstet Gynaecol Br Commonw* 80:1095-9, Dec 73

Pro-estrous surge in plasma progesterone in the cow. Ayalon N, et al. *J Reprod Fertil* 36:239-43, Jan 74

Proceedings: The effect of HCG on follicular activity in the cow. Dohson H. *J Reprod Fertil* 35:605, Dec 73

Changes in the concentration of unconjugated oestrone, oestradiol-17alpha and oestradiol-17beta in the maternal plasma of the pregnant cow in relation to the initiation of parturition and lactation. Robertson HA. *J Reprod Fertil* 36:1-7, Jan 74

The concentration of unconjugated oestrone, oestradiol-17 alpha and oestradiol-17 beta in the maternal plasma of the pregnant ewe in relation to the initiation of parturition and lactation. Robertson HA, et al. *J Reprod Fertil* 35:461-8, Dec 73

Oestrogen-induced LH surges in the anoestrous and cyclic ewe. Symons AM, et al. *J Reprod Fertil* 35:569-71, Dec 73

Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al. *N Engl J Med* 290:10-5, 3 Jan 74

Blood disappearance rates of certain hormones and enzymes advocated as fetoplacental function tests. Crystle CD, et al. *Obstet Gynecol* 43:41-5, Jan 74

Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73

Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordane treatment. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:796-801, Dec 73

Plasma levels of luteinizing hormone and of immunoreactive oestrogens (oestradiol) in anorexia nervosa: response to clomiphene citrate. Beumont PJ, et al. *Psychol Med* 3:495-501, Nov 73

Radioimmunoassay method for six steroids in human plasma. Brenner PF, et al. *Steroids* 22:775-94, Dec 73

Plasma estradiol-17beta level in the domestic fowl. Schröcksnadel H, et al. *Steroids* 22:767-73, Dec 73

Plasma testosterone and estrogens in puertal gynecomastia. Bidingmaler F, et al. *Z Kinderheilkd* 115:89-94, 9 Aug 73

ISOLATION & PURIFICATION

The use of antisera covalently coupled to agarose, cellulose and sephadex in radioimmunoassay systems for proteins and haptens. Bolton AE, et al. *Biochim Biophys Acta* 329:318-30, 5 Dec 73

METABOLISM

Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Krishnan AR, et al. *Acta Endocrinol (Kbh)* 74:756-68, Dec 73

Endocrine and immunologic studies in breast cancer. Hoge AF, et al. *Am J Surg* 126:722-8, Dec 73

Testosterone binding in the chick oviduct. Harrison RW, et al. *Biochem Biophys Res Commun* 55:857-63, 10 Dec 73

A thin-layer gel filtration assay of cytoplasmic oestrogen receptors. A possible screening method for hormone dependent tumours. Gore-Langton RE, et al. *Br J Cancer* 28:310-5, Oct 73

Identification and partial characterization of specific estrogen receptors in the vole (*Microtus montanus*). Beers PC, et al. *Comp Biochem Physiol [B]* 46:647-52, Dec 73

Time course of weight increase of anterior pituitary and thyroxine binding to adenopituitary proteins after a single administration of estrogen. Schreiner V, et al. *Endocrinol Exp (Bratisl)* 7:301-6, 1973

Estrogen-sensitive cells. Hormone receptors in tumors and cells in culture. Meister J, et al. *Exp Cell Res* 81:447-52, Oct 73

Cellular and subcellular localization of 3H-estradiol or its metabolites in the pituitary of the neonatal female rat. Sheridan PJ, et al. *Experientia* 29:1418-9, 15 Nov 73

Whole mammary gland organ culture: selection of appropriate gland. Banerjee MR, et al. *In Vitro* 9:129-33, Sep-Oct 73

Estrogen receptor concentration in normal and pathological human uterine tissues. Evans LH, et al. *J Clin Endocrinol Metab* 38:23-32, Jan 74

Proceedings: Oestrogen binding to rabbit blastocysts and its possible role in implantation. Bullock DW, et al. *J Reprod Fertil* 35:614-5, Dec 73

Proceedings: Studies on some effects of temperature on the blood-testis barrier in rats. Main SJ, et al. *J Reprod Fertil* 35:587-8, Dec 73

Uptake of estradiol by the rat pineal organ. Effects of cervical sympathectomy, stage of the estrous cycle and estradiol treatment. Nagle CA, et al. *Life Sci* 13:1089-103, 16 Oct 73

Hormone dependence in breast cancer. McGuire WL, et al. *Metabolism* 23:75-100, Jan 74 (154 ref.)

Nuclear binding of steroid receptors: comparison in intact cells and cell-free systems. Higgins SJ, et al. *Proc Natl Acad Sci USA* 70:3415-8, Dec 73

Proceedings: Hormonal relations of endometrial cancer. Gusherg SD. *Proc Natl Cancer Conf* 7:213-7, 1973

Urinary and fecal excretion and incorporation of 14C-estradiol in fat depots of obese and lean rats. Innami S, et al. *Proc Soc Exp Biol Med* 144:220-4, 1 Oct 73

Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordane treatment. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:796-801, Dec 73

The effect of histamine on the earliest steps of oestrogen action. Castro-Vázquez A, et al. *Steroids Lipids Res* 4:105-12, Mar 73

Estrogen mercapturic acids in the adult male rat. Elce JS, et al. *Steroids* 22:699-705, Nov 73

The effect of thiazide diuretics on placental function. Shoemaker ES, et al. *Tex Med* 69:109-15, Oct 73

[Pregnational hormones and cancer of the endometrium] Lambotte R, et al. *Rev Med Liege* 28:662-7, Oct 73 (Fre)

[Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskaya TA, et al. *Probl Endokrinol (Mosk)* 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Krishnan AR, et al. *Acta Endocrinol (Kbh)* 74:756-68, Dec 73

Female endocrine control mechanisms during the neonatal period. 3. The effect of clomiphene citrate.

- Schulz KD, et al.
Acta Endocrinol (Kbh) 74:144-56, Sep 73
Effect on estradiol on the mouse female reproductive system in organ culture. Stadnicka A, et al.
Acta Histochem (Jena) 45:287-80, 1973
Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexyldienemethane.
Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973
Study on the hyaluronic acid-protein complex, the molecular size of hyaluronic acid and the exchangeability of chloride in skin of mice before and after oestrogen treatment. Grosman N.
Acta Pharmacol Toxicol (Kbh) 33:201-8, 1973
Effects of ovariectomy and oestradiol-17beta treatment on brain catecholamines in the rat. Endröczl E, et al.
Acta Physiol Acad Sci Hung 43:43-8, 1973
Sexual motivation in the female rat. A methodological study applied to the investigation of the effect of estradiol benzoate. Meyerson BJ, et al.
Acta Physiol Scand [Suppl] 389:1-80, 1973
Inhibition by thyrocalcitonin of estrogen-induced bone resorption in the mouse pubic symphysis. Steinmetz BG, et al. Am J Pathol 73:735-46, Dec 73
Hormonal influences in motility of canine uterine horns. Verma OP, et al. Am J Vet Res 35:23-6, Jan 74
Peristaltic contractions of the murine urogenital sinus. Cunha GR. Anat Rec 177:561-8, Dec 73
Scanning electron microscopy of the fimbriae and ampullae of rabbit oviducts. Rumery RE, et al. Anat Rec 178:83-101, Jan 74
The influence of immunosuppression and sex hormone manipulation on mammary tumorigenesis in the rat. Hunt PS, et al.
Aust J Exp Biol Med Sci 51:417-20, Jun 73
Effects of intraventricular norepinephrine and estradiol benzoate on weight regulatory behavior in female rats. Stern JJ, et al. Behav Biol 9:605-12, Nov 73
Accumulation of collagen in the uterus of the immature rat administered estradiol-17 beta. Salvador RA, et al. Biochem Pharmacol 22:37-46, 1 Jan 73
The effect of glucose ingestion on basal and induced enzyme levels in rat tissues. Greengard O, et al. Biochim Biophys Acta 329:241-50, 5 Dec 73
Effect of age of the rat on induction of acetylcholinesterase of the brain by 17 beta-estradiol. Moudgil VK, et al.
Biochim Biophys Acta 329:211-20, 5 Dec 73
Estrogen-induced differentiation of the oviductal epithelium in prepubertal dogs. Verhage HG, et al. Biol Reprod 9:475-88, Dec 73
Proceedings: Inhibition of accumulation of adrenaline and noradrenaline in arterial smooth muscle by steroids. Nicol CJ, et al.
Br J Pharmacol 44:361P-362P, Feb 72
Pontine unit responses to genital stimulation in estrous and anestrous cats. Rose JD.
Brain Res 62:291-6, 9 Nov 73
Effects of 7, 12-dimethylbenz(a)anthracene and estrogen on the transplantation and growth of a rat pituitary tumor. Fang VS, et al.
Cancer Res 34:225-9, Jan 74
Protective effect of benzoflavone and estrogen against 7,12-dimethylbenz(a)anthracene- and aflatoxin-induced cytotoxicity in cultured liver cells. Schwartz AG. Cancer Res 34:10-5, Jan 74
Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. Faglia G, et al.
Clin Endocrinol (Oxf) 2:207-10, Jul 73
Effects of estradiol and testosterone on the immature female chicken (Gallus domesticus). II. Immunodiffusional patterns of yolk lipoproteins in the liver and plasma. Yu JY, et al.
Comp Biochem Physiol [B] 46:759-67, Dec 73
Effects of estradiol and testosterone on the immature female chicken (Gallus domesticus). I. Quantitative changes in nucleic acids, proteins and lipids in the liver. Yu JY, et al.
Comp Biochem Physiol [B] 46:749-57, Dec 73
Time course of weight increase of anterior pituitary and thyroxine binding to adenopituitary proteins after a single administration of estrogen. Schreiner V, et al. Endocrinol Exp (Bratisl) 7:301-6, 1973
Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. Endocrinol Jap 20:335-44, Jun 73
Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74
Male and female sexual responses in male rats given estradiol benzoate and 5 alpha-androstan-17 beta-ol-3-one propionate. Feder HH, et al.
Endocrinology 91:136-41, Jan 74
Sex-dependent changes in rat retinal hydroxyindole-O-methyl transferase. Nagle CA, et al.
Endocrinology 91:294-7, Jan 74
Estrogen-progesterone interactions in uterus and brain of intact and adrenalectomized immature and adult rats. Whalen RE, et al. Endocrinology 91:214-23, Jan 74
Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. Gynecol Invest 4:106-20, 1973
Studies on host-flea relationship. II. Sex hormones of the host and fecundity of rat flea Xenopsylla astla (Rothschild) and Xenopsylla cheopis (Rothschild) (Siphonaptera). Prasad RS.
Indian J Med Res 61:38-44, Jan 73
Studies on autonomic nervous influence on the vascular response to oxytocin. Devi KS, et al.
Indian J Med Sci 27:456-60, Jun 73
Hormonal effects on prostatic acid phosphatase synthesis in tissue culture. Ban RW, et al.
Invest Urol 11:308-11, Jan 74
Effect of actinomycin D on corpus luteum regression in ewes. French LR, et al. J Anim Sci 37:1218-21, Nov 73
Deoxyribonucleic acid and ribonucleic acid synthesis during phosvitin induction by 17beta-estradiol in immature chicks. Jost JP, et al.
J Biol Chem 248:5262-6, 10 Aug 73
No effect of neonatal estrogenic stimulation or hypophysectomy on spontaneous activity in female rats. Stern JJ, et al.
J Comp Physiol Psychol 85:409-12, Nov 73
The effect of stilboestrol analogues on the metabolism of steroids by the testis and prostate of the rat in vitro. Danutra V, et al. J Endocrinol 59:539-44, Dec 73
Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. Denef C, et al. J Endocrinol 59:605-21, Dec 73
Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
Progesterone and oestrogen and the initiation of lactation in ewes. Hartmann PE, et al.
J Endocrinol 59:249-59, Nov 73
Proceedings: Effect of sex steroids on the pituitary responsiveness to synthetic luteinizing hormone releasing hormone in the male dog. Jones GE, et al.
J Endocrinol 59:xv, Nov 73
Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol benzoate. Mallampati RS, et al. J Endocrinol 59:209-16, Nov 73
Metabolism of RNA and pyrimidine nucleotides in the uterus during the early decidual cell reaction. Miller BG. J Endocrinol 59:275-83, Nov 73
Pituitary secretion of prolactin, luteinizing hormone and follicle-stimulating hormone in adult female rats treated neonatally with oestrogen. Nagasawa H, et al.
J Endocrinol 59:599-604, Dec 73
Reflex activation of paraventricular nucleus units during the reproductive cycle and in ovariectomized rats treated with oestrogen or progesterone. Negoro H, et al. J Endocrinol 59:559-67, Dec 73
The role of electrolytes of the endometrium and uterine fluid during delayed implantation in rats. Setty BS, et al. J Endocrinol 59:461-4, Dec 73
Studies on differentiation of Müllerian ducts in the quail, Coturnix coturnix japonica. 1. Collagen synthesis during duct differentiation. Yamamoto M, et al. J Exp Zool 187:13-26, Jan 74
Effect of estrogens and a progestogen on platelet adhesiveness and aggregation in rabbits. Mitchell HC. J Lab Clin Med 83:79-89, Jan 74
Effect of various steroids and ACTH on distribution of zoxazolamine in rats. Kourounakis P, et al.
J Pharm Sci 62:1946-9, Dec 73
Proceedings: Uptake of (L)-noradrenaline in the isolated cat heart perfused with blood containing desmethylimipramine (DMI) and 17-beta-oestradiol (17betaO). Blakeley AG, et al.
J Physiol (Lond) 234:108P-109P, Oct 73
Proceedings: Concentrations of plasma LH and FSH in cycling ewes following a single injection of

- 17beta-oestradiol. Pant HC.
J Physiol (Lond) 234:115P-116P, Oct 73
 Proceedings: Pregnancy in the infant rabbit. Abbott M.
J Reprod Fertil 35:620-1, Dec 73
 Proceedings: Asynchronous egg transfer in the rabbit.
 Adams CE. *J Reprod Fertil* 35:613-4, Dec 73
 Studies on sperm capacitation. I. The relationship
 between a guinea-pig sperm-coating antigen and a
 sperm capacitation phenomenon. Aonuma S, et al.
J Reprod Fertil 35:425-32, Dec 73
 Oestradiol-17beta: its influence on cyclic 3'5'-adenosine
 monophosphate phosphodiesterase and
 5'-nucleotidase in the cervicovaginal epithellum of
 neonatal mice. Higazi MG, et al.
J Reprod Fertil 36:135-9, Jan 74
 Increased LH-suppressing effect of oestrogen in
 ovariectomized rats as a result of underfeeding.
 Howland BE, et al. *J Reprod Fertil* 35:545-8, Dec 73
 Proceedings: Follicle growth initiation in the immature
 mouse ovary: extraovarian or intraovarian control?
 Peters H, et al. *J Reprod Fertil* 35:619-20, Dec 73
 Proceedings: Cyclical activity of ovarian transplants in
 neonatally castrated male rats. Schoot P van der.
J Reprod Fertil 35:581-2, Dec 73
 Oestrogen-induced LH surges in the anoestrous and
 cyclic ewe. Symons AM, et al.
J Reprod Fertil 35:569-71, Dec 73
 Uptake of estradiol by the rat pineal organ. Effects of
 cervical sympathectomy, stage of the estrous cycle
 and estradiol treatment. Nagle CA, et al.
Life Sci 13:1089-103, 16 Oct 73
 A new method of inhibition of lactation.
 Llewellyn-Jones D, et al. *Med J Aust* 2:780-1, 20 Oct 73
 Synergistic effects of oestrogen and progesterone on
 ovomucoid and conalbumin mRNA synthesis in chick
 oviduct. Palminter RD, et al.
Nature [New Biol] 246:74-6, 21 Nov 73
 The quantity and estrogenic activity of F-2 toxin
 produced on different substrates. Kallela K, et al.
Nord Vet Med 25:446-50, Sep 73
 Multiple progesterone injections and the duration of
 estrus in ovariectomized guinea pigs. Morin LP, et al.
Physiol Behav 11:861-5, Dec 73
 Steroid pellets and venous diameter in
 ovariectomized, ovariectomized, and
 ovariectomized-hysterectomized mice. Forbes TR, et al.
Proc Soc Exp Biol Med 144:356-8, 1 Oct 73
 Stimulation of in vitro 3H-uridine uptake and RNA
 synthesis in mouse blastocysts by 17beta-estradiol.
 Lau NJ, et al. *Proc Soc Exp Biol Med* 144:333-6, 1 Oct 73
 Effect of sex and sex hormones on plasma prothrombin
 and vitamin K deficiency. Matsubara JT, et al.
Proc Soc Exp Biol Med 144:316-20, 1 Oct 73
 Potentiation of luteinizing hormone-releasing factor
 activities following pentobarbital anesthesia in the
 steroid-blocked castrated rat. Wedig JH, et al.
Proc Soc Exp Biol Med 144:993-8, Dec 73
 Effects of estrogen treatment on the oophorectomized
 female rat aorta. Wolinsky H.
Proc Soc Exp Biol Med 144:864-7, Dec 73
 Compensatory ovulation after unilateral ovariectomy
 in immature rats primed with gonadotropins. Ying SY,
 et al. *Proc Soc Exp Biol Med* 144:22-5, 1 Oct 73
 Estrogen receptor-anti-estrogen complex: atypical
 binding by uterine nuclei and effects on uterine
 growth. Clark JH, et al. *Steroids* 22:707-18, Nov 73
 The influence of estradiol-17 beta
 dipropionate-progesterone ratios on uterine glycogen
 in the rat. Garrison BM, et al.
Steroids 22:859-65, Nov 73
 In vitro effects of estrogens on rat prostatic 5
 alpha-reduction of testosterone. Lee DK, et al.
Steroids 22:877-85, Nov 73
 [Long-term administration of oestrogens in elderly
 women (author's transl)] Cupr Z, et al. (Cze)
Cesk Gynekol 38:632-3, Sep 73
 [Comparative study of several types of treatment of
 the menopausal syndrome (author's transl)] Kóiblová
 V, et al. *Cesk Gynekol* 38:629-30, Sep 73 (Cze)
 [Effect of estrogens on some indices of the adrenal
 cortex function in women with ovarian insufficiency]
 Bobrovskala TA, et al.
Probl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Eng.
 Abstr.) (Rus)

PHYSIOLOGY

- The effect of estradiol replacement therapy on early
 pregnant luteotomized patients. Csapo AI, et al.
Am J Obstet Gynecol 117:987-90, 1 Dec 73

- [Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.)
 (Eng. Abstr.) (Ger)

SECRETION

- [Effect of hypophysectomy on the secretion of
 estrogens by the embryonic gonads of female ducks]
 Akram H, et al.
Gen Comp Endocrinol 21:543-6, Dec 73 (Eng. Abstr.)
 (Fre)

THERAPEUTIC USE

- The effect of estradiol replacement therapy on early
 pregnant luteotomized patients. Csapo AI, et al.
Am J Obstet Gynecol 117:987-90, 1 Dec 73
 Whole mammary gland organ culture: selection of
 appropriate gland. Banerjee MR, et al.
In Vitro 9:129-33, Sep-Oct 73
 Cancer of the prostate in Oslo 1958-1967. Fryjordet A, et al.
J Oslo City Hosp 23:129-37, Aug 73
 Metabolic and genetic studies of a family with ornithine
 transcarbamylase deficiency. Goldstein AS, et al.
Pediatr Res 8:5-12, Jan 74
 [Estrogenic and antineoplastic activity of a series of
 transformed analogs of estrone and estradiol]
 Sorokina IB, et al.
Izv Akad Nauk SSSR [Biol] 5:664-70, Set-Oct 73 (Eng.
 Abstr.) (Rus)
 [Effect of estrogens on some indices of the adrenal
 cortex function in women with ovarian insufficiency]
 Bobrovskala TA, et al.
Probl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Eng.
 Abstr.) (Rus)
 [Treatment of the climacteric syndrome with a
 combination of estrone sulfate and estradiol.
 Preliminary report] Ruiz Moreno JA, et al.
Ginecol Obstet Mex 34:273-9, Sep 73 (Eng. Abstr.)
 (Spa)

URINE

- Androgens in breast cancer. II. Endometrial
 adenocarcinoma and breast cancer in married
 postmenopausal women. Grattarola R, et al.
Am J Obstet Gynecol 118:173-8, 15 Jan 74
 Steroid estrogen conjugates of bens' urine:
 identification of radioactive
 estrone-beta-glucuronide, estradiol-17
 beta-3-beta-glucuronide, estradiol-17
 alpha-3-beta-glucuronide, estradiol-17
 beta-3-sulphate and estradiol-17 alpha-3-sulphate
 estrone sulphate, as metabolites of injected
 (14C)estrone. Robinson AR, et al.
Biochim Biophys Acta 326:93-102, 17 Oct 73
 A comparison of a manual and a simple automated
 technique for the estimation of total oestrogens in
 pregnancy urine. Corns MD, et al.
Clin Chim Acta 48:335-40, 30 Oct 73
 Recurrent jaundice in pregnancy. IV. Quantitative
 determination of urinary and biliary estrogens,
 including studies in pruritus gravidarum. Adiercreutz
 H, et al. *J Clin Endocrinol Metab* 38:51-7, Jan 74
 Urinary and fecal excretion and incorporation of
 14C-estradiol in fat depots of obese and lean rats.
 Innami S, et al.
Proc Soc Exp Biol Med 144:220-4, 1 Oct 73
 Estrogen mercapturic acids in the adult male rat. Elce
 JS, et al. *Steroids* 22:699-705, Nov 73
 [Excretion of the urinary unconjugated estrogens
 during the menstrual cycle, the pregnancy, and after
 HCG and HMG stimulation (author's transl)]
 Desfosses B, et al.
Steroids Lipids Res 4:86-97, Mar 73 (Eng. Abstr.) (Fre)

ESTRANES

- Selective deuterium labeling of steroidal estrogens.
 Block JH, et al. *Steroids* 22:591-6, Nov 73

CHEMICAL SYNTHESIS

- Some observations on the preparation of
 2-hydroxy-steroid 4-en-3 ones. Burnett RD, et al.
J Chem Soc [Perkin I] 17:1830-6, 1973

METABOLISM

- Specificity of the progesterone-binding globulin of the

ESTRANES

guinea pig. Tan SY, et al.
Endocrinology 91:122-7, Jan 74

THERAPEUTIC USE

Proceedings: Cancer of the prostate. Murphy GP.
Cancer 32:1089-91, Nov 73

ESTRIOL

Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.
Clin Chem 19:1293-5, Nov 73

A new approach for quantitative evaluation of cross-reactivity of steroids with an antiserum by radioimmunoassay: application to a highly specific antiestriol. Lauzon S de, et al.
Steroids 22:747-61, Dec 73

ANALYSIS

Ovarian follicular estrogens in Angus heifers. England BG, et al. J Anim Sci 37:1176-9, Nov 73

A new approach for quantitative evaluation of cross-reactivity of steroids with an antiserum by radioimmunoassay: application to a highly specific antiestriol. Lauzon S de, et al.
Steroids 22:747-61, Dec 73

[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P.
Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

BIOSYNTHESIS

Production of estrogen in rat placenta studied by electron microscope autoradiography and biochemical analysis. Uchida K.
Arch Histol Jap 36:57-71, Sep 73

BLOOD

Plasma concentration and protein binding of oestriol and its conjugates in pregnancy. Goebelsmann U, et al.
Acta Endocrinol (Kbh) 74:592-604, Nov 73

Serum unconjugated estriol in normal and abnormal pregnancy. Cleary RE, et al.

Am J Obstet Gynecol 118:18-24, 1 Jan 74
A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. Cohen M, et al.
Am J Obstet Gynecol 118:200-9, 15 Jan 74

Plasma human chorionic gonadotropin, estrone, estradiol, estriol, progesterone, and 17 alpha-hydroxyprogesterone in human pregnancy. 3. Early normal pregnancy. Tulchinsky D, et al.
Am J Obstet Gynecol 117:884-93, 1 Dec 73

A simplified radioimmunoassay of human gravid plasma estriol. Den K, et al.
Endocrinol Jap 20:315-22, Jun 73

Proceedings: Plasma estriol in unsuccessful pregnancy. Masson GM.
J Endocrinol 59:xxiv-xxv, Nov 73

Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al.

J Obstet Gynaecol Br Commonw 80:1095-9, Dec 73
Blood disappearance rates of certain hormones and enzymes advocated as fetoplacental function tests. Crystle CD, et al. Obstet Gynecol 43:41-5, Jan 74

[Radioimmunoassay of sex steroid hormones. 3. Radioimmunoassay of estriol] Yoshida T, et al.
Clin Endocrinol (Tokyo) 21:747-52, Jul 73 (Jap)

[A simplified radioimmunoassay for the measurement of plasma estriol in pregnant women (author's transl)] Makino T, et al.
Jap J Clin Pathol 21:858-62, Oct 73 (Jap)

METABOLISM

Estriol metabolism in the baboon: analysis of urinary and biliary metabolites. Musey PI, et al.
Steroids 22:795-817, Dec 73

[Progesterational hormones and cancer of the endometrium] Lambotte R, et al.
Rev Med Liege 28:662-7, Oct 73 (Fre)

PHARMACODYNAMICS

Hormonal effects on prostatic acid phosphatase

GONADS

synthesis in tissue culture. Ban RW, et al.
Invest Urol 11:308-11, Jan 74

Progesterone and oestrogen and the initiation of lactation in ewes. Hartmann PE, et al.
J Endocrinol 59:249-59, Nov 73

In vitro effects of estrogens on rat prostatic 5 alpha-reduction of testosterone. Lee DK, et al.
Steroids 22:677-85, Nov 73

URINE

Evaluation of urinary estriol concentration utilizing unified urine specific gravity. Yamaguchi R, et al.
Acta Obstet Gynaecol Jap 19:166-70, Jul 72

The placenta and newborn infant in hypertensive conditions. Cibils LA.

Am J Obstet Gynecol 118:256-70, 15 Jan 74
Serum copper in normal and complicated pregnancies compared with urinary oestrogens. Ylöstalo P, et al.
Ann Chir Gynaecol Fenn 62:117-20, 1973

A comparison of a manual and a simple automated technique for the estimation of total oestrogens in pregnancy urine. Corns MD, et al.
Clin Chim Acta 48:335-40, 30 Oct 73

Oestrogen determination in pregnancy urine using enzymatic hydrolysis of oestrogen conjugates. Crowley MF, et al. Clin Chim Acta 49:115-22, 23 Nov 73

Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens, including studies in pruritus gravidarum. Adlercreutz H, et al. J Clin Endocrinol Metab 38:51-7, Jan 74

Estriol-creatinine ratio in normal pregnancy. Anuman-Rajadon Y.
J Med Assoc Thai 56:558-61, Sep 73

Urinary cyclic AMP excretion in toxemia of pregnancy. Raji K, et al.

Scand J Clin Lab Invest 32:193-7, Nov 73
A study of maternal urinary level of estriol related to fetal malnutrition. Adachi T, et al.

Z Geburtshilfe Perinatol 177:295-9, Aug 73
[Excretion of the urinary unconjugated estrogens during the menstrual cycle, the pregnancy, and after HCG and HMG stimulation (author's transl)]

Desfosses B, et al.
Steroids Lipids Res 4:86-97, Mar 73 (Eng. Abstr.) (Fre)

[Urinary estriol in Rh immunization] Mello G, et al.
Ann Ostet Ginecol Med Perinat 94:44-53, Jan 73 (Eng. Abstr.) (Ita)

ESTROGENIC SUBSTANCES, CONJUGATED

ADMINISTRATION & DOSAGE

Postmenopausal osteoporosis. Gordan GS, et al.
Am Fam Physician 8:74-83, Dec 73

Effect of estrogens and a progestogen on platelet adhesiveness and aggregation in rabbits. Mitchell HC.
J Lab Clin Med 83:79-89, Jan 74

Effect of estrogens on the mast cell degranulating action of compound 48-80. Ambrus MS, et al.
J Med (Basel) 3:321-5, 1972

ADVERSE EFFECTS

Massive hyperlipemia during estrogen therapy. Molitch ME, et al. JAMA 227:522-5, 4 Feb 74

Surgically confirmed gallbladder disease, venous thromboembolism, and breast tumors in relation to postmenopausal estrogen therapy. A report from the Boston Collaborative Drug Surveillance Program, Boston University Medical Center.
N Engl J Med 290:15-9, 3 Jan 74

BLOOD

Plasma concentration and protein binding of oestriol and its conjugates in pregnancy. Goebelsmann U, et al.
Acta Endocrinol (Kbh) 74:592-604, Nov 73

PHARMACODYNAMICS

Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. Wleland RG, et al.
Am J Obstet Gynecol 117:983-6, 1 Dec 73

Effect of estrogens and a progestogen on platelet adhesiveness and aggregation in rabbits. Mitchell HC.
J Lab Clin Med 83:79-89, Jan 74

- Effect of estrogens on the mast cell degranulating action of compound 48-80. Ambrus MS, et al. *J Med (Basel)* 3:321-5, 1972
- The effect of oxytocin on renal blood flow and its distribution in the dog. Barnes AB. *Nephron* 11:40-57, 1973
- The quantity and estrogenic activity of F-2 toxin produced on different substrates. Kallela K, et al. *Nord Vet Med* 25:446-50, Sep 73
- Effect of sex and sex hormones on plasma prothrombin and vitamin K deficiency. Matschner JT, et al. *Proc Soc Exp Biol Med* 144:316-20, 1 Oct 73

THERAPEUTIC USE

- Postmenopausal osteoporosis. Gordan GS, et al. *Am Fam Physician* 8:74-83, Dec 73
- Surgically confirmed gallbladder disease, venous thromboembolism, and breast tumors in relation to postmenopausal estrogen therapy. A report from the Boston Collaborative Drug Surveillance Program, Boston University Medical Center. *N Engl J Med* 290:15-9, 3 Jan 74
- Estrogen in the treatment of cerebral thrombosis. McClure CC Jr. *Nurs Dig* 1:44-50, Mar 73
- Effect of exogenous oestrogens on minor psychiatric symptoms in postmenopausal women. George GC, et al. *S Afr Med J* 47:2387-8, 15 Dec 73
- [Management of climacteric disorders in clinical practice] Lauritzen C. *Z Allgemeinmed* 49:1376-9, 20 Oct 73 (Ger)

ESTROGENS

- Proceedings: Effects of antibody to oestrogen and of sodium pentobarbitone on protein metabolism in the brain and anterior pituitary, and on luteinizing hormone levels during the oestrous cycle in the rat. Haar MB ter, et al. *J Endocrinol* 59:xii-xlii, Nov 73
- A human cell line from a pleural effusion derived from a breast carcinoma. Soule HD, et al. *J Natl Cancer Inst* 51:1409-16, Nov 73
- The influence of conjugated estrogens in radioimmunoassays using different antibodies against estradiol-17 β . Bollert B, et al. *Steroids* 22:891-4, Dec 73
- [Letter: Relative estrogen deficiency caused by contraceptives] Baller P. *Dtsch Med Wochenschr* 98:2162, 9 Nov 73 (Ger)
- [Viruses and mammary cancer. A survey (author's transl)] Ulvund MJ. *Nord Vet Med* 25:451-63, Sep 73 (71 ref.) (Eng. Abstr.) (Nor)

ADMINISTRATION & DOSAGE

- evidence from research. Oral CONTRACEPTIVES AND PSY. *Br J Psychiatry* 123:513-8, Nov 73 (24 ref.)
- Letter: Oral contraceptives and thromboembolism. Bye P. *Br Med J* 4:354-5, 10 Nov 73
- Effect of repeated injections of oestrogen on uterine glycogen. Bo WJ, et al. *J Endocrinol* 59:381-2, Nov 73
- Bifunctional photobinding of psoralen to single stranded nucleic acids. Shanklin D. *J Reprod Med* 11:191, Nov 73
- Editorial: Estrogens and the menopause. Kase N. *JAMA* 227:318-9, 21 Jan 74
- Cancer and stilbestrol. A follow-up of 1,719 persons exposed to estrogens in utero and born 1943-1959. Lanier AP, et al. *Mayo Clin Proc* 48:793-9, Nov 73
- [Glucose-6-phosphatase activity of the liver in pregnant rats, fetuses and placentas following glucose loading and estrogen administration] Klutukchiev B, et al. *Akush Ginekoi (Sofia)* 12:284-8, 1973 (Eng. Abstr.) (Bul)
- [The general side effects of oral contraceptives] Pyörälä T. *Duodecim* 89:1626-35, Oct 73 (34 ref.) (Fin)

ADVERSE EFFECTS

- Letter: Oral contraceptives and thromboembolism. Bye P. *Br Med J* 4:354-5, 10 Nov 73
- Amenorrhoea after discontinuing combined oestrogen-progestogen oral contraceptives. Steele SJ, et al. *Br Med J* 4:343-5, 10 Nov 73
- Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in

- anovulatory cycles. Pollak A, et al. *Fertil Steril* 24:921-5, Dec 73
- Letter: Postmenopausal vaginal bleeding during estrogen therapy. Marshall BR. *JAMA* 227:76-7, 7 Jan 74
- Massive hyperlipemia during estrogen therapy. Molltch ME, et al. *JAMA* 227:522-5, 4 Feb 74
- Letter: Liver-cell neoplasms and oral contraceptives. Lingeman CH. *Lancet* i:64, 12 Jan 74
- Cancer and stilbestrol. A follow-up of 1,719 persons exposed to estrogens in utero and born 1943-1959. Lanier AP, et al. *Mayo Clin Proc* 48:793-9, Nov 73
- Editorial: Gallstones and estrogens. Ingelfinger FJ. *N Engl J Med* 290:51-2, 3 Jan 74
- Surgically confirmed gallbladder disease, venous thromboembolism, and breast tumors in relation to postmenopausal estrogen therapy. A report from the Boston Collaborative Drug Surveillance Program, Boston University Medical Center. *N Engl J Med* 290:15-9, 3 Jan 74
- [Gynecologic side effects of oral contraceptives] Hirvonen E. *Duodecim* 89:1618-25, Oct 73 (Fin)
- [The general side effects of oral contraceptives] Pyörälä T. *Duodecim* 89:1626-35, Oct 73 (34 ref.) (Fin)
- [Effect of oral contraceptives on blood vessels and migraine (author's transl)] Carroll JD, et al. *Klin Monatsbl Augenheilkd* 163:212-5, Aug 73 (Eng. Abstr.) (Ger)
- [Carcinoma of the breast under estrogen-treatment for prostatic carcinoma (author's transl)] Bülow H, et al. *Urologe [A]* 12:249-53, Sep 73 (Eng. Abstr.) (Ger)
- [Intra- and extracellular electrolyte concentration of estrogen therapy on patients with carcinoma of the prostate (author's transl)] Kunze U, et al. *Urologe [A]* 12:274-7, Sep 73 (Eng. Abstr.) (Ger)
- [Oral contraceptives and stroke] Bergsjö P. *Tidsskr Nor Laegeforen* 93:2326, 10 Nov 73 (Nor)
- [Oral contraception and liver function] Bergsjö P. *Tidsskr Nor Laegeforen* 93:583-8, 30 Mar 73 (Eng. Abstr.) (Nor)
- [Treatment of prostatic cancer] Sander S. *Tidsskr Nor Laegeforen* 93:1943-5, 20 Sep 73 (Nor)
- [Prophylactic irradiation of the breast for the prevention of gynecomastia during the hormonal therapy of prostatic cancer] Unger G, et al. *Urol Nefrol (Mosk)* 38:42-3, Mar-Apr 73 (Eng. Abstr.) (Rus)

ANALYSIS

- Is estrogenic activity present in hops? Fenselau C, et al. *Food Cosmet Toxicol* 11:597-603, Aug 73
- Ovarian follicular estrogens in Angus heifers. Garland BG, et al. *J Anim Sci* 37:1176-9, Nov 73
- Evaluation of gas chromatographic-mass spectrometric and mass fragmentographic performance in steroid analysis with glass capillary columns. Maume BF, et al. *J Chromatogr Sci* 11:607-10, Nov 73
- Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens, including studies in pruritus gravidarum. Adlercreutz H, et al. *J Clin Endocrinol Metab* 38:51-7, Jan 74
- Behaviour of total oestrogen, pregnanediol and creatinine levels in the amniotic fluid in the last weeks of pregnancy. Woytoń J, et al. *J Obstet Gynaecol Br Commonw* 80:909-11, Oct 73
- Proceedings: A cost reductive method for the radioimmunoassay of steroids and prostaglandins. Hennam JF, et al. *J Reprod Fertil* 35:603-4, Dec 73
- [Evaluation of the method of determination of urinary and blood estrogen levels in pregnant patients by radioimmunoassay] Arai K, et al. *Clin Endocrinol (Tokyo)* 21:863-6, Aug 73 (Jap)

ANTAGONISTS & INHIBITORS

- Blockade of the surge of prolactin at pro-oestrus by administration of anti-oestrogenic substance, MER-25. Yokoyama A, et al. *Acta Endocrinol (Kbh)* 74:769-74, Dec 73
- Hormone dependence in breast cancer. McGuire WL, et al. *Metabolism* 23:75-100, Jan 74 (154 ref.)
- Estrogen receptor-anti-estrogen complex: atypical binding by uterine nuclei and effects on uterine growth. Clark JH, et al. *Steroids* 22:707-18, Nov 73

BIOSYNTHESIS

- Plasma levels of unconjugated estrogens in normal and

ESTROGENS

GONADS

- diabetic pregnancies. De Hertogh R, et al.
Am J Obstet Gynecol 117:1076-9, 15 Dec 73
- Production of estrogen in rat placenta studied by electron microscope autoradiography and biochemical analysis. Uchida K.
Arch Histol Jap 36:57-71, Sep 73
- Proceedings: Two theories: the preimplantation embryo is a source of steroid hormones controlling (1) morula-blastocyst transformation and (2) implantation. Dickman Z, et al.
J Reprod Fertil 35:615-7, Dec 73
- Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al.
Obstet Gynecol 42:903-6, Dec 73
- [Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Gulchard A, et al.
Gen Comp Endocrinol 21:478-84, Dec 73 (Eng. Abstr.) (Fre)
- [Investigations of the structural and functional conditions of the postmenopause ovaries in patients with carcinomas of the corpus and neck (author's transl)] Mestwerdt W, et al.
Munch Med Wochenschr 115:1796-805, 12 Oct 73 (Eng. Abstr.) (Ger)
- [Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.
Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)
- [Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

BLOOD

- A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. Cohen M, et al.
Am J Obstet Gynecol 118:200-9, 15 Jan 74
- Plasma levels of unconjugated estrogens in normal and diabetic pregnancies. De Hertogh R, et al.
Am J Obstet Gynecol 117:1076-9, 15 Dec 73
- Circulating prolactin levels during the menstrual cycle: episodic release and diurnal variation. Ehara Y, et al.
Am J Obstet Gynecol 117:962-70, 1 Dec 73
- The appearance of some blood-borne substances during human pregnancy. Bhansali KG, et al.
Am J Pharm 145:201-5, Nov-Dec 73
- Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle. Echternkamp SE, et al. J Anim Sci 37:1362-70, Dec 73
- Plasma ovarian hormone levels and fertility in beef heifers treated with melengestrol acetate (MGA). Henricks DM, et al. J Anim Sci 37:1169-75, Nov 73
- Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al.
J Obstet Gynaecol Br Commonw 80:1095-9, Dec 73
- Proceedings: The effect of the administration of progesterone on the initiation of parturition in the goat. Rawlings NC, et al.
J Reprod Fertil 35:606-7, Dec 73
- Proceedings: Development of a potent antiserum to prostaglandin F and measurement of prostaglandin F in the peripheral circulation of parturient sheep. Sharma SC, et al. J Reprod Fertil 35:598-9, Dec 73
- Blood disappearance rates of certain hormones and enzymes advocated as fetoplacental function tests. Crystle CD, et al. Obstet Gynecol 43:41-5, Jan 74
- Effect of chorionic gonadotropin on corpus luteum of the monkey. Surve AH, et al.
Proc Soc Exp Biol Med 144:963-8, Dec 73
- Plasma profile of pituitary gonadotropins and ovarian steroids in the normal menstrual cycle. Pérez-Palacios G, et al. Rev Invest Clin 25:305-13, Oct-Dec 73
- Plasma testosterone and estrogens in premenstrual gynecomastia. Bidlingmaier F, et al.
Z Kinderheilkd 115:89-94, 9 Aug 73
- [Evaluation of the method of determination of urinary and blood estrogen levels in pregnant patients by radioimmunoassay] Aral K, et al.
Clin Endocrinol (Tokyo) 21:863-6, Aug 73 (Jap)
- [Blood estrogen, acetylcholine and cholinesterase content during weak labor activity] Manullov IA, et al.
Akush Ginekol (Mosk) 49:16-9, Jun 73 (Eng. Abstr.) (Rus)
- [Correlation of estrogens in the maternal and fetal blood at the end of pregnancy and labor] Donskova LV. Sov Med 35:20-4, Oct 72 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

- Estrogenic triarylcyclopropanes. Bedford GR, et al.
J Med Chem 17:147-9, Jan 74

CLASSIFICATION

- [Our principles in the selection of steroid contraceptives (author's transl)] Dvořák K, et al.
Cesk Gynecol 38:610-2, Sep 73 (Cze)

DIAGNOSTIC USE

- [Letter: Pituitary gonadotropin inhibition test. New data in the detection and the biological surveillance of trophoblastic tumors in both sexes] Hinglais H, et al.
Acad Rev 2:2601, 3 Nov 73 (Fre)

ISOLATION & PURIFICATION

- [Effect of hypophysectomy on the secretion of estrogens by the embryonic gonads of female ducks] Akram H, et al.
Gen Comp Endocrinol 21:543-6, Dec 73 (Eng. Abstr.) (Fre)

METABOLISM

- A thin-layer gel filtration assay of cytoplasmic oestrogen receptors. A possible screening method for hormone dependent tumours. Gore-Langton RE, et al.
Br J Cancer 28:310-5, Oct 73
- Effects of diphenylhydantoin upon estrogen metabolism by liver microsomes of DDT-treated Japanese quail. Bernstein JD, et al.
Bull Environ Contam Toxicol 10:309-14, Nov 73
- Proceedings: Absent positive feedback of oestrogens: a cause of amenorrhoea in hypothalamic-pituitary disease. Marshall JC, et al.
J Endocrinol 59:xxiv, Nov 73
- Hormone dependence in breast cancer. McGuire WL, et al. Metabolism 23:75-100, Jan 74 (154 ref.)
- Proceedings: Hormonal relations of endometrial cancer. Gusberg SB.
Proc Natl Cancer Conf 7:213-7, 1973
- Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlorthalidone treatment. Wedig JH, et al. Proc Soc Exp Biol Med 144:796-801, Dec 73
- [Progestational hormones and cancer of the endometrium] Lambotte R, et al.
Rev Med Liege 28:662-7, Oct 73 (Fre)

PHARMACODYNAMICS

- Components of the kallikrein-kinin system and the spontaneous cold activation of factor VII in human plasma. Laake K, et al.
Acta Pharmacol Toxicol (Kbh) 33:229-40, 1973
- The intravenous fat tolerance test with intralipid in various types of hyperlipidaemias and comparison between metabolism of intralipid and VLDL. Rössner S. Adv Exp Med Biol 38:69-85, 1973
- Accumulation of collagen in the uterus of the immature rat administered estradiol-17 beta. Salvador RA, et al. Biochem Pharmacol 22:37-46, 1 Jan 73
- Determination of picomole quantities of eukaryotic amino-acyl-tRNA with bacterial elongation factor Tu: the extent of in vivo acylation of tRNA. Shelton ER, et al. Biochim Biophys Acta 331:81-90, 26 Nov 73
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al.
Brain Res 60:393-410, 12 Oct 73
- Pharmacology of cyclic analogues of deamino-oxytocin not containing a disulphide bond (carba analogues). Barth T, et al. Eur J Pharmacol 24:183-8, Nov 73
- Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al.
Fertil Steril 24:921-5, Dec 73
- Effect of repeated injections of oestrogen on uterine glycogen. Bo WJ, et al. J Endocrinol 59:381-2, Nov 73
- Progesterone and oestrogen and the initiation of lactation in ewes. Hartmann PE, et al.
J Endocrinol 59:249-59, Nov 73
- Proceedings: Sex-hormone-binding globulin, luteinizing hormone and testosterone in man: effects

GONADS

ESTROGENS

of oestrogen and cyproterone acetate. Murray MA, et al. *J Endocrinol* 59:xxi-xxli, Nov 73

Reflex activation of paraventricular nucleus units during the reproductive cycle and in ovariectomized rats treated with oestrogen or progesterone. Negoro H, et al. *J Endocrinol* 59:559-67, Dec 73

Unit activity in the paraventricular nucleus of female rats at different stages of the reproductive cycle and after ovariectomy, with or without oestrogen or progesterone treatment. Negoro H, et al. *J Endocrinol* 59:545-58, Dec 73

Proceedings: Changes in milk composition preceding oestrus in the goat: comparison with the effects of exogenous oestrogens. Peaker M, et al. *J Endocrinol* 59:xlvi, Nov 73

Effect of estrogens and a progestogen on platelet adhesiveness and aggregation in rabbits. Mitchell HC. *J Lab Clin Med* 83:79-89, Jan 74

Estrogenic triarylcylopropanes. Bedford GR, et al. *J Med Chem* 17:147-9, Jan 74

Cycloalkanones. 3. Structure-activity relationships of hypocholesterolemic cyclooctanone derivatives. Carlson GL, et al. *J Med Chem* 17:154-7, Feb 74

Synthesis and biological properties of (2-L-beta-(pyrazolyl-3)alanine)-lutelizing hormone-releasing hormone. Coy DH, et al. *J Med Chem* 17:140-2, Jan 74

Comparative study of protein biosynthesis in mice susceptible and resistant to breast cancer. Sheth NA, et al. *J Natl Cancer Inst* 51:1977-9, Dec 73

A reconsideration of the secretory function of the human endometrium. Datnow AD. *J Obstet Gynaecol Br Commonw* 80:865-71, Oct 73 (39 ref.)

Intravascular coagulation during pregnancy and the puerperium. Hyde E, et al. *J Obstet Gynaecol Br Commonw* 80:1059-66, Dec 73

The effect of estrogen, progesterone and cortisol on gingival inflammation. Deasy MJ, et al. *J Periodont Res* 7:111-24, 1972

Inhibition of embryonic development in *Rana pipiens* by 2-methyl-3-ethyl-4-phenyl-4-cyclohexene carboxylic acid (ORF 3858). McCormack JJ, et al. *J Reprod Fertil* 36:253-6, Jan 74

Bifunctional photoinduction of psoralen to single stranded nucleic acids. Shanklin D. *J Reprod Med* 11:191, Nov 73

Editorial: Estrogens and the menopause. Kase N. *JAMA* 227:318-9, 21 Jan 74

Massive hyperlipemia during estrogen therapy. Mollitch ME, et al. *JAMA* 227:522-5, 4 Feb 74

Editorial: Gallstones and estrogens. Ingelfinger FJ. *N Engl J Med* 290:51-2, 3 Jan 74

The effect of oxytocin on renal blood flow and its distribution in the dog. Barnes AB. *Nephron* 11:40-57, 1973

Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73

Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73

Effects of estrogen treatment on the oophorectomized female rat aorta. Wolinsky H. *Proc Soc Exp Biol Med* 144:864-7, Dec 73

In vivo inhibition of growth of two hormone-dependent mammary tumors by dihydroxy cyclic AMP. Cho-Chung YS, et al. *Science* 183:87-8, 11 Jan 74

In vitro effects of estrogens on rat prostatic 5 alpha-reduction of testosterone. Lee DK, et al. *Steroids* 22:677-85, Nov 73

Uterine stromal morphology of the spayed virgin rat when prepared with progesterone and oestrogen for implantation. Ljungkvist I. *Z Anat Entwicklungsgesch* 141:161-9, 1973

[Significance and reliability of various tests of thyroid function in medical practice (author's transl)] Emrich D, et al. *Dtsch Med Wochenschr* 98:2169-74, 16 Nov 73 (Eng. Abstr.) (Ger)

[Intra- and extracellular electrolyte concentration of estrogen therapy on patients with carcinoma of the prostate (author's transl)] Kunze U, et al. *Urologe [A]* 12:274-7, Sep 73 (Eng. Abstr.) (Ger)

[The appearance of pregnancy typical proteins during the use of hormonal contraceptives] Straube W, et al. *Zentralbl Gynaekol* 95:1281-6, 7 Sep 73 (Eng. Abstr.) (Ger)

[Controlled studies on the efficacy of various hormonal treatments in suppression of lactation] Amorfini U, et al. *Ann Ostet Ginecol Med Perinat* 93:599-604, Aug 72 (Eng. Abstr.) (Ita)

[Experimental studies of the relationships between critical mass and immunological defense in Walker's tumor in rats] Sforza M, et al. *Minerva Chir* 28:1501-7, 30 Nov 73 (Eng. Abstr.) (Ita)

[Progesterone receptor in the uterus of rabbits and rats] Ishihara S, et al. *Folia Endocrinol Jap* 49:1254-60, Oct 73 (Eng. Abstr.) (Jap)

[Oral contraception and liver function] Bergsjö P. *Tidsskr Nor Lægeforen* 93:583-8, 30 Mar 73 (Eng. Abstr.) (Nor)

PHYSIOLOGY

Fetal hormones, the brain, and human sex differences: a heuristic, integrative review of the recent literature. Reinisch JM. *Arch Sex Behav* 3:51-90, Jan 74 (96 ref.)

Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al. *Brain Res* 60:393-410, 12 Oct 73

Male and female differentiation of the human gonad. Boczkowski K. *Clin Genet* 4:213-9, 1973

The hypothalamic-pituitary control of ageing and age-related pathology. Everitt AV. *Exp Gerontol* 8:265-77, Oct 73 (104 ref.)

Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)

Electrophysiological observations of uterine motility during the oestrous cycle in sheep. Naaktgehooren C, et al. *J Reprod Fertil* 35:511-8, Dec 73

Proceedings: Hormonal relations of endometrial cancer. Gusberg SB. *Proc Natl Cancer Conf* 7:213-7, 1973

Proceedings: New hypotheses on the etiology of cancer. Miller RW. *Proc Natl Cancer Conf* 7:653-6, 1973 (21 ref.)

[Progesterone-receptor] Kato J. *Clin Endocrinol (Tokyo)* 21:821-30, Aug 73 (58 ref.) (Jap)

[Sex hormones] Sugawa T. *Clin Endocrinol (Tokyo)* 21:805-12, Aug 73 (8 ref.) (Jap)

[Hormonal function of the placenta] Bagramian ER. *Sov Med* 35:66-71, Dec 72 (36 ref.) (Rus)

[Edema syndrome in premature infants (a review of the literature)] Marchenko ZM. *Vopr Okhr Materin Det* 18:63-6, Jan 73 (Rus)

[Inhibition of a blastomatous process in bones by artificial hyperestrinism] Kornitski MA. *Vopr Onkol* 19:95-7, 1973 (Rus)

SECRETION

Effect of consecutive administration with synthetic LH-RH-FSH-RH on LH and FSH release, and on urinary steroids excretion. Sekl M, et al. *Acta Obstet Gynaecol Jap* 19:179-84, Jul 72

Development and maintenance of the oviductal epithelium during the estrous cycle in the bitch. Verhage HG, et al. *Biol Reprod* 9:460-74, Dec 73

Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology, histology, and ultrastructure. Bjersing L, et al. *Cancer* 32:1360-9, Dec 73

Proceedings: Regulation of steroid secretion in sheep ovarian follicles. McIntosh JE, et al. *J Reprod Fertil* 35:605-6, Dec 73

Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. *Lancet* 2:1263-4, 1 Dec 73

Proceedings: Hypotheses regarding the etiology of breast cancer. Cole P. *Proc Natl Cancer Conf* 7:657-61, 1973 (27 ref.)

[Clomiphene test in amenorrhea of mental anorexia (apropos of 26 cases)] Decourt J. *Ann Med Interne (Paris)* 124:641-5, Aug-Sep 73 (Fre)

[Effect of hypophysectomy on the secretion of estrogens by the embryonic gonads of female ducks] Akram H, et al. *Gen Comp Endocrinol* 21:543-6, Dec 73 (Eng. Abstr.) (Fre)

[Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

ESTROGENS

GONADS

- [Genetic, endocrine and anatomohistological aspects of testicular feminization] Marsico S, et al.
Ann Ostet Ginecol Med Perinat 94:54-66, Jan 73 (Ita)
[Endocrinological analysis of Takayasu's disease (author's transl)] Numano F, et al.
J Jap Soc Intern Med 62:918-29, Aug 73 (Jap)

THERAPEUTIC USE

- Colorectal endometriosis. Ponka JL, et al.
Dis Colon Rectum 16:490-9, Nov-Dec 73
Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al.
Fertil Steril 24:921-5, Dec 73
The structure of the pars interarticularis of the lower lumbar vertebrae and its relation to the etiology of spondylolysis. Krenz J, et al.
J Bone Joint Surg [Am] 55:735-41, Nov 73
Editorial: Estrogens and the menopause. Kase N.
JAMA 227:318-9, 21 Jan 74
Cancer and stilbestrol. A follow-up of 1,719 persons exposed to estrogens in utero and born 1943-1959. Lanier AP, et al. Mayo Clin Proc 48:793-9, Nov 73
Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74
Surgically confirmed gallbladder disease, venous thromboembolism, and breast tumors in relation to postmenopausal estrogen therapy. A report from the Boston Collaborative Drug Surveillance Program, Boston University Medical Center.
N Engl J Med 290:15-9, 3 Jan 74
Advances in treatment of breast carcinoma. Jamieson CW. Nurs Times 69:1369-71, 18 Oct 73
Breast carcinomatosis and treatment. A practical approach to the treatment of disseminated carcinoma of the breast. Plotkin D, et al. Oncology 28:509-16, 1973
Proceedings: Hormonal relations of endometrial cancer. Gusherg SB.
Proc Natl Cancer Conf 7:213-7, 1973
Transsexualism. Montague DK.
Urology 2:1-12, Jul 73 (105 ref.)
A square bladder. Summers JL, et al.
Urology 2:681-2, Dec 73
[Oestrogen therapy in pregnancy threatened by haemorrhage (author's transl)] Dráč P, et al.
Cesk Gynecol 38:652-4, Nov 73 (Cze)
[Expedient pharmacotherapy in child gynaecology (author's transl)] Veselý K.
Cesk Gynecol 38:683-4, Nov 73 (Cze)
[Hormonal treatment of cancer of the prostate] Maquinay C. Rev Med Liege 28:667-71, Oct 73 (Fre)
[Effect of sex hormones on porphyrin metabolism in model studies] Simon N, et al.
Dermatol Monatsschr 159:868-71, Sep 73 (Eng. Abstr.) (Ger)
[Therapy of prostatic neoplasms using pressed hormones. Follow-up studies] Schalkhäuser K.
Med Welt 24:1719-21, 2 Nov 73 (Ger)
[Pituitary disorders; growth disturbances (author's transl)] Blerich JR.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)
[Carcinoma of the breast under estrogen-treatment for prostatic carcinoma (author's transl)] Bülow H, et al.
Urologe [A] 12:249-53, Sep 73 (Eng. Abstr.) (Ger)
[Intra- and extracellular electrolyte concentration of estrogen therapy on patients with carcinoma of the prostate (author's transl)] Kunze U, et al.
Urologe [A] 12:274-7, Sep 73 (Eng. Abstr.) (Ger)
[Management of climacteric disorders in clinical practice] Lauritzen C.
Z Allgemeinmed 49:1376-9, 20 Oct 73 (Ger)
[Gynecologic cancer] Kolstad P.
Tidsskr Nor Laegeforen 93:1952-4, 20 Sep 73 (Nor)
[Treatment of prostatic cancer] Sander S.
Tidsskr Nor Laegeforen 93:1943-5, 20 Sep 73 (Nor)
[Adrenal hormone content in the plasma and urine during treatment with estrogen-gestagen preparations] Rotkina IE.
Akush Ginekol (Mosk) 49:63-6, Aug 73 (Rus)

URINE

- Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al.
Acta Pathol Microbiol Scand [A] 81:352-8, May 73
Idiopathic gynecomastia in seven preadolescent boys.

- Elevation of urinary estrogen excretion in two cases. Latorre H, et al. Am J Dis Child 126:771-3, Dec 73
Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
Am J Obstet Gynecol 117:955-61, 1 Dec 73
Androgens in breast cancer. II. Endometrial adenocarcinoma and breast cancer in married postmenopausal women. Grattarola R, et al.
Am J Obstet Gynecol 118:173-8, 15 Jan 74
Male infertility caused by abnormal androgen production in the adrenal cortex. Koumans J.
Andrologie 4:379-84, 1972
Serum copper in normal and complicated pregnancies compared with urinary oestrogens. Ylöstalo P, et al.
Ann Chir Gynaecol Fenn 62:117-20, 1973
Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. Br Med J 1:11-3, 5 Jan 74
The effect of sugars on automated urinary oestrogens estimations in pregnancy. Worth HG.
Clin Chim Acta 49:53-9, 23 Nov 73
The circannual variations of some of the hormones of the woodchuck (Marmota monax). Wenberg GM, et al.
Comp Biochem Physiol [A] 46:523-35, 1 Nov 73
Treatment of ovarian insufficiency by gonadotrophins. Crooke AC, et al.
Endocrinol Exp (Bratisl) 7:275-82, 1973
Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens, including studies in pruritus gravidarum. Adlercreutz H, et al. J Clin Endocrinol Metab 38:51-7, Jan 74
Estriol-creatinine ratio in normal pregnancy. Anuman-Rajadon Y.
J Med Assoc Thai 56:558-61, Sep 73
The effects of abdominal decompression on pregnancy complicated by the small-for-dates fetus. Varma TR, et al.
J Obstet Gynaecol Br Commonw 80:1086-94, Dec 73
Pseudoprecocious puberty associated with isolated follicular cyst of the ovary. Monteleone JA, et al.
J Pediatr Surg 5:949-50, Dec 73
Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrlove JL, et al.
J Urol 110:710-3, Dec 73
Letter: Fetoplacental function tests. Rao LG.
Lancet 1:92, 19 Jan 74
Urinary estrogen excretion in men with advanced cancer. Sadoff L, et al.
N Engl J Med 289:863-4, 18 Oct 73
Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al.
Tohoku J Exp Med 110:347-57, Aug 73
Effect of norhydroxyprogesterone caproate on cervical sperm penetration and secretion of ovarian steroids in the human female. Carlborg L.
Ups J Med Sci 78:189-90, Jul 73
[Investigations of the structural and functional conditions of the postmenopause ovaries in patients with carcinomas of the corpus and neck (author's transl)] Mestwerdt W, et al.
Munch Med Wochenschr 115:1798-805, 12 Oct 73 (Eng. Abstr.) (Ger)
[Comparative studies on the induction of ovulation by Folstimin and Pergonal] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)
[Possibilities for clinical use of synthetic LH-releasing hormone in gynecology] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1010-8, 27 Jul 73 (Eng. Abstr.) (Ger)
[Comparative studies on enzyme activities in the mucosa of corpus and endocervix uteri under various hormonal conditions. I. Alkaline and acid phosphatases] Hagen H, et al.
Zentralbl Gynaekol 95:1040-54, 27 Jul 73 (Eng. Abstr.) (Ger)
[Evaluation of the method of determination of urinary and blood estrogen levels in pregnant patients by radioimmunoassay] Aral K, et al.
Clin Endocrinol (Tokyo) 21:863-6, Aug 73 (Jap)
[Total urinary estrogen excretion in women with glaucoma simplex at the time of climacteric] Glierek A, et al.
Ginekol Pol 44:1163-9, Oct 73 (Eng. Abstr.) (Pol)
[Estrogen excretion in women with trichomoniasis] Chastikova AV, et al.
Akush Ginekol (Mosk) 49:35-7, Mar 73 (Eng. Abstr.) (Rus)
[Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)]

GONADS

ESTRONE

- Savchenko ON.
Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)
[State of certain endocrine organs in cancer of the cervix uteri] Slepov MI.
Akush Ginekol (Mosk) 49:43-6, Mar 73 (Eng. Abstr.) (Rus)
[Pathogenesis of dysfunctional uterine hemorrhages] Dobrotina AF, et al. Sov Med 38:110-4, Apr 73 (Rus)
[Some indices of sexual function in women with thyroid diseases] Gridneva NK, et al.
Vopr Okhr Materin Det 18:79-82, Jan 73 (Eng. Abstr.) (Rus)
[Gonadal hormones in male hypogonadism] González Gancedo P, et al.
Rev Clin Esp 131:187-94, 15 Nov 73 (Eng. Abstr.) (Spa)
[A case of 46-XY gonadal dysgenesis with female phenotype, ovarian rudiments and normal estrogen excretion] Palacios Mateos JM, et al.
Rev Clin Esp 131:145-8, 31 Oct 73 (Spa)

ESTRONE

- Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.
Clin Chem 19:1293-5, Nov 73
A direct plasma testosterone radioimmunoassay. Castro A, et al. Experientia 29:1447-8, 15 Nov 73
Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. Gynecol Invest 4:61-72, 1973
Steroid beta-D-glucosidase. Purification of the enzyme from rabbit liver. Mellor JD, et al.
J Biol Chem 249:361-5, 25 Jan 74
Selective deuterium labelling of steroidal estrogens. Block JH, et al. Steroids 22:591-6, Nov 73
The influence of conjugated estrogens in radioimmunoassays using different antibodies against estradiol-17beta. Bollert B, et al.
Steroids 22:891-4, Dec 73
A new approach for quantitative evaluation of cross-reactivity of steroids with an antiserum by radioimmunoassay: application to a highly specific antiestriol. Lauzon S de, et al.
Steroids 22:747-61, Dec 73

ADMINISTRATION & DOSAGE

- [Treatment of the climacteric syndrome with a combination of estrone sulfate and estradiol. Preliminary report] Ruiz Moreno JA, et al.
Gynecol Obstet Mex 34:273-9, Sep 73 (Eng. Abstr.) (Spa)

ANALYSIS

- Ferric chloride-impregnated silica gel for thin-layer chromatography of steroids. Shapiro DR, et al.
Clin Chem 19:1305-6, Nov 73
Ovarian follicular estrogens in Angus belfers. England BG, et al. J Anim Sci 37:1176-9, Nov 73
Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens, including studies in pruritus gravidarum. Adlercreutz H, et al. J Clin Endocrinol Metab 38:51-7, Jan 74

BIOSYNTHESIS

- Production of estrogen in rat placenta studied by electron microscope autoradiography and biochemical analysis. Uchida K.
Arch Histol Jap 36:57-71, Sep 73

BLOOD

- Peripheral plasma levels of estrone, estradiol-17beta and progesterone during ovulatory menstrual cycles in the rhesus monkey with special reference to the onset of menstruation. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:732-42, Dec 73
Patterns of circulating estrone, estradiol-17beta and progesterone during pregnancy in the rhesus monkey. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:743-55, Dec 73
A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. Cohen M, et al.
Am J Obstet Gynecol 118:200-9, 15 Jan 74
Plasma human chorionic gonadotropin, estrone, estradiol, estriol, progesterone, and 17 alpha-hydroxyprogesterone in human pregnancy. 3.

- Early normal pregnancy. Tulchinsky D, et al.
Am J Obstet Gynecol 117:884-93, 1 Dec 73
Plasma levels of estrogens during long-term treatment with depo-medroxyprogesterone acetate as a contraceptive agent. Jeppsson S, et al.
Contraception 8:165-70, Aug 73
Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle. Echternkamp SE, et al. J Anim Sci 37:1362-70, Dec 73
Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. J Clin Invest 53:1-6, Jan 74
Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al.
J Obstet Gynaecol Br Commonw 80:1095-9, Dec 73
Changes in the concentration of unconjugated estrone, estradiol-17alpha and estradiol-17beta in the maternal plasma of the pregnant cow in relation to the initiation of parturition and lactation. Robertson HA. J Reprod Fertil 36:1-7, Jan 74
The concentration of unconjugated estrone, estradiol-17 alpha and estradiol-17 beta in the maternal plasma of the pregnant ewe in relation to the initiation of parturition and lactation. Robertson HA, et al. J Reprod Fertil 35:461-8, Dec 73
Radioimmunoassay method for six steroids in human plasma. Brenner PF, et al. Steroids 22:775-94, Dec 73
Plasma testosterone and estrogens in pubertal gynecomastia. Bidlingmaier F, et al.
Z Kinderheilkd 115:89-94, 9 Aug 73

METABOLISM

- Binding of 3H-estradiol with receptors in the human endometrium and myometrium. Krisbnan AR, et al.
Acta Endocrinol (Kbh) 74:756-68, Dec 73
Steroid estrogen conjugates of bens' urine: Identification of radioactive estrone-beta-glucuronide, estradiol-17 beta-3-beta-glucuronide, estradiol-17 alpha-3-beta-glucuronide, estradiol-17 beta-3-sulphate and estradiol-17 alpha-3-sulphate estrone sulphate, as metabolites of injected (14C)estrone. Robinson AR, et al.
Biochim Biophys Acta 326:93-102, 17 Oct 73
Conversion of androstenedione to estrone by neural tissues from fetal and neonatal rats. Reddy VV, et al.
Endocrinology 91:117-21, Jan 74
In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al.
Steroids 22:731-45, Dec 73
[Pregestational hormones and cancer of the endometrium] Lambotte R, et al.
Rev Med Liege 28:662-7, Oct 73 (Fre)
[Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskala TA, et al.
Probl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

- Binding of 3H-estradiol with receptors in the human endometrium and myometrium. Krisbnan AR, et al.
Acta Endocrinol (Kbh) 74:756-68, Dec 73
Effect of sexual steroids and androgen sterilization on avoidance and exploratory behaviour in the rat. Telegdy G, et al.
Acta Physiol Acad Sci Hung 43:55-63, 1973
Estrogen-progesterone interactions in uterus and brain of intact and adrenalectomized immature and adult rats. Whalen RE, et al. Endocrinology 91:214-23, Jan 74
Hormonal effects on prostatic acid phosphatase synthesis in tissue culture. Ban RW, et al.
Invest Urol 11:308-11, Jan 74
Proceedings: Effects of estrone on ovum transport in the golden hamster. Bastlaans LA, et al.
J Reprod Fertil 35:612-3, Dec 73
Steroid pellets and venous diameter in orchidectomized, ovariectomized, and ovariectomized-hysterectomized mice. Forbes TR, et al.
Proc Soc Exp Biol Med 144:356-8, 1 Oct 73
In vitro effects of estrogens on rat prostatic 5 alpha-reduction of testosterone. Lee DK, et al.
Steroids 22:877-85, Nov 73
[Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskala TA, et al.

ESTRONE

Probl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)

SECRETION

[Effect of hypophysectomy on the secretion of estrogens by the embryonic gonads of female ducks] Akram H, et al.
Gen Comp Endocrinol 21:543-6, Dec 73 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

[Estrogenic and antineoplastic activity of a series of transformed analogs of estrone and estradiol] Sorokina IB, et al.
Izv Akad Nauk SSSR [Biol] 5:664-70, Set-Oct 73 (Eng. Abstr.) (Rus)
[Effect of estrogens on some indices of the adrenal cortex function in women with ovarian insufficiency] Bobrovskala TA, et al.
Probl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Eng. Abstr.) (Rus)
[Treatment of the climacteric syndrome with a combination of estrone sulfate and estradiol. Preliminary report] Ruiz Moreno JA, et al.
Ginecol Obstet Mex 34:273-9, Sep 73 (Eng. Abstr.) (Spa)

URINE

Androgens in breast cancer. II. Endometrial adenocarcinoma and breast cancer in married postmenopausal women. Grattarola R, et al.
Am J Obstet Gynecol 118:173-8, 15 Jan 74
Steroid estrogen conjugates of hens' urine: Identification of radioactive estrone-beta-glucuronide, estradiol-17 beta-3-glucuronide, estradiol-17 alpha-3-glucuronide, estradiol-17 beta-3-sulphate and estradiol-17 alpha-3-sulphate estrone sulphate, as metabolites of injected (14C)estrone. Robinson AR, et al.
Biochim Biophys Acta 326:93-102, 17 Oct 73
A comparison of a manual and a simple automated technique for the estimation of total oestrogens in pregnancy urine. Corns MD, et al.
Clin Chim Acta 48:335-40, 30 Oct 73
Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and hiliary estrogens, including studies in pruritus gravidarum. Adlercreutz H, et al. J Clin Endocrinol Metab 38:51-7, Jan 74
[Excretion of the urinary unconjugated estrogens during the menstrual cycle, the pregnancy, and after HCG and HMG stimulation (author's transl)] Desfosses B, et al.
Steroids Lipids Res 4:86-97, Mar 73 (Eng. Abstr.) (Fre)

ETHINYL ESTRADIOL

Letter: Oral contraceptives and thromboembolism. Bye P. Br Med J 4:354-5, 10 Nov 73
Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. Gynecol Invest 4:61-72, 1973

ADMINISTRATION & DOSAGE

Effect of contraception on lactation. Gulloff E, et al.
Am J Obstet Gynecol 118:42-5, 1 Jan 74
Effects of oestrogen administration on testosterone metabolism in normal men. Clark AF, et al.
Clin Endocrinol (Oxf) 2:361-8, Oct 73
Plasma levels of ethynylloestradiol after administration of ethynylloestradiol or mestranol to human subjects. Warren RJ, et al. J Endocrinol 59:369-70, Nov 73

ADVERSE EFFECTS

Massive hyperlipemia during estrogen therapy. Molitch ME, et al. JAMA 227:522-5, 4 Feb 74
[Deep thrombophlebitis due to high doses of ovarian steroids used for contraception] Havránek F.
Cesk Gynecol 38:702, Nov 73 (Cze)
[Changes in the heparinocyte count during intake of hormonal contraceptives] Frick G, et al.
Zentralbl Gynaekol 95:1441-50, 12 Oct 73 (Eng. Abstr.) (Ger)
[Porphyria cutanea tarda induced by oral

GONADS

contraceptive] Horkay I, et al.
Orv Hetil 114:3026-8, 16 Dec 73 (Hun)

BLOOD

Plasma levels of ethynylloestradiol after administration of ethynylloestradiol or mestranol to human subjects. Warren RJ, et al. J Endocrinol 59:369-70, Nov 73

DIAGNOSTIC USE

A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al.
J Clin Endocrinol Metab 38:126-33, Jan 74

ISOLATION & PURIFICATION

A novel silver-sulfoethyl cellulose column for purification of ethynyl steroids from biological fluids. Pellizzari ED, et al. Anal Biochem 56:178-90, Nov 73

PHARMACODYNAMICS

Feedback control of FSH in the male: role of oestrogen. Walsh PC, et al.
Acta Endocrinol (Kbh) 74:449-60, Nov 73
Effect of contraception on lactation. Gulloff E, et al.
Am J Obstet Gynecol 118:42-5, 1 Jan 74
Effects of oestrogen administration on testosterone metabolism in normal men. Clark AF, et al.
Clin Endocrinol (Oxf) 2:361-8, Oct 73
Effect of oral contraceptives on urinary metabolite excretions after administration of L-tryptophan or L-tryptophan sulfate. Leklem JE, et al.
Metabolism 22:1499-505, Dec 73
[On the mechanism of the contraceptive action of oestrogens administered after ovulation (author's transl)] Havránek F, et al.
Cesk Gynecol 38:617-9, Sep 73 (Cze)

THERAPEUTIC USE

Feedback control of FSH in the male: role of oestrogen. Walsh PC, et al.
Acta Endocrinol (Kbh) 74:449-60, Nov 73
Amenorrhea following use of combined oral contraceptives. Furuhjelm M, et al.
Acta Obstet Gynecol Scand 52:373-9, 1973
The effect of ethynylloestradiol on calcium and phosphorus metabolism of post-menopausal women with primary hyperparathyroidism. Gallagher JC, et al. Clin Sci Mol Med 45:785-802, Dec 73
[Cycle pattern and incidence of pregnancy following combined clomiphene-estrogen therapy] Zakut H, et al. Harefuah 85:311-4, 1 Oct 73 (Eng. Abstr.) (Heb)
[Use of synthetic progestins in diffuse fibrocystic mastopathy] Manulova IA, et al.
Sov Med 35:30-4, Dec 72 (Eng. Abstr.) (Rus)

ETHYLESTRENOL

THERAPEUTIC USE

Purpura caused by food and drug additives. Michaësson G, et al. Arch Dermatol 109:49-52, Jan 74
Fibrinolytic activity and postoperative deep-vein thrombosis. Fossard DP, et al. Lancet 1:9-11, 5 Jan 74
Types of diabetic retinopathy and treatment. Hollows FC, et al. Trans Ophthalmol Soc NZ 25:50-5, 1973
[Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D.
Monatsschr Kinderheilkd 121:652-5, Oct 73 (Eng. Abstr.) (Ger)

ETHYNODIOL DIACETATE

ADMINISTRATION & DOSAGE

Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al.
Obstet Gynecol 43:87-96, Jan 74
Estrogen-progesterone combination causing hypertension in latent unilateral ischemic renal disease. Crawford LE Jr, et al. Urology 2:683-5, Dec 73

ADVERSE EFFECTS

Spontaneous rupture of the liver in patient using contraceptive pills. Frederick WC, et al.
Arch Surg 108:93-5, Jan 74

GONADS

HYDROXYPROGESTERONE

Influence of pregnancy and oral contraceptives on platelets in relation to coagulation and aggregation. Lecompte F, et al.

Thromb Diath Haemorrh 29:510-7, 10 May 73
Estrogen-progesterone combination causing hypertension in latent unilateral ischemic renal disease. Crawford LE Jr, et al. Urology 2:683-5, Dec 73

ISOLATION & PURIFICATION

A novel silver-sulfoethyl cellulose column for purification of ethynyl steroids from biological fluids. Pellizzari ED, et al. Anal Biochem 56:178-90, Nov 73

PHARMACODYNAMICS

Effect of oral contraceptives on urinary metabolite excretions after administration of L-tryptophan or L-kynurenine sulfate. Leklem JE, et al. Metabolism 22:1499-505, Dec 73

Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al. Obstet Gynecol 43:87-96, Jan 74

Bacteriuria in young women. Effect of estrogen, progesterone, and estrogen-progesterone combination. Corriere JN Jr, et al. Urology 2:539-41, Nov 73

FERTILITY AGENTS

Letter: Fertility drugs and the media. Stafford-Bell MA. Br Med J 4:548, 1 Dec 73

ADVERSE EFFECTS

Does gonadotrophin-induced ovulation in mice cause malformations in the offspring? Eihling L. Nature 246:37-9, 2 Nov 73

METABOLISM

Metabolism of 6-chloro-9 beta, 10 alpha-pregna-1,4,6-triene-3,20-dione in rat, rabbit, monkey and man. Breuer H, et al. Acta Endocrinol (Kbh) 74:127-43, Sep 73

PHARMACODYNAMICS

Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxyphenyl)-cyclohexyldienemethane. Tojo S, et al. Acta Obstet Gynecol Scand 52:335-43, 1973

FLUOXYMESTERONE

PHARMACODYNAMICS

Effects of several androgens and steroid metabolites on erythropoietin production in the isolated perfused dog kidney. Paulo LG, et al. Blood 43:39-47, Jan 74

THERAPEUTIC USE

Thymoma associated with pure red cell aplasia and hypogammaglobulinemia. Vasavada PJ, et al. Postgrad Med 54:93-8, Dec 73

HEXESTROL

ADVERSE EFFECTS

Clinico-pathological and electron microscopical studies on a coronary dilating agent: 4-4'-diethylaminoethoxyhexestrol-induced liver injuries. Ito S, et al. Acta Hepatogastroenterol (Stuttg) 20:204-15, May-Jun 73

[Gynecomastia as a complication of estrogen therapy of prostatic cancer] Gudynskij IaV, et al. Urol Nefrol (Mosk) 38:58-9, Mar-Apr 73 (Rus)

PHARMACODYNAMICS

[Functional morphology of the hypothalamo-hypophyseal neurosecretory system of the golden hamster during the estrus cycle and hyperestrogenism] Andreeva NE. Arkh Anat Gistol Embriol 64:98-102, Jun 73 (Eng. Abstr.) (Rus)

[Inhibition of a blastomatous process in bones by

artificial hyperestrinism] Kornitskij MA. Vopr Onkol 19:95-7, 1973 (Rus)

THERAPEUTIC USE

Clinico-pathological and electron microscopical studies on a coronary dilating agent: 4-4'-diethylaminoethoxyhexestrol-induced liver injuries. Ito S, et al. Acta Hepatogastroenterol (Stuttg) 20:204-15, May-Jun 73

HYDROXYPREGNENOLONE

ANALYSIS

Endogenous steroid sulphates and glucuronides in the gallbladder bile from early and mid-term human fetuses. Huhtaniemi I. J Endocrinol 59:503-10, Dec 73

METABOLISM

In vitro biosynthesis of androgens in canine testes. Oh R, et al. Acta Endocrinol (Kbh) 74:615-24, Nov 73

HYDROXYPROGESTERONE

ANALYSIS

The use of lecithin as a priming agent in gas liquid chromatography with electron capture detection at the picogram level. Lelch WE, et al. Anal Biochem 56:580-3, Dec 73

Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al. Obstet Gynecol 42:903-6, Dec 73

BLOOD

Plasma human chorionic gonadotropin, estrone, estradiol, estril, progesterone, and 17 alpha-hydroxyprogesterone in human pregnancy. 3. Early normal pregnancy. Tulchinsky D, et al. Am J Obstet Gynecol 117:884-93, 1 Dec 73

Progesterone concentrations in the peripheral plasma of the blue fox (Alopex lagopus) during pregnancy and the oestrous cycle. Moller OM. J Endocrinol 59:429-38, Dec 73

Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al. J Obstet Gynaecol Br Commonw 80:1095-9, Dec 73

METABOLISM

In vitro biosynthesis of androgens in canine testes. Oh R, et al. Acta Endocrinol (Kbh) 74:615-24, Nov 73

The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro. Saure A. Ann Acad Sci Fenn [Med] 159:1-131, Sep 73

Steroid 1-dehydrogenation and side-chain degradation enzymes in the life cycle of Fusarium solani. Hafez-Zedan H, et al. Blochim Biophys Acta 326:102-15, 17 Oct 73

Localization of enzymes involved in testosterone biosynthesis by the mouse testis. Samuels LT, et al. Endocrinology 91:55-60, Jan 74

The effect of stilboestrol analogues on the metabolism of steroids by the testis and prostate of the rat in vitro. Danutra V, et al. J Endocrinol 59:539-44, Dec 73

Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. J Endocrinol 59:637-49, Dec 73

The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossler G, et al. J Reprod Fertil 36:169-76, Jan 74

PHARMACODYNAMICS

Response of rabbit testicular capsular contractions to testosterone, prostaglandin E1, and isoproterenol in vitro and in vivo. Seeley RR, et al. Proc Soc Exp Biol Med 144:329-32, 1 Oct 73

SECRETION

Progravid phase of the rat reproductive cycle: daily changes in the in vitro RNA synthesis and progesterin secretion by isolated corpora lutea. Bartosik D, et al. Endocrinology 91:45-8, Jan 74

LYNESTRENOL

LYNESTRENOL

[A new preparation--minipill Exlutona] Bergsjö P.
Tidsskr Nor Laegeforen 93:772, 20 Apr 73 (Nor)

ADMINISTRATION & DOSAGE

[Gestagens following primary radiotherapy of carcinoma of the uterine body] Janisch H, et al.
Strahlentherapie 145:518-22, May 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Controlled trial of oral contraceptives in haemophilia.
Brandt NJ, et al. Scand J Haematol 11:225-9, 1973
[A new preparation--minipill Exlutona] Bergsjö P.
Tidsskr Nor Laegeforen 93:772, 20 Apr 73 (Nor)

PHARMACODYNAMICS

Controlled trial of oral contraceptives in haemophilia.
Brandt NJ, et al. Scand J Haematol 11:225-9, 1973
[Experience with long-term contraception using exluton (author's transl)] Divila F, et al.
Cesk Gynkol 38:616-7, Sep 73 (Cze)
[Histologic and radioautographic studies of the human endometrium under sequential oral contraceptive conditions (author's transl)] Kaltenbach FJ, et al.
Arch Gynaekol 215:325-42, 1973 (Eng. Abstr.) (Ger)
[Gestagens following primary radiotherapy of carcinoma of the uterine body] Janisch H, et al.
Strahlentherapie 145:518-22, May 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Controlled trial of oral contraceptives in haemophilia.
Brandt NJ, et al. Scand J Haematol 11:225-9, 1973
[Letter: Relative estrogen deficiency caused by contraceptives] Baller P.
Dtsch Med Wochenschr 98:2162, 9 Nov 73 (Ger)
[Gestagens following primary radiotherapy of carcinoma of the uterine body] Janisch H, et al.
Strahlentherapie 145:518-22, May 73 (Eng. Abstr.) (Ger)

MEDROXYPROGESTERONE

Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. Gynecol Invest 4:61-72, 1973
Effects of estrogen and progestogen on the cardiovascular and endocrine systems of turkeys. Simpson CF. Poulit Sci 52:1887-90, Sep 73

ADMINISTRATION & DOSAGE

Effect of contraception on lactation. Gulloff E, et al. Am J Obstet Gynecol 118:42-5, 1 Jan 74
Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches. Sokolowski JH, et al. Am J Vet Res 34:1501-3, Dec 73
Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al. Am J Vet Res 34:1493-9, Dec 73
Use of medroxyprogesterone acetate as a contraceptive in conjunction with early postpartum rubella vaccination. Sharp DS, et al. Br Med J 4:443-6, 24 Nov 73
Plasma levels of estrogens during long-term treatment with depo-medroxyprogesterone acetate as a contraceptive agent. Jeppsson S, et al. Contraception 8:165-70, Aug 73
Uterine motility and sperm transport in the estrous ewe after prostaglandin induced regression of corpora lutea. Hawk HW. J Anim Sci 37:1380-5, Dec 73
Medroxyprogesterone acetate in the treatment of seizures associated with menstruation. Zimmerman AW, et al. J Pediatr 83:959-63, Dec 73

METABOLISM

Plasma levels of estrogens during long-term treatment with depo-medroxyprogesterone acetate as a contraceptive agent. Jeppsson S, et al. Contraception 8:165-70, Aug 73

GONADS

PHARMACODYNAMICS

Effect of contraception on lactation. Gulloff E, et al. Am J Obstet Gynecol 118:42-5, 1 Jan 74
Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches. Sokolowski JH, et al. Am J Vet Res 34:1501-3, Dec 73
Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch. Sokolowski JH, et al. Am J Vet Res 34:1493-9, Dec 73
Uterine motility and sperm transport in the estrous ewe after prostaglandin induced regression of corpora lutea. Hawk HW. J Anim Sci 37:1380-5, Dec 73
Carnitine and glycylphosphorylcholine in the reproductive tract of the male rat. Brooks DE, et al. J Reprod Fertil 36:141-60, Jan 74

THERAPEUTIC USE

Medroxyprogesterone acetate in the treatment of seizures associated with menstruation. Zimmerman AW, et al. J Pediatr 83:959-63, Dec 73
Types of diabetic retinopathy and treatment. Hollows FC, et al. Trans Ophthalmol Soc NZ 25:50-5, 1973

MEGESTROL

ADMINISTRATION & DOSAGE

The effect of a continuous low dose progestin on tubal and uterine motility. Coutinho EM, et al. Int J Fertil 18:161-6, 1973

PHARMACODYNAMICS

The effect of a continuous low dose progestin on tubal and uterine motility. Coutinho EM, et al. Int J Fertil 18:161-6, 1973

MESTRANOL

Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. Gynecol Invest 4:61-72, 1973
Effects of estrogen and progestogen on the cardiovascular and endocrine systems of turkeys. Simpson CF. Poulit Sci 52:1887-90, Sep 73
Hydrogen bonds between sexual hormones and nucleobases: NMR investigations. Schimmack W, et al. Z Naturforsch [C] 28:494-8, Sep-Oct 73

ADMINISTRATION & DOSAGE

Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. Br Med J 1:11-3, 5 Jan 74
Plasma levels of ethinyloestradiol after administration of ethinyloestradiol or mestranol to human subjects. Warren RJ, et al. J Endocrinol 59:369-70, Nov 73
Estrogen-progesterone combination causing hypertension in latent unilateral ischemic renal disease. Crawford LE Jr, et al. Urology 2:683-5, Dec 73
[Effect of long-term administration of oral contraceptives on liver function] Fabian B, et al. Cesk Gastroenterol Vyz 27:552-4, Dec 73 (Cze)
[Treatment of seborrhheic conditions of the female scalp using modern combined peroral estrogen-gestagen preparations] Spirov G, et al. Vestn Dermatol Venerol 47:30-3, Jul 73 (Rus)

ADVERSE EFFECTS

Spontaneous rupture of the liver in patient using contraceptive pills. Frederick WC, et al. Arch Surg 108:93-5, Jan 74
Letter: Oral contraceptives and thromboembolism. Bye P. Br Med J 4:354-5, 10 Nov 73
Massive hyperlipemia during estrogen therapy. Molitch ME, et al. JAMA 227:522-5, 4 Feb 74
Controlled trial of oral contraceptives in haemophilia. Brandt NJ, et al. Scand J Haematol 11:225-9, 1973
Estrogen-progesterone combination causing hypertension in latent unilateral ischemic renal disease. Crawford LE Jr, et al. Urology 2:683-5, Dec 73
[Deep thrombophlebitis due to high doses of ovarian steroids used for contraception] Havránek F. Cesk Gynkol 38:702, Nov 73 (Cze)
[Changes in the heparinocyte count during intake of

GONADS

NANDROLONE

- hormonal contraceptives] Frick G, et al.
Zentralbl Gynaekol 95:1441-50, 12 Oct 73 (Eng. Abstr.) (Ger)
[Galactorrhea during oral contraception] Sas M, et al.
Zentralbl Gynaekol 95:1458-61, 12 Oct 73 (Eng. Abstr.) (Ger)
[Use of an oral contraceptive Femigen-Polfa by epileptic women] Rościszewska D.
Neurol Neurochir Pol 7:715-7, Sep-Oct 73 (Eng. Abstr.) (Pol)

ISOLATION & PURIFICATION

- A novel silver-sulfoethyl cellulose column for purification of ethynyl steroids from biological fluids.
Peilizzari ED, et al. Anal Biochem 56:178-90, Nov 73

PHARMACODYNAMICS

- Effect of contraception on lactation. Gulloff E, et al.
Am J Obstet Gynecol 118:42-5, 1 Jan 74
Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. Br Med J 1:11-3, 5 Jan 74
Effect of oral contraceptives on drug metabolism. Carter DE, et al. Clin Pharmacol Ther 15:22-31, Jan 74
Effect of contraceptive on the periodontal tissue of rats. Roth GD, et al. J Periodont Res 7:315-22, 1972
Effect of oral contraceptives on urinary metabolite excretions after administration of L-tryptophan or L-kynurenine sulfate. Leklem JE, et al.
Metabolism 22:1499-505, Dec 73
Controlled trial of oral contraceptives in haemophilia. Brandt NJ, et al. Scand J Haematol 11:225-9, 1973
Bacteriuria in young women. Effect of estrogen, progestogen, and estrogen-progestogen combination. Corriere JN Jr, et al. Urology 2:539-41, Nov 73
[Histologic and radioautographic studies of the human endometrium under sequential oral contraceptive conditions (author's transl)] Kaitenhach FJ, et al. Arch Gynaekol 215:325-42, 1973 (Eng. Abstr.) (Ger)
[The influence of estrogen-gestagen combination preparations on carbohydrate and fat metabolism. II. The effect of Antigest] Göretzlehner G.
Zentralbl Gynaekol 95:1265-71, 7 Sep 73 (Eng. Abstr.) (Ger)
[Enzyme induction by drugs and hormonal contraception] Hempel E, et al.
Zentralbl Gynaekol 95:1451-7, 12 Oct 73 (Eng. Abstr.) (Ger)
[Protein metabolism in women using Femigen Polfa as peroral contraceptives] Flrek A, et al.
Ginek Pol 44:1303-8, Nov 73 (Eng. Abstr.) (Pol)

THERAPEUTIC USE

- Plasma growth hormone and serum phosphorus concentrations in relation to the menopause and to oestrogen therapy. Aitken JM, et al.
J Endocrinol 59:593-8, Dec 73
Controlled trial of oral contraceptives in haemophilia. Brandt NJ, et al. Scand J Haematol 11:225-9, 1973
[Norsteroids in gynaecological therapy (author's transl)] Dvořák K, et al.
Cesk Gynecol 38:820-1, Sep 73 (Cze)
[Methods of rational treatment of pre-climacteric hemorrhage (author's transl)] Stehlík R, et al.
Cesk Gynecol 38:830-2, Sep 73 (Cze)
[Letter: Relative estrogen deficiency caused by contraceptives] Baller P.
Dtsch Med Wochenschr 98:2162, 9 Nov 73 (Ger)
[Use of synthetic progestins in diffuse fibrocystic mastopathy] Manulova IA, et al.
Sov Med 35:30-4, Dec 73 (Eng. Abstr.) (Rus)
[Treatment of seborrheic conditions of the female scalp using modern combined peroral estrogen-gestagen preparations] Spirov G, et al.
Vestn Dermatol Venerol 47:30-3, Jul 73 (Rus)

METHANDROSTENOLONE

ISOLATION & PURIFICATION

- Methandienone-I. A convenient method for the separation of
17alpha-methyl-17beta-hydroxyandrost-1,4-dien-3-one and
17alpha-methyl-17beta-hydroxynorost-1,4,6-trien-3-one. Lala AK, et al. Steroids 22:763-6, Dec 73

PHARMACODYNAMICS

- [Morphological evaluation of the effect of nerobol on the character of immunological reaction in BCG vaccination] Kapitanov EA, et al.
Probl Tuberk 51:72-5, 1973 (Rus)

THERAPEUTIC USE

- [Effect of anabolic steroids on the blood coagulation system in coronary arteriosclerosis] Volkov NF, et al.
Kardiologia 13:133-4, Jan 73 (Rus)
[Effect of nerobol and aminokrovin on the free amino acid content in peptic ulcer] Komarov FI, et al.
Sov Med 36:83-7, May 73 (Eng. Abstr.) (Rus)

METHYLTESTOSTERONE

ADMINISTRATION & DOSAGE

- Methyltestosterone with imipramine in men: conversion of depression to paranoid reaction. Wilson IC, et al. Am J Psychiatry 131:21-4, Jan 74
Leucopoietic effect of calusterone (7 heta, 17 alpha-dimethyltestosterone) in women with advanced breast cancer. Horn Y, et al.
Scand J Haematol 10:177-80, 1973

ADVERSE EFFECTS

- Methyltestosterone with imipramine in men: conversion of depression to paranoid reaction. Wilson IC, et al. Am J Psychiatry 131:21-4, Jan 74
[Liver cancer following use of anabolic steroids?] Frey H.
Tidsskr Nor Laegeforen 93:2499-500, 10 Dec 73 (Nor)

ANALYSIS

- Computerized quantitation of drugs by gas chromatography-mass spectrometry. Baczynskyj L, et al. Anal Chem 45:479-82, Mar 73

PHARMACODYNAMICS

- Leucopoietic effect of calusterone (7 heta, 17 alpha-dimethyltestosterone) in women with advanced breast cancer. Horn Y, et al.
Scand J Haematol 10:177-80, 1973
[The production of reparative dentin in rat molars after administration of anabolic steroids] Brázda O.
Cesk Stomatol 73:360-4, Nov 73 (Eng. Abstr.) (Cze)

THERAPEUTIC USE

- Afrodex vs. placebo in the treatment of male impotence: statistical analysis of two double-blind crossover studies. Roberts CD, et al.
Curr Ther Res 16:96-9, Jan 74
Leucopoietic effect of calusterone (7 beta, 17 alpha-dimethyltestosterone) in women with advanced breast cancer. Horn Y, et al.
Scand J Haematol 10:177-80, 1973

NANDROLONE

CHEMICAL SYNTHESIS

- A Hansch analysis of the anabolic activities of some nandrolone esters. Chaudry AQ, et al.
J Med Chem 17:157-61, Feb 74

PHARMACODYNAMICS

- Effects of several androgens and steroid metabolites on erythropoietin production in the isolated perfused dog kidney. Paulo LG, et al. Blood 43:39-47, Jan 74
The effect of an anabolic steroid on postoperative nitrogen balance. Tweedle D, et al.
Br J Clin Pract 27:130-2, Apr 73
A Hansch analysis of the anabolic activities of some nandrolone esters. Chaudry AQ, et al.
J Med Chem 17:157-61, Feb 74

THERAPEUTIC USE

- [Amenorrhea and behaviour disorders. Clinical case treated by psychotherapeutic methods based on cybernetic features of G. Cipollina Mangiameli]

NANDROLONE

Cipollina Mangiameli G.
Minerva Med 64:3765-9, 13 Oct 73 (Eng. Abstr.) (Ita)

NORETHANDROLONE

Histochemical study of gamma glutamyl transpeptidase (GGT) in experimental intrahepatic and extrahepatic cholestasis. Ronchi G, et al.
Beitr Pathol 150:316-21, Dec 73

PHARMACODYNAMICS

Effect of norethandrolone upon salivary acid content of salivary glands in mice. Curbelo HM, et al.
Acta Physiol Lat Am 23:255-8, Apr 73

NORETHINDRONE

Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. Gynecol Invest 4:61-72, 1973

ADMINISTRATION & DOSAGE

Effect of contraception on lactation. Gulloff E, et al. Am J Obstet Gynecol 118:42-5, 1 Jan 74
Cyclical combination chemotherapy in advanced breast cancer. Edelstyn GA, et al.
Br J Cancer 28:459-61, Nov 73
Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. Br Med J 1:11-3, 5 Jan 74
Norethisterone acetate (SH420) in advanced breast cancer. Edelstyn GA. Cancer 32:1317-20, Dec 73

ADVERSE EFFECTS

Massive hyperlipemia during estrogen therapy. Molitch ME, et al. JAMA 227:522-5, 4 Feb 74
A new method of inhibition of lactation. Llewellyn-Jones D, et al. Med J Aust 2:780-1, 20 Oct 73
Clotting mechanisms in patients with hypertriglyceridemia during therapy with anabolic or progestational drugs. Glueck HI, et al.
Thromb Diath Haemorrh 29:499-509, 10 May 73
Influence of pregnancy and oral contraceptives on platelets in relation to coagulation and aggregation. Lecomte F, et al.
Thromb Diath Haemorrh 29:510-7, 10 May 73
[Changes in the heparinocyte count during intake of hormonal contraceptives] Frick G, et al.
Zentralbl Gynaekol 95:1441-50, 12 Oct 73 (Eng. Abstr.) (Ger)

ANALYSIS

Localization of norethisterone in the reproductive tract of women. Reed MJ, et al.
J Endocrinol 59:569-77, Dec 73

BLOOD

Localization of norethisterone in the reproductive tract of women. Reed MJ, et al.
J Endocrinol 59:569-77, Dec 73

ISOLATION & PURIFICATION

A novel silver-sulfoethyl cellulose column for purification of ethynyl steroids from biological fluids. Pellizzari ED, et al. Anal Biochem 56:178-90, Nov 73

METABOLISM

In vitro metabolism of 6,7-3H) norethynodrel in the human endometrium and the myometrium. Murugesan K, et al.
Acta Endocrinol (Kbh) 74:576-91, Nov 73

PHARMACODYNAMICS

Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Krishnan AR, et al. Acta Endocrinol (Kbh) 74:756-68, Dec 73
Effect of contraception on lactation. Gulloff E, et al. Am J Obstet Gynecol 118:42-5, 1 Jan 74
Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. Br Med J 1:11-3, 5 Jan 74

GONADS

A new method of inhibition of lactation. Llewellyn-Jones D, et al. Med J Aust 2:780-1, 20 Oct 73
Effect of oral contraceptives on urinary metabolite excretions after administration of L-tryptophan or L-kynurenine sulfate. Leklem JE, et al.
Metabolism 22:1499-505, Dec 73
[Enzyme induction by drugs and hormonal contraception] Hempel E, et al.
Zentralbl Gynaekol 95:1451-7, 12 Oct 73 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Cyclical combination chemotherapy in advanced breast cancer. Edelstyn GA, et al.
Br J Cancer 28:459-61, Nov 73
Norethisterone acetate (SH420) in advanced breast cancer. Edelstyn GA. Cancer 32:1317-20, Dec 73
Clotting mechanisms in patients with hypertriglyceridemia during therapy with anabolic or progestational drugs. Glueck HI, et al.
Thromb Diath Haemorrh 29:499-509, 10 May 73
[Norsteroids in gynaecological therapy (author's transl)] Dvorák K, et al.
Cesk Gynekol 38:620-1, Sep 73 (Cze)
[Long-term investigation and therapeutic results in women with dysfunctional uterine bleeding (author's transl)] Horák J, et al.
Cesk Gynekol 38:621-3, Sep 73 (Cze)
[Treatment of "collagen and autoimmune" diseases (author's transl)] Kerl H, et al.
Wien Klin Wochenschr 85:769-74, 23 Nov 73 (Eng. Abstr.) (Ger)
[Use of synthetic progestins in diffuse fibrocystic mastopathy] Manullova IA, et al.
Sov Med 35:30-4, Dec 72 (Eng. Abstr.) (Rus)

NORETHYNODREL

ADVERSE EFFECTS

[Galactorrhea during oral contraception] Sas M, et al.
Zentralbl Gynaekol 95:1458-61, 12 Oct 73 (Eng. Abstr.) (Ger)
[Porphyria cutanea tarda induced by oral contraceptive] Horkay I, et al.
Orv Hetil 114:3026-8, 16 Dec 73 (Hun)

ISOLATION & PURIFICATION

A novel silver-sulfoethyl cellulose column for purification of ethynyl steroids from biological fluids. Pellizzari ED, et al. Anal Biochem 56:178-90, Nov 73

METABOLISM

In vitro metabolism of 6,7-3H) norethynodrel in the human endometrium and the myometrium. Murugesan K, et al.
Acta Endocrinol (Kbh) 74:576-91, Nov 73
A novel silver-sulfoethyl cellulose column for purification of ethynyl steroids from biological fluids. Pellizzari ED, et al. Anal Biochem 56:178-90, Nov 73

PHARMACODYNAMICS

Effect of oral contraceptives on drug metabolism. Carter DE, et al. Clin Pharmacol Ther 15:22-31, Jan 74
Effect of contraceptive on the periodontal tissue of rats. Roth GD, et al. J Periodont Res 7:315-22, 1972

THERAPEUTIC USE

[Use of synthetic progestins in diffuse fibrocystic mastopathy] Manullova IA, et al.
Sov Med 35:30-4, Dec 72 (Eng. Abstr.) (Rus)

URINE

A novel silver-sulfoethyl cellulose column for purification of ethynyl steroids from biological fluids. Pellizzari ED, et al. Anal Biochem 56:178-90, Nov 73

NORGESTREL

ADMINISTRATION & DOSAGE

The menstrual cycle in women treated with d-norgestrel 37.5 micrograms in continuous

GONADS

PREGNANEDIOL

administration. Ferrari A, et al.
Int J Fertil 18:133-40, 1973

ADVERSE EFFECTS

Influence of pregnancy and oral contraceptives on platelets in relation to coagulation and aggregation. Lecompte F, et al.
Thromb Diath Haemorrh 29:510-7, 10 May 73

PHARMACODYNAMICS

Effect of oral contraceptives on urinary metabolite excretions after administration of L-tryptophan or L-kynurenine sulfate. Leklem JE, et al.
Metabolism 22:1499-505, Dec 73

THERAPEUTIC USE

[Use of synthetic progestins in diffuse fibrocystic mastopathy] Manullova IA, et al.
Sov Med 35:30-4, Dec 72 (Eng. Abstr.) (Rus)

NORMETHANDROLONE

ADMINISTRATION & DOSAGE

Sexual activity in castrated male rabbits after oral administration of 7 alpha-methyl-19-nortestosterone 17-(1-adamantate). Hunt WL, et al.
Physiol Behav 11:893-6, Dec 73

PHARMACODYNAMICS

Sexual activity in castrated male rabbits after oral administration of 7 alpha-methyl-19-nortestosterone 17-(1-adamantate). Hunt WL, et al.
Physiol Behav 11:893-6, Dec 73

OXANDROLONE

ADMINISTRATION & DOSAGE

Reduction of plasma cholesterol levels in male retired breeder rats by an anabolic steroid, oxandrolone. Mills ES, et al. Proc Soc Exp Biol Med 144:861-3, Dec 73

ADVERSE EFFECTS

Clotting mechanisms in patients with hypertriglyceridemia during therapy with anabolic or progestational drugs. Glueck HI, et al.
Thromb Diath Haemorrh 29:499-509, 10 May 73

PHARMACODYNAMICS

Reduction of plasma cholesterol levels in male retired breeder rats by an anabolic steroid, oxandrolone. Mills ES, et al. Proc Soc Exp Biol Med 144:861-3, Dec 73

THERAPEUTIC USE

The intravenous fat tolerance test with Intralipid in various types of hyperlipidaemias and comparison between metabolism of Intralipid and VLDL. Rössner S. Adv Exp Med Biol 38:69-85, 1973
Effects of synthetic ACTH on corticosteroid-induced growth suppression. Wright WC, et al.
J Allergy Clin Immunol 53:52-63, Jan 74
Clotting mechanisms in patients with hypertriglyceridemia during therapy with anabolic or progestational drugs. Glueck HI, et al.
Thromb Diath Haemorrh 29:499-509, 10 May 73

OXYMETHOLONE

ADVERSE EFFECTS

Letter: Oxymetholone and hematologic disease. Ginsburg AD. Ann Intern Med 79:914, Dec 73
Editorial: Liver tumours and steroid hormones. Lancet 2:1481, 29 Dec 73
Oxymetholone therapy in children with aplastic and other refractory anaemias. Krawitz S, et al.
S Afr Med J 47:1864-70, 13 Oct 73
[Liver cancer following use of anabolic steroids?] Frey H.
Tidsskr Nor Laegeforen 93:2499-500, 10 Dec 73 (Nor)

METABOLISM

Proceedings: Metabolism of the hydroxymethylene group in the anabolic steroid, oxymetholone: Isolation and identification of two major metabolites. MacDonald BS, et al. J Endocrinol 59:18-9, Nov 73

PHARMACODYNAMICS

Effects of several androgens and steroid metabolites on erythropoietin production in the isolated perfused dog kidney. Paulo LG, et al. Blood 43:39-47, Jan 74
Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. Gynecol Invest 4:108-20, 1973
Editorial: Liver tumours and steroid hormones. Lancet 2:1481, 29 Dec 73

THERAPEUTIC USE

Letter: Oxymetholone and hematologic disease. Ginsburg AD. Ann Intern Med 79:914, Dec 73
Oxymetholone therapy in children with aplastic and other refractory anaemias. Krawitz S, et al.
S Afr Med J 47:1864-70, 13 Oct 73

PREGNANEDIOL

ANALYSIS

Use of chloromethylsilyl ether derivatives for the determination of hydroxylated steroids by gas chromatography-mass spectrometry. Chapman JR, et al. Anal Chem 45:1636-41, Aug 73
Endogenous steroid sulphates and glucuronides in the gallbladder bile from early and mid-term human fetuses. Huhtaniemi I. J Endocrinol 59:503-10, Dec 73
Behaviour of total oestrogen, pregnanediol and creatinine levels in the amniotic fluid in the last weeks of pregnancy. Woytók J, et al.
J Obstet Gynaecol Br Commonw 80:909-11, Oct 73
Proceedings: Central depressant steroids in the ovaries of rats during different phases of the oestrous cycle. Holzbauer M. J Physiol (Lond) 234:96P-97P, Oct 73
[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P.
Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

CHEMICAL SYNTHESIS

6,7-Unsaturated 5 beta-steroids as intermediates for labelling with isotopic hydrogen. Kirk DN, et al. J Chem Soc [Perkin I] 17:1836-9, 1973

METABOLISM

The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossier G, et al. J Reprod Fertil 36:189-76, Jan 74

SECRETION

Correlation of endometrial dating with luteinizing hormone peak. Tredway DR, et al.
Am J Obstet Gynecol 117:1030-3, 15 Dec 73

URINE

Use of small samples of urine to follow ovarian and placental changes in progesterone secretion. Metcalf MG. Am J Obstet Gynecol 117:1041-5, 15 Dec 73
Correlation of endometrial dating with luteinizing hormone peak. Tredway DR, et al.
Am J Obstet Gynecol 117:1030-3, 15 Dec 73
Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. Elstein M, et al. Br Med J 1:11-3, 5 Jan 74
Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al.
Obstet Gynecol 43:87-96, Jan 74
Plasma profile of pituitary gonadotropins and ovarian steroids in the normal menstrual cycle. Pérez-Palacios G, et al. Rev Invest Clin 25:305-13, Oct-Dec 73
Effect of norhydroxyprogesterone caproate on cervical sperm penetration and secretion of ovarian steroids in the human female. Carlborg L.
Ups J Med Sci 78:189-90, Jul 73
[LDH activity (NAD-oxidoreductase 1, 1, 1, 27) in serum

PREGNANEDIOL

- in relation to the hormonal activity of the organism (author's transl)] Cerný J, et al.
Sh Lek 75:369-72, Nov 73 (Eng. Abstr.) (Cze)
[Comparative studies on the induction of ovulation by Follistiman and Pergonal] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Eng. Abstr.) (Ger)
[Possibilities for clinical use of synthetic LH-releasing hormone in gynecology] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1010-8, 27 Jul 73 (Eng. Abstr.) (Ger)
[Comparative studies on enzyme activities in the mucosa of corpus and endocervix uteri under various hormonal conditions. I. Alkaline and acid phosphatases] Hagen H, et al.
Zentralbl Gynaekol 95:1040-54, 27 Jul 73 (Eng. Abstr.) (Ger)
[Determination of pregnanediol in the urine by micro-thin layer chromatography] Kartavova NS.
Lab Delo 10:598-600, 1973 (Rus)
[Pathogenesis of dysfunctional uterine hemorrhages] Dobrotina AF, et al. Sov Med 36:110-4, Apr 73 (Rus)

PREGNANES

The effect of stilboestrol analogues on the metabolism of steroids by the testis and prostate of the rat in vitro. Danutra V, et al. J Endocrinol 59:539-44, Dec 73

ADMINISTRATION & DOSAGE

- [Clinical study of the Ultralan crystal suspension (fluocortolonecapronate)] Buck-Gramcko H.
Med Welt 24:1754-6, 9 Nov 73 (Ger)
[Experiences with the Ultralan crystal suspension in the orthopedic practice] Schöpfer W.
Med Welt 24:1758-8, 9 Nov 73 (Ger)

ANALYSIS

Proceedings: Central depressant steroids in the ovaries of rats during different phases of the oestrous cycle. Holzbauer M. J Physiol (Lond) 234:96P-97P, Oct 73

CHEMICAL SYNTHESIS

- Synthesis and biological activity of some 6,7-dihalo-delta5-pregnenes and some 6,8-dihalo-5,7-cyclo-5beta-pregnane derivatives.
Rosen P, et al. J Med Chem 17:182-4, Feb 74

METABOLISM

- Specificity of the progesterone-binding globulin of the guinea pig. Tan SY, et al.
Endocrinology 91:122-7, Jan 74
Microbiological hydroxylation of steroids. X. 1 beta, 11 alpha-dihydroxylation of 3 beta-hydroxy-5 alpha-pregnan-20-one and the hydroxylation of other 20-oxo-5 alpha-pregnanes with the fungus Aspergillus ochraceus. Clegg AS, et al.
J Chem Soc [Perkin I] 19:2137-41, 1973
The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossler G, et al.
J Reprod Fertil 36:169-76, Jan 74

PHARMACODYNAMICS

- Synthesis and biological activity of some 6,7-dihalo-delta5-pregnenes and some 6,8-dihalo-5,7-cyclo-5beta-pregnane derivatives.
Rosen P, et al. J Med Chem 17:182-4, Feb 74

THERAPEUTIC USE

- [Treatment of "collagen and autoimmune" diseases (author's transl)] Kerl H, et al.
Wien Klin Wochenschr 85:769-74, 23 Nov 73 (Eng. Abstr.) (Ger)

URINE

- Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy.
Shackleton CH, et al.
Acta Endocrinol (Khh) 74:157-67, Sep 73
Metabolism of cortisol by the human newborn infant. Danilescu-Goldinberg D, et al.
J Clin Endocrinol Metab 38:64-70, Jan 74

GONADS

PREGNENES

- Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.
Clin Chem 19:1293-5, Nov 73
Preparation and properties of a cholesterol oxidase from Nocardia sp. and its application to the enzymatic assay of total cholesterol in serum. Richmond W.
Clin Chem 19:1350-6, Dec 73
Oxidation of 21-dehydrocorticosteroids to steroidal 20-Oxo-21-ols by an aldehyde dehydrogenase of sheep adrenal. Monder C, et al.
J Biol Chem 248:8547-54, 25 Dec 73

ANALYSIS

- Steroids from starfish. Sheikh YM, et al.
Steroids 22:835-50, Dec 73

CHEMICAL SYNTHESIS

- Synthesis and biological activity of some 6,7-dihalo-delta5-pregnenes and some 6,8-dihalo-5,7-cyclo-5beta-pregnane derivatives.
Rosen P, et al. J Med Chem 17:182-4, Feb 74

METABOLISM

- The conversion of 23,24-dinor-5-cholesten-3beta-ol to cortisol by the canine adrenal. Tait AD.
Steroids 22:609-13, Nov 73

PHARMACODYNAMICS

- Synthesis and biological activity of some 6,7-dihalo-delta5-pregnenes and some 6,8-dihalo-5,7-cyclo-5beta-pregnane derivatives.
Rosen P, et al. J Med Chem 17:182-4, Feb 74

URINE

- Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy.
Shackleton CH, et al.
Acta Endocrinol (Khh) 74:157-67, Sep 73

PREGNENOLONE

- Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. Gynecol Invest 4:106-20, 1973
In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al.
Steroids 22:731-45, Dec 73
Intracellular distribution and substrate specificity of the 16 alpha-hydroxylase in the adrenal of human fetus. Yamasaki H, et al. Steroids 22:637-58, Nov 73

ANALYSIS

- Ferric chloride-impregnated silica gel for thin-layer chromatography of steroids. Shapiro DR, et al.
Clin Chem 19:1305-6, Nov 73
Endogenous steroid sulphates and glucuronides in the gallbladder bile from early and mid-term human fetuses. Huhtanlehti I. J Endocrinol 59:503-10, Dec 73

BIOSYNTHESIS

- The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. J Biol Chem 249:227-33, 10 Jan 74
Regulation of steroidogenesis by adrenocorticotrophic hormone in isolated adrenal cells of rats. Sharma RK.
J Biol Chem 248:5473-6, 10 Aug 73
Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al.
J Clin Endocrinol Metab 38:99-106, Jan 74
[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

BLOOD

- The relationship between progestins and

GONADS

PROGESTATIONAL

gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Resko JA, et al. *Endocrinology* 91:128-35, Jan 74
Radioimmunoassay method for six steroids in human plasma. Brenner PF, et al. *Steroids* 22:775-94, Dec 73

METABOLISM

In vitro biosynthesis of androgens in canine testes. Oh R, et al. *Acta Endocrinol (Kbh)* 74:615-24, Nov 73
Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. YoungLal EV.
Acta Endocrinol (Kbh) 74:775-82, Dec 73
The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro. Saure A. *Ann Acad Sci Fenn [Med]* 159:1-131, Sep 73
An investigation of progesterone receptors in guinea pig vagina, uterine cervix, mammary glands, pituitary and hypothalamus. Atger M, et al.
Endocrinology 91:161-7, Jan 74
Testosterone formation and metabolism during male sexual differentiation in the human embryo. Slieter PK, et al. *J Clin Endocrinol Metab* 38:113-25, Jan 74
Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73
Proceedings: The biosynthesis and compartmental arrangement of steroids formed from (3H)-pregnenolone and (14C)acetate by interrenal tissue from a teleost fish, *Coregonus clupeoides*. Whitehouse BJ, et al. *J Endocrinol* 59:38-9, Nov 73
Studies on the blockade of progesterone secretion by grafted corpora lutea in the pregnant rat. Gibori G, et al. *J Reprod Fertil* 35:553-5, Dec 73
In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. *Steroids* 22:731-45, Dec 73
[Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Guichard A, et al.
Gen Comp Endocrinol 21:478-84, Dec 73 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. YoungLal EV.
Acta Endocrinol (Kbh) 74:775-82, Dec 73
Porphobilinogen oxygenase from rat liver: induction, isolation, and properties. Tomaro ML, et al.
Biochemistry 12:5263-8, 18 Dec 73
Proceedings: Regulation of human adrenal androstenedione synthesis in vitro. Deshpande N, et al. *J Endocrinol* 59:xxxv, Nov 73
Effect of 5 alpha-dihydroprogesterone, pregn-5-ene-3 20-dione, pregnenolone and related progestins on ovulation in PMSG-treated immature rats. Sridharan BN, et al. *J Reprod Fertil* 35:83-90, Jan 74
Regulation of hepatic glycogen synthesis during fetal development: roles of hydrocortisone, insulin, and insulin receptors. Eisen HJ, et al.
Proc Natl Acad Sci USA 70:3454-7, Dec 73

URINE

Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy. Shackleton CH, et al.
Acta Endocrinol (Kbh) 74:157-87, Sep 73

PROGESTATIONAL HORMONES

ADMINISTRATION & DOSAGE

Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al.
Obstet Gynecol 43:87-96, Jan 74

ADVERSE EFFECTS

Amenorrhoea after discontinuing combined oestrogen-progesterone oral contraceptives. Steele SJ, et al. *Br Med J* 4:343-5, 10 Nov 73
Letter: Liver-cell neoplasms and oral contraceptives. Lingeman CH. *Lancet* 1:64, 12 Jan 74
Low-dosage oral progestogens to control fertility. I.

clinical investigation. Zanartu J, et al.
Obstet Gynecol 43:87-96, Jan 74
[Hormonal contraceptives--psychosomatic aspects] Maass G. *Z Allgemeinmed* 49:1291-4, 30 Sep 73 (Ger)
[Oral contraception and liver function] Bergsjø P. *Tidsskr Nor Laegeforen* 93:583-8, 30 Mar 73 (Eng. Abstr.) (Nor)

ANALYSIS

Proceedings: A cost reductive method for the radioimmunoassay of steroids and prostaglandins. Hennam JF, et al. *J Reprod Fertil* 35:603-4, Dec 73
[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P. *Dtsch Med Wochenschr* 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

BIOSYNTHESIS

[Steroid biosynthesis and secretion by the human testis] Vihko R. *Duodecim* 89:1188-95, 1973 (Fin)

BLOOD

Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al.
J Obstet Gynaecol Br Commonw 80:1095-9, Dec 73
Effect of chorionic gonadotropin on corpus luteum of the monkey. Surve AH, et al.
Proc Soc Exp Biol Med 144:963-8, Dec 73

CHEMICAL SYNTHESIS

Synthesis and biological activity of some 6,7-dihalo-delta5-pregnenes and some 6,8-dihalo-5,7-cyclo-5beta-pregnane derivatives. Rosen P, et al. *J Med Chem* 17:182-4, Feb 74
Influence of 6-azido and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta6-6-substituted progestational series. Teutsch G, et al. *J Med Chem* 16:1370-8, Dec 73

CLASSIFICATION

[Our principles in the selection of steroid contraceptives (author's transl)] Dvořák K, et al. *Cesk Gynecol* 38:610-2, Sep 73 (Cze)

METABOLISM

Metabolism of 6-chloro-9 beta, 10 alpha-pregna-1,4,6-triene-3,20-dione in rat, rabbit, monkey and man. Breuer H, et al.
Acta Endocrinol (Kbh) 74:127-43, Sep 73
Proceedings: Studies on some effects of temperature on the blood-testis barrier in rats. Main SJ, et al. *J Reprod Fertil* 35:587-8, Dec 73
[Progestational hormones and cancer of the endometrium] Lambotte R, et al.
Rev Med Liege 28:662-7, Oct 73 (Fre)
[Progestogen receptor in the uterus of rabbits and rats] Ishihara S, et al.
Folia Endocrinol Jap 49:1254-60, Oct 73 (Eng. Abstr.) (Jap)

PHARMACODYNAMICS

Plasma ovarian hormone levels and fertility in beef heifers treated with melengestrol acetate (MGA). Henricks DM, et al. *J Anim Sci* 37:1169-75, Nov 73
Effect of rams on progestin-treated ewes. Lewis PE, et al. *J Anim Sci* 37:1195-200, Nov 73
Effect of estrogens and a progestogen on platelet adhesiveness and aggregation in rabbits. Mitchell HC. *J Lab Clin Med* 83:79-89, Jan 74
Synthesis and biological activity of some 6,7-dihalo-delta5-pregnenes and some 6,8-dihalo-5,7-cyclo-5beta-pregnane derivatives. Rosen P, et al. *J Med Chem* 17:182-4, Feb 74
Influence of 6-azido and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta6-6-substituted progestational series. Teutsch G, et al. *J Med Chem* 16:1370-8, Dec 73
Chemical and physical characteristics of the macromolecular components of the cervical mucus from cows after synchronization of oestrus with

PROGESTATIONAL

GONADS

- melengestrol acetate. Gihbons RA, et al. *J Reprod Fertil* 35:469-76, Dec 73
- Proceedings: The effects of progestagens and PMSG on peripheral plasma LH levels in the Clun Forest ewe. Lintin K, et al. *J Reprod Fertil* 35:607-9, Dec 73
- Low-dosage oral progestogens to control fertility. I. clinical investigation. Zanartu J, et al. *Obstet Gynecol* 43:87-96, Jan 74
- Observations on the synchronization of oestrus in Sarda sheep. Bonadonna T, et al. *Zentralbl Veterinärmed [A]* 20:395-400, Jul 73
- [The influence of estrogen-gestagen combination preparations on carbohydrate and fat metabolism. II. The effect of Antigest] Göretzlehner G. *Zentralbl Gynaekol* 95:1265-71, 7 Sep 73 (Eng. Abstr.) (Ger)
- [The appearance of pregnancy typical proteins during the use of hormonal contraceptives] Straube W, et al. *Zentralbl Gynaekol* 95:1281-6, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Oral contraception and liver function] Bergsjö P. *Tidsskr Nor Lægeforen* 93:583-8, 30 Mar 73 (Eng. Abstr.) (Nor)

SECRETION

- Termination of pregnancy by hypophysectomy in the pig. Kraeling RR, et al. *J Reprod Fertil* 36:215-7, Jan 74
- Proceedings: Regulation of steroid secretion in sheep ovarian follicles. McIntosh JE, et al. *J Reprod Fertil* 35:605-6, Dec 73

THERAPEUTIC USE

- Proceedings: Hormone-induced and spontaneous regression of metastatic renal cancer. Bloom HJ. *Cancer* 32:1066-71, Nov 73
- Proceedings: Chemotherapy of adenocarcinoma of the kidney. Talley RW. *Cancer* 32:1062-5, Nov 73
- Colorectal endometriosis. Ponka JL, et al. *Dis Colon Rectum* 16:490-9, Nov-Dec 73
- [Indications of hormonal therapy in early pregnancy (author's transl)] Dvořák K. *Cesk Gynecol* 38:651-2, Nov 73 (Cze)
- [Progestational hormones and cancer of the endometrium] Lambotte R, et al. *Rev Med Liege* 28:662-7, Oct 73 (Fre)
- [Use of synthetic progestins in diffuse fibrocystic mastopathy] Manuilova IA, et al. *Sov Med* 35:30-4, Dec 72 (Eng. Abstr.) (Rus)

PROGESTERONE

- Isolation of cytoplasmic glucocorticoid-binding protein(s) from rat liver by means of affinity chromatography, and its partial characterization. Wong KC, et al. *Biochim Biophys Acta* 328:133-44, 11 Nov 73
- Influence of hormones and chemical carcinogen on murine leukaemia. Karande KA, et al. *Br J Cancer* 28:299-309, Oct 73
- 20Alpha-hydroxysteroid dehydrogenase of cultured mammalian (HeLa S3) cells. Hatano-Sato F, et al. *Endocrinol Jap* 20:385-90, Aug 73
- Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al. *Endocrinology* 91:1-16, Jan 74
- Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gjonnaess H. *Gynecol Invest* 4:61-72, 1973
- In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. *Steroids* 22:731-45, Dec 73
- Intracellular distribution and substrate specificity of the 16 alpha-hydroxylase in the adrenal of human fetus. Yamasaki H, et al. *Steroids* 22:637-58, Nov 73
- Hydrogen bonds between sexual hormones and nucleobases: NMR investigations. Schlimmack W, et al. *Z Naturforsch [C]* 28:494-8, Sep-Oct 73
- [The general side effects of oral contraceptives] Pyörälä T. *Duodecim* 89:1626-35, Oct 73 (34 ref.) (Fin)

ADMINISTRATION & DOSAGE

- Progesterone metabolism by proliferative and secretory human endometrium. Collins JA, et al. *Am J Obstet Gynecol* 118:179-85, 15 Jan 74

- Hormonal influences in motility of canine uterine horns. Verma OP, et al. *Am J Vet Res* 35:23-6, Jan 74
- The relationship between progestins and gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Resko JA, et al. *Endocrinology* 91:128-35, Jan 74
- Inhibition of testosterone conversion to dihydrotestosterone in men treated percutaneously by progesterone. Mauvais-Jarvis P, et al. *J Clin Endocrinol Metab* 38:142-7, Jan 74
- Proceedings: The post-coital antifertility action of 2-isopropylamino-ethanol in the rat. Swift PJ, et al. *J Reprod Fertil* 35:625-6, Dec 73
- Multiple progesterone injections and the duration of estrus in ovariectomized guinea pigs. Morin LP, et al. *Physiol Behav* 11:861-5, Dec 73
- Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73
- The influence of estradiol-17 beta dipropionate-progesterone ratios on uterine glycogen in the rat. Garrison BM, et al. *Steroids* 22:659-65, Nov 73
- [Effect of long-term administration of oral contraceptives on liver function] Fahian B, et al. *Cesk Gastroenterol Vyz* 27:552-4, Dec 73 (Cze)
- [The general side effects of oral contraceptives] Pyörälä T. *Duodecim* 89:1626-35, Oct 73 (34 ref.) (Fin)

ADVERSE EFFECTS

- Cancer and stilbestrol. A follow-up of 1,719 persons exposed to estrogens in utero and born 1943-1959. Lanier AP, et al. *Mayo Clin Proc* 48:793-9, Nov 73
- [Gynecologic side effects of oral contraceptives] Hirvonen E. *Duodecim* 89:1618-25, Oct 73 (Fin)

ANALYSIS

- Progesterone metabolism by proliferative and secretory human endometrium. Collins JA, et al. *Am J Obstet Gynecol* 118:179-85, 15 Jan 74
- Radioimmunoassay of plasma progesterone. Cameron EH, et al. *Clin Chem* 19:1403-8, Dec 73
- Proceedings: Central depressant steroids in the ovaries of rats during different phases of the oestrous cycle. Holzbauer M. *J Physiol (Lond)* 234:96P-97P, Oct 73
- Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al. *Obstet Gynecol* 42:903-6, Dec 73
- [Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P. *Dtsch Med Wochenschr* 98:2146-50, 9 Nov 73 (56 ref.) (Ger)
- [Polymorphism of progesterone. II. Use of differential calorimetry in the study of crystalline forms] Cameron R, et al. *Farmaco [Prat]* 28:636-41, Dec 73 (Eng. Abstr.) (Ita)
- [Radioimmunoassay of sex steroid hormones. 5. Radioimmunoassay of progesterone] Yoshida T, et al. *Clin Endocrinol (Tokyo)* 21:979-85, Sep 73 (Jap)

BIOSYNTHESIS

- Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. *Gynecol Invest* 4:106-20, 1973
- Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al. *J Clin Endocrinol Metab* 38:99-106, Jan 74
- Proceedings: Two theories: the preimplantation embryo is a source of steroid hormones controlling (1) morula-blastocyst transformation and (2) implantation. Dickman Z, et al. *J Reprod Fertil* 35:615-7, Dec 73
- Studies on the blockade of progesterone secretion by grafted corpora lutea in the pregnant rat. Glibor G, et al. *J Reprod Fertil* 35:553-5, Dec 73
- [Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blumck W. *Monatsschr Kinderheilkd* 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

GONADS

PROGESTERONE

[Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

BLOOD

Peripheral plasma levels of oestrone, oestradiol-17beta and progesterone during ovulatory menstrual cycles in the rhesus monkey with special reference to the onset of menstruation. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:732-42, Dec 73

Patterns of circulating oestrone, oestradiol-17beta and progesterone during pregnancy in the rhesus monkey. Bosu WT, et al.
Acta Endocrinol (Kbh) 74:743-55, Dec 73

A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. Cohen M, et al.
Am J Obstet Gynecol 118:200-9, 15 Jan 74

The effect of estradiol replacement therapy on early pregnant luteotomized patients. Csapo AI, et al.
Am J Obstet Gynecol 117:987-90, 1 Dec 73

Circulating prolactin levels during the menstrual cycle: episodic release and diurnal variation. Ehara Y, et al.
Am J Obstet Gynecol 117:982-70, 1 Dec 73

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.
Am J Obstet Gynecol 117:955-61, 1 Dec 73

Midtrimester abortion induced with a single intra-amniotic instillation of prostaglandin F2 alpha. Lauenstein NH, et al.
Am J Obstet Gynecol 118:210-7, 15 Jan 74

Premature onset of menstrual bleeding during ovulatory cycles in women with an intrauterine contraceptive device. Nygren KG, et al.
Am J Obstet Gynecol 117:971-5, 1 Dec 73

Plasma human chorionic gonadotropin, estrone, estradiol, estril, progesterone, and 17 alpha-hydroxyprogesterone in human pregnancy. 3. Early normal pregnancy. Tulchinsky D, et al.
Am J Obstet Gynecol 117:884-93, 1 Dec 73

The appearance of some blood-borne substances during human pregnancy. Bhansali KG, et al.
Am J Pharm 145:201-5, Nov-Dec 73

Luteolysis, luteostasis, and the effect of prostaglandin F2 alpha in cows after endometrial irritation. Sequin BE, et al.
Am J Vet Res 35:57-61, Jan 74

Rivanol-induced mid-trimester abortion (report on 200 cases). Fylling P, et al.
Arch Gynaecol 215:359-63, 1973

Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Rao CV, et al.
Biochem Biophys Res Commun 54:744-50, 18 Sep 73

Radioimmunoassay of plasma progesterone. Cameron EH, et al.
Clin Chem 19:1403-8, Dec 73

Microdetermination of adrenocortical steroids by double isotope method. 3. Distribution and incorporation of corticosteroids into human blood cell fractions. Kunugi A, et al.
Endocrinol Jap 20:397-405, Aug 73

Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74

The relationship between progestins and gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Resko JA, et al.
Endocrinology 91:128-35, Jan 74

A preliminary study upon the use of prostaglandins for inducing oestrus in non-cycling thoroughbred mares. Allen WR, et al.
Equine Vet J 5:137-40, Oct 73

Prostaglandin F2a and primate corpus luteum: a correlation of structure and function. Kirton KT, et al.
Fertil Steril 24:926-34, Dec 73

Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle. Ecbertkamp SE, et al.
J Anim Sci 37:1362-70, Dec 73

Plasma ovarian hormone levels and fertility in beef heifers treated with melengestrol acetate (MGA). Henricks DM, et al.
J Anim Sci 37:1169-75, Nov 73

Peripheral plasma progesterone and corticoid levels at parturition in the sow. Killian DB, et al.
J Anim Sci 37:1371-5, Dec 73

Radioimmunoassay of estradiol-17beta without chromatography. England BG, et al.
J Clin Endocrinol Metab 38:42-50, Jan 74

Measurement of plasma LH, FSH, estradiol and progesterone in disorders of the human menstrual cycle: the short luteal phase. Sherman BM, et al.
J Clin Endocrinol Metab 38:89-93, Jan 74

Progesterone concentrations in the peripheral plasma of the blue fox (*Alopex lagopus*) during pregnancy

and the oestrous cycle. Moller OM.
J Endocrinol 59:429-38, Dec 73

Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al.
J Obstet Gynaecol Br Commonw 80:1095-9, Dec 73

Pro-oestrous surge in plasma progesterone in the cow. Ayalon N, et al.
J Reprod Fertil 36:239-43, Jan 74

Proceedings: The effect of HCG on follicular activity in the cow. Dobson H. J Reprod Fertil 35:605, Dec 73

Proceedings: The effects of synthetic gonadotrophin-releasing factor on ovarian function in anoestrous ewes. Haresign W, et al.
J Reprod Fertil 35:600-1, Dec 73

Proceedings: The effects of progestagens and PMSG on peripheral plasma LH levels in the Ciun Forest ewe. Linton K, et al.
J Reprod Fertil 35:607-9, Dec 73

Proceedings: Development of a potent antiserum to prostaglandin F and measurement of prostaglandin F in the peripheral circulation of parturient sheep. Sharma SC, et al.
J Reprod Fertil 35:598-9, Dec 73

Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74

Serum progestins and luteinizing hormone levels in non-suckled primiparous belfers. Tribble RL, et al.
Nature 246:494-5, 21 Dec 73

Multiple progesterone injections and the duration of estrus in ovariectomized guinea pigs. Morin LP, et al.
Physiol Behav 11:861-5, Dec 73

Arterial-venous differences in gonadotropin concentration across the ovary of sheep during different reproductive states. Clemanec JL, et al.
Proc Soc Exp Biol Med 144:99-105, 1 Oct 73

Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-bCG-treated rats. Colombo JA, et al.
Proc Soc Exp Biol Med 144:999-1001, Dec 73

Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al.
Proc Soc Exp Biol Med 144:923-6, Dec 73

Plasma profile of pituitary gonadotropins and ovarian steroids in the normal menstrual cycle. Pérez-Palacios G, et al.
Rev Invest Clin 25:305-13, Oct-Dec 73

Radioimmunoassay method for six steroids in human plasma. Brenner PF, et al.
Steroids 22:775-94, Dec 73

Effect of norhydroxyprogesterone caproate on cervical sperm penetration and secretion of ovarian steroids in the human female. Carlborg L.
Ups J Med Sci 78:189-90, Jul 73

[Determination of progesterone in plasma by thin-layer densitometry (author's transl)] Egg D.
J Chromatogr 86:151-7, 7 Nov 73 (Eng. Abstr.) (Ger)

[Possibilities for clinical use of synthetic LH-releasing hormone in gynecology] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1010-8, 27 Jul 73 (Eng. Abstr.) (Ger)

[Radioimmunoassay of sex steroid hormones. 5. Radioimmunoassay of progesterone] Yoshida T, et al.
Clin Endocrinol (Tokyo) 21:979-85, Sep 73 (Jap)

CHEMICAL SYNTHESIS

[Polymorphism of progesterone. I. Preparation and characterization of polymorphic forms] Cameron R, et al.
Farmaco [Prat] 28:621-35, Dec 73 (Eng. Abstr.) (Ita)

DIAGNOSTIC USE

[Correlation of the progesterone test with total gonadotropic activity in urine and vaginal cytology (author's transl)] Kóiblová V, et al.
Cesk Gynecol 38:623-4, Sep 73 (Cze)

ISOLATION & PURIFICATION

The use of antisera covalently coupled to agarose, cellulose and sephadex in radioimmunoassay systems for proteins and haptens. Bolton AE, et al.
Biochim Biophys Acta 329:318-30, 5 Dec 73

METABOLISM

In vitro biosynthesis of androgens in canine testes. Oh R, et al.
Acta Endocrinol (Kbh) 74:615-24, Nov 73

Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea.

PROGESTERONE

GONADS

- YoungLai EV.
Acta Endocrinol (Kbh) 74:775-82, Dec 73
Progesterone metabolism by proliferative and secretory human endometrium. Collins JA, et al.
Am J Obstet Gynecol 118:179-85, 15 Jan 74
The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro. Saure A.
Ann Acad Sci Fenn [Med] 159:1-131, Sep 73
Testosterone binding in the chick oviduct. Harrison RW, et al.
Biochem Biophys Res Commun 55:857-63, 10 Dec 73
Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Rao CV, et al.
Biochem Biophys Res Commun 54:744-50, 18 Sep 73
Progesterone-binding protein in human myometrium. Ligand specificity and some physicochemical characteristics. Lontula K, et al.
Biochim Biophys Acta 328:145-53, 11 Nov 73
Identification and partial characterization of specific estrogen receptors in the vole (*Microtus montanus*). Beers PC, et al.
Comp Biochem Physiol [B] 46:647-52, Dec 73
An investigation of progesterone receptors in guinea pig vagina, uterine cervix, mammary glands, pituitary and hypothalamus. Atger M, et al.
Endocrinology 91:161-7, Jan 74
Localization of enzymes involved in testosterone biosynthesis by the mouse testis. Samuels LT, et al.
Endocrinology 91:55-60, Jan 74
Specificity of the progesterone-binding globulin of the guinea pig. Tan SY, et al.
Endocrinology 91:122-7, Jan 74
Progesterone metabolism in vitro by mouse testes at different stages of development. Tsujimura T, et al.
Endocrinology 91:288-90, Jan 74
Estrogen-progesterone interactions in uterus and brain of intact and adrenalectomized immature and adult rats. Wbalen RE, et al. Endocrinology 91:214-23, Jan 74
Whole mammary gland organ culture: selection of appropriate gland. Banerjee MR, et al.
In Vitro 9:129-33, Sep-Oct 73
Testosterone formation and metabolism during male sexual differentiation in the human embryo. Silteri PK, et al. J Clin Endocrinol Metab 38:113-25, Jan 74
Proceedings: (3H)progesterone-binding to tissues of the human reproductive tract. Crocker SG, et al.
J Endocrinol 59:17-8, Nov 73
Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. J Endocrinol 59:637-49, Dec 73
Proceedings: Progesterone-macromolecular interactions in preparations of human placental villous surface membrane. Smith NC, et al.
J Endocrinol 59:xvii, Nov 73
The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossier G, et al.
J Reprod Fertil 36:169-76, Jan 74
[Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Gulchard A, et al.
Gen Comp Endocrinol 21:478-84, Dec 73 (Eng. Abstr.) (Fre)
[Progesterone-receptor] Kato J.
Clin Endocrinol (Tokyo) 31:821-30, Aug 73 (58 ref.) (Jap)

PHARMACODYNAMICS

- Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Krishnan AR, et al.
Acta Endocrinol (Kbh) 74:756-68, Dec 73
Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. YoungLai EV.
Acta Endocrinol (Kbh) 74:775-82, Dec 73
Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexyldienemethane. Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973
On the effect of a polypeptide isolated from "Kalata-Kalata" (*Oidenlandia affinis* DC) on the oestrogen dominated uterus. Gran L.
Acta Pharmacol Toxicol (Kbh) 33:400-8, 1973
Effect of sexual steroids and androgen sterilization on avoidance and exploratory behaviour in the rat. Telegdy G, et al.
Acta Physiol Acad Sci Hung 43:55-63, 1973

- Hormonal influences in motility of canine uterine horns. Verma OP, et al. Am J Vet Res 35:23-6, Jan 74
Histone acetylation and hormone action. Early effects of aldosterone on histone acetylation in rat kidney. Libby PR. Biochem J 134:907-12, Aug 73
Porphobilinogen oxygenase from rat liver: induction, isolation, and properties. Tomaro ML, et al.
Biochemistry 12:5263-8, 18 Dec 73
Steroid 1-dehydrogenation and side-chain degradation enzymes in the life cycle of *Fusarium solani*. Hafez-Zedan H, et al.
Biochim Biophys Acta 326:102-15, 17 Oct 73
Estrogen-induced differentiation of the oviductal epithelium in prepubertal dogs. Verhage HG, et al.
Biol Reprod 9:475-88, Dec 73
Protective effect of benzoflavone and estrogen against 7,12-dimethylbenz(a)anthracene- and aflatoxin-induced cytotoxicity in cultured liver cells. Schwartz AG. Cancer Res 34:10-5, Jan 74
Reduction of maternal nest building in female mice by testosterone propionate treatment. Gandelman R. Dev Psychobiol 6:539-46, Nov 73
Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74
The relationship between progestins and gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Resko JA, et al.
Endocrinology 91:128-35, Jan 74
The effect of oxythiamine on rat ovidimplantation. Deb C, et al. Fertil Steril 24:962-71, Dec 73
Prenatal hormones and human behavior. Ehrhardt AA, et al. Ill Med J 141:386-9, Apr 73
Effects of ovariectomy, dexamethasone and progesterone on the maintenance of pregnancy in swine. First NL, et al. J Anim Sci 37:1191-4, Nov 73
Cyclic variation of rate of carbon monoxide production in normal women. Delivoria-Papadopoulos M, et al.
J Appl Physiol 36:49-51, Jan 74
Purification and properties of a progesterone-induced basic glycoprotein from the uterine fluids of pigs. Chen TT, et al. J Biol Chem 248:8560-6, 25 Dec 73
Inhibition of testosterone conversion to dihydrotestosterone in men treated percutaneously by progesterone. Mauvais-Jarvis P, et al.
J Clin Endocrinol Metab 38:142-7, Jan 74
Proceedings: Regulation of human adrenal androstenedione synthesis in vitro. Deshpande N, et al. J Endocrinol 59:xxxv, Nov 73
Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
Progesterone and oestrogen and the initiation of lactation in ewes. Hartmann PE, et al.
J Endocrinol 59:249-59, Nov 73
Proceedings: Effect of sex steroids on the pituitary responsiveness to synthetic luteinizing hormone releasing hormone in the male dog. Jones GE, et al.
J Endocrinol 59:xv, Nov 73
Metabolism of RNA and pyrimidine nucleotides in the uterus during the early decidual cell reaction. Miller BG. J Endocrinol 59:275-83, Nov 73
Unit activity in the paraventricular nucleus of female rats at different stages of the reproductive cycle and after ovariectomy, with or without oestrogen or progesterone treatment. Negoro H, et al.
J Endocrinol 59:545-58, Dec 73
Reflex activation of paraventricular nucleus units during the reproductive cycle and in ovariectomized rats treated with oestrogen or progesterone. Negoro H, et al. J Endocrinol 59:559-67, Dec 73
The role of electrolytes of the endometrium and uterine fluid during delayed implantation in rats. Setty BS, et al. J Endocrinol 59:461-4, Dec 73
Synthesis and biological properties of (2-L-beta-(pyrazolyl-3)alanine)-luteinizing hormone-releasing hormone. Coy DH, et al.
J Med Chem 17:140-2, Jan 74
Influence of 6-azido and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta6-6-substituted progestational series. Teutsch G, et al. J Med Chem 16:1370-6, Dec 73
Steroid-induced nuclear binding of glucocorticoid receptors in intact hepatoma cells. Rousseau GG, et al.
J Mol Biol 79:539-54, 25 Sep 73
Comparative study of protein biosynthesis in mice

- susceptible and resistant to breast cancer. Sheth NA, et al. *J Natl Cancer Inst* 51:1977-9, Dec 73
- A reconsideration of the secretory function of the human endometrium. Datnow AD.
J Obstet Gynaecol Br Commonw 80:865-71, Oct 73 (39 ref.)
- The effect of estrogen, progesterone and cortisol on gingival inflammation. Deasy MJ, et al.
J Periodont Res 7:111-24, 1972
- The microvasculature of the rabbit gingiva as affected by progesterone: an ultrastructural study. Mohamed AH, et al. *J Periodontol* 45:50-60, Jan 74
- Proceedings: Pregnancy in the infant rabbit. Ahhott M. *J Reprod Fertil* 35:620-1, Dec 73
- Studies on sperm capacitation. I. The relationship between a guinea-pig sperm-coating antigen and a sperm capacitation phenomenon. Aonuma S, et al. *J Reprod Fertil* 35:425-32, Dec 73
- Autoradiographic studies on (3H)estradiol localization in the blastocysts and uterus of rats during delayed implantation. Prasad MR, et al. *J Reprod Fertil* 36:75-81, Jan 74
- Proceedings: The effect of the administration of progesterone on the initiation of parturition in the goat. Rawlings NC, et al.
J Reprod Fertil 35:606-7, Dec 73
- Effect of 5 alpha-dihydroprogesterone, pregn-5-ene-3 20-dione, pregnenolone and related progestins on ovulation in PMSG-treated immature rats. Sridharan BN, et al. *J Reprod Fertil* 36:83-90, Jan 74
- Synergistic effects of oestrogen and progesterone on ovomucoid and conalbumin mRNA synthesis in chick oviduct. Palmiter RD, et al.
- Nature [New Biol] 246:74-6, 21 Nov 73
- The effect of oxytocin on renal blood flow and its distribution in the dog. Barnes AB.
Nephron 11:40-57, 1973
- Multiple progesterone injections and the duration of estrus in ovariectomized guinea pigs. Morin LP, et al. *Physiol Behav* 11:861-5, Dec 73
- Regulation of hepatic glycogen synthesis during fetal development: roles of hydrocortisone, insulin, and insulin receptors. Eisen HJ, et al.
Proc Natl Acad Sci USA 70:3454-7, Dec 73
- Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colomho JA, et al.
Proc Soc Exp Biol Med 144:999-1001, Dec 73
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colomho JA, et al.
Proc Soc Exp Biol Med 144:1002-5, Dec 73
- Steroid pellets and venous diameter in orchidectomized, ovariectomized, and ovariectomized-hysterectomized mice. Forbes TR, et al. *Proc Soc Exp Biol Med* 144:356-8, 1 Oct 73
- Effects of progesterone or cyproterone acetate on androgen uptake in the brain, pituitary and peripheral tissues. Sar M, et al.
Proc Soc Exp Biol Med 144:26-9, 1 Oct 73
- Potentiation of luteinizing hormone-releasing factor activities following pentobarbital anesthesia in the steroid-blocked castrated rat. Wedig JH, et al.
Proc Soc Exp Biol Med 144:993-8, Dec 73
- Compensatory ovulation after unilateral ovariectomy in immature rats primed with gonadotropins. Ying SY, et al. *Proc Soc Exp Biol Med* 144:22-5, 1 Oct 73
- The influence of estradiol-17 beta dipropionate-progesterone ratios on uterine glycogen in the rat. Garrison BM, et al.
Steroids 22:659-65, Nov 73
- Uterine stromal morphology of the spayed virgin rat when prepared with progesterone and oestrogen for implantation. Ljungkvist I.
Z Anat Entwicklungsgesch 141:161-9, 1973
- [Mechanisms of action of oral contraceptives] Vihko R. *Duodecim* 89:1612-7, Oct 73 (14 ref.) (Fin)
- [The synthesis of DNA in oocytes of *Xenopus laevis*] De Schutter A, et al.
Arch Int Physiol Biochim 81:798, Oct 73 (Fre)
- [Histomorphological modifications of the gingiva in rats treated with oestrogen-progestins] Graziano V, et al. *Minerva Stomatol* 22:26-31, Jan-Feb 73 (Eng. Abstr.) (Ita)
- [Viruses and mammary cancer. A survey (author's transl)] Ulvund MJ.
Nord Vet Med 25:451-63, Sep 73 (71 ref.) (Eng. Abstr.) (Nor)
- [Drugs inhibiting contractions] Bergajo P.

Tidsskr Nor Laegeforen 93:2327-30, 10 Nov 73 (25 ref.) (Nor)

PHYSIOLOGY

- The effect of estradiol replacement therapy on early pregnant luteotomized patients. Csapo AI, et al. *Am J Obstet Gynecol* 117:987-90, 1 Dec 73
- Male and female differentiation of the human gonad. Boczkowski K. *Clin Genet* 4:213-9, 1973
- Electrophysiological observations of uterine motility during the oestrous cycle in sheep. Naaktgehooren C, et al. *J Reprod Fertil* 35:511-8, Dec 73
- [Sex hormones] Sugawa T.
Clin Endocrinol (Tokyo) 21:805-12, Aug 73 (8 ref.) (Jap)
- [Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.
Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)
- [Hormonal function of the placenta] Bagramian ER. *Sov Med* 35:66-71, Dec 72 (36 ref.) (Rus)

SECRETION

- Use of small samples of urine to follow ovarian and placental changes in progesterone secretion. Metcalf MG. *Am J Obstet Gynecol* 117:1041-5, 15 Dec 73
- Development and maintenance of the oviductal epithelium during the estrous cycle in the bitch. Verhage HG, et al. *Biol Reprod* 9:460-74, Dec 73
- Progravid phase of the rat reproductive cycle: daily changes in the in vitro RNA synthesis and progesterin secretion by isolated corpora lutea. Bartosik D, et al. *Endocrinology* 91:45-8, Jan 74
- Studies on the blockade of progesterone secretion by grafted corpora lutea in the pregnant rat. Gliori G, et al. *J Reprod Fertil* 35:553-5, Dec 73
- Proceedings: Hypotheses regarding the etiology of breast cancer. Cole P.
Proc Natl Cancer Conf 7:657-61, 1973 (27 ref.)
- Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH. Macdonald GJ, et al.
Proc Soc Exp Biol Med 144:923-6, Dec 73
- [Endocrinological analysis of Takayasu's disease (author's transl)] Numano F, et al.
J Jap Soc Intern Med 62:918-29, Aug 73 (Jap)

THERAPEUTIC USE

- An evaluation of the androgenic activity in threatened abortion. Krawczuk A, et al.
Endokrinologie 61:161-7, May 73
- Whole mammary gland organ culture: selection of appropriate gland. Banerjee MR, et al.
In Vitro 9:129-33, Sep-Oct 73
- [Oestrogen therapy in pregnancy threatened by haemorrhage (author's transl)] Dráč P, et al. *Cesk Gynecol* 38:652-4, Nov 73 (Cze)
- [Progesterone in relaxation of the pelvic conjunctions during pregnancy (author's transl)] Ulrych J, et al. *Cesk Gynecol* 38:655-6, Nov 73 (Cze)
- [Expedient pharmacotherapy in child gynaecology (author's transl)] Veselý K.
Cesk Gynecol 38:683-4, Nov 73 (Cze)
- [Amenorrhea and behaviour disorders. Clinical case treated by psychotherapeutic methods based on cybernetic features of G. Cipollina Mangiamelli] Cipollina Mangiamelli G.
Minerva Med 64:3765-9, 13 Oct 73 (Eng. Abstr.) (Ita)
- [Late results of treating cervical endometriosis and retrocervical endometriosis with synthetic progestins] Kravkova EV, et al.
Akush Ginekol (Mosk) 49:30-2, May 73 (Eng. Abstr.) (Rus)
- [Adrenal hormone content in the plasma and urine during treatment with estrogen-gestagen preparations] Rotkina IE.
Akush Ginekol (Mosk) 49:63-6, Aug 73 (Rus)
- [Gonadotropin and progesterone for stimulating the sexual function in cows] Cheremisinov GA. *Veterinariia* 3:80-2, Feb 73 (Rus)

RELAXIN

ANALYSIS

- Relaxin in ovarian tissue during different reproductive

RELAXIN

stages in the rat. Anderson LL, et al.
J Endocrinol 59:371-2, Nov 73

PHYSIOLOGY

[Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

SEX HORMONES

Possible mechanisms of human teratogenesis by imperfect potato. Gal I.
Humangenetik 19:311-4, 20 Sep 73
 Hydrogen bonds between sexual hormones and nucleobases: NMR investigations. Schlimmack W, et al. *Z Naturforsch [C]* 28:494-8, Sep-Oct 73

ADMINISTRATION & DOSAGE

[Internal therapy of metastasizing breast cancer] Strik WO, et al. *Med Welt* 24:1261-5, 24 Aug 73 (Ger)

BLOOD

Editorial: Hormones and homosexuality. Kolodny RC, et al. *Ann Intern Med* 79:897, Dec 73
 [Mechanisms of action of oral contraceptives] Vihko R. *Duodecim* 89:1612-7, Oct 73 (14 ref.) (Fin)

METABOLISM

Hydrogen transfer from NADPH to steroid by testicular 20 alpha-hydroxysteroid dehydrogenase: stereospecificity and isotope effect. Hatano-Sato F, et al. *J Biochem (Tokyo)* 74:1065-7, Nov 73

PHARMACODYNAMICS

Effect of sexual steroids and androgen sterilization on avoidance and exploratory behaviour in the rat. Telegdy G, et al.
Acta Physiol Acad Sci Hung 43:55-63, 1973
 Effect of hypophysectomy on sex transformation in frog tadpoles. Hsu CY, et al.
Endocrinol Jap 20:391-5, Aug 73
 Sex differentiation of the gonad of fry transplanted into the anterior chamber of the adult eye in the teleost, *Oryzias latipes*. Sato N.
J Embryol Exp Morphol 30:345-58, Oct 73
 Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
 Proceedings: Effect of sex steroids on the pituitary responsiveness to synthetic luteinizing hormone releasing hormone in the male dog. Jones GE, et al.
J Endocrinol 59:xv, Nov 73
 Unit activity in the paraventricular nucleus of female rats at different stages of the reproductive cycle and after ovariectomy, with or without oestrogen or progesterone treatment. Negro H, et al.
J Endocrinol 59:545-58, Dec 73
 Relationships between sex hormones and fructose metabolism in rat livers. Hay AW, et al.
Proc Nutr Soc 32:33A-34A, May 73
 Steroid pellets and venous diameter in orchidectomized, ovariectomized, and ovariectomized-hysterectomized mice. Forhes TR, et al. *Proc Soc Exp Biol Med* 144:356-8, 1 Oct 73
 [Effect of sex hormones on porphyrin metabolism in model studies] Simon N, et al.
Dermatol Monatsschr 159:868-71, Sep 73 (Eng. Abstr.) (Ger)
 [Action of LH-RH in vitro] Mori H, et al.
Clin Endocrinol (Tokyo) 21:897-903, Sep 73 (24 ref.) (Jap)

PHYSIOLOGY

Hormonal influences in motility of canine uterine horns. Verma OP, et al. *Am J Vet Res* 35:23-8, Jan 74
 Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al.
Brain Res 60:393-410, 12 Oct 73
 Proceedings: Etiology, epidemiology, and pathology of prostatic cancer. Franks LM. *Cancer* 32:1092-5, Nov 73
 Growth characteristics of chemically induced rat mammary tumors in autochthonous and secondary hosts. Takizawa S, et al. *Gann* 64:465-74, Oct 73

GONADS

Relationships between sex hormones and fructose metabolism in rat livers. Hay AW, et al.
Proc Nutr Soc 32:33A-34A, May 73
 [Sex hormones] Sugawa T.
Clin Endocrinol (Tokyo) 21:805-12, Aug 73 (8 ref.) (Jap)
 [Effect of a sexual crisis on physiological jaundice in the newborn] Zuhovich VK, et al.
Vopr Okhr Materin Det 18:55-8, Jan 73 (Eng. Abstr.) (Rus)

SECRETION

Editorial: Hormones and homosexuality. Kolodny RC, et al. *Ann Intern Med* 79:897, Dec 73

THERAPEUTIC USE

Proceedings: Prostate carcinoma: external irradiation as definitive treatment. Bagshaw MA, et al.
Proc Natl Cancer Conf 7:761-7, 1973
 Proceedings: Management of advanced breast cancer. Fracchia AA, et al. *Proc Natl Cancer Conf* 7:303-7, 1973
 Proceedings: Current results from treatment of renal cell carcinoma. Murphy GP.
Proc Natl Cancer Conf 7:751-9, 1973 (54 ref.)
 [Premenstrual syndrome and its treatment] Kuznetsova MN.
Akush Ginekol (Mosk) 49:55-9, May 73 (Rus)

URINE

Editorial: Hormones and homosexuality. Kolodny RC, et al. *Ann Intern Med* 79:897, Dec 73

STANOLONE

ADMINISTRATION & DOSAGE

Inhibition of erythropoietin production by cyproterone acetate. Harvey SR, et al. *Urology* 1:121-4, Feb 73

ANALYSIS

Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Ganjam VK, et al.
Acta Endocrinol (Kbh) 74:186-200, Sep 73
 Determination of plasma testosterone and dihydrotestosterone in women affected by simple hirsutism. I. Sclarra F, et al.
Folia Endocrinol (Roma) 26:281-7, Aug 73

BIOSYNTHESIS

Testosterone formation and metabolism during male sexual differentiation in the human embryo. Silteri PK, et al. *J Clin Endocrinol Metab* 38:113-25, Jan 74
 Dihydrotestosterone formation in vitro in the epididymis of the domestic fowl. Nakamura T, et al.
J Endocrinol 59:651-2, Dec 73
 [Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al.
Folia Endocrinol (Roma) 26:268-80, Aug 73 (Eng. Abstr.) (Ita)

BLOOD

Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Ganjam VK, et al.
Acta Endocrinol (Kbh) 74:186-200, Sep 73
 A simple radioimmunoassay for testosterone. Lox CD, et al. *Am J Obstet Gynecol* 118:114-8, 1 Jan 74
 Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. Wieland RG, et al.
Am J Obstet Gynecol 117:983-6, 1 Dec 73
 Determination of plasma testosterone and dihydrotestosterone in women affected by simple hirsutism. I. Sclarra F, et al.
Folia Endocrinol (Roma) 26:281-7, Aug 73
 Plasma concentrations of testosterone and dihydrotestosterone during the menstrual cycle of women affected by simple hirsutism. II. Sclarra F, et al. *Folia Endocrinol (Roma)* 26:288-92, Aug 73
 [Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al.

GONADS

TESTOSTERONE

Folia Endocrinol (Roma) 26:268-80, Aug 73 (Eng. Abstr.) (Ita)

METABOLISM

- Detection of (3H)5 alpha-androstane-3 alpha,17 beta-diol and 3H17 beta hydroxy-5 alpha-androstan-3-one in mouse testes following administration of (3H) testosterone. Kasai H, et al. Acta Endocrinol (Kbh) 74:177-85, Sep 73
- Testosterone binding in the chick oviduct. Harrison RW, et al. Blochem Biophys Res Commun 55:857-63, 10 Dec 73
- Identification and partial characterization of specific estrogen receptors in the vole (*Microtus montanus*). Beers PC, et al. Comp Blochem Physiol [B] 46:647-52, Dec 73
- 5 Alpha-dihydrotestosterone "receptor" in the rat hypothalamus. Kato J, et al. Endocrinol Jap 20:429-32, Aug 73
- Metabolism of testosterone and dihydrotestosterone in the hirsute female. Concolino G, et al. Folia Endocrinol (Roma) 26:293-307, Aug 73
- Determination of plasma testosterone and dihydrotestosterone in women affected by simple hirsutism. I. Sciarra F, et al. Folia Endocrinol (Roma) 26:281-7, Aug 73
- Inhibition of testosterone conversion to dihydrotestosterone in men treated percutaneously by progesterone. Mauvais-Jarvis P, et al. J Clin Endocrinol Metab 38:142-7, Jan 74
- Proceedings: The passage of (3H) testosterone into the cauda epididymidis of the rat. Back DJ. J Reprod Fertil 35:586-7, Dec 73
- FSH stimulation of testicular androgen binding protein. Hansson V, et al. Nature [New Biol] 246:56-8, 14 Nov 73
- The effect of parathion on the metabolism of 3H-testosterone by hepatic microsomal enzymes from the male mouse. Stevens JT. Pharmacology 10:220-5, 1973

PHARMACODYNAMICS

- Male and female sexual responses in male rats given estradiol benzoate and 5 alpha-androstan-17 beta-ol-3-one propionate. Feder HH, et al. Endocrinology 91:136-41, Jan 74
- Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al. Endocrinology 91:1-16, Jan 74
- Hormonal effects on prostatic acid phosphatase synthesis in tissue culture. Ban RW, et al. Invest Urol 11:308-11, Jan 74
- Proceedings: Effect of testosterone metabolites on sperm maturation in the epididymis of castrated hamsters. Lubicz-Nawrocki CM. J Reprod Fertil 35:588-9, Dec 73
- Response of rabbit testicular capsular contractions to testosterone, prostaglandin E1, and isoproterenol in vitro and in vivo. Seeley RR, et al. Proc Soc Exp Biol Med 144:329-32, 1 Oct 73
- The effect of dihydrotestosterone in combination with ovariectomy on intranuclear inclusions in mammothrophs of the Mongolian gerbil. Nickerson PA, et al. Tissue Cell 5:697-702, 1973
- Inhibition of erythropoietin production by cyproterone acetate. Harvey SR, et al. Urology 1:121-4, Feb 73
- [Biologic-psychiatric considerations for treatment of disturbances of sexual impotence (author's transl)] Benkert O. Andrologie 5:235-43, 1973 (Eng. Abstr.) (Ger)
- [A new method for studying influences of oecology on spermatogenesis in the rat (author's transl)] Mauss J. Andrologie 5:159-62, 1973 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Mesterolone in steatosis and cirrhosis of the liver. Figueroa RB. Acta Hepatogastroenterol (Stuttg) 20:282-90, Jul-Aug 73
- [Biologic-psychiatric considerations for treatment of disturbances of sexual impotence (author's transl)] Benkert O. Andrologie 5:235-43, 1973 (Eng. Abstr.) (Ger)

TESTOLACTONE

BIOSYNTHESIS

- Steroid 1-dehydrogenation and side-chain degradation enzymes in the life cycle of *Fusarium solani*. Hafez-Zedan H, et al. Biochim Biophys Acta 326:102-15, 17 Oct 73

PHARMACODYNAMICS

- Leucopoietic effect of calusterone (7 beta, 17 alpha-dimethyltestosterone) in women with advanced breast cancer. Horn Y, et al. Scand J Haematol 10:177-80, 1973

THERAPEUTIC USE

- Leucopoietic effect of calusterone (7 beta, 17 alpha-dimethyltestosterone) in women with advanced breast cancer. Horn Y, et al. Scand J Haematol 10:177-80, 1973

TESTOSTERONE

- Cyclic hematopoiesis in grey collie dogs: a stem-cell problem. Patt HM, et al. Blood 42:873-84, Dec 73
- Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al. Endocrinology 91:1-16, Jan 74
- In vitro effects of estrogens on rat prostatic 5 alpha-reduction of testosterone. Lee DK, et al. Steroids 22:677-85, Nov 73
- In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. Steroids 22:731-45, Dec 73
- Hydrogen bonds between sexual hormones and nucleobases: NMR investigations. Schlimmack W, et al. Z Naturforsch [C] 28:494-8, Sep-Oct 73

ADMINISTRATION & DOSAGE

- Testosterone propionate in cirrhosis of the liver. Islam N, et al. Br J Clin Pract 27:125-8, Apr 73
- The effect of testosterone on the development of the perianal glands of the guinea pig. *Cavia porcellus* (L). Harmsen R, et al. J Exp Zool 186:269-72, Dec 73
- Effect of androgen on glucose-6-phosphate dehydrogenase isoenzymes in rat ventral prostate and seminal vesicles. Ozols RF, et al. Proc Soc Exp Biol Med 144:73-7, 1 Oct 73
- Inhibition of erythropoietin production by cyproterone acetate. Harvey SR, et al. Urology 1:121-4, Feb 73
- [Comparative histological and immunological studies on immunologically defective hens. I. Hormonally bursectomized hens] Hoffmann-Fexer G, et al. Zentralbl Veterinärmed [A] 20:586-95, Sep 73 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

- A new method of inhibition of lactation. Llewellyn-Jones D, et al. Med J Aust 2:780-1, 20 Oct 73
- [Reversible or irreversible change in canine laryngeal mucosa after testosterone (author's transl)] Kambič V, et al. HNO 21:300-3, Oct 73 (Eng. Abstr.) (Ger)

ANALYSIS

- Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Ganjam VK, et al. Acta Endocrinol (Kbh) 74:186-200, Sep 73
- Determination of plasma testosterone and dihydrotestosterone in women affected by simple hirsutism. I. Sciarra F, et al. Folia Endocrinol (Roma) 26:281-7, Aug 73
- Characterization and specificity of proscillaridin antibodies. Belz GG, et al. Naunyn-Schmiedeberg's Arch Pharmacol 279:105-14, 14 Sep 73
- Androgen and estrogen production by a lipid ovarian tumor. Wagner VP, et al. Obstet Gynecol 42:903-6, Dec 73
- [Radioimmunological determination of testosterone in the amniotic fluid of male and female fetuses] Dörner G, et al. Endokrinologie 61:317-20, May 73 (Eng. Abstr.) (Ger)

TESTOSTERONE

GONADS

ANTAGONISTS & INHIBITORS

Androgen-induced sexual differentiation of the brain is blocked by inhibitors of DNA and RNA synthesis. Salaman DF, et al. *Nature* 247:109-12, 11 Jan 74

BIOSYNTHESIS

In vitro biosynthesis of androgens in canine testes. Ob R, et al. *Acta Endocrinol (Kbh)* 74:615-24, Nov 73
Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. Younglai EV.

Acta Endocrinol (Kbh) 74:775-82, Dec 73
Steroid 1-dehydrogenation and side-chain degradation enzymes in the life cycle of *Fusarium solani*. Hafez-Zedan H, et al.

Biochim Biophys Acta 326:102-15, 17 Oct 73
Localization of enzymes involved in testosterone biosynthesis by the mouse testis. Samuels LT, et al. *Endocrinology* 91:55-60, Jan 74

Testosterone formation and metabolism during male sexual differentiation in the human embryo. Slieteri PK, et al. *J Clin Endocrinol Metab* 38:113-25, Jan 74
The optimum age to correct cryptorchidism. Littner JK, et al.

Trans Am Assoc Genitourin Surg 65:108-12, 1973
[Steroid biosynthesis and secretion by the human testis] Vihko R. *Duodecim* 89:1188-95, 1973 (Fin)

[Metabolism of radioactive pregnenolone and progesterone in the embryonic gonads of quail (*Coturnix coturnix japonica*) in organ culture] Guichard A, et al.

Gen Comp Endocrinol 21:478-84, Dec 73 (Eng. Abstr.)

(Fre)
[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. *Monatsschr Kinderheilkd* 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

BLOOD

Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Ganjam VK, et al.

Acta Endocrinol (Kbh) 74:186-200, Sep 73
A comparison of three methods of measuring testosterone in plasma: competitive protein binding, radioimmunoassay without chromatography and radioimmunoassay including thin layer chromatography. Pirke KM.

Acta Endocrinol (Kbh) 74:168-76, Sep 73
Age related changes and interrelationships between plasma testosterone, oestradiol and testosterone-binding globulin in normal adult males. Pirke KM, et al.

Acta Endocrinol (Kbh) 74:792-800, Dec 73
Plasma testosterone: a simple assay without chromatography for the clinical laboratory. Patterson R, et al. *Am J Clin Pathol* 60:879-84, Dec 73

A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. Cohen M, et al. *Am J Obstet Gynecol* 118:200-9, 15 Jan 74

Incomplete testicular feminization syndrome with puberal virilization. Hlathongkam T, et al. *Am J Obstet Gynecol* 118:288-90, 15 Jan 74

Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al.

Am J Obstet Gynecol 117:976-82, 1 Dec 73
A simple radioimmunoassay for testosterone. Lox CD, et al. *Am J Obstet Gynecol* 118:114-8, 1 Jan 74

Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. Wieland RG, et al.

Am J Obstet Gynecol 117:983-6, 1 Dec 73
Plasma testosterone levels in heterosexual and homosexual men. Brodie HK, et al.

Am J Psychiatry 131:82-3, Jan 74
Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73

Effects of synthetic oral estrogens in normal men and patients with prostatic carcinoma: lack of gonadotrophin suppression by chlorotrianisene. Baker HW, et al.

Clin Endocrinol (Oxf) 2:297-306, Oct 73
Effects of oestrogen administration on testosterone metabolism in normal men. Clark AF, et al.

Clin Endocrinol (Oxf) 2:361-8, Oct 73

Plasma testosterone and androstenedione after orchietomy in prostatic adenocarcinoma. Sclarra F, et al. *Clin Endocrinol (Oxf)* 2:101-9, Apr 73

Testosterone secretion by rabbit ovary in vivo. Hilliard J, et al. *Endocrinology* 91:267-71, Jan 74

Sex-dependent changes in rat retinal hydroxyindole-O-methyl transferase. Nagle CA, et al. *Endocrinology* 91:294-7, Jan 74

A direct plasma testosterone radioimmunoassay. Castro A, et al. *Experientia* 29:1447-8, 15 Nov 73

Effects of blinding and pinealectomy on diurnal variations in plasma testosterone. Kinson GA, et al. *Experientia* 29:1415-6, 15 Nov 73

Plasma concentrations of testosterone and dihydrotestosterone during the menstrual cycle of women affected by simple hirsutism. II. Sclarra F, et al. *Folia Endocrinol (Roma)* 26:288-92, Aug 73

Determination of plasma testosterone and dihydrotestosterone in women affected by simple hirsutism. I. Sclarra F, et al.

Folia Endocrinol (Roma) 26:281-7, Aug 73

Effects of neuroleptanesthesia on endocrine function in man. Oyama T.

Int Anesthesiol Clin 11:171-84, Fall 73 (19 ref.)
Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. S. Hypopituitarism. Chaussain JL, et al.

J Clin Endocrinol Metab 38:58-63, Jan 74
A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al.

J Clin Endocrinol Metab 38:126-33, Jan 74
Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. Judd HL, et al.

J Clin Endocrinol Metab 38:134-41, Jan 74
Effect of luteinizing hormone-releasing factor on Leydig cell function. Judd HL, et al.

J Clin Endocrinol Metab 38:8-13, Jan 74
Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al.

J Clin Invest 53:1-6, Jan 74
Peripheral plasma levels of testosterone, androstenedione, and oestradiol during the rat oestrous cycle. Dupon C, et al.

J Endocrinol 59:653-4, Dec 73
Proceedings: Effect of active immunization against testosterone-3-bovine serum albumin on circulating levels of testosterone, luteinizing hormone, prolactin and anti-testosterone titre in the male rat. Hillier SG, et al.

J Endocrinol 59:22-3, Nov 73
Proceedings: Testosterone in impotent men. Racey PA, et al. *J Endocrinol* 59:23, Nov 73

Proceedings: Circadian relationships of plasma androgen and cortisol levels. Tunbridge D, et al. *J Endocrinol* 59:xxi, Nov 73

Proceedings: The passage of (3H) testosterone into the cauda epididymidis of the rat. Back DJ. *J Reprod Fertil* 35:586-7, Dec 73

Proceedings: The relationship between plasma concentrations of luteinizing hormone and testosterone in man. Elwood M, et al.

J Reprod Fertil 35:629-30, Dec 73
The effect of prostaglandins E1 and F2alpha on the fertilizing ability of hamster spermatozoa. Lubicz-Nawrocki CM, et al.

J Reprod Fertil 35:557-9, Dec 73
Proceedings: Plasma testosterone levels in the ram. Purvis K, et al. *J Reprod Fertil* 35:602-3, Dec 73

Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al. *J Urol* 110:710-3, Dec 73

Direct action of chlormadinone acetate on the testosterone secretion by the dog testis in vivo. Patrilli de Laborde N, et al.

Steroids Lipids Res 4:113-8, Mar 73
Diurnal variations of plasma testosterone in men. Barberia JM, et al. *Steroids* 22:615-26, Nov 73

Radioimmunoassay method for six steroids in human plasma. Brenner PF, et al. *Steroids* 22:775-94, Dec 73

In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. *Steroids* 22:731-45, Dec 73

Radioimmunoassay of plasma testosterone without chromatography: a comparison of four antisera, and the evaluation of a novel approach to liquid scintillation counting. Tyler JP, et al.

Steroids 22:871-89, Dec 73
Pituitary and gonadal function in chromatin positive

- XXY Klinefelter's syndrome. Shirai M, et al. *Tohoku J Exp Med* 110:347-57, Aug 73
- Interstitial-cell tumor of testicle in children. Naranjo CA, et al. *Urology* 2:58-60, Jul 73
- Plasma testosterone and estrogens in prepubertal gynecomastia. Bidlingmayer F, et al. *Z Kinderheilkd* 115:89-94, 9 Aug 73
- The determination of testosterone in the plasma of calves by radioimmunoassay. Pellegrini S, et al. *Zentralbl Veterinärmed [A]* 20:556-66, Sep 73
- [Testosterone and its binding to plasma proteins in human fetuses, newborn infants and their mothers] Stárka L, et al. *Cesk Pediatr* 28:546-7, Oct 73 (Eng. Abstr.) (Cze)
- [The effect of high dosage vitamin A treatment on the germinal epithelium of the rat (author's transl)] Gasser G, et al. *Andrologie* 5:113-7, 1973 (Eng. Abstr.) (Ger)
- [The effect of a spleen dialysate on the genital organs of the male rat. 2. Radioimmunological studies on plasma testosterone (author's transl)] Lungmayr G, et al. *Andrologie* 5:223-26, 1973 (Eng. Abstr.) (Ger)
- [Effect of cytostatic drugs on male reproductive function (author's transl)] Mauss J. *Andrologie* 4:351-4, 1972 (15 ref.) (Eng. Abstr.) (Ger)
- [Unilateral cryptorchidism: a spermologic, endocrinologic and cytogenetic study of 216 adult males (author's transl)] Raboch J, et al. *Andrologie* 5:153-8, 1973 (Eng. Abstr.) (Ger)
- [Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al. *Folia Endocrinol (Roma)* 26:268-80, Aug 73 (Eng. Abstr.) (Ita)
- [Radioimmunoassay of sex steroid hormones. 4. Radioimmunoassay of testosterone] Makino T, et al. *Clin Endocrinol (Tokyo)* 21:867-73, Aug 73 (Jap)
- [Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B. *Poľ Tyg Lek* 28:1327-8, 20 Aug 73 (17 ref.) (Pol)
- [Gonadal hormones in male hypogonadism] González Gancedo P, et al. *Rev Clin Esp* 131:187-94, 15 Nov 73 (Eng. Abstr.) (Spa)

METABOLISM

- Detection of (3H)5 alpha-androstane-3 alpha,17 beta-diol and 3H17 beta hydroxy-5 alpha-androstan-3-one in mouse testes following administration of (3H) testosterone. Kasai H, et al. *Acta Endocrinol (Kbh)* 74:177-85, Sep 73
- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol (Kbh)* 74:642-58, Dec 73
- Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. Judd HL, et al. *Am J Obstet Gynecol* 117:976-82, 1 Dec 73
- Methyltestosterone with imipramine in men: conversion of depression to paranoid reaction. Wilson IC, et al. *Am J Psychiatry* 131:21-4, Jan 74
- The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro. Saure A. *Ann Acad Sci Fenn [Med]* 159:1-131, Sep 73
- Production of estrogen in rat placenta studied by electron microscope autoradiography and biochemical analysis. Uchida K. *Arch Histol Jap* 36:57-71, Sep 73
- Testosterone binding in the chick oviduct. Harrison RW, et al. *Biochem Biophys Res Commun* 55:857-63, 10 Dec 73
- Effects of oestrogen administration on testosterone metabolism in normal men. Clark AF, et al. *Clin Endocrinol (Oxf)* 2:361-8, Oct 73
- Progesterone metabolism in vitro by mouse testes at different stages of development. Tsujimura T, et al. *Endocrinology* 91:288-90, Jan 74
- Metabolism of testosterone and dihydrotestosterone in the hirsute female. Concolino G, et al. *Folia Endocrinol (Roma)* 26:293-307, Aug 73
- Determination of plasma testosterone and dihydrotestosterone in women affected by simple hirsutism. I. Sciarra F, et al. *Folia Endocrinol (Roma)* 26:281-7, Aug 73
- Inhibition of testosterone conversion to dihydrotestosterone in men treated percutaneously by progesterone. Mauvais-Jarvis P, et al. *J Clin Endocrinol Metab* 38:142-7, Jan 74
- Testosterone formation and metabolism during male

- sexual differentiation in the human embryo. Sliteri PK, et al. *J Clin Endocrinol Metab* 38:113-25, Jan 74
- Androgen metabolism in the skin of hirsute women. Thomas JP, et al. *J Clin Endocrinol Metab* 38:19-22, Jan 74
- Proceedings: Effects in vitro of cytoplasmic and nuclear 5alpha-dihydrotestosterone-receptor complexes on prostatic RNA polymerase activities. Davies P, et al. *J Endocrinol* 59:xix, Nov 73
- Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. Denef C, et al. *J Endocrinol* 59:605-21, Dec 73
- Metabolism of androgens in vitro by human facial and axillary skin. Hay JB, et al. *J Endocrinol* 59:475-86, Dec 73
- Androgen metabolism in the ventral sebaceous gland patch of the Mongolian gerbil. Hodgins MB, et al. *J Endocrinol* 59:487-93, Dec 73
- The metabolism of testosterone by human skin in disorders of hair growth. Jenkins JS, et al. *J Endocrinol* 59:345-51, Nov 73
- Influence of the adrenal gland on prostatic activity in adult rats. Mohhs BG, et al. *J Endocrinol* 59:335-44, Nov 73
- Proceedings: Sex-hormone-binding globulin, luteinizing hormone and testosterone in man: effects of oestrogen and cyproterone acetate. Murray MA, et al. *J Endocrinol* 59:xxi-xxii, Nov 73
- Dihydrotestosterone formation in vitro in the epididymis of the domestic fowl. Nakamura T, et al. *J Endocrinol* 59:651-2, Dec 73
- Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73
- A technique for studying the transfer of substances from venous to arterial blood in the spermatic cord of wallabies and rams. Jacks F, et al. *J Physiol (Lond)* 233:17P-18P, Aug 73
- Proceedings: The passage of (3H) testosterone into the cauda epididymidis of the rat. Back DJ. *J Reprod Fertil* 35:586-7, Dec 73
- Transport of 5alpha-dihydrotestosterone by testicular lymph in the dog. Haltmeyer GC, et al. *J Reprod Fertil* 36:41-7, Jan 74
- The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. Rossier G, et al. *J Reprod Fertil* 36:169-76, Jan 74
- The effect of parathion on the metabolism of 3H-testosterone by hepatic microsomal enzymes from the male mouse. Stevens JT. *Pharmacology* 10:220-5, 1973
- Effects of progesterone or cyproterone acetate on androgen uptake in the brain, pituitary and peripheral tissues. Sar M, et al. *Proc Soc Exp Biol Med* 144:26-9, 1 Oct 73
- The effect of histamine on the earliest steps of oestrogen action. Castro-Vázquez A, et al. *Steroids Lipids Res* 4:105-12, Mar 73
- In vitro effects of estrogens on rat prostatic 5 alpha-reduction of testosterone. Lee DK, et al. *Steroids* 22:677-85, Nov 73
- The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Rhamy RK, et al. *Steroids* 22:719-29, Nov 73
- Effect of dieldrin on the accumulation and biotransformation of radioactive testosterone by the mouse prostate gland. Thomas JA, et al. *Toxicol Appl Pharmacol* 26:523-31, Dec 73
- Does reserpine increase prolactin and exacerbate cancer of prostate? Case control study. Newball HH, et al. *Urology* 2:525-9, Nov 73
- [Data on the hematic conversion of testosterone into dihydrotestosterone in subjects with hypogonadism] Concolino G, et al. *Folia Endocrinol (Roma)* 26:268-80, Aug 73 (Eng. Abstr.) (Ita)

PHARMACODYNAMICS

- The effect of testosterone and thyroidectomy on the rat thymus. Csaba G. *Acta Biol Acad Sci Hung* 23:409-11, 1972
- The ultrastructure of the accessory sex organs of the male rat. 4. Effect of testosterone. Dahl E, et al. *Acta Endocrinol (Kbh)* 74:605-14, Nov 73
- Changes in hypothalamic peptidase activity during the oestrous cycle in the adult female rat. Griffiths EC, et al. *Acta Endocrinol (Kbh)* 74:41-8, Sep 73

- Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). Griffiths EC, et al. *Acta Endocrinol (Kbh)* 74:49-55, Sep 73
- Effects of ovariectomy and oestradiol-17 β treatment on brain catecholamines in the rat. Endr  czl E, et al. *Acta Physiol Acad Sci Hung* 43:43-8, 1973
- Dose and time dependence of testosterone-induced precocious puberty in female rats. Marton I, et al. *Acta Physiol Acad Sci Hung* 43:49-53, 1973
- Effect of sexual steroids and androgen sterilization on avoidance and exploratory behaviour in the rat. Telegdy G, et al. *Acta Physiol Acad Sci Hung* 43:55-63, 1973
- Effects of insulin and testosterone on glycogen synthesis and glycogen synthetase activity in rat levator ani muscle. Adolfsson S. *Acta Physiol Scand* 88:234-47, Jun 73
- Peristaltic contractions of the murine urogenital sinus. Cunha GR. *Anat Rec* 177:561-8, Dec 73
- The influence of immunosuppression and sex hormone manipulation on mammary tumourogenesis in the rat. Hunt PS, et al. *Aust J Exp Biol Med Sci* 51:417-20, Jun 73
- Dependence of the guinea pig kidney 17 β -heta-hydroxy-C19-steroid dehydrogenase isoenzyme profile on androgen. Kochakian CD, et al. *Biochem Biophys Res Commun* 54:519-23, 18 Sep 73
- Effects of several androgens and steroid metabolites on erythropoietin production in the isolated perfused dog kidney. Paulo LG, et al. *Blood* 43:39-47, Jan 74
- Sex differences and the effects of testosterone injections on hlogenic amine levels of neonatal rat brain. Hardin CM. *Brain Res* 62:286-90, 9 Nov 73
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al. *Brain Res* 60:393-410, 12 Oct 73
- Effects of estradiol and testosterone on the immature female chicken (*Gallus domesticus*). I. Quantitative changes in nucleic acids, proteins and lipids in the liver. Yu JY, et al. *Comp Biochem Physiol [B]* 46:749-57, Dec 73
- Effects of estradiol and testosterone on the immature female chicken (*Gallus domesticus*). II. Immunodiffusional patterns of yolk lipoproteins in the liver and plasma. Yu JY, et al. *Comp Biochem Physiol [B]* 46:759-67, Dec 73
- The effect of testosterone propionate on some indicators of energetic metabolism in the intact zone in experimental myocardial infarction. Bardin EV, et al. *Cor Vasa* 15:209-21, 1973
- Reduction of maternal nest huddling in female mice by testosterone propionate treatment. Gandelman R. *Dev Psychobiol* 6:539-46, Nov 73
- Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Fujll T. *Endocrinol Jap* 20:425-7, Aug 73
- Male and female sexual responses in male rats given estradiol benzoate and 5 α -androst-17 β -heta-ol-3-one propionate. Feder HH, et al. *Endocrinology* 91:136-41, Jan 74
- Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al. *Endocrinology* 91:1-16, Jan 74
- Effect of testosterone on the histological structure of the testis of adult albino rats. Abdi SH, et al. *Indian J Med Res* 61:1207-11, Aug 73
- Studies on host-flea relationship. II. Sex hormones of the host and fecundity of rat flea *Xenopsylla astia* (Rothschild) and *Xenopsylla cheopis* (Rothschild) (Siphonaptera). Prasad RS. *Indian J Med Res* 61:38-44, Jan 73
- Hormonal effects on prostatic acid phosphatase synthesis in tissue culture. Ban RW, et al. *Invest Urol* 11:308-11, Jan 74
- Influence of testosterone and cyproterone acetate on the rate of mitosis in seminal vesicles of rats. Dahnke HG, et al. *J Endocrinol* 59:535-8, Dec 73
- Hormonal effects in vitro on ribonucleic acid polymerase in nuclei isolated from human prostatic tissue. Davies P, et al. *J Endocrinol* 59:367-8, Nov 73
- Action of testosterone administered neonatally on the rat perineal complex. Dixit VP, et al. *J Endocrinol* 59:379-80, Nov 73
- Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries. Groom GV, et al. *J Endocrinol* 59:511-22, Dec 73
- Effect of androgens and prostatic cytosol on RNA synthesis in isolated nuclei of ventral prostate. Honma Y, et al. *J Endocrinol* 59:661-2, Dec 73
- Interstrain differences in number, size and morphology of vesicular gland cell nucleoli in intact, castrated and testosterone-treated mice. Iv  nyi D. *J Endocrinol* 59:421-8, Dec 73
- Proceedings: Effect of sex steroids on the pituitary responsiveness to synthetic luteinizing hormone releasing hormone in the male dog. Jones GE, et al. *J Endocrinol* 59:xv, Nov 73
- Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol benzoate. Mallampati RS, et al. *J Endocrinol* 59:209-16, Nov 73
- Proceedings: The role of cyclic AMP in the action of androgens on rat ventral prostate gland. Mangan FR, et al. *J Endocrinol* 59:xvi-xvii, Nov 73
- The effect of testosterone on the development of the perianal glands of the guinea pig. Cavia porcellus (L.). Harmsen R, et al. *J Exp Zool* 186:269-72, Dec 73
- Letter: Maturational deceleration following treatment with testosterone. Bongiovanni AM. *J Pediatr* 83:1095, Dec 73
- The influence of androgens on enzymes (chymotrypsin and trypsin-like proteases, renin, kallikrein and amylase) and on cellular structure of the mouse submaxillary gland. Bhoola KD, et al. *J Physiol (Lond)* 235:503-22, Dec 73
- Androgenic regulation of plasma prostaglandin F levels in the rat. Barcikowski B, et al. *J Reprod Fertil* 35:549-51, Dec 73
- Carnitine and glycerylphosphorylcholine in the reproductive tract of the male rat. Brooks DE, et al. *J Reprod Fertil* 36:141-60, Jan 74
- Proceedings: Effect of testosterone metabolites on sperm maturation in the epididymis of castrated hamsters. Lulicz-Nawrocki CM. *J Reprod Fertil* 35:588-9, Dec 73
- Proceedings: Decrease of pituitary responsiveness to LH-RH in castrated rams pretreated with testosterone propionate. Pelletier J. *J Reprod Fertil* 35:601-2, Dec 73
- A new method of inhibition of lactation. Llewellyn-Jones D, et al. *Med J Aust* 2:780-1, 20 Oct 73
- Effect of testosterone on sperm maturation in vitro. Orgehin-Crist MC, et al. *Nature* 245:328-9, 12 Oct 73
- Androgen-induced sexual differentiation of the brain is blocked by inhibitors of DNA and RNA synthesis. Salaman DF, et al. *Nature* 247:109-12, 11 Jan 74
- Steroid pellets and venous diameter in orchidectomized, ovariectomized, and ovariectomized-hysterectomized mice. Forhes TR, et al. *Proc Soc Exp Biol Med* 144:356-8, 1 Oct 73
- Effect of androgen on glucose-6-phosphate dehydrogenase isoenzymes in rat ventral prostate and seminal vesicles. Ozols RF, et al. *Proc Soc Exp Biol Med* 144:73-7, 1 Oct 73
- Response of rabbit testicular capsular contractions to testosterone, prostaglandin E₁ and isoproterenol in vitro and in vivo. Seeley RR, et al. *Proc Soc Exp Biol Med* 144:329-32, 1 Oct 73
- Induction of ovulation rats treated neonatally with androgen. Ying SY. *Proc Soc Exp Biol Med* 144:822-5, Dec 73
- Criticism about the use of muscles provided with a testosterone-binding protein to evaluate the mitotrophic activity of androgens. Bergamini E. *Steroids Lipids Res* 4:119-21, Mar 73
- The effect of dihydrotestosterone in combination with ovariectomy on intranuclear inclusions in mammothrophs of the Mongolian gerbil. Nickerson PA, et al. *Tissue Cell* 5:697-702, 1973
- Inhibition of erythropoietin production by cyproterone acetate. Harvey SR, et al. *Urology* 1:121-4, Feb 73
- Effect of testosterone propionate on fine structure and gonadotrophin content of the female rat and hamster anterior pituitary. Dekker A, et al. *Z Zellforsch Mikrosk Anat* 143:291-300, 18 Oct 73
- Effects of testosterone, hydrocortisone and insulin on the fine structure of the epithelium of rat ventral prostate in organ culture. Ichihara I, et al. *Z Zellforsch Mikrosk Anat* 143:425-38, 18 Oct 73
- [Comparative study of several types of treatment of the menopausal syndrome (author's transl)] K  hlov   V, et al. *Cesk Gynkol* 38:629-30, Sep 73 (Cze)
- [Sensitivity of the preoptic area of the hypothalamus of

- the male rat to androgens] Danguy A, et al. *C R Acad Sci [D] (Paris)* 276:1729-32, 12 Mar 73 (Fre)
- [Biologic-psychiatric considerations for treatment of disturbances of sexual impotence (author's transl)] Benkert O. *Andrologie* 5:235-43, 1973 (Eng. Abstr.) (Ger)
- [The influence of testosterone on the anaemia of terminal renal failure (author's transl)] Augustin HJ, et al. *Dtsch Med Wochenschr* 98:2119-22, 9 Nov 73 (Eng. Abstr.) (Ger)
- [Reversible or irreversible change in canine laryngeal mucosa after testosterone (author's transl)] Kamhič V, et al. *HNO* 21:300-3, Oct 73 (Eng. Abstr.) (Ger)
- [Effect of castration on the luteinizing function of the hypophysis in intact and androgenized rats] Nikitina MM, et al. *Probl Endokrinol (Mosk)* 19:76-82, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Regulation of skeletal growth by sulfation factor. Daughaday WH. *Adv Intern Med* 17:237-63, 1973 (70 ref.)
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al. *Brain Res* 80:393-410, 12 Oct 73
- [Precocity (author's transl)] Heige H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

SECRETION

- Testosterone secretion by rahlit ovary in vivo. Hilliard J, et al. *Endocrinology* 91:267-71, Jan 74
- Proceedings: Regulation of steroid secretion in sheep ovarian follicles. McIntosh JE, et al. *J Reprod Fertil* 35:605-6, Dec 73
- Misdiagnosis of endometrial adenoacanthoma in a 27-year old woman with adrenocortical tumor. Grattarola R. *Oncology* 28:246-52, 1973
- Direct action of chlormadinone acetate on the testosterone secretion by the dog testis in vivo. Patrilli de Laborde N, et al. *Steroids Lipids Res* 4:113-8, Mar 73

THERAPEUTIC USE

- The hematologic effect of androgen in uremic patients. Study of packed cell volume and erythropoietin responses. Fried W, et al. *Ann Intern Med* 79:823-7, Dec 73
- Testosterone propionate in cirrhosis of the liver. Islam N, et al. *Br J Clin Pract* 27:125-8, Apr 73
- Hereditary angioneurotic oedema. Calvert GD, et al. *NZ Med J* 78:337-42, 24 Oct 73
- Thymoma associated with pure red cell aplasia and hypogammaglobulinemia. Vasavada PJ, et al. *Postgrad Med* 54:93-8, Dec 73

- [Biologic-psychiatric considerations for treatment of disturbances of sexual impotence (author's transl)] Benkert O. *Andrologie* 5:235-43, 1973 (Eng. Abstr.) (Ger)
- [Effect of sex hormones on porphyrin metabolism in model studies] Simon N, et al. *Dermatol Monatsschr* 159:868-71, Sep 73 (Eng. Abstr.) (Ger)
- [The efficacy of various treatments in oligospermia (author's transl)] Somazzi S, et al. *Dermatologica* 147:37-44, 1973 (Eng. Abstr.) (Ger)
- [The influence of testosterone on the anaemia of terminal renal failure (author's transl)] Augustin HJ, et al. *Dtsch Med Wochenschr* 98:2119-22, 9 Nov 73 (Eng. Abstr.) (Ger)
- [Pituitary disorders; growth disturbances (author's transl)] Blerich JR. *Monatsschr Kinderheilkd* 121:647-51, Oct 73 (Ger)
- [Diseases of the gonads in childhood (author's transl)] Knorr D. *Monatsschr Kinderheilkd* 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

URINE

- Idiopathic gynecomastia in seven preadolescent boys. Elevation of urinary estrogen excretion in two cases. Latorre H, et al. *Am J Dis Child* 126:771-3, Dec 73
- Androgens in breast cancer. II. Endometrial adenocarcinoma and breast cancer in married postmenopausal women. Grattarola R, et al. *Am J Obstet Gynecol* 118:173-8, 15 Jan 74
- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrlove JL, et al. *J Urol* 110:710-3, Dec 73
- The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Rhamy RK, et al. *Steroids* 22:719-29, Nov 73
- [Gonadotropin secretion and gonadotropin reserve in hypogonadotropic hypogonadism (brief literature survey and case report (author's transl))] Börsch G, et al. *Andrologie* 5:207-13, 1973 (Eng. Abstr.) (Ger)
- [Preliminary report on clinical, biochemical, and anatomical investigations of boys with undescended testes (author's transl)] Jendricke K, et al. *Monatsschr Kinderheilkd* 121:634-5, Oct 73 (Eng. Abstr.) (Ger)
- [Testosterone secretion in men from childless marriages] Börsch S, et al. *Zentralbl Gynaekol* 95:1025-39, 27 Jul 73 (Eng. Abstr.) (Ger)
- [Method for determination of testosterone and androstenedione in the urine] Korneev GA. *Probl Endokrinol (Mosk)* 19:46-50, Nov-Dec 73 (Eng. Abstr.) (Rus)

GONADS

IV. Related Topics

CASTRATION

- Urinary gonadotrophins following castration of men. Christiansen P.
Acta Endocrinol (Kbh) 74:79-87, Sep 73
 Effects of steroid suppression and gonadectomy on adrenal 5 α -reductase activity and corticosterone production in rats. Colby HD, et al.
Acta Endocrinol (Kbh) 74:568-75, Nov 73
 Feedback control of FSH in the male: role of oestrogen. Walsh PC, et al.
Acta Endocrinol (Kbh) 74:449-60, Nov 73
 Endometrial (papillary) carcinoma of the prostatic utricle--response to orchiectomy. A case report. Young BW, et al. *Cancer* 32:1293-300, Dec 73
 Rat muscle and organ weights after castration: the effects of anabolic steroids and exercise. Taylor AW, et al. *Endokrinologie* 61:372-8, Jun 73
 Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol benzoate. Mallampati RS, et al. *J Endocrinol* 59:209-16, Nov 73
 Unit activity in the paraventricular nucleus of female rats at different stages of the reproductive cycle and after ovariectomy, with or without oestrogen or progesterone treatment. Negoro H, et al.
J Endocrinol 59:545-58, Dec 73
 Proceedings: Cyclical activity of ovarian transplants in neonatally castrated male rats. Schoot P van der. *J Reprod Fertil* 35:581-2, Dec 73
 Ascorbic acid metabolism in castrated rats. Khandwekar PV, et al. *Metabolism* 22:1485-9, Dec 73
 Disappearance of metastatic breast cancer after oophorectomy. Mecklenburg RS, et al.
N Engl J Med 289:845-6, 18 Oct 73
 Effects of castration, hindling, and the pineal gland on the Harderian glands of the male golden hamster. Clahough JW, et al.
Neuroendocrinology 12:344-53, 1973
 Compensatory ovulation after unilateral ovariectomy in immature rats primed with gonadotropins. Ying SY, et al. *Proc Soc Exp Biol Med* 144:22-5, 1 Oct 73
 Orchiectomy for advanced prostatic carcinoma. A reevaluation. Blackard CE, et al.
Urology 1:553-60, Jun 73
 [Changes in lipomorphization in castrated rats in various periods of age (author's transl)] Stuchlíková E, et al. *Sb Lek* 75:326-40, Nov 73 (Eng. Ahstr.) (Cze)
 [Self castration due to sadistic impulsive perversion, simultaneously a contribution to anti-androgen therapy] Schott G.
Psychiatr Neurol Med Psychol (Leipzig) 25:435-42, Jul 73 (Eng. - Ahstr.) (Ger)
 [Comparative evaluation of radiotherapy and chemotherapy after radical operations in malignant ovarian tumors] Pankov AK, et al.
Akush Ginekol (Mosk) 49:70-1, Aug 73 (Rus)
 [Effect of castration on the luteinizing function of the hypophysis in intact and androgenized rats] Nikitina MM, et al.
Probl Endokrinol (Mosk) 19:76-82, Nov-Dec 73 (Eng. Ahstr.) (Rus)
 [Relation of survival of patients with breast neoplasms to morphological differentiation of the tumor and exclusion of ovarian function] Baranovskii GI.
Vopr Onkol 19:90-1, 1973 (Rus)

ADVERSE EFFECTS

- [Retro- and intraperitoneal lymph fistula following semicastration and transperitoneal lymphadenectomy in testicular tumors (author's transl)] Vahlensieck W, et al.
Urol Int 28:453-8, 1973 (Ger)
 [Sequelae of unilateral ovariectomy] Kohozova NV, et al.
Akush Ginekol (Mosk) 49:38-42, Aug 73 (Eng. Ahstr.) (Rus)

- [Postcastration syndrome] Manulova IA.
Akush Ginekol (Mosk) 49:54-7, Jun 73 (Rus)
 [Functional and structural changes in the ovary after unilateral ovariectomy] Zvereva GA, et al.
Akush Ginekol (Mosk) 49:42-5, Aug 73 (Rus)

HISTORY

- [History of the development of female cattle castration] Gründer HD.
Dtsch Tierärztl Wochenschr 80:499-502, 1 Nov 73 (Eng. Ahstr.) (Ger)

VETERINARY

- [Evaluation of the meat of castrate elks] Mikhailov AP, et al. *Veterinarila* 7:97-8, Jul 73 (Rus)

ESTRUS

- Gonadotropin release in prepubertal female mice following male exposure: a comparison with the adult cycle. Bronson FH, et al. *Biol Reprod* 9:449-59, Dec 73
 Development and maintenance of the oviductal epithelium during the estrous cycle in the bitch. Verhage HG, et al. *Biol Reprod* 9:460-74, Dec 73
 Observations on ionized calcium in the plasma of cows during estrus. McLennan MW, et al.
Can Vet J 14:229-32, Oct 73
 Sex-dependent changes in rat retinal hydroxyindole-O-methyl transferase. Nagle CA, et al.
Endocrinology 91:294-7, Jan 74
 Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle. Echternkamp SE, et al. *J Anim Sci* 37:1362-70, Dec 73
 Simultaneous determination of luteinizing hormone and luteinizing hormone releasing hormone in the jugular venous blood of the sheep at oestrus. Crighton DB, et al. *J Endocrinol* 59:373-4, Nov 73
 Peripheral plasma levels of testosterone, androstenedione, and oestradiol during the rat oestrous cycle. Dupon C, et al.
J Endocrinol 59:653-4, Dec 73
 Detection of luteinizing hormone releasing hormone in the peripheral blood of the rat on the afternoon of pro-oestrus. Fraser HM, et al.
J Endocrinol 59:375-6, Nov 73
 Progesterone concentrations in the peripheral plasma of the blue fox (*Alopex lagopus*) during pregnancy and the oestrous cycle. Moller OM.
J Endocrinol 59:429-38, Dec 73
 Proceedings: Changes in milk composition preceding oestrus in the goat: comparison with the effects of exogenous oestrogens. Peaker M, et al.
J Endocrinol 59:xlvi, Nov 73
 Proceedings: Prostaglandin F in the vena caval blood during the oestrous cycle of the ewe. Fitzpatrick RJ, et al. *J Physiol (Lond)* 234:57P-59P, Oct 73
 Proceedings: Central depressant steroids in the ovaries of rats during different phases of the oestrous cycle. Holzbauer M. *J Physiol (Lond)* 234:96P-97P, Oct 73
 Pro-oestrous surge in plasma progesterone in the cow. Ayalon N, et al. *J Reprod Fertil* 36:239-43, Jan 74
 Proceedings: Comparison of LH levels in post-partum anoestrous and cycling ewes and the effects of synthetic gonadotrophin-releasing factor. Foster JP, et al. *J Reprod Fertil* 35:599-600, Dec 73
 Proceedings: The effects of synthetic gonadotrophin-releasing factor on ovarian function in anoestrous ewes. Haresign W, et al.
J Reprod Fertil 35:600-1, Dec 73
 Electrophysiological observations of uterine motility during the oestrous cycle in sheep. Naaktgehooren C, et al. *J Reprod Fertil* 35:511-8, Dec 73
 Oestrogen-induced LH surges in the anoestrous and cyclic ewe. Symons AM, et al.
J Reprod Fertil 35:569-71, Dec 73
 Proceedings: Breed and seasonal variation in the incidence of oestrus and ovulation in the sheep. Wheeler AG, et al. *J Reprod Fertil* 35:583-4, Dec 73

Anatomical and histological observations on the reproductive tract of mares with abnormal oestrous cycles. Nickerk CH van, et al.

J S Afr Vet Assoc 44:141-52, Jun 73
Establishment by selective inbreeding of the IVCS strain and related sister strains of the mouse, demonstrating regularly repeated 4-day estrous cycles. Nobunaga T. Lab Anim Sci 23:803-11, Dec 73
Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Kalra SP, et al.

Neuroendocrinology 12:321-33, 1973
Arterial-venous differences in gonadotropin concentration across the ovary of sheep during different reproductive states. Cicmanec JL, et al. Proc Soc Exp Biol Med 144:99-105, 1 Oct 73
Uterine concentration of thyroxine during the estrous cycle. Jacobs JJ, et al.

Proc Soc Exp Biol Med 144:160-3, 1 Oct 73
[The ultrastructure of lutein cells in the guinea pig corpus luteum during pregnancy and oestrous cycle (author's transl)] Bourneva V. Z Zellforsch Mikrosk Anat 142:524-37, 1973 (Eng. Abstr.) (Ger)

[Karyometric studies on the supraoptic and paraventricular nuclei in the sexual cycle] Karmański J, et al. Endokrynol Pol 24:301-6, Jul-Aug 73 (Eng. Abstr.) (Pol)

[Morphological changes in the thyroid gland in female white rats submitted to vibration during estrus cycle] Kryk B, et al.

Ginek Pol 44:1363-70, Dec 73 (Eng. Abstr.) (Pol)
[Histological indices of carbohydrates metabolism in the myometrium of rats at various stages of the estrual cycle] Nyrkova VI. Akush Ginek (Mosk) 49:66-8, Jun 73 (Rus)

[Functional morphology of the hypothalamo-hypophyseal neurosecretory system of the golden hamster during the estrus cycle and hyperestrogenism] Andreeva NE. Arkh Anat Gistol Embriol 64:98-102, Jun 73 (Eng. Abstr.) (Rus)

[Prolactin levels in the rat's anterior pituitary gland during ontogeny, sexual maturation, pregnancy and lactation] Krefchi P, et al. Probl Endokrinol (Mosk) 19:70-6, Nov-Dec 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Pontine unit responses to genital stimulation in estrous and anestrous cats. Rose JD. Brain Res 62:291-6, 9 Nov 73

Resumption of cyclicity in light induced persistent estrus by treatment with serotonin or its precursor. Takahashi M, et al. Endocrinol Jap 20:271-6, Jun 73

A preliminary study upon the use of prostaglandins for inducing estrus in non-cycling thoroughbred mares. Allen WR, et al. Equine Vet J 5:137-40, Oct 73

Uterine motility and sperm transport in the estrous ewe after prostaglandin induced regression of corpora lutea. Hawk HW. J Anim Sci 37:1380-5, Dec 73

Chemical and physical characteristics of the macromolecular components of the cervical mucus from cows after synchronization of oestrus with melengestrol acetate. Gihbons RA, et al. J Reprod Fertil 35:469-76, Dec 73

Uptake of estradiol by the rat pineal organ. Effects of cervical sympathectomy, stage of the estrous cycle and estradiol treatment. Nagle CA, et al. Life Sci 13:1089-103, 16 Oct 73

Multiple progesterone injections and the duration of estrus in ovariectomized guinea pigs. Morin LP, et al. Physiol Behav 11:861-5, Dec 73

Observations on the synchronization of oestrus in Sarda sheep. Bonadonna T, et al. Zentralbl Veterinärmed [A] 20:395-400, Jul 73

[Effect of the synthetic gestagen chlormadinone-acetate on the estrus cycle in the mouse] Schüller L. Z Versuchstierkd 15:228-34, 1973 (Eng. Abstr.) (Ger)

[Influence of the carbamic pesticides, zineb and thiram, on the estrus cycle and reproductive capacity of white rats] Ghizelea G, et al. Stud Cercet Endocrinol 24:491-501, 1973 (Rum)

[Effect of low concentrations of carbon disulfide and hydrogen sulfide on the menstrual function in women

and on the estrous cycle in an experiment] Vasil'eva IA. Gyg Sanit 38:24-7, Jul 73 (Eng. Abstr.) (Rus)
[Gonadotropin and progesterone for stimulating the sexual function in cows] Cheremisinov GA. Veterinarila 3:80-2, Feb 73 (Rus)

FEMINIZATION

ETIOLOGY

Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. Cancer 32:1227-35, Nov 73

Non-tumorous feminizing adrenogenital syndrome in the male subject. Gahrilove JL, et al. J Urol 110:710-3, Dec 73

[Case of feminizing tumor of the adrenal gland] Lashko Kl, et al. Sov Med 36:145-6, Sep 73 (Rus)

OVULATION

Peripheral plasma levels of oestrone, oestradiol-17beta and progesterone during ovulatory menstrual cycles in the rhesus monkey with special reference to the onset of menstruation. Bosu WT, et al. Acta Endocrinol (Kbh) 74:732-42, Dec 73

Premature onset of menstrual bleeding during ovulatory cycles in women with an intrauterine contraceptive device. Nygren KG, et al. Am J Obstet Gynecol 117:971-5, 1 Dec 73

Correlation of endometrial dating with luteinizing hormone peak. Tredway DR, et al. Am J Obstet Gynecol 117:1030-3, 15 Dec 73

Gonadotropin release in prepubertal female mice following male exposure: a comparison with the adult cycle. Bronson FH, et al. Biol Reprod 9:449-59, Dec 73

Alveolar carbon dioxide content in normal Indian adults with special reference to changes in pre- and post-ovulatory stages in ovulating females. Savadi MS, et al. Indian J Med Res 61:245-51, Feb 73

Occurrence of spontaneous second pregnancy after delivery of conceptions resulting from ovulation induced by various therapeutic modalities. Canales ES, et al. Int J Fertil 18:182-4, 1973

The correlation of clinical and morphological parameters in induced ovulatory cycles in the human. Noriega C, et al. Int J Fertil 18:177-81, 1973

Leprosy in gynecology and obstetrics. Hardas U, et al. Int J Lepr 40:399-401, Oct-Dec 72

Proceedings: Concentrations of oestradiol and luteinizing hormone in the peripheral plasma of the domestic fowl during the ovulatory cycle. Senior BE, et al. J Endocrinol 59:xliv, Nov 73

Proceedings: Cyclical activity of ovarian transplants in neonatally castrated male rats. Schoot P van der. J Reprod Fertil 35:581-2, Dec 73

The effect of a 'single-feed flush' on ovulation rate in gilts. Stalpmiller RB, et al. J Reprod Fertil 35:573-5, Dec 73

Proceedings: Breed and seasonal variation in the incidence of oestrus and ovulation in the sheep. Wheeler AG, et al. J Reprod Fertil 35:583-4, Dec 73

Variations in plasma LH levels during the ovulatory cycle of the hen, Gallus domesticus. Wilson SC, et al. J Reprod Fertil 35:561-4, Dec 73

Letter: Multiple ovulation and risk of anencephaly and spina bifida. Spiers PS. Lancet 2:1149, 17 Nov 73

[Protein kinase of ovary, ovarian oocytes and oocytes during maturation and ovulation in vitro of Xenopus laevis] Wihlet M, et al.

Arch Int Physiol Biochim 81:813, Oct 73 (Fre)
[Time of ovulation and effect of lighting on the ovulation in rats (author's transl)] Tanioke Y. Exp Anim (Tokyo) 22:139-44, Apr 73 (Eng. Abstr.) (Jap)

DRUG EFFECTS

Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexyldienemethane. Tojo S, et al.

Acta Obstet Gynecol Scand 52:335-43, 1973
Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C.

Am J Obstet Gynecol 117:955-61, 1 Dec 73
Quantitative aspects of follicular development in the untreated and PMS-treated cyclic hamster.

Greenwald GS. Anat Rec 178:139-43, Jan 74
Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic

OVULATION

- gonadotropin-releasing hormone. Koch Y, et al. *Biochem Biophys Res Commun* 55:623-9, 10 Dec 73
- Effects of salmon gonadotropin on ovulation in the ayu, *Plecoglossus altivelis*, with special reference to water balance. Hirose K, et al. *Comp Biochem Physiol [A]* 47:283-9, Jan 74
- Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al. *Fertil Steril* 24:921-5, Dec 73
- Induction of ovulation in pigs with gonadotrophin releasing hormone. Baker RD, et al. *J Anim Sci* 37:1376-9, Dec 73
- Seasonal variation in ovarian responsiveness of the cycling hamster to PMSG. Moore PJ, et al. *J Reprod Fertil* 36:219-20, Jan 74
- Effect of 5 alpha-dihydroprogesterone, pregn-5-ene-3 20-dione, pregnenolone and related progestins on ovulation in PMSG-treated immature rats. Sridharan BN, et al. *J Reprod Fertil* 36:83-90, Jan 74
- Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Labbsetwar AP, et al. *Nature [New Biol]* 246:55-6, 14 Nov 73
- The influence of melatonin administered subcutaneously, intravenously, or intraocularly upon ovulation in the PMS-treated immature rat. Pomerantz G, et al. *Neuroendocrinology* 12:354-61, 1973
- Ovarian development and ovulation in hens treated with synthetic (porcine) luteinizing hormone releasing hormone-follicle stimulating hormone releasing hormone (LH-RH-FSH-RH). Reeves JJ, et al. *Poult Sci* 52:1663-6, Sep 73
- Inhibition of ovulation and luteinizing hormone secretion in the cyclic rat by ergotamine tartrate. Raj HG, et al. *Proc Soc Exp Biol Med* 144:960-2, Dec 73
- Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordan treatment. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:796-601, Dec 73
- Induction of ovulation rats treated neonatally with androgen. Ying SY. *Proc Soc Exp Biol Med* 144:622-5, Dec 73
- Compensatory ovulation after unilateral ovariectomy in immature rats primed with gonadotropins. Ying SY, et al. *Proc Soc Exp Biol Med* 144:22-5, 1 Oct 73
- [Ovulation induced by human gonadotropins] Dokumov S. *Akush Ginekol (Mosk)* 49:47-50, Aug 73 (Eng. Abstr.) (Rus)
- [Medical induction of ovulation. Report of 250 cases] Ruiz Velasco V. *Ginecol Obstet Mex* 34:417-26, Nov 73 (Eng. Abstr.) (Spa)
- [Treatment of anovulatory sterility. VI. Results with the use of gonadotropic hypothalamic hormone] Zárate A, et al. *Ginecol Obstet Mex* 34:475-87, Nov 73 (Eng. Abstr.) (Spa)

PUBERTY

- Effects of steroid suppression and gonadectomy on adrenal 5alpha-reductase activity and corticosterone production in rats. Colby HD, et al. *Acta Endocrinol (Kbh)* 74:568-75, Nov 73
- Endocrine changes before and after the menarche. 3. Total thyroxine and "free thyroxine index", and the binding capacity of thyroxine binding proteins in female adolescents. Lamberg BA, et al. *Acta Endocrinol (Kbh)* 74:685-94, Dec 73
- Protein intake of well-nourished children and adolescents. Walt B. *Am J Clin Nutr* 26:1303-10, Dec 73
- Idiopathic gynecomastia in seven preadolescent boys. Elevation of urinary estrogen excretion in two cases. Latorre H, et al. *Am J Dis Child* 126:771-3, Dec 73
- Incomplete testicular feminization syndrome with pubertal virilization. Hlmathongkam T, et al. *Am J Obstet Gynecol* 116:286-90, 15 Jan 74
- Normal family regression at adolescence. Ravenscroft K Jr. *Am J Psychiatry* 131:31-5, Jan 74
- Timing of facial growth: a study of relations with stature and ossification in the hand around puberty. Grave KC. *Aust Orthod J* 3:117-22, Jun 73
- Gonadotropin release in prepubertal female mice following male exposure: a comparison with the adult cycle. Bronson FH, et al. *Biol Reprod* 9:449-59, Dec 73
- Estrogen-induced differentiation of the oviductal

GONADS

- epithellum in prepubertal dogs. Verhage HG, et al. *Biol Reprod* 9:475-88, Dec 73
- Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders. Lee PA. *Clin Endocrinol (Oxf)* 2:255-64, Jul 73
- Developmental defects of testicular morphology and steroidogenesis in the male rat pseudohermaphrodite and response to testosterone and dihydrotestosterone. Goldman AS, et al. *Endocrinology* 91:1-16, Jan 74
- Changes in the sexual behaviour of male rhesus monkeys (*M. mulatta*) at puberty. Comparisons with the behaviour of adults. Michael RP, et al. *Folia Primatol (Basel)* 19:384-403, May 73
- Cross-overs, sperm redundancy and their close association. Cohen J. *Heredity (Lond)* 31:408-13, Dec 73
- Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats. Fontaine YA, et al. *Horm Metab Res* 5:376-80, Sep 73
- The onset of puberty. Indian J Pediatr 40:200-1, May 73
- Notes on theory-making, on scotoma of the nipples and on the bee as nipple. Bradley N. *Int J Psychoanal* 54:301-14, 1973
- Linear growth study of the pharyngeal cavity. Castelli WA, et al. *J Dent Res* 52:1245-6, Nov-Dec 73
- Steroid metabolism in vitro by an interstitial cell tumour and the attached prepubertal testis. Richards G, et al. *J Endocrinol* 59:637-49, Dec 73
- An attempt to demonstrate cell migration from the zona glomerulosa in the prepubertal male rat adrenal cortex. Wright NA, et al. *J Endocrinol* 59:451-9, Dec 73
- Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 63:1-19, Jul 73 (111 ref.)
- Fat necrosis of the scrotum. Ong TH, et al. *J Pediatr Surg* 5:919-24, Dec 73
- A longitudinal study of gingivitis and puberty. Sutcliffe P. *J Periodont Res* 7:52-8, 1972
- Carnitine and glycerylphosphorylcholine in the reproductive tract of the male rat. Brooks DE, et al. *J Reprod Fertil* 36:141-60, Jan 74
- Regulation of blood levels of LH in bulls: Influence of age, breed, sexual stimulation and temporal fluctuations. Gombe S, et al. *J Reprod Fertil* 35:493-503, Dec 73
- Sexual development in the Mongolian gerbil, *Meriones unguiculatus*, with particular reference to the ovary. Norris ML, et al. *J Reprod Fertil* 36:245-6, Jan 74
- Proceedings: Plasma LH levels in developing cockerels. Sharp PJ. *J Reprod Fertil* 35:609-10, Dec 73
- Growth in diabetic children. Studies in identical twins. Tattersall RB, et al. *Lancet* 2:1105-9, 17 Nov 73
- The urinary manifestations of anxiety in child. Goldston R, et al. *Pediatrics* 52:616-22, Dec 73
- Development of puberty in Nigerian and White Leghorn cockerels. Aire TA. *Poult Sci* 52:1765-9, Sep 73
- Adrenal function in female rats before puberty: the effects of gonadectomy. Ramaley JA. *Steroids* 22:597-608, Nov 73
- Plasma testosterone and estrogens in pubertal gynecomastia. Bidlingmaier F, et al. *Z Kinderheilkd* 115:69-94, 9 Aug 73
- [Is multiple sclerosis an infectious disease?] Vymatal J, et al. *Cesk Neurol Neurochir* 36:279-63, Oct 73 (Eng. Abstr.) (Cze)
- [Physical and mental maturity of adolescents as a prerequisite of systematic education for parenthood in schools] Svobodová A. *Cesk Zdrav* 21:483-9, Nov 73 (Eng. Abstr.) (Cze)
- [Skin diseases in adolescence] Blomqvist K, et al. *Duodecim* 69:775-61, 1973 (17 ref.) (Fin)
- [Psychosomatic disorders in adolescence] Launiala K. *Duodecim* 69:726-33, 1973 (Fin)
- [Adolescent medicine] Mäenpää J. *Duodecim* 69:707-9, 1973 (Fin)
- [Adolescent somatic development and its variants] Perbeentupa J, et al. *Duodecim* 69:716-25, 1973 (Fin)
- [Depressions and psychotic symptoms in adolescence] Taipale V. *Duodecim* 69:734-41, 1973 (45 ref.) (Fin)
- [Society and the problems of adolescence] Taipale V. *Duodecim* 69:713-5, 1973 (Fin)
- [Clomiphene test in amenorrhea of mental anorexia (apropos of 26 cases)] Decourt J. *Ann Med Interne (Paris)* 124:641-5, Aug-Sep 73 (Fre)
- [Frequent errors in the metabolic regulation of juvenile diabetes mellitus] Schubowski H. *Z Aerzt Fortbild (Jena)* 67:684-9, 1 Jul 73 (Ger)

- [Immunochemical determination of luteinizing hormone (LH) in the urine of healthy children (author's transl)] Laspe H, et al.
Z Kinderheilkd 115:41-8, 9 Aug 73 (Eng. Abstr.) (Ger)
- [Light and electron microscopic studies on the porcine testicular interstitial cells during postnatal development (author's transl)] Dierichs R, et al.
Z Zellforsch Mikrosk Anat 143:207-27, 1973 (Ger)
- [Bioelectric activity of the brain in girls with functional bleedings at puberty] Grudzień M, et al.
Pol Tyg Lek 28:1800-2, 12 Nov 73 (Eng. Abstr.) (Pol)
- [Hormonal differences during the prepubertal and pubertal periods] Berezkhov LF, et al.
Vopr Okhr Materin Det 18:11-6, Jul 73 (Eng. Abstr.) (Rus)
- [Dynamics of the urinary excretion of 17-ketosteroids in healthy children aged 9-16] Lebed'kova SE, et al.
Vopr Okhr Materin Det 18:29-31, Jul 73 (Eng. Abstr.) (Rus)
- [Formation of a basal temperature cycle in girls during sexual maturation] Mel'nikova MM.
Vopr Okhr Materin Det 18:61-5, Nov 73 (Eng. Abstr.) (Rus)
- [Effect of the school swimming regimen on the function of the external respiration in children] Uzunova AN.
Vopr Okhr Materin Det 18:57-8, Aug 73 (Eng. Abstr.) (Rus)
- [Disorders of blood coagulation in patients with hypothalamic syndrome in the puberty period and forme fruste of Itsenko-Cushing syndrome] Vasilukova EA, et al.
Vrach Delo 9:73-6, Sep 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Dose and time dependence of testosterone-induced precocious puberty in female rats. Marton I, et al.
Acta Physiol Acad Sci Hung 43:49-53, 1973
- On the mechanism of the onset of puberty: identification and pattern of 5 alpha-androstane-3 beta, 17 beta-diol and its 3 alpha epimer in peripheral blood of immature female rats. Eckstein B, et al.
Endocrinology 91:224-9, Jan 74

SEX CHROMATIN

- Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al.
Acta Pathol Microbiol Scand [A] 81:352-8, May 73
- Sex chromosome aberrations and speech development. Garvey M, et al. Arch Dis Child 48:937-41, Dec 73
- Fluorescent bodies in amniotic fluid cells. Nelson MM.
Clin Genet 4:252-5, 1973
- Autosomal monosomy (45, XX, C--) in a human embryo with total amelia and further malformations. Pawlowitzki IH, et al. Clin Genet 4:193-202, 1973
- Concurrence of myotonic dystrophy and XXY Klinefelter syndrome. Sparkes RS, et al.
Clin Genet 4:264-9, 1973
- Endocrinopathy and IgA deficiency. Silver HK, et al.
Clin Immunol Immunopathol 1:212-9, Jan 73
- Quinacrine studies of sex chromatin and nucleoli in human brain. Iorio RJ, et al.
Humangenetik 20:329-33, 20 Dec 73
- Non-tumorous feminizing adrenogenital syndrome in the male subject. Gabrilove JL, et al.
J Urol 110:710-3, Dec 73
- Editorial: Cytogenetics and cancer. Koss LG.
JAMA 226:1349, 10 Dec 73
- Cytogenetical studies on swine intersexes. Miyake Y.
Jap J Vet Res 21:41-50, Jul 73
- Dermoid cyst of ovary containing fetus-like structure. Azoury RS, et al. Obstet Gynecol 42:887-91, Dec 73
- Gonadoblastoma associated with embryonal carcinoma. Talerman A. Obstet Gynecol 43:138-42, Jan 74
- Y chromatin as indicator of chimaerism following bone marrow transplantation in severe combined immunodeficiency. Nielsen H, et al.
Scand J Immunol 2:327-31, 1973
- Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al.
Tohoku J Exp Med 110:347-57, Aug 73
- [The practicing physician facing current problems in genetics] Julliard E, et al.
Rev Med Suisse Romande 93:655-68, Sep 73 (Fre)
- [Electron microscopic analysis of the contacts of heteropycnotic chromatin with the nuclear membrane using sex chromatin as an example]

- Kolomiets OL, et al.
Tsitologija 15:377-82, Apr 73 (Eng. Abstr.) (Rus)

ANALYSIS

- Translation. XO-XY mosaics: six case studies. Giraud F, et al. Arch Sex Behav 2:83-8, Jun 72
- Distribution of chromosome constitutive heterochromatin of Syrian hamster cells transformed by chemical carcinogens. DiPaolo JA, et al.
Cancer Res 33:3259-64, Dec 73
- Failure to thrive, vomiting, and undescended testes in a two-month-old boy. Zlail M, et al.
Clin Pediatr (Phila) 12:31A, Nov 73
- Human Y-chromatin. I. Dispersion and condensation. Wyandt HE, et al. Exp Cell Res 81:453-61, Oct 73
- Human Y-chromatin. 3. The nucleolus. Wyandt HE, et al. Exp Cell Res 81:468-73, Oct 73
- [Sex chromatin characteristics of breast cancer] Dimitrov G.
Khirurgija (Sofia) 26:335-9, 1973 (Eng. Abstr.) (Bul)
- [Sex chromatin in precancerous conditions of the uterine cervix] Havel V, et al.
Sb Ved Pr Lek Fak Karlovy Univ [Suppl] 15:Suppl 2:149-52, Feb 73 (Eng. Abstr.) (Cze)
- [Sex chromatin in the oral epithellum in patients with uterine cervix and breast cancer (preliminary report)] Cadel Z, et al.
Nowotwory 23:241-5, Jul-Sep 73 (Eng. Abstr.) (Pol)
- [Use of ultrasound in the staining of smears for determination of sex chromatin] Drakhli Eia.
Lab Delo 5:307, 1973 (Rus)
- [Basis for the examination of sex chromatin as an additional feature of biological activity of cancer of the breast] Ganina KP, et al.
Lab Delo 5:266-8, 1973 (Rus)
- [Results of using genetic methods of study in dermatology] Berenbafn BA, et al.
Vestn Dermatol Venerol 47:43-8, Jul 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Human Y-chromatin. II. DNA replication. Wyandt HE, et al. Exp Cell Res 81:462-7, Oct 73

METABOLISM

- Human Y-chromatin. II. DNA replication. Wyandt HE, et al. Exp Cell Res 81:462-7, Oct 73

SEX CHROMOSOMES

- Fetal chromosome analysis after transcervical placental biopsies during early pregnancy. Kullander S, et al. Acta Obstet Gynecol Scand 52:355-9, 1973
- Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome. Schelke O, et al.
Acta Pathol Microbiol Scand [A] 81:352-8, May 73
- Mammalian cytogenetics. VI. The chromosomes of a male specimen of Anoa depressicornis quarlesi. Koulscher L, et al.
Acta Zool Pathol Antwerp 56:21-4, Dec 72
- Mammalian cytogenetics. VII. The chromosomes of Cervus canadensis, Elaphurus davidianus, Cervus nippon (Temminck) and Pudu pudu. Koulscher L, et al. Acta Zool Pathol Antwerp 56:25-30, Dec 72
- Cutis laxa, skeletal anomalies, and ambiguous genitalia. Kaye CI, et al. Am J Dis Child 127:115-7, Jan 74
- The Ulrich-Noonan syndrome (Turner phenotype). Nora JJ, et al. Am J Dis Child 127:48-55, Jan 74
- Banding patterns of the chromosomes of man and gorilla. Egozcue J, et al.
Ann Genet (Paris) 16:207-10, Sep 73
- On the origin of 46,XX and 47,XXY males, 46,XY females and the position of the Xg locus. Côté GB.
Ann Hum Genet 37:21-30, Jul 73
- Primordial cell pool size and lineage relationships of five human cell types. Fialkow PJ.
Ann Hum Genet 37:39-48, Jul 73
- Gene modulation in Drosophila: dosage compensation of Pgd+ and Zw+ genes. Bowman JT, et al.
Biochem Genet 10:319-31, Dec 73
- Evidence for the clonal origin of chronic myeloid leukemia from a sex chromosome mosaic: clinical, cytogenetic, and marrow culture studies. Moore MA, et al. Blood 43:15-22, Jan 74
- Direct evidence for the response of B and T cells to pokeweed mitogen. Weber WT.
Cell Immunol 9:482-7, Dec 73

SEX CHROMOSOMES

GONADS

- Individualized human karyotyping through quantitative analysis. Neurath PW, et al. *Comput Biol Med* 2:181-93, Oct 72
- The chromosomes of an egg-laying mammal *Tachyglossus aculeatus* (the echidna). Black YA, et al. *Cytobios* 7:233-43, Jul-Aug 73
- Two functional X chromosomes in human fetal oocytes. Gartler SM, et al. *Exp Cell Res* 82:484-6, Dec 73
- Melanomas in *Xiphophorus variatus* (Pisces, Poeciliidae) in the absence of hybridization. Borowsky R. *Experientia* 29:1431-3, 15 Nov 73
- Identifying Y chromosome in interphase nuclei of the human brain. Goldgeffer LI, et al. *Experientia* 29:1428-9, 15 Nov 73
- Genetic and environmental control of a continuous trait, abnormal abdomen, in *Drosophila melanogaster*. Hillman R. *Genet Res* 22:37-50, Aug 73
- Bare-patches, a new sex-linked gene in the mouse, associated with a high production of XO females. I. A preliminary report of breeding experiments. Phillips RJ, et al. *Genet Res* 22:91-9, Aug 73
- Patterns of gene variation in central and marginal populations of *Drosophila robusta*. Prakash S. *Genetics* 75:347-69, Oct 73
- A familial Y-22 translocation in man. Reitalu J. *Hereditas* 74:155-60, 1973
- Selection for asymmetrical bias in a behavioural character of *Drosophila melanogaster*. Purnell DJ, et al. *Heredity* (Lond) 31:401-5, Dec 73
- De novo translocation t(Yq;15p+) in a malformed boy. Pfeiffer RA, et al. *Humangenetik* 19:349-52, 20 Sep 73
- Combined Klinefelter-Down syndrome or XYY syndrome? Singer H, et al. *Humangenetik* 19:261-4, 20 Sep 73
- X-X translocation in a patient with Turner's syndrome. Van den Berghe H, et al. *Humangenetik* 20:377-80, 20 Dec 73
- Renovascular hypertension. Prospective diagnostic yield in a random access population. Van den Berghe H, et al. *Humangenetik* 20:375-6, 20 Dec 73
- Pericentric Y inversion in the general population. Zeuthen E, et al. *Humangenetik* 19:265-70, 20 Sep 73
- Epithelioma adenoides cysticum (trichoepithelioma). Verma KC, et al. *Indian J Med Sci* 27:627-9, Aug 73
- Behavioral and physiological studies of a convulsing mutant chicken (*Gallus domesticus*). Kuenzel WJ, et al. *J Exp Zool* 187:63-70, Jan 74
- Brown-orange tortoiseshell cat. Lamoreux ML. *J Hered* 64:240, Jul-Aug 73
- Linkage relationships in domestic fowl. Somes RG Jr. *J Hered* 64:217-21, Jul-Aug 73
- Multiple satellite deoxyribonucleic acids in the calf and their relation to the sex chromosomes. Kurnit DM, et al. *J Mol Biol* 81:273-84, 15 Dec 73
- Altered karyotypes of transplantable "diploid" tumors. Wolman SR, et al. *J Natl Cancer Inst* 51:1909-14, Dec 73
- The Samuel Novey Lecture. Does sexual perversion exist? Stoller RJ. *Johns Hopkins Med J* 134:43-57, Jan 74
- Letter: Chromosome changes in congenital lymphoblastic leukaemia. Sharp JC, et al. *Lancet* 2:1448, 22 Dec 73
- Letter: Isochromosome X associated with paracentric inversion. Yanagisawa S. *Lancet* 2:1448, 22 Dec 73
- New developments in pharmacology of vitamin D. *Med Lett Drugs Ther* 16:15-6, 1 Feb 74
- Sex ratio in progeny of mice inseminated with sperm treated with H-Y antiserum. Bennett D, et al. *Nature* 246:308-9, 30 Nov 73
- Isolation of fractions rich in human Y sperm. Ericsson RJ, et al. *Nature* 246:421-4, 14 Dec 73
- A fate map of larval organs of *Drosophila* and preblastoderm determination. Falk R, et al. *Nature* [New Biol] 246:19-20, 7 Nov 73
- Androgenesis in the onkofly *Hylemya antiqua* (Meigen) demonstrated with a chromosomal marker. Heemert C van. *Nature* [New Biol] 246:21-2, 7 Nov 73
- Variability of serum creatine phosphokinase activity in normal women and carriers of the gene for Duchenne muscular dystrophy. Perry TB, et al. *Neurology* (Minneapolis) 23:1316-23, Dec 73
- Genetic-epidemiological studies of muscular dystrophy on a sample of population in Romania. I. Incidence of disease, genetic transmission, sporadic factor, sex involvement, gene manifestations in heterozygotes, onset in muscular dystrophy. Badiu G. *Rev Roum Neurol* 10:519-30, 1973
- The genetic counselling clinic at a children's hospital. Jenkins T, et al. *S Afr Med J* 47:1834-8, 13 Oct 73
- Pituitary and gonadal function in chromatin positive

- XXY Klinefelter's syndrome. Shirai M, et al. *Tohoku J Exp Med* 110:347-57, Aug 73
- Quinacrine fluorescence of testicular tumors. Khudr G, et al. *Urology* 2:162-4, Aug 73
- [Karyotype of the ochotona, *Ochotona rutescens rutescens*] Puget A, et al. *Acta Zool Pathol Antverp* 55:55-66, Nov 72 (Eng. Abstr.) (Fre)
- [13q+ chromosome due to a probable translocation of a supernumerary Y] Gilgenkrantz S, et al. *Ann Genet* (Paris) 16:167-72, Sep 73 (Eng. Abstr.) (Fre)
- [Sperm morphology, cervical milieu, time of insemination and sex ratios (author's transl)] Shettles LB. *Andrologie* 5:227-30, 1973 (23 ref.) (Eng. Abstr.) (Ger)
- [Dermatoglyphic studies in patients with primary and secondary hypoovarism] Spasov S, et al. *Zentralbl Gynaekol* 95:1287-90, 7 Sep 73 (Eng. Abstr.) (Ger)
- [Studies of marker of X chromosome. Glucose-6-phosphodehydrogenase (G-6-PD) in patients with gonadal dysgenesis] Neskornova U. *Endokrynol Pol* 24:311-6, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Examination of fluorescence of Y chromosome in blood smears in mentally ill patients] Oleinikov NI. *Lab Delo* 5:306-7, 1973 (Rus)
- [Differentiation along human chromosomes and the problem of their identification. II. X-chromosome] Baranovskaia LI, et al. *Tsitologiya* 15:650-8, Jun 73 (Eng. Abstr.) (Rus)

ANALYSIS

- Gonadal dysgenesis: report of a case with histochemical, histochemical and chromosomal observations. Cohen MP, et al. *Am J Clin Pathol* 60:805-10, Dec 73
- Distribution of chromosome constitutive heterochromatin of Syrian hamster cells transformed by chemical carcinogens. DiPaolo JA, et al. *Cancer Res* 33:3259-64, Dec 73
- Human Y-chromatin. I. Dispersion and condensation. Wyandt HE, et al. *Exp Cell Res* 81:453-61, Oct 73
- Microfluorometric detection of deoxyribonucleic acid replication in human metaphase chromosomes. Latt SA. *Proc Natl Acad Sci USA* 70:3395-9, Dec 73
- [Myeloproliferative disorder with hyperdiploid stemline (47,XY,mar +) (author's transl)] Vormittag W, et al. *Wien Klin Wochenschr* 85:747-9, 9 Nov 73 (Eng. Abstr.) (Ger)
- [Screening of the XYY karyotype by the static fluorescence nuclear method] Kosztolányi G, et al. *Orv Hetil* 114:3150-3, 30 Dec 73 (Hun)
- [Screening criminals for double chromosome Y] Kovács M, et al. *Orv Hetil* 114:2896-901, 2 Dec 73 (Hun)

METABOLISM

- Nucleolar and perichromosomal RNA synthesis during meiotic prophase in the mouse testis. Kierszenbaum AL, et al. *J Cell Biol* 60:39-53, Jan 74
- Microfluorometric detection of deoxyribonucleic acid replication in human metaphase chromosomes. Latt SA. *Proc Natl Acad Sci USA* 70:3395-9, Dec 73

PHYSIOLOGY

- Male and female differentiation of the human gonad. Boczkowski K. *Clin Genet* 4:213-9, 1973

SEX DETERMINATION

- Male and female differentiation of the human gonad. Boczkowski K. *Clin Genet* 4:213-9, 1973
- Fluorescent nodules in amniotic fluid cells. Nelson MM. *Clin Genet* 4:252-5, 1973
- Effect of hypophysectomy on sex transformation in frog tadpoles. Hsu CY, et al. *Endocrinol Jap* 20:391-5, Aug 73
- Sex identification of a human tooth. Seno M, et al. *Int J Forensic Dent* 1:8-11, Jul 73
- The utilization of fluorescent microscopy in routine chromosome analysis. Cullen SJ. *J Am Med Assoc* 28:633-8, Dec 73
- Sex differentiation of the gonad of fry transplanted into the anterior chamber of the adult eye in the teleost, *Oryzias latipes*. Sato N. *J Embryol Exp Morphol* 30:345-58, Oct 73

GONADS

SEX REVERSAL,

Women in sports. Chowdhury NN.

J Indian Med Assoc 61:146-8, 1 Aug 73

Sex predetermination and the sex ratio at birth. Jones

RJ. Soc Biol 20:203-11, Jun 73

SEX REVERSAL, GONADAL

Transsexuals: legal considerations. Holloway JP.

Arch Sex Behav 3:33-50, Jan 74

Sex differentiation of the gonad of fry transplanted
into the anterior chamber of the adult eye in the
teleost, *Oryzias latipes*. Sato N.

J Embryol Exp Morphol 30:345-58, Oct 73

PLACENTA

1. Physical and Functional Aspects

PLACENTA

ANALYSIS

- Determination of eight metals in the international biological standard by flameless atomic-absorption spectrometry. Schramel P.
Anal Chim Acta 67:69-77, Nov 73
 Plasma luteinizing hormone, follicle-stimulating hormone and prolactin during pregnancy in the mouse. Murr SM, et al. *Endocrinology* 91:112-6, Jan 74
 Net placental transfer of free amino acids against varying concentrations. Hill PM, et al.
J Physiol (Lond) 235:409-22, Dec 73
 Phospholipid content of early human placenta and fatty acid composition of the individual phospholipids. Nikolasev V, et al. *Steroids Lipids Res* 4:76-85, Mar 73
 [Determination of cholinergic activity of blood and tissues] Kalantaevskala KA, et al.
Lab Delo 2:76-9, 1973 (Rus)

ENZYMOLGY

- Fine structure of the fetal-maternal area of exchange in the epitheliochorial and endotheliochorial types of placenta. Björkman N.
Acta Anat (Basel) 86:Suppl 61:1-22, 1973 (69 ref.)
 Guinea pig placenta: fine structure and development. Davidoff M. *Acta Anat (Basel)* 86:Suppl 61:23-46, 1973
 Effect of oxytocin on the perfused human placenta in vitro. Branda LA, et al.
Am J Obstet Gynecol 117:1116-25, 15 Dec 73
 The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro. Saure A.
Ann Acad Sci Fenn [Med] 159:1-131, Sep 73
 Activity of the "red cell" acid phosphatase locus in other tissues. Swallow DM, et al.
Ann Hum Genet 37:31-8, Jul 73
 Kallikrein-like activity in human myometrium, placenta and amniotic fluid. Malofiejew M.
Biochem Pharmacol 22:123-7, 1 Jan 73
 Autosomal monosomy (45, XX, C--) in a human embryo with total amelia and further malformations. Pawlowski IH, et al. *Clin Genet* 4:193-202, 1973
 Similarities between pyruvate kinase from human placenta and tumours. Spellman CM, et al.
FEBS Lett 37:281-4, 1 Dec 73
 Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. Depp R, et al. *Gynecol Invest* 4:106-20, 1973
 Is the PGM1 locus subject to selection?
 Ananthakrishnan R, et al.
Humangenetik 19:247-52, 20 Sep 73
 Isolation and characterization of glucocerebrosidase from human placental tissue. Pentchev PG, et al.
J Biol Chem 248:5256-61, 10 Aug 73
 Leukocyte and placental metabolism as indices of fetal malnutrition. *Nutr Rev* 31:315-7, Oct 73 (11 ref.)
 The isoenzymes of alkaline phosphatase in sera of normal pregnancy at term. Rhone DP, et al.
Obstet Gynecol 43:31-40, Jan 74
 Group specific antigen and RNA-directed DNA polymerase activity in normal human placenta. Strickland JE, et al.
Proc Soc Exp Biol Med 144:256-8, 1 Oct 73
 [Glucose-6-phosphatase activity of the liver in pregnant rats, fetuses and placentas following glucose loading and estrogen administration] Kiutukchiev B, et al.

- Akush Ginekol (Sofia) 12:284-8, 1973 (Eng. Abstr.) (Bul)
 [Lactate dehydrogenase activity of the placenta in full-term pregnancy] Matrova Ts.
 Akush Ginekol (Sofia) 12:388-91, 1973 (Eng. Abstr.) (Bul)
 [Ultra-histochemical studies of the activity of alkaline phosphatase in the placentons (maternofetal circulation unit) of human term placentas (author's transl)] Borst RH, et al.
Arch Gynaecol 215:409-15, 1973 (Eng. Abstr.) (Ger)
 [Histochemical and biochemical ferment studies on the placenta following glucose infusion in the mother] Ruckhäherle KE, et al.
Zentralbl Gynaecol 95:1217-25, 1 Sep 73 (Eng. Abstr.) (Ger)
 [Serum enzyme activities and obstetrical physiopathology. II. Total alkaline phosphatase of the blood (AP) and its thermostable fraction of placental origin in normal pregnancy and in some pathological obstetrical conditions] Valsecchi A, et al.
Minerva Ginecol 25:577-85, Oct 73 (Eng. Abstr.) (Ita)
 [Activity of some lysosomal hydrolases in placenta and amniotic fluid samples in physiologic and pathologic gestations] Miecznikowski A, et al.
Ginekol Pol 44:1265-71, Nov 73 (Eng. Abstr.) (Pol)
 [Pyrrolidonyl peptidase (PLP) in females. Its activity in serum, urine, milk and placenta] Helmrath T.
Pol Tyg Lek 28:1924-7, 3 Dec 73 (Eng. Abstr.) (Pol)
 [Monoamine oxidase activity in the placenta in normal pregnancy] Matuszewski W, et al.
Pol Tyg Lek 28:1628-30, 15 Oct 73 (Eng. Abstr.) (Pol)
 [Deoxyribonuclease II activity in the placenta and myometrium in women with late labor due to an overdue fetus and in weak labor] Zhanileva EM, et al.
 Akush Ginekol (Mosk) 49:27-8, Jun 73 (Eng. Abstr.) (Rus)

METABOLISM

- Fine structure of the fetal-maternal area of exchange in the epitheliochorial and endotheliochorial types of placenta. Björkman N.
Acta Anat (Basel) 86:Suppl 61:1-22, 1973 (69 ref.)
 Guinea pig placenta: fine structure and development. Davidoff M. *Acta Anat (Basel)* 86:Suppl 61:23-46, 1973
 Morphological determinants in O₂-transfer across the human and Rhesus hemochorial placenta. Freese UE.
Adv Exp Med Biol 37:1027-39, 1973
 Placental oxygen gradients due to diffusion and chemical reaction. Holland RA.
Adv Exp Med Biol 37:1055-9, 1973
 Experimental models for in vivo and in vitro investigations on placental hemodynamics and oxygen supply to the fetus. Panigel M.
Adv Exp Med Biol 37:1061-5, 1973
 Maternal alkalosis and fetal oxygenation. Rankin JH.
Adv Exp Med Biol 37:1067-73, 1973
 Experimental and theoretical investigations of oxygen transport problems in fetal systems. Reneau DD.
Adv Exp Med Biol 37:995-6, 1973
 The intracellular localization of calcium within the mature human placental barrier. Croley TE.
Am J Obstet Gynecol 117:926-32, 1 Dec 73
 The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro. Saure A.
Ann Acad Sci Fenn [Med] 159:1-131, Sep 73
 Production of estrogen in rat placenta studied by electron microscope autoradiography and

biochemical analysis. Uchida K.
Arch Histol Jap 36:57-71, Sep 73

Biological aspects of prostaglandins. Andersen NH, et al. *Arch Intern Med* 133:30-50, Jan 74 (7 ref.)

Maternal and neonatal metabolism of analgesic drugs. Beckett AH.
Br J Anaesth 45:Suppl:770-81, Jul 73 (47 ref.)

The placental transfer of pentazocine and pethidine. Moore J, et al. *Br J Anaesth* 45:Suppl:798-801, Jul 73

Distribution of delta 9-tetrahydrocannabinol in the mouse. Freudenthal RI, et al.
Br J Pharmacol 44:244-9, Feb 72

Proceedings: In vitro use of radiolabelled isotopes as indicating placental function and/or fetal well-being. Chard T.
Br J Radiol 47:71, Jan 74

Proceedings: The clinical evaluation of placental function tests. Curzen P. *Br J Radiol* 47:70, Jan 74

The presence of serum alpha-fetoprotein in sharks and its synthesis by fetal gastrointestinal tract and liver. Gitlin D, et al.
Comp Biochem Physiol [B] 46:207-15, 15 Oct 73

Placental transfer of DDT in beef cattle. Rumsey TS, et al. *J Anim Sci* 37:1186-90, Nov 73

Kinetic analysis of calcium transport across the placenta. Ramberg CF Jr, et al.
J Appl Physiol 35:682-8, Nov 73

Proceedings: Progesterone-macromolecular interactions in preparations of human placental villous surface membrane. Smith NC, et al.
J Endocrinol 59:xvii, Nov 73

Experimental comparison of radioactive agents for studies of the placenta. Mahon DF, et al.
J Nucl Med 14:651-9, Sep 73

Placental iron transfer in the cat. Baker E, et al. *J Physiol (Lond)* 232:485-501, Aug 73

Net placental transfer of free amino acids against varying concentrations. Hill PM, et al.
J Physiol (Lond) 235:409-22, Dec 73

Leukocyte and placental metabolism as indices of fetal malnutrition. *Nutr Rev* 31:315-7, Oct 73 (11 ref.)

Phospholipid content of early human placenta and fatty acid composition of the individual phospholipids. Nikolasev V, et al. *Steroids Lipids Res* 4:76-85, Mar 73

The effect of thiazide diuretics on placental function. Shoemaker ES, et al. *Tex Med* 69:109-15, Oct 73

The effect of trypan blue on protein synthesis by maternal liver and placenta of mice. Tarachand U, et al. *Toxicology* 1:225-32, Sep 73

The fate of phenylglutaramide hydrochloride in the rat and man. Douglas JS, et al.
Xenobiotica 3:605-13, Sep 73

[Administration of 3H-benzpyrene to pregnant mice and rats: Incorporation of radioactivity into subcellular fractions of various tissues] Wunderlich V, et al.

Arch Geschwulstforsch 42:95-106, 1973 (Eng. Abstr.) (Ger)

[Cellular potentials and distribution of sodium-potassium in guinea pig placenta (author's transl)] Carstensen M, et al.
Arch Gynaekol 215:305-13, 1973 (Eng. Abstr.) (Ger)

[Some aspects of glucose metabolism in the human placenta] Lukasik J.
Pol Tyg Lek 28:2009-12, 17 Dec 73 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Notes on the use of stereological methods in comparative placentology. Baur R.
Acta Anat (Basel) 86:Suppl 61:75-10, 1973

Guinea pig placenta: fine structure and development. Davidoff M. *Acta Anat (Basel)* 86:Suppl 61:23-46, 1973

Placental function and oxygenation in the fetus. Moll W. *Adv Exp Med Biol* 37:1017-26, 1973

Use of small samples of urine to follow ovarian and placental changes in progesterone secretion. Metcalf MG. *Am J Obstet Gynecol* 117:1041-5, 15 Dec 73

The effects of the placenta and fetal fluids on the acceptance of foster young. Grotta LJ.
Dev Psychobiol 6:495-502, Nov 73

Placental separation in the ewe. Steven DH.
J Physiol (Lond) 233:10P-12P, Aug 73

Letter: Fetoplacental function tests. Rao LG.
Lancet 1:92, 19 Jan 74

[Current aspects of the placenta] Stucki D.
Z Krankenpf 66:352-6, Oct 73 (Fre)

[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P.
Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

[Value of determination of heat-stable fraction of alkaline phosphatase in the evaluation of placenta activity in the light of electrophoretic polyacrylamide gel studies] Waroński W, et al.
Ginekol Pol 44:1295-302, Nov 73 (Eng. Abstr.) (Pol)

PHYSIOPATHOLOGY

Blood disappearance rates of certain hormones and enzymes advocated as fetoplacental function tests. Crystle CD, et al. *Obstet Gynecol* 43:41-5, Jan 74

SECRETION

Termination of pregnancy by hypophysectomy in the pig. Kraeling RR, et al. *J Reprod Fertil* 36:215-7, Jan 74

[Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

PLACENTA

II. Disorders of the Placenta

CHORIOCARCINOMA

Primary intracranial choriocarcinoma in the pineal region, a case report and review of the literatures. Tabuchi K, et al. *Acta Med Okayama* 27:125-32, Aug 73 [Malignant testicular tumors] Seljelid R, et al. *Tidsskr Nor Laegeforen* 93:1945-8, 20 Sep 73 (Nor) [Retrospective data on the weight of newborn infants in oncological patients] Bershtein LM. *Vopr Onkol* 19:48-54, 1973 (Eng. Abstr.) (Rus)

BLOOD

Radioimmunoassay of alpha-fetoprotein: a contribution to the diagnosis of choriocarcinoma and hydatidiform mole. Seppälä M, et al. *Int J Cancer* 10:478-81, Nov 72

COMPLICATIONS

Choriocarcinoma presenting with massive rectal bleeding. Knobel J. *S Afr Med J* 47:2120, 10 Nov 73 [Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:836-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

DIAGNOSIS

In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y. *Endocrinol Jap* 20:291-306, Jun 73 Radioimmunoassay of alpha-fetoprotein: a contribution to the diagnosis of choriocarcinoma and hydatidiform mole. Seppälä M, et al. *Int J Cancer* 10:478-81, Nov 72 [Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al. *Ginekol Pol* 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

DRUG THERAPY

Malignant ovarian tumors in children. Ein SH. *J Pediatr Surg* 8:539-42, Aug 73

ETIOLOGY

[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al. *Ginekol Pol* 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

IMMUNOLOGY

Proceedings: Human leukocyte antigens and ABO blood groups in gestational trophoblastic neoplasms. Lewis JL Jr. *Proc Natl Cancer Conf* 7:205-11, 1973 HL-A matings in trophoblastic neoplasia. Klouda PT, et al. *Tissue Antigens* 2:280-4, 1972 Immunologic features of genitourinary cancer. Javadpour N. *Urology* 2:103-8, Aug 73 (49 ref.)

METABOLISM

Ultrastructure of the abnormal human trophoblast. Larsen JF. *Acta Anat (Basel)* 86:Suppl 61:47-74, 1973

PATHOLOGY

Ultrastructure of the abnormal human trophoblast. Larsen JF. *Acta Anat (Basel)* 86:Suppl 61:47-74, 1973 Primary intracranial choriocarcinoma in the pineal region, a case report and review of the literatures. Tabuchi K, et al. *Acta Med Okayama* 27:125-32, Aug 73 Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Mostofi FK. *Cancer* 32:1186-201, Nov 73 [Clinical picture of trophoblast tumors] Ruckhäberle B, et al.

Zentralbl Gynaekol 95:1142-7, 17 Aug 73 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al. *Ginekol Pol* 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

RADIOGRAPHY

Funicular and pedal lymphography in testicular tumours. Hultén L, et al. *Acta Chir Scand* 139:746-58, 1973 Primary intracranial choriocarcinoma in the pineal region, a case report and review of the literatures. Tabuchi K, et al. *Acta Med Okayama* 27:125-32, Aug 73

RADIOTHERAPY

Malignant ovarian tumors in children. Ein SH. *J Pediatr Surg* 8:539-42, Aug 73

SURGERY

Malignant ovarian tumors in children. Ein SH. *J Pediatr Surg* 8:539-42, Aug 73

THERAPY

Proceedings: Human leukocyte antigens and ABO blood groups in gestational trophoblastic neoplasms. Lewis JL Jr. *Proc Natl Cancer Conf* 7:205-11, 1973

HYDATIDIFORM MOLE

BLOOD

Serum chorionic gonadotropin activity after molar pregnancy, therapeutic abortion, and term delivery. Pastoride GB, et al. *Am J Obstet Gynecol* 118:293-4, 15 Jan 74 Radioimmunoassay of alpha-fetoprotein: a contribution to the diagnosis of choriocarcinoma and hydatidiform mole. Seppälä M, et al. *Int J Cancer* 10:478-81, Nov 72 Hypofibrinogenemia in hydatidiform mole. Beyth Y. *J Reprod Med* 11:223-4, Nov 73

COMPLICATIONS

Hypofibrinogenemia in hydatidiform mole. Beyth Y. *J Reprod Med* 11:223-4, Nov 73 [Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al. *Ginekol Pol* 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

DIAGNOSIS

In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y. *Endocrinol Jap* 20:291-306, Jun 73 Radioimmunoassay of alpha-fetoprotein: a contribution to the diagnosis of choriocarcinoma and hydatidiform mole. Seppälä M, et al. *Int J Cancer* 10:478-81, Nov 72 [Clinical picture of trophoblast tumors] Ruckhäberle B, et al. *Zentralbl Gynaekol* 95:1142-7, 17 Aug 73 (Eng. Abstr.) (Ger)

ENZYMOLGY

[Studies on fibrinolytic activity and alpha I antitrypsin in the human ovary and the ovarian carcinoma as well as in hydatidiform moles] Kldess E, et al. *Med Welt* 24:1406-7, Sep 73 (Ger)

PLACENTA

PLACENTA DISORDERS

HISTORY

Michael Scot and Mary of Bologna. A medieval gynecological puzzle. (Scot M), (Mary of Bologna), O'Neill YV. *Clio Med* 8:87-111, Jun 73

PATHOLOGY

Ultrastructure of the abnormal human trophoblast. Larsen JF. *Acta Anat (Basel)* 88:Suppl 61:47-74, 1973
[Clinical picture of trophoblast tumors] Ruckhäberle B, et al.
Zentralbl Gynaekol 95:1142-7, 17 Aug 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Radiologic aspects of an abortion program. Stern WZ, et al.
Am J Roentgenol Radium Ther Nucl Med 119:841-51, Dec 73

SURGERY

[Evacuation of the uterine content in hydatoid mole] Radonov D.
Akush Ginekoi (Sofia) 12:135-8, 1973 (Bul)
[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al.
Ginekoi Pol 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

THERAPY

[Clinical picture of trophoblast tumors] Ruckhäberle B, et al.
Zentralbl Gynaekol 95:1142-7, 17 Aug 73 (Eng. Abstr.) (Ger)

URINE

[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al.
Ginekoi Pol 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

PLACENTA DISORDERS

The importance of the period of dietary restriction of the dam on behavior and growth in the rat. Hsueh AM, et al. *J Nutr* 104:37-48, Jan 74
Genetic influence on response to dietary manganese deficiency in mice. Hurley LS, et al.
J Nutr 104:133-7, Jan 74
A new method for clinical evaluation of fetal malnutrition in newborn. Adachi T.
Z Geburtshilfe Perinatol 177:291-5, Aug 73

BLOOD

In pregnancy: effect of iron and folic acid on riboflavin status. Clarke HC.
Int J Vitam Nutr Res 43:438-41, Apr 73

CHEMICALLY INDUCED

Lymphocytosis in the first-trimester placenta of a mother taking diphenylhydantoin. Greco MA, et al.
N Engl J Med 289:867-8, 18 Oct 73

COMPLICATIONS

Report of a conference on protein and amino acid needs for growth and development. Munro HN.
Am J Clin Nutr 27:55-8, Jan 74
The importance of the period of dietary restriction of the dam on behavior and growth in the rat. Hsueh AM, et al. *J Nutr* 104:37-48, Jan 74
Placenta membranacea. Pryse-Davies J, et al.
J Obstet Gynaecol Br Commonw 80:1106-10, Dec 73
The later growth of the brain and its vulnerability. Dohblng J. *Pediatrics* 53:2-8, Jan 74 (15 ref.)
[Significance of pathological placenta findings in intrauterine fetal death] Hözl M, et al.
Zentralbl Gynaekol 95:1481-91, 19 Oct 73 (Eng. Abstr.) (Ger)
[Proceedings: Abnormal intrauterine development]

Cantarutti F, et al.

Minerva Pediatr 25:1550-62, 20 Oct 73 (Ita)

DIAGNOSIS

Sudden fetal death following diagnostic amniocentesis. Goodlin RC, et al.
Am J Obstet Gynecol 118:285-8, 15 Jan 74
The serological response to *Aspergillus fumigatus* in experimental mycotic abortion in sheep. Corbel MJ, et al. *J Med Microbiol* 6:539-48, Nov 73
Placenta membranacea. Pryse-Davies J, et al.
J Obstet Gynaecol Br Commonw 80:1106-10, Dec 73
Prenatal assessment of placental insufficiency. Willocks J. *Nurs Times* 69:1154-6, 6 Sep 73
A study of maternal urinary level of estriol related to fetal malnutrition. Adachi T, et al.
Z Geburtshilfe Perinatol 177:295-9, Aug 73
[Current aspects of the placenta] Stuckl D.
Z Krankenpf 66:352-6, Oct 73 (Fre)
[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P.
Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (56 ref.) (Ger)
[Heat-stable alkaline phosphatase in maternal serum and the function of the placenta] Houtorff J, et al.
Zentralbl Gynaekol 95:1057-67, 3 Aug 73 (Eng. Abstr.) (Ger)

ETIOLOGY

The origin of "X cells" of the human placenta and their possible relationship to intrauterine growth retardation: an enigma. Ermocilla R, et al.
Am J Obstet Gynecol 117:1137-40, 15 Dec 73
Maternal factors in "fetally malnourished" black newborn infants. Miller HC, et al.
Am J Obstet Gynecol 118:62-7, 1 Jan 74
Villous basement membrane thickening and fibrinoid necrosis in normal and abnormal placentas. Sen DK, et al. *Am J Obstet Gynecol* 118:278-81, 15 Jan 74
Placental villitis of unknown etiology: harbinger of serious disease? A four month's experience of nine cases. Althausler G. *J Reprod Med* 11:215-22, Nov 73
[Hydrops fetalis without hydrops placentae and blood group incompatibility in women with pregnancy toxemia] Ninov L.
Akush Ginekoi (Sofia) 12:145-9, 1973 (Eng. Abstr.) (Bul)
[Correlation between severity of haemolytic disease of the newborn and impairment of placental maturation (author's transl)] Werner C, et al.
Geburtshilfe Frauenheilkd 33:776-85, Oct 73 (Eng. Abstr.) (Ger)

METABOLISM

Early postnatal changes in brain composition in progeny of rats fed different levels of dietary pyridoxine. Pang RL, et al. *J Nutr* 104:111-7, Jan 74
Leukocyte and placental metabolism as indices of fetal malnutrition. *Nutr Rev* 31:315-7, Oct 73 (11 ref.)
[Some aspects of glucose metabolism in the human placenta] Lukasik J.
Pol Tyg Lek 28:2009-12, 17 Dec 73 (Eng. Abstr.) (Pol)

MICROBIOLOGY

Placental villitis of unknown etiology: harbinger of serious disease? A four month's experience of nine cases. Althausler G. *J Reprod Med* 11:215-22, Nov 73

MORTALITY

The importance of the period of dietary restriction of the dam on behavior and growth in the rat. Hsueh AM, et al. *J Nutr* 104:37-48, Jan 74

PATHOLOGY

Villous basement membrane thickening and fibrinoid necrosis in normal and abnormal placentas. Sen DK, et al. *Am J Obstet Gynecol* 118:278-81, 15 Jan 74
Congenital constricting bands and congenital amputation of the fingers: placental studies. Field JH, et al. *J Bone Joint Surg [Am]* 55:1035-41, Jul 73
Experimental placental detachment in the rhesus monkey: changes in villous ultrastructure. Myers RE, et al. *J Med Primatol* 2:170-89, 1973

PLACENTA DISORDERS

- Placenta membranacea. Pryse-Davies J, et al.
J Obstet Gynaecol Br Commonw 80:1106-10, Dec 73
 Placental villitis of unknown etiology: harbinger of serious disease? A four month's experience of nine cases. Althuler G. *J Reprod Med* 11:215-22, Nov 73
 [Correlation between severity of haemolytic disease of the newborn and impairment of placental maturation (author's transl)] Werner C, et al.
Geburtshilfe Frauenheilkd 33:776-85, Oct 73 (Eng. Abstr.) (Ger)
 [Significance of pathological placenta findings in intrauterine fetal death] Hölzl M, et al.
Zentralbl Gynaekol 95:1481-91, 19 Oct 73 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

- Experimental placental detachment in the rhesus monkey: changes in villous ultrastructure. Myers RE, et al. *J Med Primatol* 2:170-89, 1973

THERAPY

- [Treatment of cows with placental retention] Red'kin IP. *Veterinarika* 3:85-6, Feb 73 (Rus)

URINE

- A study of maternal urinary level of estriol related to fetal malnutrition. Adachi T, et al.
Z Geburtshilfe Perinatol 177:295-9, Aug 73

VETERINARY

- [Treatment of cows with placental retention] Red'kin IP. *Veterinarika* 3:85-6, Feb 73 (Rus)

TROPHOBLASTIC TUMOR

- [Various clinical pictures of trophoblastic neoplasia (author's transl)] Yamashita S, et al.
J Jap Soc Cancer Ther 8:302-12, 10 Sep 73 (Eng. Abstr.) (Jap)

BLOOD

- In vitro perfusion of the human utero-tubo-ovarian unit. Tojo S, et al.
Am J Obstet Gynecol 118:119-29, 1 Jan 74
 In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of

PLACENTA

- HPL in trophoblastic disease. Sato Y.
Endocrinol Jap 20:291-306, Jun 73

DIAGNOSIS

- In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y.
Endocrinol Jap 20:291-306, Jun 73
 [Letter: Pituitary gonadotropin inhibition test. New data in the detection and the biological surveillance of trophoblastic tumors in both sexes] Hinglais H, et al.
Acad Rev 2:2601, 3 Nov 73 (Fre)
 [Malignant trophoblastic tumors] Klem V, et al.
Tidsskr Nor Laegeforen 93:1965-7, 20 Sep 73 (Nor)

DRUG THERAPY

- [Pregnancies following methotrexate treatment. Chromosome analysis in mother and child] Junge WD, et al.
Zentralbl Gynaekol 95:1126-9, 10 Aug 73 (Eng. Abstr.) (Ger)
 [Malignant trophoblastic tumors] Klem V, et al.
Tidsskr Nor Laegeforen 93:1965-7, 20 Sep 73 (Nor)
 [Ruhomycin in the treatment of trophoblastic tumors] Toloknov BO.
Vopr Onkol 19:23-7, 1973 (Eng. Abstr.) (Rus)

IMMUNOLOGY

- Proceedings: Human leukocyte antigens and ABO blood groups in gestational trophoblastic neoplasms. Lewis JL Jr. *Proc Natl Cancer Conf* 7:205-11, 1973

PATHOLOGY

- Ultrastructure of the abnormal human trophoblast. Larsen JF. *Acta Anat (Basel)* 86:Suppl 61:47-74, 1973
 [Clinical picture of trophoblast tumors] Ruckhäberle B, et al.
Zentralbl Gynaekol 95:1142-7, 17 Aug 73 (Eng. Abstr.) (Ger)

THERAPY

- Proceedings: Human leukocyte antigens and ABO blood groups in gestational trophoblastic neoplasms. Lewis JL Jr. *Proc Natl Cancer Conf* 7:205-11, 1973

PLACENTA

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs

GONADOTROPINS, CHORIONIC

Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in mitochondrial steroid hydroxylations. Baron J. *Biochem Biophys Res Commun* 54:784-9, 18 Sep 73
Blood-group activity of human chorionic gonadotropin. März L, et al. *Biochem Biophys Res Commun* 55:717-23, 10 Dec 73
Serum thyrotropin and hypothyroidism during lithium therapy. Lindstedt G, et al. *Clin Chim Acta* 48:127-33, 12 Oct 73
Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. Bhalla VK, et al. *J Biol Chem* 249:43-51, 10 Jan 74

ADMINISTRATION & DOSAGE

Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C. *Am J Obstet Gynecol* 117:955-61, 1 Dec 73
Effect of a synthetic gonadotropin-releasing hormone on plasma concentrations of luteinizing hormone in ponies. Ginther OJ, et al. *Am J Vet Res* 35:79-81, Jan 74
Treatment of ovarian insufficiency by gonadotrophins. Crooke AC, et al. *Endocrinol Exp (Bratisl)* 7:275-82, 1973
Induction of ovulation in pigs with gonadotrophin releasing hormone. Baker RD, et al. *J Anim Sci* 37:1376-9, Dec 73
Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73
Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73
Effect of chorionic gonadotropin on corpus luteum of the monkey. Surve AH, et al. *Proc Soc Exp Biol Med* 144:963-8, Dec 73
The optimum age to correct cryptorchidism. Littimer JK, et al. *Trans Am Assoc Genitourin Surg* 65:108-12, 1973

ADVERSE EFFECTS

Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al. *Fertil Steril* 24:921-5, Dec 73
Does gonadotrophin-induced ovulation in mice cause malformations in the offspring? Eibling L. *Nature* 246:37-9, 2 Nov 73

ANALYSIS

Blood-group activity of human chorionic gonadotropin. März L, et al. *Biochem Biophys Res Commun* 55:717-23, 10 Dec 73
Proceedings: In vitro use of radioisotopes as indicating placental function and/or fetal well-being. Chard T. *Br J Radiol* 47:71, Jan 74
Letter: Human chorionic gonadotropin: a proposal for the amino acid sequence. Morgan FJ, et al. *Mol Cell Biochem* 2:97-9, 15 Nov 73
[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berie P. *Dtsch Med Wochenschr* 98:2146-50, 9 Nov 73 (56 ref.) (Ger)
[Method of enzyme labeling in immunohistochemistry] Gordienko VM, et al. *Arkiv Patol* 35:69-74, 1973 (94 ref.) (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

In vitro inactivation of gonadotrophins by psidium root

extract. Chang CL, et al. *J Formosan Med Assoc* 72:379-85, Jul 73

BIOSYNTHESIS

Ultrastructure of the abnormal human trophoblast. Larsen JF. *Acta Anat (Basel)* 86:Suppl 61:47-74, 1973
[Hormonal function of the placenta] Bagramian ER. *Sov Med* 35:66-71, Dec 72 (36 ref.) (Rus)

BLOOD

Rapid radioimmunoassay of human chorionic gonadotropin using a two-antibody system. Kato H, et al. *Acta Obstet Gynaecol Jap* 19:171-5, Jul 72
Serum levels of FSH and LH following normal parturition. Said SA, et al. *Acta Obstet Gynecol Scand* 52:361-5, 1973
Serum chorionic gonadotropin activity after molar pregnancy, therapeutic abortion, and term delivery. Pastorlde GB, et al. *Am J Obstet Gynecol* 118:293-4, 15 Jan 74
Plasma human chorionic gonadotropin, estrone, estradiol, estriol, progesterone, and 17 alpha-hydroxyprogesterone in human pregnancy. 3. Early normal pregnancy. Tulchinsky D, et al. *Am J Obstet Gynecol* 117:884-93, 1 Dec 73
Effect of arginine and arginine-glucose infusion on serum human chorionic gonadotropin response in postpartum women. Kato H, et al. *Endocrinol Jap* 20:417-9, Aug 73
In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y. *Endocrinol Jap* 20:291-306, Jun 73
Radioimmunological determination of human chorionic gonadotropin, human placental lactogen, growth hormone and thyrotropin in the serum of mother and child during the early puerperium. Geiger W. *Horm Metab Res* 5:342-6, Sep 73
Blood disappearance rates of certain hormones and enzymes advocated as fetoplacental function tests. Crystle CD, et al. *Obstet Gynecol* 43:41-5, Jan 74
Use of a radioimmunoassay specific for human chorionic gonadotropin in the diagnosis of early ectopic pregnancy. Kosasa TS, et al. *Obstet Gynecol* 42:868-71, Dec 73
Follicle stimulating hormone (FSH) and luteinizing hormone-human chorionic gonadotropin (LH-HCG) concentrations in paired maternal and cord sera. Penny R, et al. *Pediatrics* 53:41-7, Jan 74
[Diagnostic significance of determining chorionic gonadotropin and antihormonal antibody titer] Fedorov IuG, et al. *Vopr Okhr Materin Det* 18:74-8, Jul 73 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

A gonadotropin-responsive adrenocortical adenoma. Givens JR, et al. *J Clin Endocrinol Metab* 38:126-33, Jan 74
Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shirai M, et al. *Tohoku J Exp Med* 110:347-57, Aug 73
[Combination of ACTH dexamethazone and HCG in the differential diagnosis of hirsutism and polycystic ovaries (author's transl)] Divilla F, et al. *Cesk Gynkol* 38:627-9, Sep 73 (Cze)
[Gonadal hormones in male hypogonadism] González Gancedo P, et al. *Rev Clin Esp* 131:187-94, 15 Nov 73 (Eng. Abstr.) (Spa)

METABOLISM

In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y. *Endocrinol Jap* 20:291-306, Jun 73
HCG-receptor present in the gonadotrophin insensitive

- Leydig cell of the immature rat. Frowein J, et al. *Nature* [New Biol] 246:148-50, 5 Dec 73
 In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. Pittaway DE, et al. *Steroids* 22:731-45, Dec 73
 [Hormonal function of the placenta] Bagramian ER. *Sov Med* 35:68-71, Dec 72 (36 ref.) (Rus)

PHARMACODYNAMICS

- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al. *Acta Endocrinol* (Kbh) 74:642-58, Dec 73
 Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexyldienemethane. Tojo S, et al. *Acta Obstet Gynecol Scand* 52:335-43, 1973
 Effect of sexual steroids and androgen sterilization on avoidance and exploratory behaviour in the rat. Telegdy G, et al. *Acta Physiol Acad Sci Hung* 43:55-63, 1973
 Effect of a synthetic gonadotropin-releasing hormone on plasma concentrations of luteinizing hormone in ponies. Ginther OJ, et al. *Am J Vet Res* 35:79-81, Jan 74
 Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Rao CV, et al. *Biochem Biophys Res Commun* 54:744-50, 18 Sep 73
 The effect of gonadotropins on the mitochondrial adenylate cyclase of rat testis. Sulimovic S, et al. *Biochem Biophys Res Commun* 55:673-9, 10 Dec 73
 Treatment of ovarian insufficiency by gonadotrophins. Crooke AC, et al. *Endocrinol Exp* (Bratisl) 7:275-82, 1973
 The possible mode of action of prostaglandins. 3. Ovarian response to exogenous gonadotrophins in the presence of PGF₂alpha or PGE₂ in immature rats. Chatterjee A. *Endocrinologie* 61:307-11, May 73
 Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al. *Fertil Steril* 24:921-5, Dec 73
 Actions of human chorionic somatomammotropin (HCS) in dog subcutaneous adipose tissue in situ. Fredholm BB, et al. *Horm Metab Res* 5:347-50, Sep 73
 Induction of ovulation in pigs with gonadotropin releasing hormone. Baker RD, et al. *J Anim Sci* 37:1376-9, Dec 73
 Alpha chlorohydrin: studies on the mechanism of action in male swine. Johnson LA, et al. *J Anim Sci* 37:1207-11, Nov 73
 Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al. *J Clin Endocrinol Metab* 38:99-106, Jan 74
 Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. Weinstein RL, et al. *J Clin Invest* 53:1-6, Jan 74
 Proceedings: Effect of protein hormones on the biosynthesis of dehydroepiandrosterone sulphate by human foetal adrenal tissue in vitro. Isherwood DM, et al. *J Endocrinol* 59:xxxiv-xxxv, Nov 73
 Proceedings: On the mechanism of action of luteinizing hormone on steroidogenesis. Robinson J, et al. *J Endocrinol* 59:xix-xx, Nov 73
 Hatching, attachment, and outgrowth of mouse blastocysts in vitro: fixed nitrogen requirements. Spindle AI, et al. *J Exp Zool* 186:305-18, Dec 73
 Loss of eggs associated with tubal insemination in the rabbit. Adams CE. *J Reprod Fertil* 35:405-13, Dec 73
 Development of mouse embryos with abnormalities induced by parental heat stress. Belivé AR. *J Reprod Fertil* 35:393-403, Dec 73
 Differences in ovarian sensitivity of mice selected for fecundity. Bldon BM, et al. *J Reprod Fertil* 36:221-4, Jan 74
 Proceedings: The effect of HCG on follicular activity in the cow. Dobson H. *J Reprod Fertil* 35:605, Dec 73
 Chemical and physical characteristics of the macromolecular components of the cervical mucus from cows after synchronization of oestrus with melengestrol acetate. Glhbons RA, et al. *J Reprod Fertil* 35:469-76, Dec 73
 Proceedings: Capacitation of boar spermatozoa: regional influences of the female reproductive tract. Hunter RH, et al. *J Reprod Fertil* 35:593-4, Dec 73
 The influence of oviductal fluid on the development of

- one-cell rabbit embryos in vitro. Kille JW, et al. *J Reprod Fertil* 35:415-23, Dec 73
 Fertilization in vitro of rat eggs as affected by the maturity of the females and the sperm concentration. Niwa K, et al. *J Reprod Fertil* 35:577-80, Dec 73
 HCG-receptor present in the gonadotrophin insensitive Leydig cell of the immature rat. Frowein J, et al. *Nature* [New Biol] 246:148-50, 5 Dec 73
 The effect of oxytocin on renal blood flow and its distribution in the dog. Barnes AB. *Nephron* 11:40-57, 1973
 Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73
 Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73
 A systematic analysis of the hCG augmentation assay for follicle stimulating hormone. Jacobs MM, et al. *Proc Soc Exp Biol Med* 144:106-9, 1 Oct 73
 Effect of chorionic gonadotropin on corpus luteum of the monkey. Surve AH, et al. *Proc Soc Exp Biol Med* 144:963-8, Dec 73
 Teratogenic effects of methylmercury in the cat: note on the use of this species as a model for teratogenicity studies. Khara KS. *Teratology* 8:293-303, Dec 73
 [Excretion of the urinary unconjugated estrogens during the menstrual cycle, the pregnancy, and after HCG and HMG stimulation (author's transl)] Desfosses B, et al. *Steroids Lipids Res* 4:86-97, Mar 73 (Eng. Abstr.) (Fre)
 [The effect of a spleen dialysate on the genital organs of the male rat. 2. Radioimmunological studies on plasma testosterone (author's transl)] Lunglmayr G, et al. *Andrologie* 5:223-26, 1973 (Eng. Abstr.) (Ger)
 [A new method for studying influences of oecology on spermatogenesis in the rat (author's transl)] Mauss J. *Andrologie* 5:159-62, 1973 (Eng. Abstr.) (Ger)
 [Preliminary report on clinical, biochemical, and anatomical investigations of boys with undescended testes (author's transl)] Jendricke K, et al. *Monatsschr Kinderheilkd* 121:634-5, Oct 73 (Eng. Abstr.) (Ger)

SECRETION

- [Precocity (author's transl)] Helge H. *Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

THERAPEUTIC USE

- Amenorrhea following use of combined oral contraceptives. Furuheim M, et al. *Acta Obstet Gynecol Scand* 52:373-9, 1973
 Induction of ovulation in patients following removal of a pituitary adenoma. Gemzell C. *Am J Obstet Gynecol* 117:955-61, 1 Dec 73
 Treatment of ovarian insufficiency by gonadotrophins. Crooke AC, et al. *Endocrinol Exp* (Bratisl) 7:275-82, 1973
 Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Pollak A, et al. *Fertil Steril* 24:921-5, Dec 73
 Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al. *N Engl J Med* 290:10-5, 3 Jan 74
 [Clomiphene test in amenorrhea of mental anorexia (apropos of 26 cases)] Decourt J. *Ann Med Interne (Paris)* 124:641-5, Aug-Sep 73 (Fre)
 [Histological investigations of cryptorchidism (author's transl)] Brandesky G, et al. *Monatsschr Kinderheilkd* 121:611-3, Oct 73 (Eng. Abstr.) (Ger)
 [Preliminary report on clinical, biochemical, and anatomical investigations of boys with undescended testes (author's transl)] Jendricke K, et al. *Monatsschr Kinderheilkd* 121:634-5, Oct 73 (Eng. Abstr.) (Ger)
 [Diseases of the gonads in childhood (author's transl)] Knorr D. *Monatsschr Kinderheilkd* 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

PLACENTA

PLACENTAL EXTRACTS

URINE

- Human chorionic gonadotropin levels during pregnancy in Indian women. Ragbavan V, et al. *Indian J Med Res* 61:298-303, Feb 73
- [LDH activity (NAD-oxidoreductase 1, 1, 1, 27) in serum in relation to the hormonal activity of the organism (author's transl)] Cerný J, et al. *Sb Lek* 75:369-72, Nov 73 (Eng. Abstr.) (Cze)
- [Progresses in the field of pregnancy diagnosis] Richter RH, et al. *Med Lab (Stuttg)* 26:193-8, Aug 73 (Ger)
- [Determination of urinary LH and minute quantities of HCG with erythrocyte agglutination inhibition reaction] Yamada Y, et al. *Clin Endocrinol (Tokyo)* 21:855-62, Aug 73 (Jap)
- [Chorionic gonadotropin excretion in threatened abortion. II. Maintained pregnancy] Szymański W, et al. *Ginekol Pol* 44:1133-6, Oct 73 (Eng. Abstr.) (Pol)
- [Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatsosa] Wawryk R, et al. *Ginekol Pol* 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)
- [Diagnostic significance of determining chorionic gonadotropin and antihormonal antibody titer] Fedorov IuG, et al. *Vopr Okhr Materin Det* 18:74-8, Jul 73 (Eng. Abstr.) (Rus)

GONADOTROPINS, EQUINE

ADMINISTRATION & DOSAGE

- Induction of ovulation in pigs with gonadotrophin releasing hormone. Baker RD, et al. *J Anim Sci* 37:1376-9, Dec 73
- Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73
- Pituitary LH response to LHRH in rats after treatment with PMS-bCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73
- Compensatory ovulation after unilateral ovariectomy in immature rats primed with gonadotropins. Ying SY, et al. *Proc Soc Exp Biol Med* 144:22-5, 1 Oct 73

ADVERSE EFFECTS

- Does gonadotrophin-induced ovulation in mice cause malformations in the offspring? Elbling L. *Nature* 246:37-9, 2 Nov 73

ANTAGONISTS & INHIBITORS

- In vitro inactivation of gonadotropins by psidium root extract. Chang CL, et al. *J Formosan Med Assoc* 72:379-85, Jul 73

BIOSYNTHESIS

- The origin of equine endometrial cups. II. Invasion of the endometrium by trophoblast. Allen WR, et al. *Anat Rec* 177:485-501, Dec 73
- The origin of equine endometrial cups. 3. Light and electron microscopic study of fully developed equine endometrial cups. Hamilton DW, et al. *Anat Rec* 177:503-17, Dec 73

BLOOD

- A preliminary study upon the use of prostaglandins for inducing oestrus in non-cycling thoroughbred mares. Allen WR, et al. *Equine Vet J* 5:137-40, Oct 73

PHARMACODYNAMICS

- Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexylidenemethane. Tojo S, et al. *Acta Obstet Gynecol Scand* 52:335-43, 1973
- Quantitative aspects of follicular development in the untreated and PMS-treated cyclic hamster. Greenwald GS. *Anat Rec* 178:139-43, Jan 74
- Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Rao CV, et al. *Biochem Biophys Res Commun* 54:744-50, 18 Sep 73

The possible mode of action of prostaglandins. 3.

- Ovarian response to exogenous gonadotrophins in the presence of PGF₂alpha or PGE₂ in immature rats. Chatterjee A. *Endokrinologie* 61:307-11, May 73
- Induction of ovulation in pigs with gonadotrophin releasing hormone. Baker RD, et al. *J Anim Sci* 37:1376-9, Dec 73

Alpha chlorohydrin: studies on the mechanism of action in male swine. Johnson LA, et al. *J Anim Sci* 37:1207-11, Nov 73

- Proceedings: The influence of lactation on the ovarian response of Bikaneri ewes of different haemoglobin types to pregnant mare serum gonadotrophin administration. Pant HC. *J Endocrinol* 59:48, Nov 73
- Hatching, attachment, and outgrowth of mouse blastocysts in vitro: fixed nitrogen requirements. Spindle AI, et al. *J Exp Zool* 186:305-18, Dec 73
- Differences in ovarian sensitivity of mice selected for fecundity. Bindon BM, et al. *J Reprod Fertil* 36:221-4, Jan 74

- Proceedings: The effects of progestagens and PMSG on peripheral plasma LH levels in the Clun Forest ewe. Lintin K, et al. *J Reprod Fertil* 35:607-9, Dec 73
- Seasonal variation in ovarian responsiveness of the cycling hamster to PMSG. Moore PJ, et al. *J Reprod Fertil* 36:219-20, Jan 74

- Fertilization in vitro of rat eggs as affected by the maturity of the females and the sperm concentration. Niwa K, et al. *J Reprod Fertil* 35:577-80, Dec 73
- Proceedings: Follicle growth initiation in the immature mouse ovary: extraovarian or intraovarian control? Peters H, et al. *J Reprod Fertil* 35:619-20, Dec 73
- Effect of 5 alpha-dihydroprogesterone, pregn-5-ene-3 20-dione, pregnenolone and related progestins on ovulation in PMSG-treated immature rats. Sridharan BN, et al. *J Reprod Fertil* 36:83-90, Jan 74

- Breeding of European hamsters. Mohr U, et al. *Lab Anim Sci* 23:799-802, Dec 73

The influence of melatonin administered subcutaneously, intravenously, or intraocularly upon ovulation in the PMS-treated immature rat.

- Pomerantz G, et al. *Neuroendocrinology* 12:354-61, 1973

- Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-bCG-treated rats. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:999-1001, Dec 73

- Pituitary LH response to LHRH in rats after treatment with PMS-bCG or ovariectomy followed with estrogen and progesterone. Colombo JA, et al. *Proc Soc Exp Biol Med* 144:1002-5, Dec 73

- Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordane treatment. Wedig JH, et al. *Proc Soc Exp Biol Med* 144:796-801, Dec 73
- Compensatory ovulation after unilateral ovariectomy in immature rats primed with gonadotropins. Ying SY, et al. *Proc Soc Exp Biol Med* 144:22-5, 1 Oct 73
- Teratogenic effects of methylmercury in the cat: note on the use of this species as a model for teratogenicity studies. Khera KS. *Teratology* 8:293-303, Dec 73
- Observations on the synchronization of oestrus in Sarda sheep. Bonadonna T, et al. *Zentralbl Veterinärmed [A]* 20:395-400, Jul 73

- [A new method for studying influences of oecology on spermatogenesis in the rat (author's transl)] Mauss J. *Andrologie* 5:159-62, 1973 (Eng. Abstr.) (Ger)

SECRETION

- The origin of equine endometrial cups. 3. Light and electron microscopic study of fully developed equine endometrial cups. Hamilton DW, et al. *Anat Rec* 177:503-17, Dec 73

PLACENTAL EXTRACTS

- Immunochemical and immunopathological studies of trophoblast antigens. Preliminary results using a crude placental extract. Park HS, et al. *Hawaii Med J* 32:385-8, Nov-Dec 73

PHARMACODYNAMICS

- [Inhibition of lymphocyte transformation in vitro by protein fractions from the serum of pregnant women and placental extracts] Straube W, et al. *Zentralbl Gynaekol* 95:1462-5, 12 Oct 73 (Eng. Abstr.) (Ger)

PLACENTAL HORMONES

PLACENTA

PLACENTAL HORMONES

- [Current aspects of the placenta] Stucki D.
Z Krankenpf 66:352-6, Oct 73 (Fre)
[Letter: Leucocytosis in pregnancy] Anger H.
Dtsch Med Wochenschr 98:2374, 7 Dec 73 (Ger)

ANALYSIS

- [Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P.
Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

BLOOD

- [Glycaemic control of the maternal serum levels of human chorionic somatomammotropin (HCS) during pregnancy (author's transl)] Gaspard U, et al.
Acta Paediatr Belg 27:218-30, 1973 (Eng. Abstr.) (Fre)

METABOLISM

- [Glycaemic control of the maternal serum levels of human chorionic somatomammotropin (HCS) during pregnancy (author's transl)] Gaspard U, et al.
Acta Paediatr Belg 27:218-30, 1973 (Eng. Abstr.) (Fre)

PHYSIOLOGY

- [Glycaemic control of the maternal serum levels of human chorionic somatomammotropin (HCS) during pregnancy (author's transl)] Gaspard U, et al.
Acta Paediatr Belg 27:218-30, 1973 (Eng. Abstr.) (Fre)

SECRETION

- [Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

PLACENTAL LACTOGEN

- [Human placental lactogen] Shimada N.
Jap J Midwife 27:59, MAY 73 (Jap)
[Human placental lactogen] Shimada N.
Jap J Midwife 27:58, Sep 73 (Jap)

ANALYSIS

- Proceedings: In vitro use of radioisotopes as indicating placental function and/or fetal well-being. Chard T.
Br J Radiol 47:71, Jan 74
[Immunochemical detection of human pregnancy proteins in sera from pregnant animals (author's transl)] Bohn H, et al.
Arch Gynaecol 215:277-84, 1973 (Eng. Abstr.) (Ger)
[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P.
Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

BIOSYNTHESIS

- In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of

- HPL in trophoblastic disease. Sato Y.
Endocrinol Jap 20:291-306, Jun 73
[Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

BLOOD

- The appearance of some blood-borne substances during human pregnancy. Bhansali KG, et al.
Am J Pharm 145:201-5, Nov-Dec 73
Human growth hormone in pregnancy. Spona J, et al.
Endocrinol Exp (Bratisl) 7:297-300, 1973
In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y.
Endocrinol Jap 20:291-306, Jun 73
Radioimmunological determination of human chorionic gonadotropin, human placental lactogen, growth hormone and thyrotropin in the serum of mother and child during the early puerperium. Geiger W.
Horm Metab Res 5:342-6, Sep 73
Human placental lactogen (HPL) levels in abnormal pregnancies. Lindberg BS, et al.
J Obstet Gynaecol Br Commonw 80:1046-53, Dec 73
Human placental lactogen (HPL) in serum in complicated early pregnancy. Ylikorkala O, et al.
J Obstet Gynaecol Br Commonw 80:1040-5, Dec 73
Human placental lactogen (HPL) levels in maternal serum during abortion induced by intra- and extra-amniotic injection of prostaglandin F2a. Ylikorkala O, et al.
J Obstet Gynaecol Br Commonw 80:927-31, Oct 73
Human placental lactogen: the watchdog of fetal distress. England P, et al. Lancet 1:5-6, 5 Jan 74

METABOLISM

- Binding of radiolodinated human placental lactogen to buffalo corpus luteum in vitro. Moodbidri SB, et al.
J Reprod Fertil 35:453-60, Dec 73
[Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

PHARMACODYNAMICS

- Actions of human chorionic somatomammotropin (HCS) in dog subcutaneous adipose tissue in situ. Fredholm BB, et al. Horm Metab Res 5:347-50, Sep 73
Proceedings: Effect of protein hormones on the biosynthesis of dehydroepiandrosterone sulphate by human foetal adrenal tissue in vitro. Isherwood DM, et al. J Endocrinol 59:xxxiv-xxxv, Nov 73

PHYSIOLOGY

- In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease. Sato Y.
Endocrinol Jap 20:291-306, Jun 73
[Current concepts of insulin resistance and causes of its development] Lishko KIA, et al.
Ter Arkh 45:9-15, Sep 73 (75 ref.) (Rus)

SOMATOMAMMOTROPIN (HCS)

- [Glycaemic control of the maternal serum levels of human chorionic somatomammotropin (HCS) during pregnancy (author's transl)] Gaspard U, et al.
Acta Paediatr Belg 27: 218-30, 1973 (Fre)

- Actions of human chorionic somatomammotropin (HCS) in dog subcutaneous adipose tissue in situ. Fredholm BB, et al. Horm Metab Res 5: 347-50 Sep 73

PARATHYROID AND BONE

1. Physical and Functional Aspects

PARATHYROID GLANDS

Fetal plasma calcium levels after maternal thyroparathyroidectomy and administration of thyrocalcitonin and parathyroid extract in rats. Baksl SN. *Indian J Med Res* 61:1082-6, Jul 73
[Intraoperative elective staining of parathyroid tissue (experimental and clinical study)] Agugiaro S. *J Chir (Paris)* 106:403-8, Oct 73 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

Parathyroid gland structure of some tropical lizards. Senlor W. *J Morphol* 142:91-107, Jan 74

BLOOD SUPPLY

Parathyroid gland structure of some tropical lizards. Senlor W. *J Morphol* 142:91-107, Jan 74

CYTOLOGY

Uptake of ³H-labelled and ¹²⁵I-labelled toluidine blue in hyperplastic parathyroids of rabbits. Normann E, et al. *Acta Chir Scand* 139:629-33, 1973
Parathyroid gland structure of some tropical lizards. Senlor W. *J Morphol* 142:91-107, Jan 74
The transplanted parathyroid gland: evaluation of cryopreservation and other environmental factors which affect its function. Wells SA Jr, et al. *Surgery* 75:49-55, Jan 74

DRUG EFFECTS

Parathyroid gland changes following ozone inhalation: a morphologic study. Atwal OS, et al. *Arch Environ Health* 28:91-100, Feb 74

METABOLISM

Uptake of ³H-labelled and ¹²⁵I-labelled toluidine blue in hyperplastic parathyroids of rabbits. Normann E, et al. *Acta Chir Scand* 139:629-33, 1973
[Electrolytes and osmolarity of the amniotic fluid: analysis of the fetal factors involved in their regulation] Massobrio M, et al. *Ann Ostet Ginecol Med Perinat* 93:531-45, Aug 72 (Eng. Abstr.) (Ita)

PATHOLOGY

Uptake of ³H-labelled and ¹²⁵I-labelled toluidine blue in hyperplastic parathyroids of rabbits. Normann E, et al. *Acta Chir Scand* 139:629-33, 1973
Parathyroid gland changes following ozone inhalation: a morphologic study. Atwal OS, et al. *Arch Environ Health* 28:91-100, Feb 74
Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al. *Australas Radiol* 17:199-204, Jun 73

PHYSIOLOGY

In vivo and in vitro studies on ionized versus total serum calcium in hyperparathyroidism. Lindgärde F. *Acta Endocrinol (Khh)* 74:501-10, Nov 73
Inhibition by thyrocalcitonin of estrogen-induced bone resorption in the mouse pubic symphysis. Steinetz BG, et al. *Am J Pathol* 73:735-46, Dec 73

Effect of saline infusion on phosphate transport in intact and thyroparathyroidectomized rats. Maesaka JK, et al. *Am J Physiol* 225:1421-9, Dec 73
Effect of tetragastrin on calcium absorption from rat duodenal loop in vivo. Fujita T. *Endocrinol Jap* 20:407-10, Aug 73

Parathyroid gland and serum calcium concentration in the giant salamander, *Megalobatrachus davidianus*. Oguro C. *Gen Comp Endocrinol* 21:565-8, Dec 73

Fetal plasma calcium levels after maternal thyroparathyroidectomy and administration of thyrocalcitonin and parathyroid extract in rats. Baksl SN. *Indian J Med Res* 61:1082-6, Jul 73

Effects of acetazolamide on the urinary excretion of cyclic AMP and on the activity of renal adenylyl cyclase. Rodriguez HJ, et al. *J Clin Invest* 53:122-30, Jan 74
Micropuncture studies of phosphate transport in the proximal tubule of the dog. The relationship to sodium reabsorption. Wen SF. *J Clin Invest* 53:143-53, Jan 74

Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. *J Nutr* 104:18-27, Jan 74

The transplanted parathyroid gland: evaluation of cryopreservation and other environmental factors which affect its function. Wells SA Jr, et al. *Surgery* 75:49-55, Jan 74

[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H. *Dtsch Med Wochenschr* 98:2088-94, 2 Nov 73 (12 ref.) (Ger)

PHYSIOPATHOLOGY

Parathyroid function in patients with Paget's disease treated with salmon calcitonin. Burckhardt PM, et al. *Clin Endocrinol (Oxf)* 2:15-22, Jan 73
The effects in the rat of varying intakes of dietary calcium, phosphorus, and hydrogen ion on hyperparathyroidism due to chronic renal failure. Kaye M. *J Clin Invest* 53:256-69, Jan 74

SURGERY

Indications for parathyroidectomy in patients with chronic renal failure. Finch T, et al. *Am Surg* 40:40-4, Jan 74
Anaesthetic management of anephric patients and patients in renal failure. Estafanous FG, et al. *Can Anaesth Soc J* 20:769-81, Nov 73
Parathyroid gland and serum calcium concentration in the giant salamander, *Megalobatrachus davidianus*. Oguro C. *Gen Comp Endocrinol* 21:565-8, Dec 73
Proceedings: The effect of calcitonin on intestinal calcium absorption in the pig. Swaminathan R, et al. *J Endocrinol* 59:xx-xxi, Nov 73
Changing patterns in hyperparathyroidism. Friedman EW, et al. *Surg Gynecol Obstet* 137:941-4, Dec 73
The diagnosis and treatment of hyperparathyroidism after renal homotransplantation. Gels WP, et al. *Surg Gynecol Obstet* 137:997-1010, Dec 73

TRANSPLANTATION

The diagnosis and treatment of hyperparathyroidism after renal homotransplantation. Gels WP, et al. *Surg Gynecol Obstet* 137:997-1010, Dec 73
The transplanted parathyroid gland: evaluation of cryopreservation and other environmental factors which affect its function. Wells SA Jr, et al. *Surgery* 75:49-55, Jan 74

PARATHYROID AND BONE

11. Disorders of the Parathyroid Glands

HYPERPARATHYROIDISM

Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al. *Australas Radiol* 17:199-204, Jun 73
Hyperparathyroidism: the risk of recurrence. Marsden P, et al. *Clin Endocrinol (Oxf)* 2:9-13, Jan 73

BLOOD

In vivo and in vitro studies on ionized versus total serum calcium in hyperparathyroidism. Lindgärde F. *Acta Endocrinol (Kbh)* 74:501-10, Nov 73
Urinary excretion of free cortisol in hypercalcaemia. Schonau Jorgensen F, et al. *Acta Endocrinol (Kbh)* 74:122-6, Sep 73
Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al. *Australas Radiol* 17:199-204, Jun 73
Osteoid mineralization defect in primary hyperparathyroidism. Bordier PJ, et al. *Clin Endocrinol (Oxf)* 2:377-86, Oct 73
Double-antibody radioimmunoassay for parathyroid hormone. Conaway HH, et al. *J Lab Clin Med* 83:129-38, Jan 74
[Letter: Urinary excretion of calcium in hyperparathyroidism] Johansen JK, et al. *Ugeskr Laeger* 135:1028-30, 21 May 73 (Dan)
[Recurrent familial hyperthyroidism with pseudomyopathic onset and central neurological involvement] Doury P, et al. *Ann Med Interne (Paris)* 124:617-23, Aug-Sep 73 (Fre)
[Peptic ulcer and pancreatitis in primary hyperparathyroidism (review of the literature)] Starostin LN, et al. *Khirurgia (Mosk)* 49:128-33, Aug 73 (102 ref.) (Rus)

COMPLICATIONS

Pancreatic glucagon in health and disease. Unger RH. *Adv Intern Med* 17:265-88, 1973 (37 ref.)
Glucagon, gastrin, and carcinoid tumors of the duodenum, pancreas, and stomach: polypeptide "apudomas" of the foregut. Friesen SR, et al. *Am J Surg* 127:90-101, Jan 74
Value of serum gastrin in the diagnosis of the Zollinger-Ellison syndrome. Hansky J, et al. *Aust NZ J Med* 3:349-54, Aug 73
Corneal calcification as a presenting and diagnostic sign in hyperparathyroidism. Porter R, et al. *Br J Ophthalmol* 57:665-8, Sep 73
Hyperparathyroidism: the risk of recurrence. Marsden P, et al. *Clin Endocrinol (Oxf)* 2:9-13, Jan 73
The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma. Hajjar ET, et al. *J Med Liban* 26:241-5, 1973
The co-existence of parathyroid and thyroid disease. II. Primary hyperparathyroidism and thyrotoxicosis. Hajjar ET, et al. *J Med Liban* 26:247-52, 1973
Editorial: The early diagnosis of primary hyperparathyroidism. Salti IS. *J Med Liban* 26:209-10, 1973
Case report: depression, catatonic stupor, and EEG changes in hyperparathyroidism. Cooper AF, et al. *Psychol Med* 3:509-15, Nov 73
Calcium excretion in the urine in patients with hyperparathyroidism. Johansen JK, et al. *Scand J Urol Nephrol* 7:168-71, 1973
[Gastrointestinal symptoms in primary hyperparathyroidism] Pacovsky V, et al. *Vnitř Lek* 19:1164-70, Dec 73 (Eng. Abstr.) (Cze)
[Letter: Urinary excretion of calcium in hyperparathyroidism] Johansen JK, et al. *Ugeskr Laeger* 135:1028-30, 21 May 73 (Dan)
[A myopathic form of hyperparathyroidism] Aubert P, et al. *Ann Med Interne (Paris)* 124:453-8, May 73 (Fre)
[Diagnosis and treatment of hypercalcaemia] Verbanck M, et al. *Brux Med* 53:649-68, Nov 73 (Fre)

[Collagen in endocrine diseases with bone involvement] Ganea E. *Stud Cercet Endocrinol* 24:473-82, 1973 (Rum)
[Peptic ulcer and pancreatitis in primary hyperparathyroidism (review of the literature)] Starostin LN, et al. *Khirurgia (Mosk)* 49:128-33, Aug 73 (102 ref.) (Rus)
[Case of primary hyperparathyroidism with an atypical course] Iatsenko VN, et al. *Klin Med (Mosk)* 51:124-5, May 73 (Rus)

DIAGNOSIS

Indications for parathyroidectomy in patients with chronic renal failure. Finch T, et al. *Am Surg* 40:40-4, Jan 74
Corneal calcification as a presenting and diagnostic sign in hyperparathyroidism. Porter R, et al. *Br J Ophthalmol* 57:665-8, Sep 73
Editorial: The early diagnosis of primary hyperparathyroidism. Salti IS. *J Med Liban* 26:209-10, 1973
Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. *J Nutr* 104:18-27, Jan 74
Case report: depression, catatonic stupor, and EEG changes in hyperparathyroidism. Cooper AF, et al. *Psychol Med* 3:509-15, Nov 73
Changing patterns in hyperparathyroidism. Friedman EW, et al. *Surg Gynecol Obstet* 137:941-4, Dec 73
The diagnosis and treatment of hyperparathyroidism after renal homotransplantation. Gels WP, et al. *Surg Gynecol Obstet* 137:997-1010, Dec 73
Primary or pseudohyperparathyroidism? Herr HW, et al. *Urology* 2:62-5, Jul 73
[A myopathic form of hyperparathyroidism] Aubert P, et al. *Ann Med Interne (Paris)* 124:453-8, May 73 (Fre)
[Hypercalcaemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. *Med Klin* 68:1365-70, 15 Oct 73 (Eng. Abstr.) (Ger)
[Case of primary hyperparathyroidism with an atypical course] Iatsenko VN, et al. *Klin Med (Mosk)* 51:124-5, May 73 (Rus)

DRUG THERAPY

Osteoid mineralization defect in primary hyperparathyroidism. Bordier PJ, et al. *Clin Endocrinol (Oxf)* 2:377-86, Oct 73
The effect of ethinyloestradiol on calcium and phosphorus metabolism of post-menopausal women with primary hyperparathyroidism. Gallagher JC, et al. *Clin Sci Mol Med* 45:785-802, Dec 73
The diagnosis and treatment of hyperparathyroidism after renal homotransplantation. Gels WP, et al. *Surg Gynecol Obstet* 137:997-1010, Dec 73
[Thyrocalcitonin and its clinical use] Migunova NA, et al. *Sov Med* 36:34-8, Apr 73 (54 ref.) (Rus)

ENZYMOLGY

Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al. *Australas Radiol* 17:199-204, Jun 73
Osteoid mineralization defect in primary hyperparathyroidism. Bordier PJ, et al. *Clin Endocrinol (Oxf)* 2:377-86, Oct 73
[Combined determination of total alkaline phosphatases and 5-nucleotidase in bone pathology] Lejeune E, et al. *Rev Rhum Mai Osteoartic* 40:573-80, Oct 73 (Fre)

ETIOLOGY

The effects in the rat of varying intakes of dietary calcium, phosphorus, and hydrogen ion on hyperparathyroidism due to chronic renal failure. Kaye M. *J Clin Invest* 53:256-69, Jan 74
Editorial: Hypercalcaemia, cancer, and prostaglandins. *Lancet* 2:1247-8, 1 Dec 73

PARATHYROID AND BONE

Proceedings: Tumors of the parathyroid glands.
Goldman L, et al. *Proc Natl Cancer Conf* 7:537-42, 1973
Changing patterns in hyperparathyroidism. Friedman
EW, et al. *Surg Gynecol Obstet* 137:941-4, Dec 73
The diagnosis and treatment of hyperparathyroidism
after renal homotransplantation. Gels WP, et al.
Surg Gynecol Obstet 137:997-1010, Dec 73
Primary or pseudohyperparathyroidism? Herr HW, et
al. *Urology* 2:62-5, Jul 73
[Recurrent familial hyperthyroidism with
pseudomyopathic onset and central neurological
involvement] Doury P, et al.
Ann Med Interne (Paris) 124:617-23, Aug-Sep 73 (Fre)

FAMILIAL & GENETIC

Hyperparathyroidism: the risk of recurrence. Marsden
P, et al. *Clin Endocrinol (Oxf)* 2:9-13, Jan 73
[Recurrent familial hyperthyroidism with
pseudomyopathic onset and central neurological
involvement] Doury P, et al.
Ann Med Interne (Paris) 124:617-23, Aug-Sep 73 (Fre)

METABOLISM

Clinical studies and applications of cyclic nucleotides.
Murad F.
Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
Osteoid mineralization defect in primary
hyperparathyroidism. Bordier PJ, et al.
Clin Endocrinol (Oxf) 2:377-86, Oct 73
The effects in the rat of varying intakes of dietary
calcium, phosphorus, and hydrogen ion on
hyperparathyroidism due to chronic renal failure.
Kaye M. *J Clin Invest* 53:256-69, Jan 74

PATHOLOGY

Primary hyperparathyroidism--a clinical, biochemical
and radiological profile with emphasis on
geographical variations. Sridhar CB, et al.
Australas Radiol 17:199-204, Jun 73
[Hyperparathyroidism from the pathologic viewpoint]
Heltz P. *Med Lab (Stuttg)* 26:233-6, Sep 73 (Ger)

PHYSIOPATHOLOGY

Inhibition of gastrin release and gastric secretion by
calcitonin in patients with peptic ulcer. Becker HD, et
al. *Am J Surg* 127:71-5, Jan 74
Osteoid mineralization defect in primary
hyperparathyroidism. Bordier PJ, et al.
Clin Endocrinol (Oxf) 2:377-86, Oct 73
The effects in the rat of varying intakes of dietary
calcium, phosphorus, and hydrogen ion on
hyperparathyroidism due to chronic renal failure.
Kaye M. *J Clin Invest* 53:256-69, Jan 74
[Peptic ulcer and pancreatitis in primary
hyperparathyroidism (review of the literature)]
Starostin LN, et al.
Khirurgia (Mosk) 49:128-33, Aug 73 (102 ref.) (Rus)

RADIOGRAPHY

Primary hyperparathyroidism--a clinical, biochemical
and radiological profile with emphasis on
geographical variations. Sridhar CB, et al.
Australas Radiol 17:199-204, Jun 73

SURGERY

Primary hyperparathyroidism--a clinical, biochemical
and radiological profile with emphasis on
geographical variations. Sridhar CB, et al.
Australas Radiol 17:199-204, Jun 73
Hyperparathyroidism: the risk of recurrence. Marsden
P, et al. *Clin Endocrinol (Oxf)* 2:9-13, Jan 73
Double-antibody radioimmunoassay for parathyroid
hormone. Conaway HH, et al.
J Lab Clin Med 83:129-38, Jan 74
Changing patterns in hyperparathyroidism. Friedman
EW, et al. *Surg Gynecol Obstet* 137:941-4, Dec 73
The diagnosis and treatment of hyperparathyroidism
after renal homotransplantation. Gels WP, et al.
Surg Gynecol Obstet 137:997-1010, Dec 73

URINE

Urinary excretion of free cortisol in hypercalcaemia.

Schonoau Jorgensen F, et al.
Acta Endocrinol (Kbh) 74:122-6, Sep 73
Calcium excretion in the urine in patients with
hyperparathyroidism. Johansen JK, et al.
Scand J Urol Nephrol 7:168-71, 1973
[Letter: Urinary excretion of calcium in
hyperparathyroidism] Johansen JK, et al.
Ugeskr Laeger 135:1028-30, 21 May 73 (Dan)

VETERINARY

Calcium and phosphorus homeostasis in horses.
Argenzio RA, et al. *J Nutr* 104:18-27, Jan 74

HYPERPARATHYROIDISM, SECONDARY

BLOOD

Double-antibody radioimmunoassay for parathyroid
hormone. Conaway HH, et al.
J Lab Clin Med 83:129-38, Jan 74

COMPLICATIONS

Bone disease in two cases of
cystinosis--histomorphometric analysis of the vitamin
D effect. Schulz A, et al. *Beitr Pathol* 150:43-54, Oct 73
Corneal calcification as a presenting and diagnostic
sign in hyperparathyroidism. Porter R, et al.
Br J Ophthalmol 57:665-8, Sep 73
Dermatologic evaluation of pruritus in patients on
hemodialysis. Young AW Jr, et al.
NY State J Med 73:2670-4, 15 Nov 73

DIAGNOSIS

Parathyroid function in patients with Paget's disease
treated with salmon calcitonin. Burckhardt PM, et al.
Clin Endocrinol (Oxf) 2:15-22, Jan 73

ETIOLOGY

Hyperparathyroidism in patients on chronic
hemodialysis. Savoy GM, et al.
Am J Surg 126:755-7, Dec 73
Indications for parathyroidectomy in patients with
chronic renal failure. Finch T, et al.
Am Surg 40:40-4, Jan 74
Pheochromocytoma causing excessive parathyroid
hormone production and hypercalcaemia. Kukreja SC,
et al. *Ann Intern Med* 79:838-40, Dec 73
Proceedings: Tumors of the parathyroid glands.
Goldman L, et al. *Proc Natl Cancer Conf* 7:537-42, 1973
Hypocalcaemia following bilateral nephrectomy. Cheigh
JS, et al. *Urology* 2:121-4, Aug 73
[Cardiovascular complications in advanced uremia]
Jacobs C, et al.
Ann Cardiol Angelol (Paris) 22:401-8, Oct 73 (Eng.
Abstr.) (Fre)

SURGERY

Hyperparathyroidism in patients on chronic
hemodialysis. Savoy GM, et al.
Am J Surg 126:755-7, Dec 73
Indications for parathyroidectomy in patients with
chronic renal failure. Finch T, et al.
Am Surg 40:40-4, Jan 74

HYPOPARATHYROIDISM

BLOOD

Urinary excretion of free cortisol in hypercalcaemia.
Schonoau Jorgensen F, et al.
Acta Endocrinol (Kbh) 74:122-6, Sep 73

COMPLICATIONS

[Viscero-vascular manifestations in the clinical course
of hypocalcemic tetany] Martynov IuS, et al.
Klin Med (Mosk) 51:79-83, Jan 73 (Eng. Abstr.) (Rus)

ENZYMOLGY

[Creatine kinase activity and hypocalcaemia (author's
transl)] Hower J, et al.

PARATHYROID AND BONE

Dtsch Med Wochenschr 99:14-5, 4 Jan 74 (Eng. Abstr.) (Ger)

ETIOLOGY

Case report: Primary (autoimmune?) parathyroiditis. Van de Casseye M, et al. Virchows Arch [Pathol Anat] 361:257-61, 27 Nov 73 [Thyrotoxicosis treated surgically. A 5-year material from Drammen Hospital] Foss NE, et al. Tidsskr Nor Laegeforen 93:2017-20, 30 Sep 73 (Eng. Abstr.) (Nor)

FAMILIAL & GENETIC

[A familial study of Whitaker's syndrome] Breynaert R, et al. Acta Paediatr Belg 27:184-217, 1973 (Fre)

METABOLISM

Clinical studies and applications of cyclic nucleotides. Murad F. Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)

PATHOLOGY

Case report: Primary (autoimmune?) parathyroiditis. Van de Casseye M, et al. Virchows Arch [Pathol Anat] 361:257-61, 27 Nov 73

URINE

Urinary excretion of free cortisol in hypercalcaemia. Schonau Jorgensen F, et al. Acta Endocrinol (Kbh) 74:122-8, Sep 73

PARATHYROID DISEASES

CHEMICALLY INDUCED

Long-term feeding and reproduction studies on emulsifier YN in rats. Brantom PG, et al. Food Cosmet Toxicol 11:755-69, Oct 73

COMPLICATIONS

Neurological aspects of carcinoma and systemic diseases. Mawdsley C. Practitioner 211:282-94, Sep 73 (30 ref.) Case report: Primary (autoimmune?) parathyroiditis. Van de Casseye M, et al. Virchows Arch [Pathol Anat] 361:257-61, 27 Nov 73 [Hypercalcemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. Med Klin 68:1365-70, 15 Oct 73 (Eng. Abstr.) (Ger)

METABOLISM

Uptake of 3H-labelled and 125I-labelled toluidine blue in hyperplastic parathyroids of rabbits. Normann E, et al. Acta Chir Scand 139:629-33, 1973 [Hypercalcemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. Med Klin 68:1365-70, 15 Oct 73 (Eng. Abstr.) (Ger)

PATHOLOGY

Case report: Primary (autoimmune?) parathyroiditis. Van de Casseye M, et al. Virchows Arch [Pathol Anat] 361:257-61, 27 Nov 73

PARATHYROID NEOPLASMS

COMPLICATIONS

Glucagon, gastrin, and carcinoid tumors of the duodenum, pancreas, and stomach: polypeptide "apudomas" of the foregut. Friesen SR, et al. Am J Surg 127:90-101, Jan 74 Corneal calcification as a presenting and diagnostic sign in hyperparathyroidism. Porter R, et al. Br J Ophthalmol 57:865-8, Sep 73 The co-existence of parathyroid and thyroid disease. II.

Primary hyperparathyroidism and thyrotoxicosis. Hajjar ET, et al. J Med Liban 26:247-52, 1973 The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma. Hajjar ET, et al. J Med Liban 26:241-5, 1973 Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. Proc Natl Cancer Conf 7:163-77, 1973 Primary or pseudohyperparathyroidism? Herr HW, et al. Urology 2:62-5, Jul 73 [Recurrent familial hyperthyroidism with pseudomyopathic onset and central neurological involvement] Doury P, et al. Ann Med Interne (Paris) 124:617-23, Aug-Sep 73 (Fre) [Hyperinsulinism and polyendocrine adenomatosis] Basoli A, et al. Folia Endocrinol (Roma) 26:356-60, Oct 73 (Ita) [The thyroid medullary carcinoma syndrome, pheochromocytoma and multiple mucosal neuromas. Case report] Ascarel E, et al. Minerva Med 64:4418-29, 21 Nov 73 (Eng. Abstr.) (Ita) [Case of primary hyperparathyroidism with an atypical course] Iatsenko VN, et al. Klin Med (Mosk) 51:124-5, May 73 (Rus)

DIAGNOSIS

Proceedings: Tumors of the parathyroid glands. Goldman L, et al. Proc Natl Cancer Conf 7:537-42, 1973 Changing patterns in hyperparathyroidism. Friedman EW, et al. Surg Gynecol Obstet 137:941-4, Dec 73 [Recurrent familial hyperthyroidism with pseudomyopathic onset and central neurological involvement] Doury P, et al. Ann Med Interne (Paris) 124:617-23, Aug-Sep 73 (Fre) [Intraoperative elective staining of parathyroid tissue (experimental and clinical study)] Agugiaro S. J Chir (Paris) 106:403-8, Oct 73 (Eng. Abstr.) (Fre) [Hypercalcemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. Med Klin 68:1365-70, 15 Oct 73 (Eng. Abstr.) (Ger)

DRUG THERAPY

[Thyrocalcitonin and its clinical use] Migunova NA, et al. Sov Med 36:34-8, Apr 73 (54 ref.) (Rus)

FAMILIAL & GENETIC

Evolving concepts of the genetics of thyroid disease-a review. Bartuska D. Am J Med Sci 266:249-52, Oct 73 (17 ref.) Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. N Engl J Med 289:472-9, 30 Aug 73 [Recurrent familial hyperthyroidism with pseudomyopathic onset and central neurological involvement] Doury P, et al. Ann Med Interne (Paris) 124:617-23, Aug-Sep 73 (Fre)

PATHOLOGY

Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al. Australas Radiol 17:199-204, Jun 73 Primary or pseudohyperparathyroidism? Herr HW, et al. Urology 2:62-5, Jul 73

SURGERY

The co-existence of parathyroid and thyroid disease. I. Primary hyperparathyroidism and thyroid carcinoma. Hajjar ET, et al. J Med Liban 26:241-5, 1973 Proceedings: Tumors of the parathyroid glands. Goldman L, et al. Proc Natl Cancer Conf 7:537-42, 1973 Primary or pseudohyperparathyroidism? Herr HW, et al. Urology 2:62-5, Jul 73 [Intraoperative elective staining of parathyroid tissue (experimental and clinical study)] Agugiaro S. J Chir (Paris) 106:403-8, Oct 73 (Eng. Abstr.) (Fre)

PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

ANALYSIS

Double-antibody radioimmunoassay for parathyroid hormone. Conaway HH, et al.
J Lab Clin Med 83:129-38, Jan 74
 Proceedings: Tumors of the parathyroid glands.
 Goldman L, et al. *Proc Natl Cancer Conf* 7:537-42, 1973

ANTAGONISTS & INHIBITORS

A hypocalcemic agent containing gastrin from distal portions of the stomach in man and in the rat.
 Allapoulos MA, et al. *Am J Surg* 127:65-70, Jan 74

BIOSYNTHESIS

[Ectopic parathyroid hormone producing malignant pheochromocytoma] Shinbo S, et al.
Jap J Clin Med 31:2781-7, Sep 73 (Jap)

BLOOD

The effect of lowering the serum phosphate on parathyroid hormone secretion and total serum calcium during regular hemodialysis. Hill AV, et al.
Clin Nephrol 1:284-9, Sep-Oct 73
 Serum parathyroid hormone concentrations in vitamin D deficiency rickets of infancy: effects of intravenous calcium and vitamin D. Fischer JA, et al.
Horm Metab Res 5:381-5, Sep 73
 Editorial: Hypercalcaemia, cancer, and prostaglandins.
Lancet 2:1247-8, 1 Dec 73
 Successful treatment of recurrent nephrolithiasis (calcium stones) with cellulose phosphate. Pak CY, et al.
N Engl J Med 290:175-80, 24 Jan 74
 Phytate and rickets. *Nutr Rev* 31:238-9, Aug 73 (8 ref.)
 Hypocalcemia following bilateral nephrectomy. Chelgh JS, et al.
Urology 2:121-4, Aug 73
 Primary or pseudohyperparathyroidism? Herr HW, et al.
Urology 2:62-5, Jul 73
 [Radiological features of abnormal calcium metabolism in dialysis patients (author's transl)] Ritz E, et al.
Fortschr Geb Roentgenstr Nuklearmed 119:194-202, Aug 73 (Eng. Abstr.) (Ger)

METABOLISM

Binding of parathyroid hormone to bovine kidney-cortex plasma membranes. Sutcliffe HS, et al.
Biochem J 134:913-21, Aug 73

PHARMACODYNAMICS

The role of magnesium and substances promoting the transport of electrolytes. Heidland A, et al.
Acta Cardiol (Brux) Suppl 17:52-75, 1973
 Clinical studies and applications of cyclic nucleotides. Murad F.
Adv Cyclic Nucleotide Res 3:355-83, 1973 (98 ref.)
 Calcitonin and the formation of 3',5'-AMP in bone and kidney. Heersche JN, et al.
Endocrinology 91:241-7, Jan 74
 Cyclic 3',5'-adenosine monophosphate in isolated bone cells. II. Responses to adenosine and parathyroid hormone. Peck WA, et al.
Endocrinology 91:148-54, Jan 74
 Micropuncture studies of phosphate transport in the proximal tubule of the dog. The relationship to sodium reabsorption. Wen SF.
J Clin Invest 53:143-53, Jan 74
 Proceedings: Structural requirements for biological activity of parathyroid hormone defined by study of synthetic peptides. Reit B, et al.
J Endocrinol 59:42-3, Nov 73
 [Effect of parathyroid hormone on urinary sodium and potassium excretion in hypothyroid children] Szczepski O, et al.

Endokrynol Pol 24:273-8, Jul-Aug 73 (Eng. Abstr.) (Pol)

[Fluctuations of portal pressure in acute experimental pancreatitis] Klepacki A, et al.
Pol Przegl Chir 45:1311-6, Nov 73 (Eng. Abstr.) (Pol)
 [Peptic ulcer and pancreatitis in primary hyperparathyroidism (review of the literature)] Starostin LN, et al.
Khirurgiya (Mosk) 49:128-33, Aug 73 (102 ref.) (Rus)

PHYSIOLOGY

Letter: Phosphorus depletion and vitamin D metabolism. Sawyer WT.
N Engl J Med 290:345-5, 7 Feb 74
 Cellular aspects of bone remodelling. Bordier PJ.
Triangle 12:85-92, 1973
 Vitamin D metabolism: recent developments. DeLuca HF.
Triangle 12:111-8, 1973
 Hormonal control of bone cell function. Rasmussen H.
Triangle 12:103-9, 1973
 [Movement of teeth and parathyroid hormone] Kamata M.
J Jap Stomatol Soc 40:178, Jun 73 (Jap)

CRETION

Pheochromocytoma causing excessive parathyroid hormone production and hypercalcaemia. Kukreja SC, et al.
Ann Intern Med 79:838-40, Dec 73
 Parathyroid function in patients with Paget's disease treated with salmon calcitonin. Burckhardt PM, et al.
Clin Endocrinol (Oxf) 2:15-22, Jan 73
 The effect of lowering the serum phosphate on parathyroid hormone secretion and total serum calcium during regular hemodialysis. Hill AV, et al.
Clin Nephrol 1:284-9, Sep-Oct 73
 [Primary osteoporosis: pathogenesis, diagnosis and treatment] Gasińska T.
Pol Tyg Lek 28:1984-7, 10 Dec 73 (35 ref.) (Pol)

PARATHYROID AND BONE

IV. Bone Metabolism and Related Topics

BONE AND BONES

- A guide to bone scanning. Blumhardt R, et al. *Am Fam Physician* 9:153-7, Jan 74
- Allogenic joint transplantation in the dog. Aho AJ. *Ann Chir Gynaecol Fenn* 62:226-33, 1973
- Evaluation of 187Tm HEDTA as a bone scanning agent in humans and its comparison with 18F. Chandra R, et al. *Br J Radiol* 47:51-3, Jan 74
- Computerized transverse axial scanning (tomography). 1. Description of system. Hounsfield GN. *Br J Radiol* 46:1018-22, Dec 73
- Muscle fiber type, rigor development and bone strength in double muscled cattle. Hendricks HB, et al. *J Anim Sci* 37:1305-11, Dec 73
- Beam diameter and scan velocity effects on linear bone mass measurement by photon attenuation. Watt DE. *Phys Med Biol* 18:873-85, Sep 73
- Clinical evaluation of 99mTc-labeled sodium tripolyphosphate as a bone imaging agent. Nakamura M, et al. *Tohoku J Exp Med* 110:289-96, Jul 73
- [Lathe for preparing bone slices and microsections] Dzhuvallakov GP. *Sud Med Ekspert* 18:46-7, Apr-Jun 73 (Rus)

ABNORMALITIES

- Mannosidosis: clinical, fine-structural and biochemical findings in three cases. Autio S, et al. *Acta Paediatr Scand* 62:555-65, Nov 73
- Strain-dependent teratogenic effects of 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide cross-linked strains of mice. Diwan BA. *Cancer Res* 34:151-7, Jan 74
- The upper limb-cardiovascular syndrome (Holt-Oram syndrome). A survey and a report of four cases. Sanz G, et al. *Clin Pediatr (Phila)* 12:687-91 passim, Dec 73
- Determination of bone age and recording of minor skeletal hand anomalies in normal children. Mathiasen MS. *Dan Med Bull* 20:80-5, Jun 73
- Pathogenesis of extremity deformity in leprosy. A pathologic study on large sections of amputated extremities in relation to radiological appearance. Skinsnes OK, et al. *Int J Lepr* 40:375-88, Oct-Dec 72
- Orthopaedic considerations of Silver's syndrome. Specht EE, et al. *J Bone Joint Surg [Am]* 55:1502-10, Oct 73
- A sex-linked defect in the cross-linking of collagen and elastin associated with the mottled locus in mice. Rowe DW, et al. *J Exp Med* 139:180-92, 1 Jan 74
- Sirenomelia. Grillo D, et al. *NY State J Med* 73:2783-6, 1 Dec 73
- The evaluation of imperforate anus utilizing percutaneous injection of water-soluble iodide contrast material. Wagner ML, et al. *Pediatr Radiol* 1:34-40, Mar 73
- Skeletal deviations in rats: malformations or variations? Kimmel CA, et al. *Teratology* 8:309-15, Dec 73
- [Symptoms of genetic significance in orthopedics] Kalmár L, et al. *Beitr Orthop Traumatol* 20:502-4, Sep 73 (Ger)
- [Congenital skeletal abnormalities in a litter of German shepherd pups—a breeding experiment] Reetz I, et al. *Dtsch Tierärztl Wochenschr* 80:524-8, 15 Nov 73 (Eng. Abstr.) (Ger)
- [The XXXXY syndrome. Report of 7 new cases and review of the literature (author's transl)] Terheggen HG, et al. *Z Kinderheilkd* 115:209-33, 1 Oct 73 (105 ref.) (Eng. Abstr.) (Ger)

ANALYSIS

- A lipid metabolic disease—"membranous lipodystrophy"—an autopsy case demonstrating numerous peculiar membrane-structures composed of compound lipid in bone and bone marrow and various adipose tissues. Nasu T, et al. *Acta Pathol Jap* 23:539-58, Aug 73

- A guide to bone scanning. Blumhardt R, et al. *Am Fam Physician* 9:153-7, Jan 74
- The mineral content and mineral density of bone of the forearms in healthy persons measured by Am-241 gamma ray attenuation method. Alhava EM, et al. *Ann Clin Res* 5:238-43, Aug 73
- Mineral content and density of the forearm bones measured by Am-241 gamma ray attenuation method in 80 patients with osteoporotic hip fractures. Alhava EM, et al. *Ann Clin Res* 5:244-7, Aug 73
- A method for determination of the mineral content and mineral density of the distal radius using gamma ray attenuation. Karjalainen P. *Ann Clin Res* 5:231-7, Aug 73
- Bone sodium exchange. Effect of rachitism and vitamin D3 treatment on chicks. Cañas FM. *Calcif Tissue Res* 13:93-7, 1973
- Phosphatase activity in epiphyseal cartilage of the chicken (*Gallus gallus*). Havivi E, et al. *Comp Biochem Physiol [B]* 46:709-16, Dec 73
- Determination of CO2 in biological materials. Larsen LA, et al. *J Appl Physiol* 35:782-5, Nov 73
- Bone mineral in the radius and vertebral osteoporosis in an insured population. A correlative study using 125-I photon absorption and miniature roentgenography. Goldsmith NF, et al. *J Bone Joint Surg [Am]* 55:1276-93, Sep 73
- Bone crystal maturation in renal osteodystrophy in humans. Burnell JM, et al. *J Clin Invest* 53:52-8, Jan 74
- Effect of maternal fluoride intake on preweaning bone fluoride concentrations in mice. Messer HH, et al. *J Dent Res* 53:145, Jan-Feb 74
- Structure and function of bone collagen fibrils. Katz EP, et al. *J Mol Biol* 80:1-15, 15 Oct 73
- Cadmium and lead in autopsy tissues. Hammer DI, et al. *J Occup Med* 15:958-63, Dec 73
- Successful treatment of recurrent nephrolithiasis (calcium stones) with cellulose phosphate. Pak CY, et al. *N Engl J Med* 290:175-80, 24 Jan 74
- Bone morphogenesis in implants of insoluble bone gelatin. Urist MR, et al. *Proc Natl Acad Sci USA* 70:3511-5, Dec 73
- The degree of mineralization in bone tissue. The phosphorus-hydroxyproline ratio determined on small amounts of bone tissue. Tougaard L. *Scand J Clin Lab Invest* 32:351-5, Dec 73
- [Radiological demonstration of renal osteopathy during chronic dialysis (author's transl)] Banzer D, et al. *Dtsch Med Wochenschr* 99:48-51, 11 Jan 74 (Eng. Abstr.) (Ger)
- [Effect of cadmium ingestion on calcium and phosphorus concentrations in the bone and serum of pregnant rats (author's transl)] Sugawara N, et al. *Jap J Hyg* 28:270-5, Jun 73 (Eng. Abstr.) (Jap)
- [Determination of titanium and thorium in bone tissue] Mal'tseva MM. *Gig Sanit* 38:89-91, Jul 73 (Rus)

ANATOMY & HISTOLOGY

- Reconstruction of body height from the epiphyses of long bones. Gralla G, et al. *Folia Morphol (Warsz)* 32:361-9, Oct 73
- Measurement of bone thickness from radiographs of a metacarpal bone. MacLennan WJ, et al. *Gerontol Clin (Basel)* 15:32-6, 1973
- Congenital club foot. An anatomical study. Walsbrod H. *J Bone Joint Surg [Br]* 55:796-801, Nov 73
- Successful treatment of recurrent nephrolithiasis (calcium stones) with cellulose phosphate. Pak CY, et al. *N Engl J Med* 290:175-80, 24 Jan 74
- Similarity of bones and antlers gnawed by deer to human artefacts. Sutcliffe AJ. *Nature* 246:428-30, 14 Dec 73
- Skeletal deviations in rats: malformations or variations? Kimmel CA, et al. *Teratology* 8:309-15, Dec 73
- The microradiographic assessment of bone structure. Jowsey J. *Triangle* 12:93-101, 1973
- [Quantitative histological data on the aging of human

PARATHYROID AND BONE

bone] Courpron P, et al.
Rev Rhum Mal Osteoartic 40:469-83, Jul-Sep 73 (Eng. Abstr.) (Fre)

[Development of V.N. Shevkunenko's ideas on the individual anatomy of the bone system] (Shevkunenko VN), Prives MG.
Arkhh Anat Gistol Embriol 65:28-33, Sep 73 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

Homozygous sickle cell disease in Jamaica. Ennis JT, et al. Br J Radiol 46:943-50, Nov 73
Haemoglobin SC disease in Jamaica. Serjeant GR, et al. Br J Radiol 46:935-42, Nov 73
Sickle cell beta thalassaemia in Jamaica. Serjeant GR, et al. Br J Radiol 46:951-9, Nov 73
Multiple osteochondroses of the feet in a West Indian family. Brown ID, et al.
J Bone Joint Surg [Am] 55:864-70, Nov 73
Skeletal scintigraphy. I. Treves S, et al.
Postgrad Med 54:104-9, Dec 73
Proceedings: Malignant transformation of benign bone lesions. Dorfman HD.
Proc Natl Cancer Conf 7:901-13, 1973

CYTOLOGY

The bone cell system: form and function. Remagen W. Beltr Pathol 150:1-10, Oct 73 (8 ref.)
Cyclic 3',5'-adenosine monophosphate in isolated bone cells. II. Responses to adenosine and parathyroid hormone. Peck WA, et al.
Endocrinology 91:148-54, Jan 74
Cellular aspects of bone remodelling. Bordier PJ. Triangle 12:85-92, 1973
[Outline of preliminary instruction in the osteology of endosseous implant prosthesis] Treves C, et al.
Dent Cadmos 41:1023-36 contd, Jul 73 (Ita)
[Development of V.N. Shevkunenko's ideas on the individual anatomy of the bone system] (Shevkunenko VN), Prives MG.
Arkhh Anat Gistol Embriol 65:28-33, Sep 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Coburn JW, et al.
Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)
The hypothalamic-pituitary control of ageing and age-related pathology. Everitt AV.
Exp Gerontol 8:265-77, Oct 73 (104 ref.)
Lag period of action of 25-hydroxycholecalciferol on bone collagen metabolism in vitamin D deficient rats. Morava E, et al. Experientia 29:1225-6, 15 Oct 73
Changes in nonosseous tissue adjacent to titanium implants. Meacham G, et al.
J Biomed Mater Res 7:555-72, Nov 73
Degradation rates of polymers and copolymers of polylactic and polyglycolic acids. Cutright DE, et al.
Oral Surg 37:142-52, Jan 74
The effect of bedrest on adrenal function. Leach CS, et al. Space Life Sci 4:415-23, Sep-Dec 73

EMBRYOLOGY

Dermoid cyst of ovary containing fetus-like structure. Azoury RS, et al. Obstet Gynecol 42:887-91, Dec 73

ENZYMOLOGY

Phosphatase activity in epiphyseal cartilage of the chicken (Gallus gallus). Havivi E, et al.
Comp Biochem Physiol [B] 46:709-16, Dec 73
Calcitonin and the formation of 3',5'-AMP in bone and kidney. Heersche JN, et al.
Endocrinology 91:241-7, Jan 74
Enzyme-histochemical determination of human bone growth activity in postmortem material. Kjaer I, et al.
J Dent Res 52:1293-6, Nov-Dec 73
The isoenzymes of alkaline phosphatase in sera of normal pregnancy at term. Rhone DP, et al.
Obstet Gynecol 43:31-40, Jan 74
[Enzyme diagnosis of acquired kidney diseases] Mampel E, et al.
Z Gesamte Inn Med 28:Suppl:282-5, 15 Sep 73 (Eng. Abstr.) (Ger)
[Primary osteoporosis: pathogenesis, diagnosis and

treatment] Gasińska T.
Pol Tyg Lek 28:1984-7, 10 Dec 73 (35 ref.) (Pol)

GROWTH & DEVELOPMENT

Operative elimination of partial premature epiphyseal closure. An experimental study. Osterman K.
Acta Orthop Scand [Suppl] 3:79, 1972
The use of animal models for comparative studies of lead poisoning. Scharding NN, et al.
Clin Toxicol 6:419-24, 1973

INJURIES

Early recognition of orthopedic problems in childhood. Banta JV. J Sch Health 44:38-40, Jan 74
Cortical bone sequestrum in a ram. Ackerman N, et al. Vet Med Small Anim Clin 69:91-3, Jan 74
[Differential attitude toward a suspected bone or soft tissue lesion] Pettavel J, et al.
Helv Chir Acta 40:577-86, Dec 73 (Fre)
[Combined bone and vessel injuries] Scheuba G, et al. Monatsschr Unfallheilkd 76:381-6, Aug 73 (Eng. Abstr.) (Ger)
[Role of momentary mechanical trauma in the origin of primary osteogenic sarcoma] Blizer VA, et al.
Ortop Travmatol Protez 34:55-9, May 73 (Eng. Abstr.) (Rus)

METABOLISM

Role of strontium (85Sr) scintigraphy in the clinical analysis of bone diseases. Abo AJ, et al.
Ann Chir Gynaecol Fenn 62:146-54, 1973
Uptake of radioactive 85Sr by the spine in patients with untreated and treated hyperthyroidism. Anttonen VM, et al. Ann Clin Res 5:225-30, Aug 73
The bone cell system: form and function. Remagen W. Beltr Pathol 150:1-10, Oct 73 (8 ref.)
Bone mineral metabolism in mice after fracture of tibiae, double labelling with 47Ca and 224Ra. Günzel I, et al. Biophysik 10:267-72, 1973
The inhibition by aspirin and indomethacin of osteolytic tumor deposits and hypercalcaemia in rats with Walker tumour, and its possible application to human breast cancer. Powles TJ, et al.
Br J Cancer 28:316-21, Oct 73
Bone sodium exchange. Effect of rachitism and vitamin D3 treatment on chicks. Cañas FM.
Calcif Tissue Res 13:93-7, 1973
Calcitonin and the formation of 3',5'-AMP in bone and kidney. Heersche JN, et al.
Endocrinology 91:241-7, Jan 74
Cyclic 3',5'-adenosine monophosphate in isolated bone cells. II. Responses to adenosine and parathyroid hormone. Peck WA, et al.
Endocrinology 91:148-54, Jan 74
Studies on the connective tissue of reptiles. I. Age changes in collagen and water contents of bone and hyoid cartilage of male garden lizard. Panigrahy GK, et al. Exp Gerontol 8:251-7, Oct 73
Lag period of action of 25-hydroxycholecalciferol on bone collagen metabolism in vitamin D deficient rats. Morava E, et al. Experientia 29:1225-6, 15 Oct 73
Bone uptake of 99mTc-labeled triphosphosphate and long-chain polyphosphate. Hara T.
Int J Appl Radiat Isot 24:658-9, Nov 73
Fluoride uptake in rats given nonacidulated and acidulated tea. Analse J, et al.
J Dent Res 53:140, Jan-Feb 74
Effect of maternal fluoride intake on preweaning bone fluoride concentrations in mice. Messer HH, et al.
J Dent Res 53:145, Jan-Feb 74
Influence of thiamine on fluoride retention in the rat. Stookey GK. J Dent Res 53:139, Jan-Feb 74
The uptake and release of antibiotics by lyophilized bone. Egyedi P, et al.
J Maxillofac Surg 1:177-82, Sep 73
Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. J Nutr 104:18-27, Jan 74
Mineral composition of the whole body, liver and bone of young horses. Schryver HF, et al.
J Nutr 104:126-32, Jan 74
Metabolism of bone. Frost HM.
N Engl J Med 289:864-5, 18 Oct 73
Affinity of 253Einsteinium for tumour tissue. Hayes RL, et al. Nature [New Biol] 246:23-5, 7 Nov 73
Vitamin B6 deficiency in rats and the metabolism of O-phosphorylethanolamine.
Nutr Rev 31:292-3, Sep 73 (6 ref.)

PARATHYROID AND BONE

- Skeletal scintigraphy. I. Treves S, et al.
Postgrad Med 54:104-9, Dec 73
- Histoquantitation of ground sections of human mandibles. Wower N von.
Scand J Dent Res 81:567-71, 1973
- Vitamin D metabolism: recent developments. DeLuca HF. Triangle 12:111-8, 1973
- The microradiographic assessment of bone structure. Jowsey J. Triangle 12:93-101, 1973
- A multivariate analysis of Ca-DTPA-effectiveness in removing ²⁴¹Am from the rat. Seldel A.
Z Naturforsch [C] 28:316-8, May-Jun 73
- [Calcitonin-physiology and possibilities for therapeutic treatment (author's transl)] Merceron RE.
Munch Med Wochenschr 115:1589-94, 21 Sep 73 (Eng. Abstr.) (Ger)
- [Attempt of an exact analysis of strontium kinetics in hand deviations from the norm in PCP (Progressive Chronic Polyarthritits)] Bergmann H, et al.
Wien Z Inn Med 54:85-92, 1973 (Ger)
- [Bone scintigrams of the aged patients. 2. Accelerated bone metabolism in the affected legs in femoral neck fractures] Chiba K, et al.
Jap J Nucl Med 10:389-95, Aug 73 (Eng. Abstr.) (Jap)
- [The mechanism of bone calcification-around the calcium transport of the hard tissue forming cells (author's transl)] Iwakura M.
Protein Nucleic Acid Enzyme (Tokyo) 18:1012-7, Nov 73 (45 ref.) (Jap)
- [Acid-base equilibrium in the human body. Theoretical and clinico-diagnostic aspects. X. Non respiratory acidosis and alkaloids] Szafran H.
Przegl Lek 30:747-50, 1973 (Pol)
- [Collagen in endocrine diseases with bone involvement] Ganea E.
Stud Cercet Endocrinol 24:473-82, 1973 (Rum)
- [Forms of Mo99 found in the body of animals] Shvydko NS, et al. Gig Sanit 38:51-4, Aug 73 (Eng. Abstr.) (Rus)
- [Change in the calcium content of human bone tissue during exposure to heat] Zluzin IK, et al.
Kosm Biol Med 7:78-83, Jul-Aug 73 (Eng. Abstr.) (Rus)
- [Study of the histological activity of the vitamin D3 conversion product in bone tissue] Apukhovskala LI, et al.
Prikl Blokhim Mikrobiol 8:849-53, Nov-Dec 72 (Eng. Abstr.) (Rus)
- [Formation of dose rate from strontium-90 in a growing organism] Rasin IM, et al.
Radiobiologiya 13:469-71, May-Jun 73 (Eng. Abstr.) (Rus)

MICROBIOLOGY

- [Sterilization of transplantation material] Trzenschik U, et al. Zentralbl Chir 98:1152-9, 10 Aug 73 (Ger)

PATHOLOGY

- Experimental osteoarthritis of the knee in rabbits induced by alteration of the load-bearing. Reimann I.
Acta Orthop Scand 44:496-504, 1973
- A lipid metabolic disease-"membranous lipodystrophy"-an autopsy case demonstrating numerous peculiar membrane-structures composed of compound lipid in bone and bone marrow and various adipose tissues. Nasu T, et al.
Acta Pathol Jap 23:539-58, Aug 73
- Postmenopausal osteoporosis. Gordan GS, et al.
Am Fam Physician 8:74-83, Dec 73
- Proceedings: Bone density in osteoarthritis. Foss MV.
Ann Rheum Dis 32:588-9, Nov 73
- Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al.
Australas Radiol 17:199-204, Jun 73
- Malignant histiocytosis with eosinophilia. Henderson DW, et al. Cancer 32:1421-8, Dec 73
- Lead intoxication in urban dogs. Zook BC.
Clin Toxicol 6:377-88, 1973
- Rickets and osteomalacia-a morphological study. Raina V. Indian J Med Res 61:190-4, Feb 73
- Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
- Changes in nonosseous tissue adjacent to titanium implants. Meacham G, et al.
J Biomed Mater Res 7:555-72, Nov 73
- Transient painful osteoporosis of the lower extremities. Langlois ND, et al.
J Bone Joint Surg [Am] 55:1188-96, Sep 73

- Maffucci's syndrome: functional and neoplastic significance. Case report and review of the literature. Lewis RJ, et al.
J Bone Joint Surg [Am] 55:1465-79, Oct 73 (88 ref.)
- Bone crystal maturation in renal osteodystrophy in humans. Burnell JM, et al. J Clin Invest 53:52-8, Jan 74
- Mitosis in tissue cultures of human giant cell tumors of bone. Trolse GD, et al. Oncology 28:193-203, 1973
- Skeletal findings in homocystinuria: a collaborative study. Schedewie H, et al.
Pediatr Radiol 1:12-23, Mar 73
- The degree of mineralization in bone tissue. The phosphorus-hydroxyproline ratio determined on small amounts of bone tissue. Tougaard L.
Scand J Clin Lab Invest 32:351-5, Dec 73
- Ultrastructural changes of the periodontal fibers and their attachment in rat molar periodontium incident to orthodontic tooth movement. Rygh P.
Scand J Dent Res 81:467-80, 1973
- Histoquantitation of ground sections of human mandibles. Wower N von.
Scand J Dent Res 81:567-71, 1973
- [Letter: Onset stages of renal osteodystrophy. Study by quantitative biopsy in acute renal failure] Zech P, et al. Nouv Presse Med 2:2551, 27 Oct 73 (Fre)
- [Bone cysts (author's transl)] Adler CP.
Beitr Pathol 150:103-31, Nov 73 (Ger)
- [Problems of thallium detection in autopsy material (author's transl)] Pribila O.
Z Rechtsmed 73:171-84, 23 Nov 73 (26 ref.) (Eng. Abstr.) (Ger)
- [Investigations for determination of shot direction in bones with scanning electron microscopy (author's transl)] Speeter D, et al.
Z Rechtsmed 73:137-43, 16 Oct 73 (Eng. Abstr.) (Ger)
- [Bone and cartilage debris in synovial membrane of arthrotic hip joints (author's transl)] Hermanek P, et al.
Zentralbl Allg Pathol 117:257-9, 1973 (Eng. Abstr.) (Ger)
- [Histiocytosis X (eosinophilic granuloma) associated with diabetes insipidus and pulmonary and bone lesions] Kondo A, et al.
Jap J Thorac Dis 11:481-5, Aug 73 (Jap)
- [Clinical aspects and pathohistology of the osteoarticular tuberculosis caused by Mycobacteria of the human, bovine and avian type] Chensklkh EP, et al. Probl Tuberk 51:50-4, 1973 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- The bone cell system: form and function. Remagen W.
Beitr Pathol 150:1-10, Oct 73 (8 ref.)
- [Determination of the local mechanical properties of the long bones using micro-bars] Bourgois R, et al. Acta Orthop Belg [Suppl] 39:Suppl 1:25-32, 1973 (Fre)
- [Vitamin D metabolism and its role in the light of new experimental achievements] Szolc A, et al.
Pediatr Pol 48:1275-9, 1973 (19 ref.) (Pol)

PHYSIOPATHOLOGY

- [Significance of "haunches" in osteology] Seyss R.
Med Welt 24:1711-4, 2 Nov 73 (Ger)
- [Intraosseous pressure in patients with obliterative diseases of the lower limb arteries] Gervaziev VB, et al. Klin Khir 6:73-5, Jun 73 (Rus)

RADIOGRAPHY

- Proceedings: Bone density in osteoarthritis. Foss MV.
Ann Rheum Dis 32:588-9, Nov 73
- X-ray abnormalities in tetra X females. (Report on two cases). Kozlowski K, et al.
Australas Radiol 17:189-95, Jun 73
- Haemoglobin SC disease in Jamaica. Serjeant GR, et al.
Br J Radiol 46:935-42, Nov 73
- Proceedings: Diagnosis and staging of prostatic carcinoma. Prout GR Jr.
Cancer 32:1096-103, Nov 73 (56 ref.)
- Determination of bone age and recording of minor skeletal hand anomalies in normal children. Mathiasen MS. Dan Med Bull 20:80-5, Jun 73
- Pathogenesis of extremity deformity in leprosy. A pathologic study on large sections of amputated extremities in relation to radiological appearance. Skinsnes OK, et al. Int J Lepr 40:375-88, Oct-Dec 72
- Letter: Normal radiographic findings in treated phenylketonuric children. Berry HK.
J Pediatr 83:175-6, Jul 73

PARATHYROID AND BONE

X-ray of the month. Child abuse. Kirchner SG, et al. *J Tenn Med Assoc* 66:1053-4 passim, Nov 73
 Dermoid cyst of ovary containing fetus-like structure. Azoury RS, et al. *Obstet Gynecol* 42:887-91, Dec 73
 Skeletal findings in homocystinuria: a collaborative study. Schedewie H, et al. *Pediatr Radiol* 1:12-23, Mar 73
 Prognostic evaluation of finger joint bony lesions in rheumatoid arthritis. Moberg E, et al. *Scand J Rheumatol* 2:139-41, 1973
 [Clinico-roentgenological aspects of the osseous system in hypercorticism in patients undergoing thyrocalcitonin medication] Vasiukova EA, et al. *Sov Med* 36:35-40, Sep 73 (Eng. Abstr.) (Rus)

SURGERY

A history of The American Association for the Surgery of Trauma. Gaston SR. *Surg Clin North Am* 53:1305-26, Dec 73

TRANSPLANTATION

[Treatment of deformities due to osteogenesis imperfecta by the method of M. V. Volkov] Nefedieva NN. *Ortop Travmatol Protez* 34:5-9, May 73 (Eng. Abstr.) (Rus)

CALCIFICATION, PHYSIOLOGIC

Contrasting effect of hemodialysis and peritoneal dialysis on the inhibition of in vitro calcification by uremic serum. Oreopoulos DG, et al. *Can Med Assoc J* 110:43-7, 5 Jan 74
 Fine structural localization of alkaline phosphatase in the fracture callus of the rat. Göthlin G, et al. *Histochemie* 36:225-36, 1973
 Vitamin D and rickets. Verma IC, et al. *Indian Pediatr* 10:471-82, Aug 73 (58 ref.)
 Characteristics of an induced variant of *Bacterionema matruchotii*. Streckfuss JL, et al. *J Dent Res* 52:1317-22, Nov-Dec 73
 The mineralization pattern of developing fish tooth enameloid using X-ray probe microanalyzer, autoradiography and radioactive tracer (⁴⁵Ca). Inoue Y, et al. *J Nihon Univ Sch Dent* 15:52-7, Jun 73
 Skeletal scintigraphy. I. Treves S, et al. *Postgrad Med* 54:104-9, Dec 73
 Cellular aspects of bone remodelling. Bordier PJ. *Triangle* 12:85-92, 1973
 [The mechanism of bone calcification--around the calcium transport of the hard tissue forming cells (author's transl)] Iwakura M. *Protein Nucleic Acid Enzyme (Tokyo)* 18:1012-7, Nov 73 (45 ref.) (Jap)

DRUG EFFECTS

Osteoid mineralization defect in primary hyperparathyroidism. Bordier PJ, et al. *Clin Endocrinol (Oxf)* 2:377-86, Oct 73
 Phytate inhibition of enamel hardening by mineralizing solutions. Magrill DS. *J Dent Res* 52:1342, Nov-Dec 73
 Possible aetiological factors of calciphylaxis in pigs. Bille N. *Nord Vet Med* 25:377-82, Jul-Aug 73

CALCITONIN

Some histochemical reactions of C cells in the rabbit thyroid gland. Miętkiewski K, et al. *Folia Morphol (Warsz)* 32:245-9, Jul 73
 Calcitonin and iodinated hormones in sheep. Barlet JP, et al. *Horm Metab Res* 5:475-8, Nov 73
 [Thyrocalcitonin and its clinical use] Migunova NA, et al. *Sov Med* 36:34-8, Apr 73 (54 ref.) (Rus)

ADMINISTRATION & DOSAGE

Inhibition of gastrin release and gastric secretion by calcitonin in patients with peptic ulcer. Becker HD, et al. *Am J Surg* 127:71-5, Jan 74
 Renal effects of calcitonin and gelatin infusions in anesthetized rats. Churchill PC, et al. *Proc Soc Exp Biol Med* 144:839-44, Dec 73
 [Results of the prolonged treatment of simple osteoporosis with porcine calcitonin] Kuntz D, et al. *Rev Rhum Mal Osteoartic* 40:565-71, Oct 73 (Eng. Abstr.) (Fre)
 [Short term treatment of Paget's disease with porcine

calcitonin] Renier JC, et al. *Rev Rhum Mal Osteoartic* 40:557-63, Oct 73 (Eng. Abstr.) (Fre)
 [The treatment of hypercalcemia in infancy] Podgorski J, et al. *Minerva Med* 64:4003-4, 27 Oct 73 (Ita)

ADVERSE EFFECTS

[Therapeutic use of calcitonin] Laitinen O. *Duodecim* 89:1401-2, Jul 73 (Fin)

ANALYSIS

Isolation and properties of two calcitonins from chicken ultimobranchial glands. Nieto A, et al. *Biochim Biophys Acta* 322:383-91, 18 Oct 73
 A radioimmunoassay for salmon calcitonin. Deftos LJ, et al. *Endocrinology* 91:155-60, Jan 74
 Some histochemical reactions of C cells in the rabbit thyroid gland. Miętkiewski K, et al. *Folia Morphol (Warsz)* 32:245-9, Jul 73
 C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al. *N Engl J Med* 289:437-41, 30 Aug 73

ANTAGONISTS & INHIBITORS

Calcitonin and the formation of 3',5'-AMP in bone and kidney. Heersche JN, et al. *Endocrinology* 91:241-7, Jan 74
 [Thyrocalcitonin and its clinical use] Migunova NA, et al. *Sov Med* 36:34-8, Apr 73 (54 ref.) (Rus)

BIOSYNTHESIS

C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al. *N Engl J Med* 289:437-41, 30 Aug 73
 Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35-1973. *N Engl J Med* 289:472-9, 30 Aug 73
 [Elements of the enterochromaffin cell system and the C cells in the thymus (author's transl)] Vialli M. *Ann Histochim* 18:3-7, Jan-Mar 73 (Eng. Abstr.) (Ita)

BLOOD

A radioimmunoassay for salmon calcitonin. Deftos LJ, et al. *Endocrinology* 91:155-60, Jan 74
 Radioimmunoassay for calcitonin in medullary thyroid carcinoma. Deftos LJ. *JAMA* 227:403-6, 28 Jan 74
 C-cell hyperplasia preceding medullary thyroid carcinoma. Wolfe HJ, et al. *N Engl J Med* 289:437-41, 30 Aug 73
 [Radiological features of abnormal calcium metabolism in dialysis patients (author's transl)] Ritz E, et al. *Fortschr Geb Roentgenstr Nuklearmed* 119:194-202, Aug 73 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

Isolation and properties of two calcitonins from chicken ultimobranchial glands. Nieto A, et al. *Biochim Biophys Acta* 322:383-91, 18 Oct 73
 The use of silica gel for human calcitonin isolation in some thyroid diseases. Lorenc RS, et al. *Endocrinol Exp (Bratisl)* 7:267-73, 1973
 Changes due to age in the hypocalcemic and hypophosphatemic effects of salmon calcitonin in growing rats. Roycroft J, et al. *Proc Soc Exp Biol Med* 144:17-21, 1 Oct 73

METABOLISM

The use of silica gel for human calcitonin isolation in some thyroid diseases. Lorenc RS, et al. *Endocrinol Exp (Bratisl)* 7:267-73, 1973
 Hormonal control of bone cell function. Rasmussen H. *Triangle* 12:103-9, 1973
 [Calcitonin--physiology and possibilities for therapeutic treatment (author's transl)] Merceron RE. *Munch Med Wochenschr* 115:1589-94, 21 Sep 73 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

The role of magnesium and substances promoting the transport of electrolytes. Heidland A, et al. *Acta Cardiol (Brux) Suppl* 17:52-75, 1973

PARATHYROID AND BONE

Clinical studies and applications of cyclic nucleotides. Murad F.

Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
Inhibition by thyrocalcitonin of estrogen-induced bone resorption in the mouse pubic symphysis. Stelnetz BG, et al. Am J Pathol 73:735-46, Dec 73

A hypocalcemic agent containing gastrin from distal portions of the stomach in man and in the rat. Aliapoulos MA, et al. Am J Surg 127:65-70, Jan 74
Inhibition of gastrin release and gastric secretion by calcitonin in patients with peptic ulcer. Becker HD, et al. Am J Surg 127:71-5, Jan 74

Isolation and properties of two calcitonins from chicken ultimobranchial glands. Nieto A, et al. Biochim Biophys Acta 322:383-91, 18 Oct 73

Calcitonin and the formation of 3',5'-AMP in bone and kidney. Heersche JN, et al.

Endocrinology 91:241-7, Jan 74

Calcitonin and iodinated hormones in sheep. Barlet JP, et al. Horm Metab Res 5:475-6, Nov 73

Fetal plasma calcium levels after maternal thyroparathyroidectomy and administration of thyrocalcitonin and parathyroid extract in rats. Baksl SN. Indian J Med Res 61:1082-6, Jul 73

Proceedings: The effect of calcitonin on intestinal calcium absorption in the pig. Swaminathan R, et al. J Endocrinol 59:xx-xxi, Nov 73

Renal effects of calcitonin and gelatin infusions in anesthetized rats. Churchill PC, et al.

Proc Soc Exp Biol Med 144:839-44, Dec 73

Changes due to age in the hypocalcemic and hypophosphatemic effects of salmon calcitonin in growing rats. Roycroft J, et al.

Proc Soc Exp Biol Med 144:17-21, 1 Oct 73

[Thyrocalcitonin and its clinical use] Migunova NA, et al. Sov Med 36:34-8, Apr 73 (54 ref.) (Rus)

PHYSIOLOGY

[Morphology and function of calcitonin cells (C-cells) in the rat. Biological effect of raw thyroid extracts depending on nutrition] Bläher S.

Endokrinologie 61:179-94, May 73 (Eng. Abstr.) (Ger)

[Calcitonin-physiology and possibilities for therapeutic treatment (author's transl)] Merceron RE.

Munch Med Wochenschr 115:1589-94, 21 Sep 73 (Eng. Abstr.) (Ger)

SECRETION

Editorial: Radiological aspects of familial medullary carcinoma of the thyroid. Br Med J 4:569-70, 8 Dec 73
The relationship between food, gastro-intestinal hormones and calcitonin secretion. Swaminathan R, et al. J Endocrinol 59:217-30, Nov 73

Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. Proc Natl Cancer Conf 7:163-77, 1973

[Calcitonin-physiology and possibilities for therapeutic treatment (author's transl)] Merceron RE.

Munch Med Wochenschr 115:1589-94, 21 Sep 73 (Eng. Abstr.) (Ger)

[Primary osteoporosis: pathogenesis, diagnosis and treatment] Gaslińska T.

Poi Tyg Lek 28:1984-7, 10 Dec 73 (35 ref.) (Pol)

THERAPEUTIC USE

Radiological evidence of a dose-related response to long-term treatment of Paget's disease with human calcitonin. Doyle FH, et al. Br J Radiol 47:1-8, Jan 74

Healing of the bones in juvenile Paget's disease treated by human calcitonin. Doyle FH, et al.

Br J Radiol 47:9-15, Jan 74

Parathyroid function in patients with Paget's disease treated with salmon calcitonin. Burckhardt PM, et al. Clin Endocrinol (Oxf) 2:15-22, Jan 73

Effects of synthetic salmon calcitonin in osteogenesis imperfecta. Castells S, et al.

Curr Ther Res 16:1-14, Jan 74

[Therapeutic use of calcitonin] Laitinen O.

Duodecim 89:1401-2, Jul 73 (Fin)

[Diagnosis and treatment of hypercalcemia] Verhanck M, et al. Brux Med 53:649-68, Nov 73 (Fre)

[Paget's disease. Acute attacks treated with calcitonin. Thermographic study] Camus JP, et al.

Nouv Presse Med 2:2517-9, 27 Oct 73 (Eng. Abstr.) (Fre)

[Results of the prolonged treatment of simple

osteoporosis with porcine calcitonin] Kuntz D, et al. Rev Rhum Mal Osteoartic 40:565-71, Oct 73 (Eng. Abstr.) (Fre)

[Short term treatment of Paget's disease with porcine calcitonin] Renier JC, et al.

Rev Rhum Mal Osteoartic 40:557-63, Oct 73 (Eng. Abstr.) (Fre)

[Calcitonin-physiology and possibilities for therapeutic treatment (author's transl)] Merceron RE.

Munch Med Wochenschr 115:1589-94, 21 Sep 73 (Eng. Abstr.) (Ger)

[Calcitonin and treatment of osteoporosis with reference to the therapeutic possibilities in senile osteoporosis. I] Klatt R, et al.

Z Alternsforsch 27:283-8, 1973 (Ger)

[Thyrocalcitonin and its clinical use] Migunova NA, et al. Sov Med 36:34-8, Apr 73 (54 ref.) (Rus)

[Clinico-roentgenological aspects of the osseous system in hypercorticism in patients undergoing thyrocalcitonin medication] Vasiukova EA, et al.

Sov Med 36:35-40, Sep 73 (Eng. Abstr.) (Rus)

[Use of new agents of pathogenetic therapy of periodontal disease] Nikitina TV.

Stomatologiya (Mosk) 52:21-4, Nov-Dec 73 (Eng. Abstr.) (Rus)

CALCIUM

METABOLISM

The influence of glycerol on calcium in the isolated perfused rat heart. Frank HL, et al.

Acta Cardiol (Brux) Suppl 17:222-4, 1973

Antikaleuretic action of amiloride. Sanna GP.

Acta Cardiol (Brux) Suppl 17:301-6, 1973

The effect of a beta adrenergic blocking agent, propranolol, on the development of experimental fat necrosis in the rat. Theve NO, et al.

Acta Chir Scand 139:647-9, 1973

Familial oxalosis. Report of three cases and review of the literature. Takahashi A, et al.

Acta Pathol Jap 23:559-75, Aug 73

Effect of chronic treatment with ACTH on 11 beta-hydroxylation in rat adrenal mitochondria. De Nicola AF. Acta Physiol Lat Am 23:178-82, 1973

Electric response of crani muscle fibers dependent on Ca²⁺ and metabolism. Epstein R, et al.

Acta Physiol Lat Am 23:183-92, 1973

Studies on the mechanism of learning. II. On the ionic nature of the dendritic action potentials and mescaline spikes. Garcia Ramos J, et al.

Acta Physiol Lat Am 23:202-12, 1973

Post-tetanic fibrillary potentials in rat skeletal muscle. Site of origin. Lladós F, et al.

Acta Physiol Lat Am 23:213-20, 1973

Clinical studies and applications of cyclic nucleotides. Murad F.

Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)

Magnesium interrelationships in ischemic heart disease: a review. Seelig MS, et al.

Am J Clin Nutr 27:59-79, Jan 74 (228 ref.)

The intracellular localization of calcium within the mature human placental barrier. Croley TE.

Am J Obstet Gynecol 117:926-32, 1 Dec 73

Calcium transport across avian uterus. I. Effects of electrolyte substitution. Pearson TW, et al.

Am J Physiol 225:1508-12, Dec 73

Potassium contracture and utilization of high-energy phosphates in rabbit heart. Rich TL, et al.

Am J Physiol 226:105-13, Jan 74

Response of mitochondrial enzymes to decreased muscular activity. Rifenberck DH, et al.

Am J Physiol 225:1295-9, Dec 73

Malignant hyperthermia of anesthesia. Wolfe BM, et al.

Am J Surg 126:717-21, Dec 73 (29 ref.)

Uptake of radioactive 85Sr by the spine in patients with untreated and treated hyperthyroidism. Anttonen VM, et al. Ann Clin Res 5:225-30, Aug 73

Effect of prostaglandin F₂ alpha (PGF₂ alpha) on arterial and venous contractility and 45Ca uptake. Greenberg S, et al.

Arch Int Pharmacodyn Ther 205:381-98, Oct 73

Interaction of prostaglandin A₂ with vascular smooth muscle tone and contractility. Greenberg S, et al.

Arch Int Pharmacodyn Ther 205:399-414, Oct 73

Nutritional care of the stroke patient. Mahoney EH.

Arch Phys Med Rehabil 54:569-70, Dec 73

The bone cell system: form and function. Remagen W.

Beltr Pathol 150:1-10, Oct 73 (8 ref.)

PARATHYROID AND BONE

- Restoration of some energy linked processes lost during the ageing of rat liver mitochondria. Sliprandl D, et al.
- Biochem Biophys Res Commun 55:563-7, 10 Dec 73
- Effect of ryanodine on the skeletal muscle reticulum calcium adenosine triphosphatase (CaATPase). Fairbairn AS.
- Biochem Pharmacol 22:2815-27, 15 Nov 73
- 24,25-Dihydroxyvitamin D₃. Synthesis and biological activity. Lam HY, et al.
- Biochemistry 12:4851-5, 20 Nov 73
- The erythrocyte membrane. Variability and membrane enzyme activity. Hanahan DJ.
- Biochim Biophys Acta 300:319-40, 28 Nov 73 (33 ref.)
- Effect of taurine on a muscle intracellular membrane. Huxtable R, et al.
- Biochim Biophys Acta 323:573-83, 16 Nov 73
- Interaction of Ca²⁺ and Mg²⁺ with synaptic plasma membranes. Madeira VM, et al.
- Biochim Biophys Acta 323:396-407, 25 Oct 73
- Calcium binding by a plasma membrane fraction isolated from rat submandibular glands. Nijjar MS, et al.
- Biochim Biophys Acta 323:391-5, 25 Oct 73
- Effects of ruthenium red on Ca²⁺ uptake and ATPase of sarcoplasmic reticulum of rabbit skeletal muscle. Vale MG, et al.
- Biochim Biophys Acta 325:29-37, 19 Oct 73
- The transport of calcium by mitochondria. Problems and perspectives. Carafoli E. Biochimie 55:755-62, 1973
- Letter: The role of magnesium and calcium in the pharmacology of lithium. Birch NJ.
- Biol Psychiatry 7:269-72, Dec 73
- Bone mineral metabolism in mice after fracture of tibiae, double labelling with ⁴⁵Ca and ²²⁴Ra. Günzel I, et al.
- Biophysik 10:267-72, 1973
- The role of red cell energy metabolism in the generation of irreversibly sickled cells in vitro. Jensen M, et al.
- Blood 42:835-42, Dec 73
- Fluid and electrolyte balance: assessment of the patient. Dougan LR, et al.
- Br J Anaesth 45:945-52, Sep 73 (18 ref.)
- Fluid balance in paediatric surgery. Young DG.
- Br J Anaesth 45:953-7, Sep 73 (19 ref.)
- The inhibition by aspirin and indomethacin of osteolytic tumor deposits and hypercalcaemia in rats with Walker tumour, and its possible application to human breast cancer. Powles TJ, et al.
- Br J Cancer 28:316-21, Oct 73
- Effect of anti-inflammatory drugs on the binding of calcium to cellular membranes in various human and guinea-pig tissues. Northover BJ.
- Br J Pharmacol 48:496-504, Jul 73
- Changes in skeletal mineral in patients on prolonged maintenance dialysis. Atkinson PJ, et al.
- Br Med J 4:519-22, 1 Dec 73
- The efflux of ⁴⁵Ca²⁺ and (3H)gamma-aminobutyric acid from cate cerebral cortex. Kaczmarek LK, et al.
- Brain Res 63:331-42, 7 Dec 73
- The physiology of telcholic acid deficient ataphylococci. Ou LT, et al.
- Can J Microbiol 19:1393-9, Nov 73
- Pharmacological effects of doxycycline on the mammalian intestine and cardiovascular system. Gault N, et al.
- Chemotherapy 19:65-74, 1973
- Reactivity of vascular smooth muscle in hypertensive rats. Holloway ET, et al.
- Circ Res 33:678-85, Dec 73
- Hemodynamic and biochemical effects of a new positive inotropic agent. Antibiotic ionophore RO 2-2985. Schwartz A, et al.
- Circ Res 40:102-11, Jan 74
- Myocardial mechanical responses and ionic exchange in high-sodium perfusate. Tillisch JH, et al.
- Circ Res 40:40-50, Jan 74
- Osteoid mineralization defect in primary hyperparathyroidism. Bordier PJ, et al.
- Clin Endocrinol (Oxf) 2:377-86, Oct 73
- Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Coburn JW, et al.
- Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)
- The effect of ethinyloestradiol on calcium and phosphorus metabolism of post-menopausal women with primary hyperparathyroidism. Gallagher JC, et al.
- Clin Sci Mol Med 45:785-802, Dec 73
- Renal handling of calcium, magnesium, inorganic phosphate and hydrogen ions during prolonged exposure to elevated carbon dioxide concentrations. Gray SP, et al.
- Clin Sci Mol Med 45:751-64, Dec 73
- The effects of hibernation on the chemical composition of cerebrospinal and intracellular fluids, blood plasma and brain tissue of the woodchuck (Marmota monax). Bito LZ, et al.
- Comp Biochem Physiol [A] 47:183-93, Jan 74
- Seasonal variations and the effects of nesting and moulting on liver mineral content in the mouse sparrow (Passer domesticus L.). Haarakangas H, et al.
- Comp Biochem Physiol [A] 47:153-63, Jan 74
- Parvalbumin V of the cyprinidae Chondrostoma nasus L. white muscles-purification and characterization. Piront A, et al.
- Comp Biochem Physiol [B] 46:349-59, 15 Oct 73
- The catecholamines: reappraisal of their use for acute myocardial infarction and the low cardiac output syndromes. Kones RJ.
- Crit Care Med 1:203-20, Jul-Aug 73 (173 ref.)
- Effects of synthetic salmon calcitonin in osteogenesis imperfecta. Castells S, et al.
- Curr Ther Res 16:1-14, Jan 74
- The method of intraluminal perfusion of the human small intestine. II. Absorption studies in health. Modigliani R, et al.
- Digestion 9:264-90, Oct 73 (100 ref.)
- Neuroendocrine control of calcium levels in the blood of *Ariophanta semirugata* a terrestrial pulmonate snail. Subramanyam OV.
- Endocrinol Exp (Bratisl) 7:315-7, 1973
- Effect of tetragastrin on calcium absorption from rat duodenal loop in vivo. Fujita T.
- Endocrinol Jap 20:407-10, Aug 73
- Unsaturated fatty acids as reactivators of the calcium-dependent ATPase of delipidated sarcoplasmic membranes. The R, et al.
- Eur J Biochem 39:63-8, 1 Nov 73
- Effect of taurine on calcium kinetics of guinea-pig heart. Dolara P, et al.
- Eur J Pharmacol 24:352-8, Dec 73
- Possible functional states of the enzyme of the sarcoplasmic calcium pump. Makinose M.
- FEBS Lett 37:140-3, 1 Dec 73
- Sarcoplasmic reticulum from pregnant bovine uterus; calcium binding. Carsten ME.
- Gynecol Invest 4:84-94, 1973
- Sarcoplasmic reticulum from pregnant bovine uterus; prostaglandins and calcium. Carsten ME.
- Gynecol Invest 4:95-105, 1973
- The effects of lanthanum (La³⁺) on the metabolism of calcium in tumors. Angbiller J.
- Int J Clin Pharmacol 8:146-53, Oct 73
- Kinetic analysis of calcium transport across the placenta. Ramberg CF Jr, et al.
- J Appl Physiol 35:682-8, Nov 73
- Similarity of the active site of phosphorylation of the adenosine triphosphatase from transport of sodium and potassium ions in kidney to that for transport of calcium ions in the sarcoplasmic reticulum of muscle. Bastide F, et al.
- J Biol Chem 248:8385-91, 25 Dec 73
- Developmental changes in the composition and function of sarcoplasmic reticulum. Boland R, et al.
- J Biol Chem 249:612-23, 25 Jan 74
- Isolation and characterization of a lysocleithin-adenosine triphosphatase complex from lobster muscle microsomes. Deamer DW.
- J Biol Chem 248:5477-85, 10 Aug 73
- Porcine intestinal calcium-binding protein. Molecular properties and the effect of binding calcium ions. Dorrington KJ, et al.
- J Biol Chem 249:199-204, 10 Jan 74
- The calcium binding sites involved in the regulation of the purified adenosine triphosphatase of the sarcoplasmic reticulum. Ikemoto N.
- J Biol Chem 249:649-51, 25 Jan 74
- Dissociation and reconstitution of functional sarcoplasmic reticulum vesicles. Meissner G, et al.
- J Biol Chem 249:302-9, 10 Jan 74
- The conversion of prothrombin to thrombin. I. Characterization of the reaction products formed during the activation of bovine prothrombin. Owen WG, et al.
- J Biol Chem 249:594-605, 25 Jan 74
- The ultrastructure of developing sarcoplasmic reticulum. Tillack TW, et al.
- J Biol Chem 249:624-33, 25 Jan 74
- The role of dental plaque in caries and inflammatory periodontal disease. Kleinberg I.
- J Can Dent Assoc 40:56-66, Jan 74 (49 ref.)
- Proceedings: Calcium dependent release of hypophysiotropic substances from nerve-endings (synaptosomes) isolated from the hypothalamus. Bennett GW, et al.
- J Endocrinol 59:xv-xvi, Nov 73
- Proceedings: The effect of calcitonin on intestinal calcium absorption in the pig. Swaminathan R, et al.
- J Endocrinol 59:xx-xxi, Nov 73
- Sensory mechanisms in Paramecium. I. Two components of the electric response to mechanical stimulation of the anterior surface. Eckert R, et al.
- J Exp Biol 56:683-94, Jun 72

PARATHYROID AND BONE

- A regenerative calcium response in *Paramecium*. Nalton Y, et al. *J Exp Biol* 56:667-81, Jun 72
- Calciferol metabolism and intestinal calcium transport in the chick with reduced renal function. Hartenbower DL, et al. *J Lab Clin Med* 83:38-45, Jan 74
- Phosphorylation of cardiac native tropomyosin and troponin: inhibitory effect of actomyosin and possible presence of endogenous myofibrillar-located cyclic-AMP-dependent protein kinase. Reddy YS, et al. *J Mol Cell Cardiol* 5:461-71, Oct 73
- Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. *J Nutr* 104:18-27, Jan 74
- Mineral composition of the whole body, liver and bone of young horses. Schryver HF, et al. *J Nutr* 104:126-32, Jan 74
- Letter: The influence of halothane on calcium uptake by isolated cell membranes. Porcius AJ, et al. *J Pharm Pharmacol* 25:760-1, Sep 73
- Inotropic stimuli and systolic transmembrane calcium flow in depolarized guinea-pig atria. Thyrum PT. *J Pharmacol Exp Ther* 188:166-79, Jan 74
- Does metabolic energy participate directly in the Na⁺-dependent extrusion of Ca²⁺ -Ca²⁺ ions from squid giant axons? Baker PF, et al. *J Physiol (Lond)* 233:44P-46P, Aug 73
- Efflux of potassium from isolated rod outer segments: a photic effect. Cavaggoni A, et al. *J Physiol (Lond)* 232:809-20, Aug 73
- Proceedings: Mast cell secretion (histamine release) induced by 48-80: calcium-dependent exocytosis inhibited strongly by cytochalasin only when glycolysis is rate-limiting. Douglas WW, et al. *J Physiol (Lond)* 234:97P-98P, Oct 73
- Development of a mammalian fast muscle: dynamic and biochemical properties correlated. Drachman DB, et al. *J Physiol (Lond)* 234:29-42, Oct 73
- Proceedings: Ca uptake by ATP-depleted red cells from different species with and without associated increase in K permeability. Jenkins DM, et al. *J Physiol (Lond)* 234:41P-42P, Oct 73
- Excitation-contraction coupling in voltage clamped uterine smooth muscle. Mironneau J. *J Physiol (Lond)* 233:127-41, Aug 73
- Dependence on calcium concentration and stoichiometry of the calcium pump in human red cells. Schatzmann HJ. *J Physiol (Lond)* 235:551-69, Dec 73
- The rôle of zinc in promoting the opalescence and cold-precipitation of boar seminal plasma. Boursnell JC, et al. *J Reprod Fertil* 36:91-9, Jan 74
- Electrochemical interactions at the endothelial surface. Sawyer PN, et al. *J Supramol Struct* 1:417-36, 1973
- An analysis of the possible source of contractile forces in striated muscle. Cooper A. *J Theor Biol* 42:545-62, Dec 73
- Letter: Renal failure in paroxysmal hemoglobinuria. Gelfand JA, et al. *JAMA* 227:440, 28 Jan 74
- Effect of cholinergic drugs on calcium movement in guinea pig taenia coli. Nasu T, et al. *Jap J Pharmacol* 23:553-61, Aug 73
- Enhancement of Ca-contractions by catecholamines and temperature dependency in the depolarized taenia coli of the guinea-pig. Oashi H, et al. *Jap J Pharmacol* 23:467-77, Aug 73
- Treatment of uremic bone disease. Action of 5,6-trans-25-hydroxycholecalciferol (a vitamin D-analog) in chronic renal failure. Herrath D von, et al. *Klin Wochenschr* 51:979-81, 1 Oct 73
- Effect of bran on blood lipids and calcium. Heaton KW, et al. *Lancet* 1:49-50, 12 Jan 74
- Letter: Does calcium influx into ischaemic cells stop A.D.P. phosphorylation? Sbay J. *Lancet* 2:1392, 15 Dec 73
- The rôle of cyclic nucleotides in visual excitation. Bitensky MW, et al. *Life Sci* 13:1451-72, 1 Dec 73 (37 ref.)
- New aspects in the biological rôle of zinc: a stabilizer of macromolecules and biological membranes. Chvapil M. *Life Sci* 13:1041-9, 16 Oct 73 (58 ref.)
- Effect of lanthanum on ⁴⁵Ca flux and secretion of protein from rat exocrine pancreas. Helsler S, et al. *Life Sci* 13:783-94, 1 Oct 73
- A kinetic study of the participation of zinc in human spermatozoa metabolism. Huacuja L, et al. *Life Sci* 13:1383-94, 16 Nov 73
- Vitamin D-induced synthesis of mRNA for calcium-binding protein. Emtage JS, et al. *Nature* 246:100-1, 9 Nov 73
- Intestinal calcium binding protein in the diabetic rat. Schnelder LE, et al. *Nature* 245:327-8, 12 Oct 73
- Structural changes in sarcoplasmic reticulum membrane induced by SH reagents. Dupont Y, et al. *Nature [New Biol]* 246:41-4, 14 Nov 73
- Inconstant association of aequorin luminescence with tension during calcium release in skinned muscle fibres. Endo M, et al. *Nature [New Biol]* 246:218-21, 19 Dec 73
- Is avenacollide another ionophore? Harris EJ, et al. *Nature [New Biol]* 245:271-3, 31 Oct 73
- Release of calcium induced by 'depolarisation' of the sarcoplasmic reticulum membrane. Nakajima Y, et al. *Nature [New Biol]* 246:216-8, 19 Dec 73
- Tetrodotoxin and cobalt blockade of neuroblastoma action potentials. Spector I, et al. *Nature [New Biol]* 246:124-6, 28 Nov 73
- Effect of surface charge on stationary potassium conductance of the Ranvier node membrane. II. Changes in ionic strength of external solution. Mozbaeva GN, et al. *Neurosci Behav Physiol* 6:228-33, Jul-Sep 73
- Phytate and rickets. *Nutr Rev* 31:238-9, Aug 73 (8 ref.)
- Vitamin B6 deficiency in rats and the metabolism of O-phosphorylethanolamine. *Nutr Rev* 31:292-3, Sep 73 (6 ref.)
- Effects of "acute burn serum inhibitor" and "relaxing factors" on papillary muscles contractility. Hakim AA. *Fluegers Arch* 343:235-55, 22 Oct 73
- Potentiation by endotoxin of responses associated with increases in calcium conductance. Connor J, et al. *Proc Natl Acad Sci USA* 70:3301-4, Dec 73
- The mode of action of vitamin K. Isolation of a peptide containing the vitamin K-dependent portion of prothrombin. Nelsestuen GL, et al. *Proc Natl Acad Sci USA* 70:3366-70, Dec 73
- The calcium-independent stimulation of thymic lymphoblast DNA synthesis by low cyclic GMP concentrations. Whitfield JF, et al. *Proc Soc Exp Biol Med* 144:808-12, Dec 73
- Effect of endotoxemia on myocardial cation concentrations. Yunice AA, et al. *Proc Soc Exp Biol Med* 144:273-6, 1 Oct 73
- Ultrastructural visualization of the thrombin-induced platelet release reaction. Droller MJ. *Scand J Haematol* 11:35-49, 1973
- The in vitro effects of miltiracylin on the aggregation and the calcium uptake of human platelets. Chao FC, et al. *Thromb Diath Haemorrh* 29:712-21, 28 Jun 73
- Studies on water and ion transport in homopteran insects: ultrastructure and cytochemistry of the cleadoid and cercopoid midgut. Cheung WW, et al. *Tissue Cell* 5:651-69, 1973
- Toxicological studies of the N-n-propyl and N-n-butyl derivatives of formamide. Pham Huu-Chanh, et al. *Toxicol Appl Pharmacol* 26:596-605, Dec 73
- Cellular aspects of bone remodelling. Bordier PJ. *Triangle* 12:85-92, 1973
- Vitamin D metabolism: recent developments. DeLuca HF. *Triangle* 12:111-8, 1973
- Hormonal control of bone cell function. Rasmussen H. *Triangle* 12:103-9, 1973
- Physiological significance of the vitamin D-dependent calcium-binding protein. Wasserman RH, et al. *Triangle* 12:119-27, 1973
- Effects of ultrasonic irradiation upon *Amoeba proteus*. Holmer NG, et al. *Z Naturforsch [C]* 28:607-9, Sep-Oct 73
- Tryptic fragmentation of the calcium transport system in the sarcoplasmic reticulum. Migala A, et al. *Z Naturforsch [C]* 28:178-82, Mar-Apr 73
- [Are the frequency and contractile force relationships a reflection of intramyo-cardial calcium transfer?] Jouannot P, et al. *Acta Cardiol (Brux) Suppl* 17:114-2, 1973 (Eng. Abstr.) (Fre)
- [Manganese deficiencies in ruminants. 5. Effect of manganese deficiency on the content of major and trace elements in adult male and female goats] Anke M, et al. *Arch Tierernaehr* 23:483-500, Aug 73 (Eng. Abstr.) (Ger)
- [Creatine kinase activity and hypocalcaemia (author's transl)] Hower J, et al. *Dtsch Med Wochenschr* 99:14-5, 4 Jan 74 (Eng. Abstr.) (Ger)
- Amino acids as central nervous transmitters: the influence of ions, amino acid analogues, and ontogeny on transport systems for L-glutamic and L-aspartic acids and glycine into central nervous synaptosomes of the rat. Böhme G, et al. *J Neurochem* 21:1509-16, Dec 73 (Eng. Abstr.) (Ger)

PARATHYROID AND BONE

- [Electrolytes and osmolality of the amniotic fluid: analysis of the fetal factors involved in their regulation] Massobrio M, et al.
Ann Ostet Ginecol Med Perinat 93:531-45, Aug 72 (Eng. Abstr.) (Ita)
- [Mode of crystal growth of calcium oxalate in ille cycle of willow leaf (author's transl)] Umemoto K, et al.
J Pharm Soc Jap 93:1069-83, Aug 73 (Eng. Abstr.) (Jap)
- [The mechanism of bone calcification--around the calcium transport of the hard tissue forming cells (author's transl)] Iwakura M.
Protein Nucleic Acid Enzyme (Tokyo) 18:1012-7, Nov 73 (45 ref.) (Jap)
- [Inotropic action and levels of high-energy phosphates and calcium ions in the myocardium] Robak J.
Folia Med Cracov 15:381-94, 1973 (Pol)
- [Vitamin D metabolism and its role in the light of new experimental achievements] Szolc A, et al.
Pediatr Pol 48:1275-9, 1973 (19 ref.) (Pol)
- [Primary osteoporosis: pathogenesis, diagnosis and treatment] Gaslińska T.
Pol Tyg Lek 28:1984-7, 10 Dec 73 (35 ref.) (Pol)
- [Change in the calcium content of human bone tissue during exposure to heat] Zluzin IK, et al.
Kosm Biol Med 7:78-83, Jul-Aug 73 (Eng. Abstr.) (Rus)
- [Function of the thyroid gland and phosphorus-calcium metabolism in children with acute pneumonia on the rachitic background] Chubataia IG.
Pediatría 52:28-30, Nov 73 (Rus)
- [Content of calcium-binding protein in various organs of chicks and hens depending on their vitamin D allowance] Bauman VK, et al.
Prikl Blokhim Mikrobiol 8:841-8, Nov-Dec 72 (Eng. Abstr.) (Rus)
- [Formation of dose rate from strontium-90 in a growing organism] Rasin IM, et al.
Radiobiologiya 13:469-71, May-Jun 73 (Eng. Abstr.) (Rus)
- [Some characteristics of phosphorus-calcium metabolism and the bone system pathology in chronic uremia] Ermolenko VM, et al.
Ter Arkh 45:70-8, May 73 (Eng. Abstr.) (Rus)
- [Some indices of calcium and magnesium metabolism in hemorrhagic fever accompanied by renal syndrome] Koval'skiĭ GS.
Ter Arkh 44:97-9, Jun 72 (Eng. Abstr.) (Rus)
- [Metabolism of vitamin B6, citric and oxalic acids, calcium and magnesium in nephroillithiasis] Izashvili NP, et al.
Urol Nefrol (Mosk) 38:9-13, May-Jun 73 (Eng. Abstr.) (Rus)
- [Strontium-90 storage and its interaction with the calcium in the organs of freshwater fish] Zaitsev EV.
Veterinaria 7:34-5, Jul 73 (Rus)
- [Effect of novurit on electrolyte metabolism in chronic cardiac insufficiency] Bezborodko RN, et al.
Vrach Delo 8:65-7, Aug 73 (Eng. Abstr.) (Rus)
- [Current problems of the evolutionary biochemistry of muscles] Ivanov II.
Zh Evol Blokhim Fiziol 8:252-9, May-Jun 73 (41 ref.) (Eng. Abstr.) (Rus)
- [pH-Ca2 interaction in the effect of adrenaline on the force developed by the rat atrium] Marro JM, et al.
Acta Physiol Lat Am 23:299-304, Apr 73 (Spa)
- [Calcium metabolism] Colodro I, et al.
Rev Med Chil 101:330-8, Apr 73 (Eng. Abstr.) (Spa)
- [Effect of stimulation and isolation of the splanchnic nerve on the electrolyte composition (Ca, K, Na, Cl) and adenosine triphosphatase activity in the dog stomach mucosa and blood serum] Olinik IF.
Fiziol Zh 19:465-70, Jul-Aug 73 (Eng. Abstr.) (Ukr)
- [Localization and transport of cations in tissues using the pyroantimonate method] Kbmutovs'kii OA, et al.
Ukr Blokhim Zh 45:413-8, Jul-Aug 73 (Eng. Abstr.) (Ukr)
- [Effect of serotonin on Ca2+ transport in mitochondria conjugated with the respiratory chain] Tugai VA, et al.
Ukr Blokhim Zh 45:408-12, Jul-Aug 73 (Eng. Abstr.) (Ukr)

CHOLECALCIFEROL

ADMINISTRATION & DOSAGE

- New developments in pharmacology of vitamin D.
Med Lett Drugs Ther 16:15-6, 1 Feb 74
- Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism

involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al.
N Engl J Med 289:817-22, 18 Oct 73

ANALYSIS

Determination of 25-hydroxycholecalciferol by combined thin layer and gas chromatography. Sklan D, et al. Anal Biochem 56:606-9, Dec 73

BIOSYNTHESIS

The bone cell system: form and function. Remagen W. Beltr Pathol 150:1-10, Oct 73 (8 ref.)

METABOLISM

Changes in skeletal mineral in patients on prolonged maintenance dialysis. Atkinson PJ, et al.
Br Med J 4:519-22, 1 Dec 73

Calciferol metabolism and intestinal calcium transport in the chick with reduced renal function.
Hartenbower DL, et al. J Lab Clin Med 83:38-45, Jan 74

Physiological significance of the vitamin D-dependent calcium-binding protein. Wasserman RH, et al.
Triangle 12:119-27, 1973

[Vitamin D metabolism and its role in the light of new experimental achievements] Szolc A, et al.
Pediatr Pol 48:1275-9, 1973 (19 ref.) (Pol)

[Study of the biological activity of the vitamin D3 conversion product in bone tissue] Apukhovskala LI, et al.
Prikl Blokhim Mikrobiol 8:849-53, Nov-Dec 72 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Coburn JW, et al.
Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)

Lag period of action of 25-hydroxycholecalciferol on bone collagen metabolism in vitamin D deficient rats. Morava E, et al. Experientia 29:1225-6, 15 Oct 73

Vitamin D-induced synthesis of mRNA for calcium-binding protein. Emage JS, et al.
Nature 246:100-1, 9 Nov 73

Studies on the active principle of Solanum malacoxylon. Humpbreys DJ.
Nature [New Biol] 246:155-7, 5 Dec 73

Possible aetiological factors of calcipylaxis in pigs. Bille N. Nord Vet Med 25:377-82, Jul-Aug 73

Effect of vitamin D3 and other factors on phosphate absorption by the chick.
Nutr Rev 31:253-5, Aug 73 (3 ref.)

THERAPEUTIC USE

Bone sodium exchange. Effect of rachitism and vitamin D3 treatment on chicks. Cañas FM.
Calcif Tissue Res 13:93-7, 1973

Serum parathyroid hormone concentrations in vitamin D deficiency rickets of infancy: effects of intravenous calcium and vitamin D. Fischer JA, et al.
Horm Metab Res 5:381-5, Sep 73

New developments in pharmacology of vitamin D.
Med Lett Drugs Ther 16:15-6, 1 Feb 74

Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al.
N Engl J Med 289:817-22, 18 Oct 73

Effect of vitamin D3 and other factors on phosphate absorption by the chick.
Nutr Rev 31:253-5, Aug 73 (3 ref.)

DIHYDROTACHYSTEROL

ADMINISTRATION & DOSAGE

New developments in pharmacology of vitamin D.
Med Lett Drugs Ther 16:15-6, 1 Feb 74

ADVERSE EFFECTS

[Sex differences in diuresis and the origin of nephrocalcinosis after dihydrotachysterol load in rats] Churý Z.
Cesk Pediatr 28:499-503, Sep 73 (Eng. Abstr.) (Cze)

PARATHYROID AND BONE

METABOLISM

Vitamin D metabolism: recent developments. DeLuca HF. *Triangle* 12:111-8, 1973

PHARMACODYNAMICS

[Sex differences in diuresis and the origin of nephrocalcinosis after dihydrotachysterol load in rats] Churý Z. *Cesk Pediatr* 28:499-503, Sep 73 (Eng. Ahstr.) (Cze)

THERAPEUTIC USE

Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Coburn JW, et al. *Clin Nephrol* 1:273-83, Sep-Oct 73 (87 ref.)
New developments in pharmacology of vitamin D. *Med Lett Drugs Ther* 16:15-6, 1 Feb 74

ERGOCALCIFEROL

ADMINISTRATION & DOSAGE

New developments in pharmacology of vitamin D. *Med Lett Drugs Ther* 16:15-6, 1 Feb 74
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. *N Engl J Med* 289:817-22, 18 Oct 73

ANALYSIS

Determination of 25-hydroxycholecalciferol by combined thin layer and gas chromatography. Sklan D, et al. *Anal Biochem* 56:606-9, Dec 73

THERAPEUTIC USE

Myopathy associated with anticonvulsant osteomalacia. Marsden CD, et al. *Br Med J* 4:526-7, 1 Dec 73
Nitrogen balance studies on two different intake of protein in children with vitamin D deficiency rickets. Verma SK, et al. *Indian J Pediatr* 40:269-75, Aug 73
New developments in pharmacology of vitamin D. *Med Lett Drugs Ther* 16:15-6, 1 Feb 74
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. *N Engl J Med* 289:817-22, 18 Oct 73
Effects of large doses of calciferol on patients with rheumatoid arthritis. A double-blind clinical trial. Brohui J, et al. *Scand J Rheumatol* 2:173-6, 1973
[Effect of a vitamin complex on the body of cows and calves] Efanov NA. *Veterinarnia* 49:90-3, Jan 73 (Rus)

HYDROXYCHOLECALCIFEROL

Direct control by calcium of 25-hydroxycholecalciferol-1-hydroxylase activity in chick kidney mitochondria. Suda T, et al. *Biochem Biophys Res Commun* 54:512-8, 18 Sep 73
24,25-Dihydroxyvitamin D3. Synthesis and biological activity. Lam HY, et al. *Biochemistry* 12:4851-5, 20 Nov 73
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. *N Engl J Med* 289:817-22, 18 Oct 73

ADMINISTRATION & DOSAGE

Treatment of uremic bone disease. Action of 5,6-trans-25-hydroxycholecalciferol (a vitamin D-analog) in chronic renal failure. Herrath D von, et al. *Klin Wochenschr* 51:979-81, 1 Oct 73
New developments in pharmacology of vitamin D. *Med Lett Drugs Ther* 16:15-6, 1 Feb 74
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. *N Engl J Med* 289:817-22, 18 Oct 73

ANALYSIS

Determination of 25-hydroxycholecalciferol by

combined thin layer and gas chromatography. Sklan D, et al. *Anal Biochem* 56:606-9, Dec 73
Direct control by calcium of 25-hydroxycholecalciferol-1-hydroxylase activity in chick kidney mitochondria. Suda T, et al. *Biochem Biophys Res Commun* 54:512-8, 18 Sep 73

BIOSYNTHESIS

Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. *N Engl J Med* 289:817-22, 18 Oct 73

BLOOD

Determination of 25-hydroxycholecalciferol by combined thin layer and gas chromatography. Sklan D, et al. *Anal Biochem* 56:606-9, Dec 73
Phytate and rickets. *Nutr Rev* 31:238-9, Aug 73 (8 ref.)

METABOLISM

Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of iatrogenic Cushing's syndrome. Caniggia A, et al. *Helv Med Acta* 37:221-5, Oct 73
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. *N Engl J Med* 289:817-22, 18 Oct 73
[Hypercalcemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. *Med Klin* 68:1365-70, 15 Oct 73 (Eng. Ahstr.) (Ger)
[Vitamin D metabolism and its role in the light of new experimental achievements] Szoic A, et al. *Pediatr Pol* 48:1275-9, 1973 (19 ref.) (Pol)

PHARMACODYNAMICS

Studies on the mode of action of calciferol. VI. Effect of 1,25-dihydroxy-vitamin D3 on RNA synthesis in the intestinal mucosa. Tsai HC, et al. *Biochem Biophys Res Commun* 54:622-7, 18 Sep 73
Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Coburn JW, et al. *Clin Nephrol* 1:273-83, Sep-Oct 73 (87 ref.)
Lag period of action of 25-hydroxycholecalciferol on bone collagen metabolism in vitamin D deficient rats. Morava E, et al. *Experientia* 29:1225-6, 15 Oct 73

THERAPEUTIC USE

Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of iatrogenic Cushing's syndrome. Caniggia A, et al. *Helv Med Acta* 37:221-5, Oct 73
Treatment of uremic bone disease. Action of 5,6-trans-25-hydroxycholecalciferol (a vitamin D-analog) in chronic renal failure. Herrath D von, et al. *Klin Wochenschr* 51:979-81, 1 Oct 73
New developments in pharmacology of vitamin D. *Med Lett Drugs Ther* 16:15-6, 1 Feb 74
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. *N Engl J Med* 289:817-22, 18 Oct 73

HYPERCALCEMIA

[Diagnosis and treatment of hypercalcemia] Verbanck M, et al. *Brux Med* 53:649-68, Nov 73 (Fre)

BLOOD

Urinary excretion of free cortisol in hypercalcaemia. Schonoau Jorgensen F, et al. *Acta Endocrinol (Kbh)* 74:122-6, Sep 73
Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. *J Nutr* 104:18-27, Jan 74

CHEMICALLY INDUCED

Calcium and phosphorus homeostasis in horses. Argenzio RA, et al. *J Nutr* 104:18-27, Jan 74
Letter: Prostaglandins, bone resorption and

PARATHYROID AND BONE

hypercalcaemia. Kuppe G, et al.
N Engl J Med 290:230-1, 24 Jan 74

COMPLICATIONS

Letter: Hypercalcaemia and complete heart block.
Ginsberg H, et al. Ann Intern Med 79:903, Dec 73
Pulmonary calcification in a patient with multiple myeloma. Fayemi AO, et al. Chest 64:765-9, Dec 73
Metastatic glioma associated with hypercalcaemia. Report of two cases. Cooper PR, et al. J Neurosurg 40:255-9, Feb 74
Case report: depression, catatonic stupor, and EEG changes in hyperparathyroidism. Cooper AF, et al. Psychol Med 3:509-15, Nov 73

DIAGNOSIS

Case report: depression, catatonic stupor, and EEG changes in hyperparathyroidism. Cooper AF, et al. Psychol Med 3:509-15, Nov 73
[Stages of D-hypervitaminosis and their biochemical diagnosis] Spirichev VB. Pediatrria 52:30-6, Nov 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Pulmonary calcification in a patient with multiple myeloma. Fayemi AO, et al. Chest 64:765-9, Dec 73
The diagnosis and treatment of hyperparathyroidism after renal homotransplantation. Gels WP, et al. Surg Gynecol Obstet 137:997-1010, Dec 73
[Therapeutic use of calcitonin] Laitinen O. Duodecim 89:1401-2, Jul 73 (Fin)
[Thyrocaltitonin and its clinical use] Mlgunova NA, et al. Sov Med 36:34-8, Apr 73 (54 ref.) (Rus)

ETIOLOGY

Letter: Hypercalcaemia and complete heart block.
Ginsberg H, et al. Ann Intern Med 79:903, Dec 73
Pheochromocytoma causing excessive parathyroid hormone production and hypercalcaemia. Kukreja SC, et al. Ann Intern Med 79:838-40, Dec 73
Proceedings: Non-hormonal cytotoxic agents in the treatment of prostatic adenocarcinoma. Yagoda A. Cancer 32:1131-40, Nov 73 (79 ref.)
Hypercalcaemia in pheochromocytoma. Hajjar ET, et al. J Med Liban 26:269-72, 1973
The co-existence of parathyroid and thyroid disease. II. Primary hyperparathyroidism and thyrotoxicosis. Hajjar ET, et al. J Med Liban 26:247-52, 1973
Editorial: The early diagnosis of primary hyperparathyroidism. Salti IS. J Med Liban 26:209-10, 1973
Leukemoid reaction, thrombocytosis and hypercalcaemia associated with bladder cancer. Block NL, et al. J Urol 110:660-3, Dec 73
Editorial: Hypercalcaemia, cancer, and prostaglandins. Lancet 2:1247-8, 1 Dec 73
Metastases to bone and hypercalcaemia. Sy W. N Engl J Med 289:864, 18 Oct 73
Proceedings: Tumors of the parathyroid glands. Goldman L, et al. Proc Natl Cancer Conf 7:537-42, 1973
Hypocalcaemia following bilateral nephrectomy. Chelgh JS, et al. Urology 2:121-4, Aug 73
Primary or pseudohyperparathyroidism? Herr HW, et al. Urology 2:62-5, Jul 73
[Diagnosis and treatment of hypercalcaemia] Verhanck M, et al. Brux Med 53:649-68, Nov 73 (Fre)
[Hypercalcaemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. Med Klin 68:1365-70, 15 Oct 73 (Eng. Abstr.) (Ger)
[The treatment of hypercalcaemia in infancy] Podgorski J, et al. Minerva Med 64:4003-4, 27 Oct 73 (Ita)
[Hypercalcaemia in acute leukemia (author's transl)] Kawashima K, et al. Jap J Clin Hematol 14:903-7, Aug 73 (Eng. Abstr.) (Jap)
[Calcium-phosphate metabolism disorders in Addison's disease] Gaslinska T, et al. Endokrynol Pol 24:265-72, Jul-Aug 73 (Eng. Abstr.) (Pol)
[Peptic ulcer and pancreatitis in primary hyperparathyroidism (review of the literature)] Starostin LN, et al. Khirurgia (Mosk) 49:128-33, Aug 73 (102 ref.) (Rus)

METABOLISM

Clinical studies and applications of cyclic nucleotides. Murad F. Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
Prostaglandins, bone resorption and hypercalcaemia. Harris M, et al. N Engl J Med 289:865, 18 Oct 73
[Hypercalcaemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. Med Klin 68:1365-70, 15 Oct 73 (Eng. Abstr.) (Ger)
[Gastric secretion in children with rickets (author's transl)] Szafran H, et al. Przegl Lek 30:797-802, 1973 (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

The inhibition by aspirin and indomethacin of osteolytic tumor deposits and hypercalcaemia in rats with Walker tumour, and its possible application to human breast cancer. Powles TJ, et al. Br J Cancer 28:316-21, Oct 73

THERAPY

[Idiopathic infantile hypercalcaemia. Elfin face syndrome. Severe idiopathic hypercalcaemia in childhood. Supraaortic aortic stenosis] Dupont A. Ugeskr Laeger 135:1296, 18 Jun 73 (Dan)
[The treatment of hypercalcaemia in infancy] Podgorski J, et al. Minerva Med 64:4003-4, 27 Oct 73 (Ita)

URINE

Urinary excretion of free cortisol in hypercalcaemia. Schonoau Jorgensen F, et al. Acta Endocrinol (Kbh) 74:122-6, Sep 73

OSTEOGENESIS IMPERFECTA

BLOOD

Effects of synthetic salmon calcitonin in osteogenesis imperfecta. Castells S, et al. Curr Ther Res 16:1-14, Jan 74

COMPLICATIONS

Scoliosis. Kelm HA. Clin Symp 24:2-32, 1972
Proceedings: Malignant transformation of benign bone lesions. Dorfman HD. Proc Natl Cancer Conf 7:901-13, 1973
Osteogenesis imperfecta diagnosed in utero in conjunction with Rh sensitization. Stafford RH, et al. South Med J 67:111-2, Jan 74
[Blue-sclera syndrome associated with diabetes complicated by polyneuropathy] Lehenzstejn W, et al. Neurol Neurochir Pol 7:727-31, Sep-Oct 73 (Pol)
[Association of aortic insufficiency with osteogenesis imperfecta in 2 members of the same family] Pljoan de Berstein C. Rev Esp Cardiol 26:405-10, Sep-Oct 73 (Spa)

CONGENITAL

[Case of congenital osteogenesis imperfecta] Amhrosiani S, et al. Minerva Med 64:3660-6, 6 Oct 73 (Eng. Abstr.) (Ita)

DIAGNOSIS

Osteogenesis imperfecta diagnosed in utero in conjunction with Rh sensitization. Stafford RH, et al. South Med J 67:111-2, Jan 74
[Thanatophorous dwarfism] Lelher B, et al. Monatsschr Kinderheilkd 121:607-9, Sep 73 (Ger)
[Rare form of pathological fragility of the bones] Mezhenina EP, et al. Ortop Travmatol Protez 34:44-8, May 73 (Eng. Abstr.) (Rus)

DRUG THERAPY

Effects of synthetic salmon calcitonin in osteogenesis imperfecta. Castells S, et al. Curr Ther Res 16:1-14, Jan 74

ETIOLOGY

[Rare form of pathological fragility of the bones] Mezhenina EP, et al.

PARATHYROID AND BONE

Ortop Travmatol Protez 34:44-8, May 73 (Eng. Abstr.)
(Rus)

FAMILIAL & GENETIC

Surgical and histological findings of the stapes associated with Van der Hoeve syndrome in a Japanese boy. Morimitsu T, et al. *ORL* 35:342-9, 1973
Osteogenesis imperfecta diagnosed in utero in conjunction with Rh sensitization. Stafford RH, et al. *South Med J* 67:111-2, Jan 74

[Case of congenital osteogenesis imperfecta] Amhrosiani S, et al.
Minerva Med 64:3660-6, 6 Oct 73 (Eng. Abstr.) (Ita)
[Blue-sclera syndrome associated with diabetes complicated by polyneuropathy] Lehensztejn W, et al. *Neurol Neurochir Pol* 7:727-31, Sep-Oct 73 (Pol)
[Clinical genetic parallels in the study of congenital systemic bone diseases] Volkov MV, et al. *Vestn Akad Med Nauk SSSR* 28:68-74, 1973 (Eng. Abstr.) (Rus)
[Association of aortic insufficiency with osteogenesis imperfecta in 2 members of the same family] Pijoan de Beristain C.
Rev Esp Cardiol 28:405-10, Sep-Oct 73 (Spa)

PATHOLOGY

A histological study of dentin formation in osteogenesis imperfecta congenita. Godfrey JL. *J Oral Pathol* 2:95-111, 1973

RADIOGRAPHY

Osteogenesis imperfecta diagnosed in utero in conjunction with Rh sensitization. Stafford RH, et al. *South Med J* 67:111-2, Jan 74
[Case of congenital osteogenesis imperfecta] Amhrosiani S, et al.
Minerva Med 64:3660-6, 6 Oct 73 (Eng. Abstr.) (Ita)
[Rare form of pathological fragility of the bones] Mezhenina EP, et al.
Ortop Travmatol Protez 34:44-8, May 73 (Eng. Abstr.) (Rus)

SURGERY

[Treatment of deformities due to osteogenesis imperfecta by the method of M. V. Volkov] Nefedleva NN.
Ortop Travmatol Protez 34:5-9, May 73 (Eng. Abstr.) (Rus)

OSTEOMALACIA

[Neurolysis of the median nerve in the carpal tunnel in the treatment of Kienhöck's syndrome] Codega G, et al.
Pol Przegl Chir 45:1409-13, Dec 73 (Eng. Abstr.) (Pol)

BLOOD

High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomobility. Latorre H, et al. *Pediatrics* 53:100-5, Jan 74
Calcium ATPase activity in drug-induced osteomalacia. Watson EL, et al.
Res Commun Chem Pathol Pharmacol 6:1079-82, Nov 73
[Changes in urinary phosphates, blood phosphates and urinary calcium in osseous demineralization after oral phosphorus overload] Aznar Reig A, et al.
Rev Clin Esp 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

Studies on the biology of the periodontium of marmosets. XII. The effect of an experimentally produced malabsorption syndrome on the marmoset periodontium. Dreizen S, et al.
J Periodont Res 7:251-4, 1972
Calcium ATPase activity in drug-induced osteomalacia. Watson EL, et al.
Res Commun Chem Pathol Pharmacol 6:1079-82, Nov 73

COMPLICATIONS

Mineral content and density of the forearm bones

measured by Am-241 gamma ray attenuation method in 80 patients with osteoporotic hip fractures. Alhava EM, et al. *Ann Clin Res* 5:244-7, Aug 73
Bone disease in two cases of cystinosis--histomorphometric analysis of the vitamin D effect. Schulz A, et al. *Beltr Pathol* 150:43-54, Oct 73
Myopathy associated with anticonvulsant osteomalacia. Marsden CD, et al. *Br Med J* 4:526-7, 1 Dec 73
[Symmetrical spontaneous fracture of the femur with simultaneous chondrodystrophia foetalis and fluorosis] Alran G, et al.
Beltr Orthop Traumatol 20:452-61, Sep 73 (Ger)

DIAGNOSIS

Problems of interpretation of laboratory findings in the old. Caird FI. *Br Med J* 4:348-51, 10 Nov 73
Serum inorganic phosphate in a geriatric in-patient population. Hodgkinson HM.
Gerontol Clin (Basel) 15:45-9, 1973

DRUG THERAPY

High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomobility. Latorre H, et al. *Pediatrics* 53:100-5, Jan 74

ENZYMOLGY

Urinary hydroxyproline excretion in osteomalacia. Srivastava TP, et al. *Acta Orthop Scand* 44:650-4, 1973
Calcium ATPase activity in drug-induced osteomalacia. Watson EL, et al.
Res Commun Chem Pathol Pharmacol 6:1079-82, Nov 73
[Combined determination of total alkaline phosphatases and 5-nucleotidase in bone pathology] Lejeune E, et al.
Rev Rhum Mal Osteoartic 40:573-80, Oct 73 (Fre)

ETIOLOGY

Phytate and rickets. *Nutr Rev* 31:238-9, Aug 73 (8 ref.)
[Radiological features of abnormal calcium metabolism in dialysis patients (author's trans)] Ritz E, et al. *Fortschr Geb Roentgenstr Nuklearmed* 119:194-202, Aug 73 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Gardner's syndrome. Alm T, et al.
Acta Chir Scand 139:660-5, 1973
[Intracranial calcifications in the course of phacomatoses] Picard L, et al.
J Belge Radiol 56:347-58, Jul-Aug 73 (Eng. Abstr.) (Fre)
[Hereditary adenomatous diseases of the large intestine] Hassan A, et al.
Dtsch Med Wochenschr 98:2150-3, 9 Nov 73 (Ger)
[Gardner's syndrome] Bieuler P, et al.
Helv Chir Acta 40:755-9, Dec 73 (Ger)

METABOLISM

[Changes in urinary phosphates, blood phosphates and urinary calcium in osseous demineralization after oral phosphorus overload] Aznar Reig A, et al.
Rev Clin Esp 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

OCCURRENCE

Skeletal disease in the elderly. Leeming JT.
Br Med J 4:472-4, 24 Nov 73

PATHOLOGY

Rickets and osteomalacia-a morphological study. Raina V. *Indian J Med Res* 61:190-4, Feb 73
Bone crystal maturation in renal osteodystrophy in humans. Burnell JM, et al. *J Clin Invest* 53:52-8, Jan 74
[Drug-induced (methyl 3 chromone) reversible Fanconi Dehre de Toni syndrome in adults] Auquier L, et al. *Nouv Presse Med* 2:2678-81, 10 Nov 73 (Fre)

PREVENTION & CONTROL

Skeletal disease in the elderly. Leeming JT.
Br Med J 4:472-4, 24 Nov 73

PARATHYROID AND BONE

RADIOGRAPHY

Rickets and osteomalacia—a morphological study. Raina V. *Indian J Med Res* 61:190-4, Feb 73

THERAPY

Skeletal disease in the elderly. Leeming JT. *Br Med J* 4:472-4, 24 Nov 73
[Changes in urinary phosphates, blood phosphates and urinary calcium in osseous demineralization after oral phosphorus overload] Aznar Reig A, et al. *Rev Clin Esp* 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

URINE

Urinary hydroxyproline excretion in osteomalacia. Srivastava TP, et al. *Acta Orthop Scand* 44:650-4, 1973
[Changes in urinary phosphates, blood phosphates and urinary calcium in osseous demineralization after oral phosphorus overload] Aznar Reig A, et al. *Rev Clin Esp* 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

OSTEOPETROSIS

BLOOD

[Aminoaciduria and aminoacidemia in a case of marble bone disease] Dobosz-Latalaska C, et al. *Wiad Lek* 26:2019-23, 1 Nov 73 (Eng. Abstr.) (Pol)

COMPLICATIONS

[Aminoaciduria and aminoacidemia in a case of marble bone disease] Dobosz-Latalaska C, et al. *Wiad Lek* 26:2019-23, 1 Nov 73 (Eng. Abstr.) (Pol)

URINE

[Aminoaciduria and aminoacidemia in a case of marble bone disease] Dobosz-Latalaska C, et al. *Wiad Lek* 26:2019-23, 1 Nov 73 (Eng. Abstr.) (Pol)

OSTEOPOROSIS

[Primary osteoporosis: pathogenesis, diagnosis and treatment] Gasińska T. *Pol Tyg Lek* 28:1984-7, 10 Dec 73 (35 ref.) (Pol)

BLOOD

High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomagnesemia. Latorre H, et al. *Pediatrics* 53:100-5, Jan 74
[Changes in urinary phosphates, blood phosphates and urinary calcium in osseous demineralization after oral phosphorus overload] Aznar Reig A, et al. *Rev Clin Esp* 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

Adverse reactions associated with heparin therapy for ischemic heart disease and thrombophlebitis. Mishler JM. *Am J Hosp Pharm* 30:1158-61, Dec 73
[Influence of diphosphonate on experimental heparin-osteopathy] Hähnel H, et al. *Z Alternsforsch* 27:289-92, 1973 (Eng. Abstr.) (Ger)

COMPLICATIONS

Mineral content and density of the forearm bones measured by Am-241 gamma ray attenuation method in 80 patients with osteoporotic hip fractures. Alhava EM, et al. *Ann Clin Res* 5:244-7, Aug 73
Homozygous sickle cell disease in Jamaica. Ennis JT, et al. *Br J Radiol* 46:943-50, Nov 73
Alveolar bone loss in periodontal disease and the metacarpal index. Ward VJ, et al. *J Periodontol* 44:763-9, Dec 73
Vitamin B6 deficiency in rats and the metabolism of O-phosphorylethanolamine. *Nutr Rev* 31:292-3, Sep 73 (6 ref.)
An unusual syndrome of widened medullary cavities of the metacarpals and phalanges, aortic calcification and abnormal dentition. Singleton EB, et al. *Pediatr Radiol* 1:2-7, Mar 73
[Diagnosis and treatment of hypercalcemia] Verhanck M, et al. *Brux Med* 53:649-68, Nov 73 (Fre)
[Osteoporosis and hyperthyroidism]

Kopczyńska-Kowalczykova, et al. *Pol Przegl Radiol* 37:589-95, Sep-Oct 73 (Eng. Abstr.) (Pol)
[Roentgenodiagnosis of podagra] Iartsev SG, et al. *Vestn Rentgenol Radiol* 48:98-9, Jul-Aug 73 (Rus)

DIAGNOSIS

Postmenopausal osteoporosis. Gordan GS, et al. *Am Fam Physician* 8:74-83, Dec 73
Hyperthyroid osteoporosis. A case study in differential diagnosis. Kalish SR, et al. *J Am Podiatry Assoc* 64:35-45, Jan 74
Bone mineral in the radius and vertebral osteoporosis in an insured population. A correlative study using 125-I photon absorption and miniature roentgenography. Goldsmith NF, et al. *J Bone Joint Surg [Am]* 55:1276-93, Sep 73
Transient painful osteoporosis of the lower extremities. Langlois ND, et al. *J Bone Joint Surg [Am]* 55:1188-96, Sep 73
Pseudotumors of the foot. Jahss MH. *Orthop Clin North Am* 5:67-87, Jan 74
Histoquantitation of ground sections of human mandibles. Wöwern N von. *Scand J Dent Res* 81:567-71, 1973
[Primary osteoporosis: pathogenesis, diagnosis and treatment] Gasińska T. *Pol Tyg Lek* 28:1984-7, 10 Dec 73 (35 ref.) (Pol)

DRUG THERAPY

Postmenopausal osteoporosis. Gordan GS, et al. *Am Fam Physician* 8:74-83, Dec 73
Editorial: Estrogens and the menopause. Kase N. *JAMA* 227:318-9, 21 Jan 74
High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomagnesemia. Latorre H, et al. *Pediatrics* 53:100-5, Jan 74
The microradiographic assessment of bone structure. Jowsey J. *Triangle* 12:93-101, 1973
[Therapeutic use of calcitonin] Laitinen O. *Duodecim* 89:1401-2, Jul 73 (Fin)
[Results of the prolonged treatment of simple osteoporosis with porcine calcitonin] Kuntz D, et al. *Rev Rhum Mal Osteoartic* 40:565-71, Oct 73 (Eng. Abstr.) (Fre)
[Calcitonin—physiology and possibilities for therapeutic treatment (author's transl)] Merceron RE. *Munch Med Wochenschr* 115:1589-94, 21 Sep 73 (Eng. Abstr.) (Ger)
[Influence of diphosphonate on experimental heparin-osteopathy] Hähnel H, et al. *Z Alternsforsch* 27:289-92, 1973 (Eng. Abstr.) (Ger)
[Calcitonin and treatment of osteoporosis with reference to the therapeutic possibilities in senile osteoporosis. I] Klatt R, et al. *Z Alternsforsch* 27:283-8, 1973 (Ger)
[Thyrocalcitonin and its clinical use] Migunova NA, et al. *Sov Med* 36:34-8, Apr 73 (54 ref.) (Rus)
[Clinico-roentgenological aspects of the osseous system in hypercorticism in patients undergoing thyrocalcitonin medication] Vaslukova EA, et al. *Sov Med* 36:35-40, Sep 73 (Eng. Abstr.) (Rus)
[Changes in urinary phosphates, blood phosphates and urinary calcium in osseous demineralization after oral phosphorus overload] Aznar Reig A, et al. *Rev Clin Esp* 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

ENZYMOLGY

[Combined determination of total alkaline phosphatases and 5-nucleotidase in bone pathology] Lejeune E, et al. *Rev Rhum Mal Osteoartic* 40:573-80, Oct 73 (Fre)

ETIOLOGY

Densitometry and 18-F scintigraphy in the study of the revascularization of the femoral head in coxa plana (C-P). Bohr H. *Acta Orthop Scand* 44:417-25, 1973
The knee in patients with hip joint ankylosis. Clinical survey and bio-mechanical aspects. Hauge MF. *Acta Orthop Scand* 44:485-95, 1973
Postmenopausal osteoporosis. Gordan GS, et al. *Am Fam Physician* 8:74-83, Dec 73
Hyperthyroid osteoporosis. A case study in differential

PARATHYROID AND BONE

- diagnosis. Kallish SR, et al.
J Am Podiatry Assoc 64:35-45, Jan 74
 Arthropathy secondary to transfusion
 hemochromatosis. Sella EJ, et al.
J Bone Joint Surg [Am] 55:1077-81, Jul 73
 Dietary phosphorus, PTH, and bone resorption.
 McLaughlin JM. *Nutr Rev* 31:295, Sep 73
 Skeletal findings in homocystinuria: a collaborative
 study. Schedewle H, et al.
Pediatr Radiol 1:12-23, Mar 73
 [Osteoporosis and hyperthyroidism]
 Kopczyńska-Kowalczykowska, et al.
Pol Przegl Radiol 37:589-95, Sep-Oct 73 (Eng. Abstr.)
 (Pol)
 [Primary osteoporosis: pathogenesis, diagnosis and
 treatment] Gaslńska T.
Pol Tyg Lek 28:1984-7, 10 Dec 73 (35 ref.) (Pol)
 [Clinico-roentgenological aspects of the osseous
 system in hypercorticism in patients undergoing
 thyrocalcitonin medication] Vaslukova EA, et al.
Sov Med 36:35-40, Sep 73 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

- Navicular disease: podotrochilitis chronica aseptica
 podotrochlosis. Numans SR, et al.
Equine Vet J 5:1-7, Jan 73

METABOLISM

- [Changes in urinary phosphates, blood phosphates and
 urinary calcium in osseous demineralization after oral
 phosphorus overload] Aznar Relg A, et al.
Rev Clin Esp 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

OCCURRENCE

- Skeletal disease in the elderly. Leeming JT.
Br Med J 4:472-4, 24 Nov 73
 Bone mineral in the radius and vertebral osteoporosis
 in an insured population. A correlative study using
 125-I photon absorption and miniature
 roentgenography. Goldsmith NF, et al.
J Bone Joint Surg [Am] 55:1276-93, Sep 73
 Osteoporosis. A six months experience at Saint Mary's
 Hospital, Minneapolis. Wonsavage RL.
Minn Med 56:1027-30, Dec 73
 A one-year survey of a rural orthopaedic clinic in
 Zululand. Toit SN du. *S Afr Med J* 47:2189-90, 17 Nov 73

PATHOLOGY

- Postmenopausal osteoporosis. Gordan GS, et al.
Am Fam Physician 8:74-83, Dec 73
 Navicular disease: podotrochilitis chronica aseptica
 podotrochlosis. Numans SR, et al.
Equine Vet J 5:1-7, Jan 73
 Transient painful osteoporosis of the lower
 extremities. Langlois ND, et al.
J Bone Joint Surg [Am] 55:1188-96, Sep 73
 Histoquantitation of ground sections of human
 mandibles. Wower N von.
Scand J Dent Res 81:567-71, 1973
 The microradiographic assessment of bone structure.
 Jowsey J. *Triangle* 12:93-101, 1973
 [The significance of bone marrow mast cells in
 osteoporosis (author's transl)] Kruse HP, et al.
Dtsch Med Wochenschr 98:2388-91, 14 Dec 73 (Eng.
 Abstr.) (Ger)
 [Degree of mineralization of the microstructures of the
 proximal end of the femur in adults] Pollakov AN, et
 al.
Ortop Travmatol Protez 34:70-4, May 73 (Eng. Abstr.)
 (Rus)

PREVENTION & CONTROL

- Skeletal disease in the elderly. Leeming JT.
Br Med J 4:472-4, 24 Nov 73

RADIOGRAPHY

- Postmenopausal osteoporosis. Gordan GS, et al.
Am Fam Physician 8:74-83, Dec 73
 Navicular disease: podotrochilitis chronica aseptica
 podotrochlosis. Numans SR, et al.
Equine Vet J 5:1-7, Jan 73
 Transient painful osteoporosis of the lower
 extremities. Langlois ND, et al.
J Bone Joint Surg [Am] 55:1188-96, Sep 73

- Osteoporosis. A six months experience at Saint Mary's
 Hospital, Minneapolis. Wonsavage RL.
Minn Med 56:1027-30, Dec 73
 Skeletal findings in homocystinuria: a collaborative
 study. Schedewle H, et al.
Pediatr Radiol 1:12-23, Mar 73
 [Roentgenodiagnosis of podagra] Iartsev SG, et al.
Vestn Rentgenol Radiol 48:98-9, Jul-Aug 73 (Rus)

THERAPY

- Skeletal disease in the elderly. Leeming JT.
Br Med J 4:472-4, 24 Nov 73
 Transient painful osteoporosis of the lower
 extremities. Langlois ND, et al.
J Bone Joint Surg [Am] 55:1188-96, Sep 73
 Osteoporosis. A six months experience at Saint Mary's
 Hospital, Minneapolis. Wonsavage RL.
Minn Med 56:1027-30, Dec 73
 [Primary osteoporosis: pathogenesis, diagnosis and
 treatment] Gaslńska T.
Pol Tyg Lek 28:1984-7, 10 Dec 73 (35 ref.) (Pol)

URINE

- [Changes in urinary phosphates, blood phosphates and
 urinary calcium in osseous demineralization after oral
 phosphorus overload] Aznar Relg A, et al.
Rev Clin Esp 130:403-16, 15 Sep 73 (Eng. Abstr.) (Spa)

VETERINARY

- Navicular disease: podotrochilitis chronica aseptica
 podotrochlosis. Numans SR, et al.
Equine Vet J 5:1-7, Jan 73

PSEUDOHYPOPARATHYROIDISM

COMPLICATIONS

- [Precocity (author's transl)] Helge H.
Monatsschr Kinderheilkd 121:836-46, Oct 73 (183 ref.)
 (Eng. Abstr.) (Ger)

PSEUDOPSEUDOHYPO- PARATHYROIDISM

COMPLICATIONS

- Pseudo-pseudohypoparathyroidism. A review of the
 syndrome with particular reference to pedal
 symptomatology. Shaw AH.
J Am Podiatry Assoc 63:657-74, Dec 73

RADIOGRAPHY

- Pseudo-pseudohypoparathyroidism. A review of the
 syndrome with particular reference to pedal
 symptomatology. Shaw AH.
J Am Podiatry Assoc 63:657-74, Dec 73

RENAL OSTEODYSTROPHY

COMPLICATIONS

- [Arterial calcinosis in pronounced renal
 osteodystrophy] Lautsevichus LZ, et al.
Ter Arkh 44:84-90, Jun 72 (Eng. Abstr.) (Rus)

DIAGNOSIS

- [Letter: Onset stages of renal osteodystrophy. Study by
 quantitative biopsy in acute renal failure] Zech P, et
 al. *Nouv Presse Med* 2:2551, 27 Oct 73 (Fre)
 [Radiological demonstration of renal osteopathy
 during chronic dialysis (author's transl)] Banzer D, et
 al.
Dtsch Med Wochenschr 99:48-51, 11 Jan 74 (Eng.
 Abstr.) (Ger)

ETIOLOGY

- Indications for parathyroidectomy in patients with
 chronic renal failure. Finch T, et al.
Am Surg 40:40-4, Jan 74
 [Letter: Onset stages of renal osteodystrophy. Study by
 quantitative biopsy in acute renal failure] Zech P, et
 al. *Nouv Presse Med* 2:2551, 27 Oct 73 (Fre)
 [Radiological demonstration of renal osteopathy

PARATHYROID AND BONE

during chronic dialysis (author's transl)] Banzer D, et al.
Dtsch Med Wochenschr 99:48-51, 11 Jan 74 (Eng. Abstr.) (Ger)

METABOLISM

[Some characteristics of phosphorus-calcium metabolism and the bone system pathology in chronic uremia] Ermolenko VM, et al.
Ter Arkh 45:70-8, May 73 (Eng. Abstr.) (Rus)

PATHOLOGY

Bone crystal maturation in renal osteodystrophy in humans. Burnell JM, et al. J Clin Invest 53:52-8, Jan 74
[Some characteristics of phosphorus-calcium metabolism and the bone system pathology in chronic uremia] Ermolenko VM, et al.
Ter Arkh 45:70-8, May 73 (Eng. Abstr.) (Rus)
[Arterial calcinosis in pronounced renal osteodystrophy] Lautsevichus LZ, et al.
Ter Arkh 44:84-90, Jun 72 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Evolution of bone disease over 10 years in 135 patients with terminal renal failure. Tatler GL, et al.
Br Med J 4:315-9, 10 Nov 73
[Radiological demonstration of renal osteopathy during chronic dialysis (author's transl)] Banzer D, et al.
Dtsch Med Wochenschr 99:48-51, 11 Jan 74 (Eng. Abstr.) (Ger)
[Radiological features of abnormal calcium metabolism in dialysis patients (author's transl)] Ritz E, et al.
Fortschr Geb Roentgenstr Nuklearmed 119:194-202, Aug 73 (Eng. Abstr.) (Ger)

THERAPY

Indications for parathyroidectomy in patients with chronic renal failure. Flinck T, et al.
Am Surg 40:40-4, Jan 74

RICKETS

Direct control by calcium of
25-hydroxycholecalciferol-1-hydroxylase activity in chick kidney mitochondria. Suda T, et al.
Biochem Biophys Res Commun 54:512-8, 18 Sep 73
Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
[Cells and matrix in orthotop-homotransplanted epiphyseal cartilage (author's transl)] Riede UN, et al.
Beitr Pathol 149:336-46, Sep 73 (Eng. Abstr.) (Ger)

BLOOD

Serum parathyroid hormone concentrations in vitamin D deficiency rickets of infancy: effects of intravenous calcium and vitamin D. Fischer JA, et al.
Horm Metab Res 5:381-5, Sep 73
Renal tubular dysfunction following vascular accidents of the kidneys in the newborn period. Stark H, et al.
J Pediatr 83:933-40, Dec 73
High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomobolization. Latorre H, et al.
Pediatrics 53:100-5, Jan 74
Rickets associated with anticonvulsant medication. Medlinsky HL. Pediatrics 53:91-5, Jan 74

CHEMICALLY INDUCED

Teratogenic activity of metbadone hydrochloride in mouse and chick embryos. Jurand A.
J Embryol Exp Morphol 30:449-58, Oct 73
New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74
High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomobolization. Latorre H, et al.
Pediatrics 53:100-5, Jan 74
Rickets associated with anticonvulsant medication. Medlinsky HL. Pediatrics 53:91-5, Jan 74

COMPLICATIONS

[Function of the thyroid gland and phosphorus-calcium

metabolism in children with acute pneumonia on the rachitic background] Chubatala IG.
Pediatria 52:26-30, Nov 73 (Rus)

DRUG THERAPY

Bone sodium exchange. Effect of rachitism and vitamin D3 treatment on chicks. Cañas FM.
Calcif Tissue Res 13:93-7, 1973
Serum parathyroid hormone concentrations in vitamin D deficiency rickets of infancy: effects of intravenous calcium and vitamin D. Fischer JA, et al.
Horm Metab Res 5:381-5, Sep 73
Nitrogen balance studies on two different intake of protein in children with vitamin D deficiency rickets. Verma SK, et al. Indian J Pediatr 40:269-75, Aug 73
Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74
Phytate and rickets. Nutr Rev 31:238-9, Aug 73 (8 ref.)
High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomobolization. Latorre H, et al.
Pediatrics 53:100-5, Jan 74
Rickets associated with anticonvulsant medication. Medlinsky HL. Pediatrics 53:91-5, Jan 74

ETIOLOGY

Contrasting effect of hemodialysis and peritoneal dialysis on the inhibition of in vitro calcification by uremic serum. Oreopoulos DG, et al.
Can Med Assoc J 110:43-7, 5 Jan 74
Renal tubular dysfunction following vascular accidents of the kidneys in the newborn period. Stark H, et al.
J Pediatr 83:933-40, Dec 73
New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74
Phytate and rickets. Nutr Rev 31:238-9, Aug 73 (8 ref.)

FAMILIAL & GENETIC

New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74

HISTORY

Rickets in Singapore by Cicely D. Williams from Archives of Diseases in Childhood 21:37, 1946.
(Williams CD). Nutr Rev 31:358-9, Nov 73

METABOLISM

Bone sodium exchange. Effect of rachitism and vitamin D3 treatment on chicks. Cañas FM.
Calcif Tissue Res 13:93-7, 1973
Nitrogen balance studies on two different intake of protein in children with vitamin D deficiency rickets. Verma SK, et al. Indian J Pediatr 40:269-75, Aug 73
[Gastric secretion in children with rickets (author's transl)] Szafran H, et al.
Przegl Lek 30:797-802, 1973 (Eng. Abstr.) (Pol)
[Function of the thyroid gland and phosphorus-calcium metabolism in children with acute pneumonia on the rachitic background] Chubatala IG.
Pediatria 52:26-30, Nov 73 (Rus)
[Content of calcium-binding protein in various organs of chicks and hens depending on their vitamin D allowance] Bauman VK, et al.
Prikl Biokhim Mikrobiol 8:841-8, Nov-Dec 72 (Eng. Abstr.) (Rus)

OCCURRENCE

Nutritional assessment of rural pre-school children. Gupta BM, et al. Indian J Pediatr 40:142-6, Apr 73
A one-year survey of a rural orthopaedic clinic in Zululand. Toit SN du. S Afr Med J 47:2189-90, 17 Nov 73

PATHOLOGY

Rickets and osteomalacia—a morphological study. Raina V. Indian J Med Res 61:190-4, Feb 73
Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)

PHYSIOPATHOLOGY

[Gastric secretion in children with rickets (author's

PARATHYROID AND BONE

transl)] Szafran H, et al.
Przegl Lek 30:797-802, 1973 (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

[Continuous prophylaxis of rickets--already in the newborn? (author's transl)] Freyer HU.
Monatsschr Kinderheilkd 121:695-6, Nov 73 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Rickets and osteomalacia-a morphological study. Raina V. Indian J Med Res 61:190-4, Feb 73
[Interpretations of radiographic signs of cartilaginous lesions] Wang YC, et al.
Chin Med J 12:728-33, Dec 73 (Eng. Abstr.) (Chi)

RADIOTHERAPY

Phytate and rickets. Nutr Rev 31:238-9, Aug 73 (8 ref.)

THERAPY

Nitrogen balance studies on two different intake of protein in children with vitamin D deficiency rickets. Verma SK, et al. Indian J Pediatr 40:269-75, Aug 73
[Letter: Hepatitis activation by ultraviolet irradiation?] Schäfer KH.
Dtsch Med Wochenschr 98:1885, 5 Oct 73 (Ger)
[Indices of risk as an objective factor in hospitalization of children less than one year of age] Cohn J. Pediatrics (Bucur) 22:349-55, Jul-Aug 73 (Eng. Abstr.) (Rum)

URINE

Renal tubular dysfunction following vascular accidents of the kidneys in the newborn period. Stark H, et al. J Pediatr 83:933-40, Dec 73

RICKETS, VITAMIN D RESISTANT

CHEMICALLY INDUCED

Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)

DIAGNOSIS

[Case of cystinosis in a 10-year-old girl] Górka M, et al.
Wlad Lek 26:2129-33, 15 Nov 73 (Pol)

DRUG THERAPY

New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. N Engl J Med 289:817-22, 18 Oct 73

ENZYMOLGY

Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. N Engl J Med 289:817-22, 18 Oct 73

ETIOLOGY

Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. N Engl J Med 289:817-22, 18 Oct 73

FAMILIAL & GENETIC

Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin

D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. N Engl J Med 289:817-22, 18 Oct 73

METABOLISM

Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al. N Engl J Med 289:817-22, 18 Oct 73

PHYSIOPATHOLOGY

International certificates of vaccination. Brodehl J. N Engl J Med 290:106, 10 Jan 74

URINE

International certificates of vaccination. Brodehl J. N Engl J Med 290:106, 10 Jan 74

TETANY

[Complications of regional anaesthesia and their treatment (author's transl)] Sehhati G, et al. Munch Med Wochenschr 115:1765-6, 12 Oct 73 (Eng. Abstr.) (Ger)

BLOOD

Severe tetany in an azotemic child related to a sodium phosphate enema. Oxnard SC, et al. Pediatrics 53:105-6, Jan 74

CHEMICALLY INDUCED

Severe tetany in an azotemic child related to a sodium phosphate enema. Oxnard SC, et al. Pediatrics 53:105-6, Jan 74

COMPLICATIONS

[Viscero-vascular manifestations in the clinical course of hypocalcemic tetany] Martynov IuS, et al. Klin Med (Mosk) 51:79-83, Jan 73 (Eng. Abstr.) (Rus)

DIAGNOSIS

[Viscero-vascular manifestations in the clinical course of hypocalcemic tetany] Martynov IuS, et al. Klin Med (Mosk) 51:79-83, Jan 73 (Eng. Abstr.) (Rus)

ETIOLOGY

Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al. Australas Radiol 17:199-204, Jun 73
[Pathogenesis of hypomagnesemic tetany. 3. Reaction of sheep, receiving different magnesium supply, to intravenous ammonia infusion] Meyer H, et al. Dtsch Tierärztl Wochenschr 80:441-4, 1 Oct 73 (Eng. Abstr.) (Ger)
[Viscero-vascular manifestations in the clinical course of hypocalcemic tetany] Martynov IuS, et al. Klin Med (Mosk) 51:79-83, Jan 73 (Eng. Abstr.) (Rus)

PATHOLOGY

Pathological studies on grass tetany (hypomagnesemia) in cattle occurring in Japan. Oshima K, et al. Jap J Vet Sci 35:231-8, Jun 73

VETERINARY

Pathological studies on grass tetany (hypomagnesemia) in cattle occurring in Japan. Oshima K, et al. Jap J Vet Sci 35:231-8, Jun 73
[Pathogenesis of hypomagnesemic tetany. 3. Reaction of sheep, receiving different magnesium supply, to intravenous ammonia infusion] Meyer H, et al. Dtsch Tierärztl Wochenschr 80:441-4, 1 Oct 73 (Eng. Abstr.) (Ger)

VITAMIN A

Nutritional status of children of Mexican-American migrant families. Larson LB, et al. J Am Diet Assoc 64:29-35, Jan 74
The effect of processing on the nutritive value of flesh

PARATHYROID AND BONE

foods. Burger IH, et al.
Proc Nutr Soc 32:1-8, May 73 (55 ref.)

ANALYSIS

Determination of 25-hydroxycholecalciferol by combined thin layer and gas chromatography. Sklan D, et al. Anal Biochem 58:806-9, Dec 73

PHARMACODYNAMICS

Possible aetiological factors of calciphylaxis in pigs. Bille N. Nord Vet Med 25:377-82, Jul-Aug 73
[Morphology associated with endocrine function] Watari N.
Clin Endocrinol (Tokyo) 21:663-77, Jul 73 (106 ref.) (Jap)

THERAPEUTIC USE

Phytate and rickets. Nutr Rev 31:238-9, Aug 73 (8 ref.)
[Effect of a vitamin complex on the body of cows and calves] Efanov NA. Veterinarlia 49:90-3, Jan 73 (Rus)

VITAMIN D

Deaths from falls and fractures. Comparison of mortality in Scotland and the United States with that in England and Wales. Eddy TP.
Br J Prev Soc Med 27:247-54, Nov 73
Vitamin D, example and challenge. Havinga E. Experientia 29:1181-93, 15 Oct 73
Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
Nutritional status of children of Mexican-American migrant families. Larson LB, et al.
J Am Diet Assoc 64:29-35, Jan 74
The effects of thyroid hormone on vitamin D-induced nephrocalcinosis. Newman RJ.
J Pathol 111:13-21, Sep 73
The effect of processing on the nutritive value of flesh foods. Burger IH, et al.
Proc Nutr Soc 32:1-8, May 73 (55 ref.)

ADMINISTRATION & DOSAGE

[Continuous prophylaxis of rickets--already in the newborn? (author's transl)] Freyer HU.
Monatsschr Kinderheilkd 121:695-6, Nov 73 (Eng. Ahstr.) (Ger)
[Preparation of diabetics for oral surgery] Sadkiewicz G, et al. Wlad Lek 26:2097-101, 15 Nov 73 (14 ref.) (Pol)

ADVERSE EFFECTS

New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74
[Stages of D-hypervitaminosis and their biochemical diagnosis] Spirichev VB.
Pediatrilia 52:30-6, Nov 73 (Eng. Ahstr.) (Rus)

BLOOD

Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Cohurn JW, et al.
Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)
[Radiological features of abnormal calcium metabolism in dialysis patients (author's transl)] Ritz E, et al.
Fortschr Geb Roentgenstr Nuklearmed 119:194-202, Aug 73 (Eng. Ahstr.) (Ger)

METABOLISM

The bone cell system: form and function. Remagen W. Beitr Pathol 150:1-10, Oct 73 (8 ref.)
Evolution of bone disease over 10 years in 135 patients with terminal renal failure. Tatler GL, et al.
Br Med J 4:315-9, 10 Nov 73
Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Cohurn JW, et al.
Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)
Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. Fraser D, et al.
N Engl J Med 289:817-22, 18 Oct 73
Letter: Phosphorus depletion and vitamin D

metabolism. Sawyer WT.
N Engl J Med 290:345-5, 7 Feb 74
Vitamin D metabolism: recent developments. DeLuca HF. Triangle 12:111-8, 1973
Hormonal control of bone cell function. Rasmussen H. Triangle 12:103-9, 1973
Physiological significance of the vitamin D-dependent calcium-binding protein. Wasserman RH, et al. Triangle 12:119-27, 1973
[Hypercalcemic syndrome in sarcoidosis of the parathyroid glands (author's transl)] Hartmann F, et al. Med Klin 68:1365-70, 15 Oct 73 (Eng. Ahstr.) (Ger)
[Vitamin D metabolism and its role in the light of new experimental achievements] Szolc A, et al. Pediatr Pol 48:1275-9, 1973 (19 ref.) (Pol)
[Content of calcium-binding protein in various organs of chicks and hens depending on their vitamin D allowance] Bauman VK, et al.
Prikl Biokhim Mikrobiol 8:841-8, Nov-Dec 72 (Eng. Ahstr.) (Rus)

PHARMACODYNAMICS

Osteoid mineralization defect in primary hyperparathyroidism. Bordier PJ, et al.
Clin Endocrinol (Oxf) 2:377-86, Oct 73
Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Cohurn JW, et al.
Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)
The effects of deficiencies of calcium or of calcium and vitamin D on the rate of oral collagen synthesis in the rat. Oliver WM, et al. J Periodont Res 7:29-34, 1972
Physiological significance of the vitamin D-dependent calcium-binding protein. Wasserman RH, et al. Triangle 12:119-27, 1973
[Morphology associated with endocrine function] Watari N.
Clin Endocrinol (Tokyo) 21:663-77, Jul 73 (106 ref.) (Jap)
[Effect of vitamin D3 on electrolyte balance and bile-producing function of the liver] Romanenko VD. Fiziol Zh 19:369-72, May-Jun 73 (Eng. Ahstr.) (Ukr)

PHYSIOLOGY

[Vitamin D metabolism and its role in the light of new experimental achievements] Szolc A, et al.
Pediatr Pol 48:1275-9, 1973 (19 ref.) (Pol)

POISONING

[Diagnosis and treatment of hypercalcemia] Verhanck M, et al. Brux Med 53:649-68, Nov 73 (Fre)

THERAPEUTIC USE

Bone disease in two cases of cystinosis--histomorphometric analysis of the vitamin D effect. Schulz A, et al. Beitr Pathol 150:43-54, Oct 73
Changes in skeletal mineral in patients on prolonged maintenance dialysis. Atkinson PJ, et al.
Br Med J 4:519-22, 1 Dec 73
Myopathy associated with anticonvulsant osteomalacia. Marsden CD, et al. Br Med J 4:526-7, 1 Dec 73
Osteoid mineralization defect in primary hyperparathyroidism. Bordier PJ, et al.
Clin Endocrinol (Oxf) 2:377-86, Oct 73
Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Cohurn JW, et al.
Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)
Dietary management of renal failure in infants and children. Principles of nutritional therapy and some representative diets. Chan JC.
Clin Pediatr (Phila) 12:707-13, Dec 73 (24 ref.)
Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
New developments in pharmacology of vitamin D. Med Lett Drugs Ther 16:15-6, 1 Feb 74
Phytate and rickets. Nutr Rev 31:238-9, Aug 73 (8 ref.)
Rickets associated with anticonvulsant medication. Medlinsky HL. Pediatrics 53:91-5, Jan 74
The microradiographic assessment of bone structure. Jowsey J. Triangle 12:93-101, 1973
[On the problem referring to the resistance to vitamin D therapy (author's transl)] Wilczek H, et al.
Cas Lek Cesk 112:1249-52, 12 Oct 73 (Eng. Abstr.) (Cze)

PARATHYROID AND BONE

VITAMIN D DEFICIENCY

Studies on the mode of action of calciferol. VI. Effect of 1,25-dihydroxy-vitamin D3 on RNA synthesis in the intestinal mucosa. Tsai HC, et al.
Biochem Biophys Res Commun 54:622-7, 18 Sep 73

BLOOD

Serum parathyroid hormone concentrations in vitamin D deficiency rickets of infancy: effects of intravenous calcium and vitamin D. Fischer JA, et al.
Horm Metab Res 5:381-5, Sep 73

COMPLICATIONS

Primary hyperparathyroidism--a clinical, biochemical and radiological profile with emphasis on geographical variations. Sridhar CB, et al.
Australas Radiol 17:199-204, Jun 73
The effects of deficiencies of calcium or of calcium and vitamin D on the rate of oral collagen synthesis in the rat. Oliver WM, et al. J Periodont Res 7:29-34, 1972
Letter: Bowlegs, knock-knees and vitamin D status in schoolchildren. Richardson BD, et al.
N Engl J Med 290:346, 7 Feb 74
[Primary osteoporosis: pathogenesis, diagnosis and treatment] Gasińska T.
Pol Tyg Lek 28:1984-7, 10 Dec 73 (35 ref.) (Pol)
[Indicators of amino acid metabolism in the pathology of internal organs] Netakhata ZhN, et al.
Sov Med 36:38-43, Mar 73 (Rus)

DRUG THERAPY

Serum parathyroid hormone concentrations in vitamin D deficiency rickets of infancy: effects of intravenous calcium and vitamin D. Fischer JA, et al.
Horm Metab Res 5:381-5, Sep 73
Effect of vitamin D3 and other factors on phosphate absorption by the chick.
Nutr Rev 31:253-5, Aug 73 (3 ref.)

METABOLISM

Lag period of action of 25-hydroxycholecalciferol on bone collagen metabolism in vitamin D deficient rats. Morava E, et al. Experientia 29:1225-6, 15 Oct 73
[Changes in chicks with B1 and D hypovitaminoses] Stefkín EG, et al. Veterinarlia 8:107-8, Aug 73 (Rus)

OCCURRENCE

Letter: Bowlegs, knock-knees and vitamin D status in schoolchildren. Richardson BD, et al.
N Engl J Med 290:346, 7 Feb 74

VETERINARY

The influence of nutrition response to infectious disease. Newberne PM.
Adv Vet Sci Comp Med 17:265-89, 1973 (80 ref.)
[Changes in chicks with B1 and D hypovitaminoses] Stefkín EG, et al. Veterinarlia 8:107-8, Aug 73 (Rus)

NEUROENDOCRINOLOGY

1. Physical and Functional Aspects

AMYGDALOID BODY

[Anatomical, histological, embryological and physiological studies of the amygdala in anurans] Clalrmbault P, et al.
Zh Evol Blokhim Fiziol 9:487-94, Sep-Oct 73 (Eng. Abstr.) (Rus)

ANALYSIS

Imipramine and its metabolites in human brain. Christiansen J, et al.
J Pharm Pharmacol 25:604-8, Aug 73

ANATOMY & HISTOLOGY

Brain research and violent behavior. A summary and evaluation of the status of biomedical research on brain and aggressive violent behavior. Neuroanatomical and neurophysiologic studies. Arch Neurol 30:1-8, Jan 74 (55 ref.)
[Anatomical, histological, embryological and physiological studies of the amygdala in anurans] Clalrmbault P, et al.
Zh Evol Blokhim Fiziol 9:487-94, Sep-Oct 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

An experimental study of the mechanism of action of ketamine on the central nervous system. Wong DH, et al. Can Anaesth Soc J 21:57-67, Jan 74
Acute effects of ethanol on spontaneous and auditory evoked electrical activity in cat brain. Perrin RG, et al. Electroencephalogr Clin Neurophysiol 36:19-31, Jan 74
Serotonin-like actions of quipazine on the central nervous system. Rodríguez R, et al.
Eur J Pharmacol 24:164-71, Nov 73

EMBRYOLOGY

[Anatomical, histological, embryological and physiological studies of the amygdala in anurans] Clalrmbault P, et al.
Zh Evol Blokhim Fiziol 9:487-94, Sep-Oct 73 (Eng. Abstr.) (Rus)

ENZYMOLGY

Proceedings: Influence of endocrine glands on central and peripheral monoamine oxidase activity. Holzbauer M, et al.
Br J Pharmacol 44:355P-356P, Feb 72

METABOLISM

Failure of catecholamine development following unilateral diencephalic lesions in the neonatal rat. Erionoff L, et al. Brain Res 58:486-93, 30 Aug 73
Serotonin levels in hippocampus: striking variations associated with mouse strain and treatment. Wimer RE, et al. Brain Res 63:397-401, 7 Dec 73
Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. Deneff C, et al. J Endocrinol 59:605-21, Dec 73
Characteristics of the catecholamine and histamine receptor sites mediating accumulation of cyclic adenosine 3',5'-monophosphate in guinea pig brain. Chasin M, et al. J Neurochem 21:1415-27, Dec 73
Autoradiographic distribution of 14C-hemicobaltum-3

in mouse whole body and dog brain. Domino EF, et al. J Pharmacol Exp Ther 188:77-85, Jan 74
Effects of progesterone or cyproterone acetate on androgen uptake in the brain, pituitary and peripheral tissues. Sar M, et al.
Proc Soc Exp Biol Med 144:26-9, 1 Oct 73

PATHOLOGY

Cerebral lesions in familial amyotrophic lateral sclerosis and dementia. Finlayson MH, et al. Acta Neuropathol (Berl) 26:237-46, 5 Nov 73
Reversibility by temporal-lobe resection of the behavioral abnormalities of temporal-lobe epilepsy. Falconer MA. N Engl J Med 289:451-5, 30 Aug 73

PHYSIOLOGY

Electrical stimulation of human thalamic and amygdaloid area and plasma cortisol concentration. Leppäluoto J. Acta Physiol Scand 89:187-91, Oct 73
Colonic motility in the cat. V. Influence of telencephalic stimulation and the peripheral pathways mediating the effects. Rostad H. Acta Physiol Scand 89:169-81, Oct 73
Brain research and violent behavior. A summary and evaluation of the status of biomedical research on brain and aggressive violent behavior. Behavioral studies. Arch Neurol 30:23-6, Jan 74 (56 ref.)
Retrograde amnesia produced by subseizure amygdala stimulation. Gold PE, et al. Behav Biol 9:671-80, Dec 73
Simultaneous stimulation of the subcortical systems governing agonistic behaviour. Sierra G, et al. Brain Res 63:111-21, 7 Dec 73
Sleep recordings from limbic structures in man. Glaquinto S. Confin Neurol 35:285-303, 1973
The role of telencephalic dopaminergic systems in the mediation of apomorphine-stereotyped behaviour. Costall B, et al. Eur J Pharmacol 24:8-24, Oct 73
A comparison of the pituitary adrenal activity elicited by electrical stimulation of preoptic, amygdaloid and hypothalamic sites in the rat brain. Redgate ES, et al. Neuroendocrinology 12:334-43, 1973
Temporal correlation of responses in blood pressure and motor reaction under electrical stimulation of limbic structures in unanaesthetized, unrestrained cats. Heinemann H, et al. Pflügers Arch 343:27-40, 1973
Influence of stimulation of anterior amygdaloid area upon the cat's reactions to stimuli with different biological significance. Behavioural and EEG data. Ungher J, et al. Rev Roum Neurol 10:419-39, 1973
[Anatomical, histological, embryological and physiological studies of the amygdala in anurans] Clalrmbault P, et al.
Zh Evol Blokhim Fiziol 9:487-94, Sep-Oct 73 (Eng. Abstr.) (Rus)
[Limbic and hypothalamic regulation of the digestive tract functions and food-water intake] Bogach PG. Fiziol Zh 19:608-16, Sep-Oct 73 (Eng. Abstr.) (Ukr)
[Electrophysiological study of the role of the amygdaloid complex in the regulation of the feeding behavior of dogs] Botach PG, et al. Fiziol Zh 19:617-24, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

Electrical stimulation of human thalamic and amygdaloid area and plasma cortisol concentration. Leppäluoto J. Acta Physiol Scand 89:187-91, Oct 73

NEUROENDOCRINOLOGY

- [Effect of electric stimulation of the amygdaloid complex on hemodynamic shifts] Gurevich MI, et al. *Fiziol Zh* 19:637-41, Sep-Oct 73 (Eng. Abstr.) (Ukr)
[Comparison of x-ray and electrographic pictures of the amygdalo-hippocampal complex in epileptics] Gajdošová D, et al.
Cesk Neurol Neurochir 36:377-81, Nov 73 (Eng. Abstr.) (Slo)

RADIOGRAPHY

- [Comparison of x-ray and electrographic pictures of the amygdalo-hippocampal complex in epileptics] Gajdošová D, et al.
Cesk Neurol Neurochir 36:377-81, Nov 73 (Eng. Abstr.) (Slo)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

- Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
[Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)
[Thyroid pathology of hypothalamic origin] Muñóz M, et al.
Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

ANALYSIS

- The hypothalamic-pituitary-testicular function of the old rat. Peng MT, et al.
J Formosan Med Assoc 72:495-502, Sep 73
Pituitary luteinizing hormone and follicle stimulating hormone concentrations and stalk-median eminence luteinizing hormone-releasing factor and follicle stimulating hormone-releasing factor levels of old female rats. Pl WP, et al.
J Formosan Med Assoc 72:485-94, Sep 73

ANATOMY & HISTOLOGY

- The nuclei of the anterior part of the hypothalamus of the cow. Gadamski R, et al. *J Hirnforsch* 14:27-41, 1973

BLOOD SUPPLY

- Identification of adenohipophysiotropic neurohormone producing neurosecretory cells in *Rana temporaria*. II. Identification, in the median eminence, of the terminal arborizations of axons of the tuberohypophysial neurosecretory system. Dierickx K, et al.
Z Zellforsch Mikrosk Anat 142:479-513, 1973

CYTOLOGY

- The fine structure of freeze-fractured neurosecretory nerve endings in the neurohypophysis. Dreifuss JJ, et al. *Brain Res* 62:367-72, 23 Nov 73
Degeneration and regeneration of neurosecretory systems. Dellmann HD.
Int Rev Cytol 36:215-315, 1973 (153 ref.)
Identification of adenohipophysiotropic neurohormone producing neurosecretory cells in *Rana temporaria*. II. Identification, in the median eminence, of the terminal arborizations of axons of the tuberohypophysial neurosecretory system. Dierickx K, et al.
Z Zellforsch Mikrosk Anat 142:479-513, 1973
[Functional morphology of the hypothalamo-hypophyseal neurosecretory system of the golden hamster during the estrus cycle and hyperestrogenism] Andreeva NE.
Arkhn Anat Gistol Embriol 64:98-102, Jun 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxypheyl)-cyclohexylidenemethane. Tojo S, et al.
Acta Obstet Gynecol Scand 52:335-43, 1973
Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic

- hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74
Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Eggena P, et al. *Endocrinology* 91:35-44, Jan 74
Growth hormone levels in vitamin B6-deficient rats. Makris A, et al. *Horm Metab Res* 5:457-61, Nov 73
Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Labhsetwar AP, et al. *Nature [New Biol]* 246:55-6, 14 Nov 73
The development of a hypothalamic monoaminergic system for the regulation of the Pars intermedia activity in *Xenopus laevis*. Terlou M, et al.
Z Zellforsch Mikrosk Anat 143:229-38, 1973
[Influence of cyclic AMP on hypothalamo-hypophyseal regulation of secretion of somatotropin] Peracchi M, et al. *Folia Endocrinol (Roma)* 26:407-11, Oct 73 (Ita)
[Functional morphology of the hypothalamo-hypophyseal neurosecretory system of the golden hamster during the estrus cycle and hyperestrogenism] Andreeva NE.
Arkhn Anat Gistol Embriol 64:98-102, Jun 73 (Eng. Abstr.) (Rus)
[Effect of epiphyseal extracts in lowering the threshold sensitivity of the hypothalamo-hypophyseal system of old female rats to the action of estrogens] Anisimov VN, et al.
Dokl Akad Nauk SSSR 213:483-5, 11 Nov 73 (Rus)
[Hypothalamo-hypophyseal neurosecretory system of the guppy *Lebistes reticulatus* during chronic phenol poisoning] Matef VE.
Zh Evol Biokhim Fiziol 9:481-6, Sep-Oct 73 (Eng. Abstr.) (Rus)
[Various concepts and current observations on the neurohumoral control of prolactin secretion in mammals] Valverde C.
Rev Invest Clin 25:267-85, Jul-Sep 73 (81 ref.) (Eng. Abstr.) (Spa)

GROWTH & DEVELOPMENT

- The development of a hypothalamic monoaminergic system for the regulation of the Pars intermedia activity in *Xenopus laevis*. Terlou M, et al.
Z Zellforsch Mikrosk Anat 143:229-38, 1973

METABOLISM

- Localization of tritiated dopamine in the median eminence of the rat hypothalamus by electron microscope autoradiography. Cuello AC, et al.
Brain Res 63:474-8, 7 Dec 73
Thyrotropin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al.
Endocrinology 91:188-97, Jan 74
Sexual maturation in the female rhesus monkey and the development of estrogen-induced gonadotropic hormone release. Dierschke DJ, et al.
Endocrinology 91:198-206, Jan 74
Degeneration and regeneration of neurosecretory systems. Dellmann HD.
Int Rev Cytol 36:215-315, 1973 (153 ref.)
[Dopaminergic neurons in the hypothalamo-hypophyseal system] Schreiner V.
Cesk Fysiol 22:213-24, Mar 73 (Cze)
[Age peculiarities of the hypothalamic regulation of the hypophyseal-adrenal system in rats] Drhevskaia IA, et al.
Probl Endocrinol (Mosk) 19:59-62, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Influence of deafferentation of the medial basal hypothalamus on the sensitivity of the brain to hyperbaric oxygen. Harel D, et al.
Aerosp Med 44:1223-6, Nov 73
Plasma ADH increase and thirst suppression elicited by preoptic heating in the dog. Szczepanska-Sadowska E.
Am J Physiol 226:155-61, Jan 74
The existence of facilitatory axon collaterals in neurosecretory cells of the hypothalamus. Kolzumi K, et al. *Brain Res* 63:408-13, 7 Dec 73
The hypothalamic-pituitary control of ageing and age-related pathology. Everitt AV.
Exp Gerontol 8:265-77, Oct 73 (104 ref.)
The thyroid and age. Frolkis VV, et al.
Exp Gerontol 8:285-96, Oct 73
Hypothalamo-hypophysial neurosecretion. II.

NEUROENDOCRINOLOGY

- Hypophysectomy, ACTH and metopiron treatment in *Bufo anderssoni*. Dixit VP.
Folia Biol (Krakow) 21:319-27, 1973
- Some effects of exogenous gonadotropins and prolactin on photostimulated and photorefractory white-crowned sparrows. Stetson MH, et al.
Gen Comp Endocrinol 21:424-30, Dec 73
- The hypothalamic-pituitary-testicular function of the old rat. Peng MT, et al.
J Formosan Med Assoc 72:495-502, Sep 73
- Influence of cyclic AMP on hypothalamo-hypophyseal regulation of secretion of somatotropin. Peracchi M, et al. **Folia Endocrinol (Roma)** 26:407-11, Oct 73 (Ita)
- Conclusion of essays on cerebral amines and endocrine-automatic nervous functions. Sano Y.
Clin Endocrinol (Tokyo) 21:1027-8, Oct 73 (Jap)
- Transmission of hypothalamic hormones to the anterior part of the hypophysis in mammals. Domański E.
Endokrynol Pol 24:337-54, Sep-Oct 73 (Pol)
- Age peculiarities of the hypothalamic regulation of the hypophyseal-adrenal system in rats. Drhevskaia IA, et al.
Probl Endokrinol (Mosk) 19:59-62, Nov-Dec 73 (Eng. Abstr.) (Rus)
- Model of the vertebrate nervous system based largely on disinhibition. Key role of the GABA system. Roberts E.
Zh Evol Biokhim Fiziol 9:445-63, Sep-Oct 73 (52 ref.) (Rus)
- The role of the hypothalamus in the regulation of vegetative and cortical functions. Makarchenko OF.
Fiziol Zh 19:579-85, Sep-Oct 73 (Eng. Abstr.) (Ukr)
- Effect of the destruction of the reticular formation of the mesencephalon on the hypothalamo-hypophyseal neurosecretory system. Vashenko OA.
Fiziol Zh 19:661-6, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

- Proceedings: A re-examination of the hypoglycaemia-induced "stress" response of the hypothalamo-pituitary-adrenal axis in patients with rheumatoid arthritis on long-term adrenocorticotrophin (ACTH) therapy. Fleisher MR, et al. **Ann Rheum Dis** 32:595-6, Nov 73
- Letter: Hypothalamo-pituitary dysfunction in siblings of patients with holoprosencephaly. Romshe CA, et al.
J Pediatr 83:1088-90, Dec 73
- Isolated gonadotropin deficiency. A heterogeneous syndrome. Spitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74
- Activity of the adrenal cortex and of the hypothalamic-pituitary system in the rat after prolonged hypercapnia (author's transl.) Reichart E, et al.
Beitr Pathol 149:323-35, Sep 73 (Eng. Abstr.) (Fre)
- Chrono-regulation and function of the hypothalamo-hypophyseal-adrenal system in anorexia nervosa. Ferrari E, et al.
Folia Endocrinol (Roma) 26:422-34, Oct 73 (Ita)
- Isolated deficiency of anterior pituitary hormone. Kumahara Y, et al.
Jap J Clin Med 31:2512-7, 10 Aug 73 (Jap)
- Pathogenesis of dysfunctional uterine hemorrhages. Dohrotina AF, et al. **Sov Med** 36:110-4, Apr 73 (Rus)

SECRETION

- Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Eggena P, et al. **Endocrinology** 91:35-44, Jan 74
- Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Lahhsetwar AP, et al.
Nature [New Biol] 246:55-6, 14 Nov 73
- Site of synthesis of polypeptide-coherlin-exerting an influence on intestinal motility. Galasinska-Pomykol I, et al.
Endokrynol Pol 24:429-45, Nov-Dec 73 (Eng. Abstr.) (Pol)

HYPOTHALAMUS

- A hemorrhagic diathesis with involvement of hypothalamus produced in rats by cyclophosphamide. Levine S, et al. **Am J Pathol** 74:171-7, Jan 73
- Production and characterization of an antiserum to synthetic gonadotropin-releasing hormone. Koch Y,

- et al.
Biochem Biophys Res Commun 55:616-22, 10 Dec 73
- Lack of growth hormone-releasing activity of (pyro)Glu-Ser-Gly-NH₂. Schally AV, et al.
Biochem Biophys Res Commun 55:558-62, 10 Dec 73
- Glucose metabolism in hypothalamic obese rats. Göth M, et al. **Endokrinologie** 61:265-70, May 73
- Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. Faglia G, et al.
Folia Endocrinol (Roma) 26:245-56, Aug 73
- Stimulation of growth hormone release from superfused rat pituitary by extracts of hypothalamus and of human lung tumours. Beck C, et al.
J Endocrinol 59:325-33, Nov 73
- Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
- The usefulness of thyrotrophin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.
Kobe J Med Sci 19:13-22, Mar 73
- Hyperthermia in rabbits from injection of malaria infected erythrocytes in the pre-optic area. Orsay CP, et al. **Nature** 246:162-3, 16 Nov 73
- Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Lahhsetwar AP, et al.
Nature [New Biol] 246:55-6, 14 Nov 73
- Central effects of prostaglandin E₁ in adult fowls. Nisticò G, et al.
Neuropharmacology 12:1009-16, Nov 73
- Potentiation of luteinizing hormone-releasing factor activities following pentobarbital anaesthesia in the steroid-blocked castrated rat. Wedig JH, et al.
Proc Soc Exp Biol Med 144:993-8, Dec 73
- Effects of colchicine on release of neurosecretory material from the posterior pituitary gland of the rat. Norström A, et al.
Z Zellforsch Mikrosk Anat 142:443-64, 1973
- The development of a hypothalamic monoaminergic system for the regulation of the Pars intermedia activity in *Xenopus laevis*. Terlou M, et al.
Z Zellforsch Mikrosk Anat 143:229-38, 1973
- Primary alveolar hypoventilation of central origin. Apropos of a case. Groud M, et al.
Ann Med Interne (Paris) 124:611-5, Aug-Sep 73 (Fre)
- A complex picture of hypothalamic pathology appearing after cranial trauma (amenorrhea, galactorrhea, anorexia-hulimia, muscular hypotrophy, reticular crises). Malello M, et al.
Folia Endocrinol (Roma) 26:435-8, Oct 73 (Ita)
- LH-RH test in diencephalon-pituitary diseases. Hashimoto T, et al.
Clin Endocrinol (Tokyo) 21:925-33, Sep 73 (Jap)
- Effect of glucose loading on free fatty acids (FFA) level in plasma of women with hypothalamic insufficiency. Wajdowicz A, et al.
Endokrynol Pol 24:371-5, Sep-Oct 73 (Eng. Abstr.) (Pol)
- Varlants of the course and clinical manifestations of chronic acquired toxoplasmosis. Petreniuk LM, et al.
Klin Med (Mosk) 51:50-4, May 73 (Eng. Abstr.) (Rus)
- Biological rhythms in the disorders of the activity of the regulating structures of the brain. Vinogradova LI.
Klin Med (Mosk) 51:26-31, Jan 73 (Eng. Abstr.) (Rus)
- Hormonal activity of adrenal glands in patients with primary lesion of the hypothalamic region. Dohrin Blu, et al. **Sov Med** 36:8-11, Sep 73 (Eng. Abstr.) (Rus)
- Cardiac rhythm disorders in patients with autonomic-vascular hypothalamic disorders. Stepanova MP. **Ter Arkh** 45:56-60, Sep 73 (Rus)
- Cardiovascular disorders in patients with pathology of the hypothalamus. Bogolepov NK, et al.
Vrach Delo 9:37-43, Sep 73 (Eng. Abstr.) (Rus)
- Disorders of blood coagulation in patients with hypothalamic syndrome in the puberty period and forme fruste of Itsenko-Cushing syndrome. Vasilukova EA, et al.
Vrach Delo 9:73-6, Sep 73 (Eng. Abstr.) (Rus)

ANALYSIS

- Adenosine 3',5' cyclic monophosphate assay at 10-15 mole level. Cailla HL, et al.
Anal Biochem 56:394-407, Dec 73
- Regional brain salicylate concentrations in afebrile and

NEUROENDOCRINOLOGY

- fehrle rabbits. Rawlins MD, et al.
Biochem Pharmacol 22:2639-42, 15 Oct 73
- Production of MSH-release-inhibiting hormone by a particulate preparation of hypothalamus: mechanisms of oxytocin inactivation. Walter R, et al.
Brain Res 60:449-57, 12 Oct 73
- Simultaneous automated estimation of noradrenaline and dopamine in brain tissue. Waldmeyer P, et al.
Clin Chem 20:81-3, 1974
- 5 α -dihydrotestosterone "receptor" in the rat hypothalamus. Kato J, et al.
Endocrinol Jap 20:429-32, Aug 73
- The influence of tralaminolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypophysis into blood. Lešnik H, et al.
Endokrynol Pol 24:479-83, Nov-Dec 73
- Effects of midbrain tegmental lesions on sleep and regional brain serotonin and norepinephrine levels in cats. Jawlenc JE, et al.
Exp Neurol 41:870-82, Dec 73
- Proceedings: Radioimmunoassay of luteinizing hormone releasing hormone in blood and urine. Jeffcoat SL, et al.
J Endocrinol 59:xii, Nov 73
- Induction of adrenal catecholamine synthesizing enzymes following mother-infant separation. Breese GR, et al.
Nature [New Biol] 246:94-6, 21 Nov 73
- The effects of chronic cannabiz treatment on the aggressive behavior and brain 5-hydroxytryptamine levels of rats with different temperaments. Palermo Neto J, et al.
Psychopharmacologia 32:383-92, 15 Oct 73
- The effect of chronic ethanol administration on the levels of catecholamines in different regions of the rat brain. Post ME, et al.
Res Commun Chem Pathol Pharmacol 6:887-94, Nov 73
- [Annual cyclic studies of catecholamines in the hypothalamus of *Triturus vulgaris* (L.)] Weiss J, et al.
Acta Histochem (Jena) 45:319-21, 1973 (Ger)
- [Hypothalamic neuron and monoamines] Ihata Y.
Clin Endocrinol (Tokyo) 21:988-96, Oct 73 (Jap)
- [Conclusion of essays on cerebral amines and endocrine-automatic nervous functions] Sano Y.
Clin Endocrinol (Tokyo) 21:1027-8, Oct 73 (Jap)

ANATOMY & HISTOLOGY

- Brain research and violent behavior. A summary and evaluation of the status of biomedical research on brain and aggressive violent behavior.
 Neuroanatomical and neurophysiologic studies.
Arch Neurol 30:1-8, Jan 74 (55 ref.)
- Projections of the nuclei of the periaqueductal gray matter in the cat. Hamilton BL.
J Comp Neurol 152:45-58, 1 Nov 73
- The nuclei of the anterior part of the hypothalamus of the cow. Gadamski R, et al.
J Hirnforsch 14:27-41, 1973
- An electrophysiological dissection of the hypothalamic regions which regulate the pre-ovulatory secretion of luteinizing hormone in the rat. Dyer RG.
J Physiol (Lond) 234:421-42, Oct 73
- Ventral hypothalamic lesions block the consumption of morphine in rats. Amlt Z, et al.
Life Sci 13:805-16, 1 Oct 73
- [New data on visual projections in the pigeon (*Columba livia*)] Repérant J.
J Hirnforsch 14:151-87, 1973 (Eng. Abstr.) (Fre)
- [Formation of the structural and functional organization of the paleo-, archi- and neocortex in the phylogenesis of suhmmallan vertebrates]
 Karaman AI.
Zh Evol Biokhim Fiziol 8:324-32, May-Jun 73 (Eng. Abstr.) (Rus)
- [Monoamines in periventricular nerve cells of the hypothalamus of the lamprey *Lampetra fluviatilis*] Konstantinova MS.
Zh Evol Biokhim Fiziol 9:307-8, May-Jun 73 (Eng. Abstr.) (Rus)
- [Electron microscopic study of the connections of the neocortex to the hypothalamus in cats] Samolov MO.
Zh Evol Biokhim Fiziol 8:86-91, Jan-Feb 73 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

- The effect of catecholamines and catecholamine inhibitors on hypothalamic vascular tone. Mitchell G, et al.
J Physiol (Lond) 233:30P-32P, Aug 73
- Alcohol and regional blood flow in brains of rats. Goldman H, et al.
Proc Soc Exp Biol Med 144:983-8, Dec 73

CYTOLOGY

- The existence of facilitatory axon collaterals in neurosecretory cells of the hypothalamus. Kolzumi K, et al.
Brain Res 63:408-13, 7 Dec 73
- Stimulation of diencephalon: effect on multi-unit discharge rate of hypothalamic neurons and on the EEG in rabbits. Schulz H, et al.
Endocrinol Exp (Bratisl) 7:251-65, 1973
- An investigation of progesterone receptors in guinea pig vagina, uterine cervix, mammary glands, pituitary and hypothalamus. Atger M, et al.
Endocrinology 91:161-7, Jan 74
- Conversion of androstenedione to estrone by neural tissues from fetal and neonatal rats. Reddy VV, et al.
Endocrinology 91:117-21, Jan 74
- Bulk separation of neurons and glia from small amounts of brain tissue. Hazama H, et al.
Exp Cell Res 82:452-4, Dec 73
- Identifying Y chromosome in interphase nuclei of the human brain. Goldgeffer LI, et al.
Experientia 29:1428-9, 15 Nov 73
- Multi-lamellar astroglial wrapping of neuronal elements in the hypothalamus of rat. Guidner FH, et al.
Experientia 29:1355-6, 15 Nov 73
- The nuclei of the anterior part of the hypothalamus of the cow. Gadamski R, et al.
J Hirnforsch 14:27-41, 1973
- Activity of magnocellular neuroendocrine cells in the hypothalamus of unanaesthetized monkeys. I. Functional cell types and their anatomical distribution in the supraoptic nucleus and the internuclear zone. Hayward JN, et al.
J Physiol (Lond) 232:515-43, Aug 73
- Activity of magnocellular neuroendocrine cells in the hypothalamus of unanaesthetized monkeys. II. Osmosensitivity of functional cell types in the supraoptic nucleus and the internuclear zone. Hayward JN, et al.
J Physiol (Lond) 232:545-72, Aug 73
- [Hypothalamic neuron and monoamines] Ihata Y.
Clin Endocrinol (Tokyo) 21:988-96, Oct 73 (Jap)
- [Karyometric studies on the supraoptic and paraventricular nuclei in the sexual cycle] Karmański J, et al.
Endokrynol Pol 24:301-6, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Ontogenic development of the fine-cell tuhero-infundibular system] Voítkevich AA, et al.
Arkhn Anat Gistol Embriol 64:45-59, Feb 73 (Eng. Abstr.) (Rus)
- [Functional morphology of the isolated medio-basal hypothalamus in rats] Akmaev IG, et al.
Probl Endokrinol (Mosk) 19:62-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- Changes in hypothalamic peptidase activity during the oestrous cycle in the adult female rat. Griffiths EC, et al.
Acta Endocrinol (Kbh) 74:41-8, Sep 73
- Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). Griffiths EC, et al.
Acta Endocrinol (Kbh) 74:49-55, Sep 73
- Amenorrhea following use of combined oral contraceptives. Furuholm M, et al.
Acta Obstet Gynecol Scand 52:373-9, 1973
- Effects of ovariectomy and oestradiol-17 β treatment on brain catecholamines in the rat. Endröczl E, et al.
Acta Physiol Acad Sci Hung 43:43-8, 1973
- The effect of hypothalamic serotonin on compensatory adrenal function. Vermes I, et al.
Acta Physiol Acad Sci Hung 43:27-32, 1973
- Correlation between hypothalamic serotonin content and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermes I, et al.
Acta Physiol Acad Sci Hung 43:33-42, 1973
- The effect of chemical blockade of hypothalamic cholinergic system on defensive reactions in cats. Romanuk A, et al.
Acta Physiol Pol 24:809-16, Nov-Dec 73
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reier CE, et al.
Anesth Analg (Cleve) 52:1003-10, Nov-Dec 73
- Prostaglandins and the central nervous system. Coccani F.
Arch Intern Med 133:119-29, Jan 74 (128 ref.)
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats.

NEUROENDOCRINOLOGY

- Inselman-Temkin BR, et al.
Brain Res 60:393-410, 12 Oct 73
- Histamine: a stimulatory effect on drinking behavior in the rat. Leihowitz SF. Brain Res 63:440-4, 7 Dec 73
- An experimental study of the mechanism of action of ketamine on the central nervous system. Wong DH, et al. Can Anaesth Soc J 21:57-67, Jan 74
- Acute effects of ethanol on spontaneous and auditory evoked electrical activity in cat brain. Perrin RG, et al. Electroencephalogr Clin Neurophysiol 36:19-31, Jan 74
- Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Eggena P, et al. Endocrinology 91:35-44, Jan 74
- Investigation of the rapid recovery of rat thermoregulation from soman poisoning. Meeter E. Eur J Pharmacol 24:105-7, Oct 73
- Loss of visual placing in rats after lateral hypothalamic microinjections of 6-hydroxydopamine. Sechzer JA, et al. Exp Neurol 41:723-37, Dec 73
- Study of the distribution of adrenergic mechanisms in the hypothalamic feeding centres. Malhotra N, et al. Indian J Med Res 61:1212-21, Aug 73
- Cholinergic and beta-adrenergic compounds in the control of drinking behavior in the rat. Singer G, et al. J Comp Physiol Psychol 85:453-62, Dec 73
- Proceedings: Increased feeding following injections of carbachol into the hypothalamus of sheep. Forbes JM, et al. J Endocrinol 59:xxxix, Nov 73
- Evolution of supraoptical and paraventricular nuclei (SON and PVN) in white rats under the influence of large, constant thiamin doses. Mallat F, et al. J Hirnforsch 14:233-6, 1973
- Proceedings: Stimulation of rat hypothalamus in vitro. Bradbury MW, et al. J Physiol (Lond) 234:74P-75P, Oct 73
- The effect of catecholamines and catecholamine inhibitors on hypothalamic vascular tone. Mitchell G, et al. J Physiol (Lond) 233:30P-32P, Aug 73
- Plasticity of function of hypothalamic glucoreceptors. Kotliyar BI, et al. Neurosci Behav Physiol 6:34-43, Jan-Mar 73
- Suppression of pituitary-adrenal activity and shock-induced fighting in rats. Erskine MS, et al. Physiol Behav 11:787-90, Dec 73
- Dependence of the anterior olfactory area self-stimulation upon the lateral hypothalamic area. Nakajima S, et al. Physiol Behav 11:827-31, Dec 73
- Hydration releases inhibition of feeding produced by intracranial angiotensin. Rolls RJ, et al. Physiol Behav 11:881-4, Dec 73
- Influence of morphine on lateral hypothalamic self-stimulation in the rat. Lorens SA, et al. Psychopharmacologia 32:271-7, 28 Sep 73
- The administration of monosodium L-glutamate to neonatal and pregnant rhesus monkeys. Newman AJ, et al. Toxicology 1:197-204, Sep 73
- [Mechanisms of action of oral contraceptives] Vihko R. Duodecim 89:1612-7, Oct 73 (14 ref.) (Fin)
- [Sensitivity of the preoptic area of the hypothalamus of the male rat to androgens] Danguy A, et al. C R Acad Sci [D] (Paris) 276:1729-32, 12 Mar 73 (Fre)
- [Pharmacological studies of 1,3-diphenyl-5-(2-dimethyl amino propionamide) pyrazole HCL (AP-14) with special reference to its action on the central nervous system] Yanaura S, et al. Folia Pharmacol Jap 69:679-87, Sep 73 (Eng. Abstr.) (Jap)
- [Neuroendocrinological study of chronically methamphetamine-treated guinea pigs and rats (author's transl)] Onodera I, et al. Psychiatr Neurol Jap 75:409-23, Jul 73 (Jap)
- [Participation of the cholinergic portion of the brain in conditioned reflex activity] Suvorov NF, et al. Zh Vyssh Nerv Delat 23:403-15, Mar-Apr 73 (Rus)
- [The role of the posterior hypothalamus chemoreceptors in changes in the thermal stability of blood proteins] Roitrukh BA, et al. Fiziol Zh 19:601-7, Sep-Oct 73 (Eng. Abstr.) (Ukr)

ENZYMOLGY

- Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). Griffiths EC, et al. Acta Endocrinol (Kbh) 74:49-55, Sep 73
- Changes in hypothalamic peptidase activity during the oestrous cycle in the adult female rat. Griffiths EC, et al. Acta Endocrinol (Kbh) 74:41-8, Sep 73
- A sensitive fluorometric assay for monoamine oxidase

- activity. Harada M, et al. Anal Biochem 56:283-8, Nov 73
- Proceedings: Influence of endocrine glands on central and peripheral monoamine oxidase activity. Holzhauer M, et al. Br J Pharmacol 44:355P-356P, Feb 72
- Immunohistochemical studies on monoamine-containing cell systems. Hökfelt T, et al. Brain Res 62:461-9, 23 Nov 73
- The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones. Parvez H, et al. Experientia 29:1259-62, 15 Oct 73
- Changes in brain acetylcholinesterase activity of young rats after chronic treatment with tremorine. Vernadakis A. Experientia 29:1257-9, 15 Oct 73
- Activation of Na-K activated ATPase in rat brain by catecholamine. Yoshimura K. J Biochem (Tokyo) 74:389-91, Aug 73
- The chemoarchitectonics of the shark brain. Kusunoki T, et al. J Hirnforsch 14:13-26, 1973
- Regional and subcellular distribution of choline acetyltransferase in the brain of rats. Wajda IJ, et al. J Neurochem 21:1385-401, Dec 73
- Reduced hypothermic effects of cholinomimetic agents following chronic anticholinesterase treatment. Overstreet DH, et al. Neuropharmacology 12:1017-32, Nov 73

GROWTH & DEVELOPMENT

- Evolution of supraoptical and paraventricular nuclei (SON and PVN) in white rats under the influence of large, constant thiamin doses. Mallat F, et al. J Hirnforsch 14:233-6, 1973
- [Ontogenic development of the fine-cell tuhero-infundibular system] Vořkevič AA, et al. Arkh Anat Gistol Embriol 64:45-59, Feb 73 (Eng. Abstr.) (Rus)

IMMUNOLOGY

- The primary immune response in rabbits after lesion of the different zones in the medial hypothalamus. Ado A, et al. Ann Allergy 31:585-9, Dec 73
- [Proof of increased hypothalamic activity] Mosonyi L, et al. Wien Z Inn Med 54:114-9, 1973 (Eng. Abstr.) (Ger)

METABOLISM

- Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). Griffiths EC, et al. Acta Endocrinol (Kbh) 74:49-55, Sep 73
- Adrenal glucocorticoid function in acute viral infections in children. Zeitoun MM, et al. Acta Paediatr Scand 62:608-14, Nov 73
- Effects of ovariectomy and oestradiol-17beta treatment on brain catecholamines in the rat. Endröczli E, et al. Acta Physiol Acad Sci Hung 43:43-8, 1973
- The effect of hypothalamic serotonin on compensatory adrenal function. Vermees I, et al. Acta Physiol Acad Sci Hung 43:27-32, 1973
- Correlation between hypothalamic serotonin content and adrenal function during acute stress. Effect of adrenal corticosteroids on hypothalamic serotonin content. Vermees I, et al. Acta Physiol Acad Sci Hung 43:33-42, 1973
- Conformation study of the inhibition of monoamine uptake in rat brain synaptosomes. Tuomisto J, et al. Ann Med Exp Biol Fenn 51:51-8, 1973
- Zinc, taurine, and epilepsy. Barbeau A, et al. Arch Neurol 30:52-8, Jan 74
- Effects of morphine, in vitro and in vivo, on tyrosine hydroxylase activity in rat brain. Cicero TJ, et al. Biochem Pharmacol 22:3237-46, 15 Dec 73
- On the central mediation of anorexigenic drug effects. Frey HH, et al. Biochem Pharmacol 22:3041-9, 1 Dec 73
- Proceedings: Studies on the glycol metabolites of noradrenaline in mouse brain. Ceasar PM, et al. Br J Pharmacol 44:340P-341P, Feb 72
- Proceedings: Failure to induce experimental hypertension in rats after intraventricular injection of 6-hydroxydopamine. Finch L, et al. Br J Pharmacol 44:356P-357P, Feb 72
- Monoamine fluorescence histochemistry of human post mortem brain. Olson L, et al. Brain Res 63:231-47, 7 Dec 73

NEUROENDOCRINOLOGY

- Production of MSH-release-inhibiting hormone by a particulate preparation of hypothalamus: mechanisms of oxytocin inactivation. Walter R, et al. *Brain Res* 60:449-57, 12 Oct 73
- Serotonin levels in hippocampus: striking variations associated with mouse strain and treatment. Wimer RE, et al. *Brain Res* 63:397-401, 7 Dec 73
- 5Alpha-dihydrotestosterone "receptor" in the rat hypothalamus. Kato J, et al. *Endocrinol Jap* 20:429-32, Aug 73
- An investigation of progesterone receptors in guinea pig vagina, uterine cervix, mammary glands, pituitary and hypothalamus. Atger M, et al. *Endocrinology* 91:161-7, Jan 74
- Thyrotropin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al. *Endocrinology* 91:188-97, Jan 74
- Conversion of androstenedione to estrone by neural tissues from fetal and neonatal rats. Reddy VV, et al. *Endocrinology* 91:117-21, Jan 74
- The uptake of corticosterone-4-14C by rat tissues during the postnatal ontogenesis. Macho L, et al. *Endocrinologie* 61:365-71, Jun 73
- Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. Denef C, et al. *J Endocrinol* 59:605-21, Dec 73
- Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. *J Endocrinol* 59:ii-ix, Nov 73
- The effect of aging on RNA-DNA ratios in brain regions of the C57BL-6J male mouse. Chaconas G, et al. *J Neurochem* 21:1469-73, Dec 73
- Changes in central noradrenaline neurons after systemic 6-hydroxydopamine administration. Sachs C, et al. *J Neurochem* 21:1517-24, Dec 73
- The release of histamine from tissue slices of rat hypothalamus. Taylor KM, et al. *J Neurochem* 21:1215-23, Nov 73
- Studies on the functional role of intraneuronal monamine oxidase. Clarke DE, et al. *J Pharmacol Exp Ther* 187:539-49, Dec 73
- Autoradiographic distribution of 14C-hemicholinium-3 in mouse whole body and dog brain. Domino EF, et al. *J Pharmacol Exp Ther* 188:77-85, Jan 74
- Elevation of brain dopamine during naloxone-precipitated withdrawal in morphine-dependent mice and rats. Iwamoto ET, et al. *J Pharmacol Exp Ther* 187:588-67, Dec 73
- Proceedings: Diffusion of noradrenaline between hypothalamus and cerebral ventricles of sheep. Balle CA, et al. *J Physiol (Lond)* 234:44P-46P, Oct 73
- Letter: Psychotropic drugs in addiction. *JAMA* 227:79, 7 Jan 74
- Androgen-induced sexual differentiation of the brain is blocked by inhibitors of DNA and RNA synthesis. Salaman DF, et al. *Nature* 247:109-12, 11 Jan 74
- Pentylenetetrazol convulsions and brain catecholamine turnover rate in rats and mice receiving diphenylhydantoin or benzodiazepines. Doteuchi M, et al. *Neuropharmacology* 12:1059-72, Nov 73
- Brain amines in fever and sleep cycle changes caused by streptococcal mucopolysaccharide. Mašek K, et al. *Neuropharmacology* 12:1039-47, Nov 73
- Effects of progesterone or cyproterone acetate on androgen uptake in the brain, pituitary and peripheral tissues. Sar M, et al. *Proc Soc Exp Biol Med* 144:26-9, 1 Oct 73
- Nonlinear changes in activity and emotional reactivity scores following central noradrenergic lesions in rats. Sorenson CA, et al. *Psychopharmacologia* 32:313-25, 15 Oct 73
- [The function of the hypothalamus and its clinical implications] László F. *Orv Hetil* 114:3001-7, 16 Dec 73 (102 ref.) (Hun)
- [Active amine and hypothalamic cyclic AMP] Sato A, et al. *Clin Endocrinol (Tokyo)* 21:1035-8, Oct 73 (Jap)
- [Effect of acute hypothermia on the RNA content of neurons and neuroglia of the hypothalamic supraoptic nucleus] Piven NV, et al. *Fiziol Zh SSSR* 59:237-41, Feb 73 (Eng. Abstr.) (Rus)
- [Functional morphology of the isolated medio-basal hypothalamus in rats] Akmaev IG, et al. *Probl Endocrinol (Mosk)* 19:62-9, Nov-Dec 73 (Eng. Abstr.) (Rus)
- [Experiments on hypothalamic effect on metabolic endocrine processes] Laut A.D. *Fiziol Zh* 19:684-91, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PATHOLOGY

- A hemorrhagic diathesis with involvement of hypothalamus produced in rats by cyclophosphamide. Levine S, et al. *Am J Pathol* 74:171-7, Jan 73
- The primary immune response in rabbits after lesion of the different zones in the medial hypothalamus. Ado A, et al. *Ann Allergy* 31:585-9, Dec 73
- Monoamine fluorescence histochemistry of human post mortem brain. Olson L, et al. *Brain Res* 63:231-47, 7 Dec 73
- Loss of visual placing in rats after lateral hypothalamic microinjections of 6-hydroxydopamine. Sechzer JA, et al. *Exp Neurol* 41:723-37, Dec 73
- [Morphometric characteristics of neurons of the macrocellular secretory nuclei of the hypothalamus and the habenular nucleus of the epithalamus in hypertension and chronic renal hypertension] Postnov IuV, et al. *Kardiologiya* 13:64-70, Jan 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Intracranial self-stimulation in the rat: cable properties of the depolarized membrane. Szabó I, et al. *Acta Physiol Acad Sci Hung* 43:65-70, 1973
- Effect of acute exposure to cold on blood thyrotrophin (TSH) and corticosterone concentrations in the rabbit. Leppäluoto J, et al. *Acta Physiol Scand* 89:423-8, Nov 73
- Colonic motility in the cat. IV. Peripheral pathways mediating the effects induced by hypothalamic and mesencephalic stimulation. Rostad H. *Acta Physiol Scand* 89:154-68, Oct 73
- Colonic motility in the cat. 3. Influence of hypothalamic and mesencephalic stimulation. Rostad H. *Acta Physiol Scand* 89:104-15, Sep 73
- Influence of deafferentation of the medial basal hypothalamus on the sensitivity of the brain to hyperbaric oxygen. Harel D, et al. *Aerosp Med* 44:1223-6, Nov 73
- Hypothalamic neuronal responses to peripheral and deep-body temperatures. Boulant JA, et al. *Am J Physiol* 225:1371-4, Dec 73
- Neurogenic hypercholesterolemia. 3. Cholesterol synthesis, absorption, and clearance. Byers SO, et al. *Am J Physiol* 225:1322-6, Dec 73
- Regulatory deficits after unilateral electrolytic or 6-OHDA lesions of the substantia nigra. Fibiger HC, et al. *Am J Physiol* 225:1282-7, Dec 73
- Cortisol and growth hormone response to surgical stress during morphine anesthesia. Reller CE, et al. *Anesth Analg (Cleve)* 52:1003-10, Nov-Dec 73
- Brain research and violent behavior. A summary and evaluation of the status of biomedical research on brain and aggressive violent behavior. Neuroanatomical and neurophysiologic studies. *Arch Neurol* 30:1-8, Jan 74 (55 ref.)
- Brain research and violent behavior. A summary and evaluation of the status of biomedical research on brain and aggressive violent behavior. Behavioral studies. *Arch Neurol* 30:23-6, Jan 74 (56 ref.)
- Deficits in stimulation-induced feeding after intraventricular administration of 6-hydroxydopamine in rats. Phillips AG, et al. *Behav Biol* 9:749-54, Dec 73
- Cardiovascular responses elicited by fastigial and hypothalamic stimulation in conscious cats. Achari NK, et al. *Brain Res* 60:439-47, 12 Oct 73
- Failure of catecholamine development following unilateral diencephalic lesions in the neonatal rat. Erinoff L, et al. *Brain Res* 58:489-93, 30 Aug 73
- Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats. Inselman-Temkin BR, et al. *Brain Res* 60:393-410, 12 Oct 73
- The effects of tooth pulp stimulation in the thalamus and hypothalamus of the rat. Shigenaga Y, et al. *Brain Res* 63:402-7, 7 Dec 73
- Simultaneous stimulation of the subcortical systems governing agonistic behaviour. Sierra G, et al. *Brain Res* 63:111-21, 7 Dec 73
- Differences in reward value of hypothalamic brain stimulation in "exploratory" and "non-exploratory" rats. Phillips AG, et al. *Can J Psychol* 27:428-40, Dec 73
- Preliminary studies on the functional relationships between the pineal, hypothalamus and adenohypophysis using bovine tissues in organ culture. Hayes MM, et al. *Cent Afr J Med* 19:193-4, Sep 73

NEUROENDOCRINOLOGY

- On central control of body fluid homeostasis. Andersson B, et al. *Cond Reflex* 8:147-59, Jul-Sep 73
- Neurogenic ECG changes in critically ill patients: an experimental model. Rogers MC, et al. *Crit Care Med* 1:192-6, Jul-Aug 73
- Stimulation of diencephalon: effect on multi-unit discharge rate of hypothalamic neurons and on the EEG in rabbits. Schulz H, et al. *Endocrinol Exp (Bratisl)* 7:251-65, 1973
- Possible role of the medial basal prechiasmatic area in the release of LH and prolactin in rats. Kawakami M, et al. *Endocrinol Jap* 20:335-44, Jun 73
- The role of telencephalic dopaminergic systems in the mediation of apomorphine-stereotyped behaviour. Costall B, et al. *Eur J Pharmacol* 24:8-24, Oct 73
- Effects of clonidine and L-dopa on spontaneous and evoked splanchnic nerve discharges. Sinha JN, et al. *Eur J Pharmacol* 24:113-9, Oct 73
- Limbic projections to the ventromedial hypothalamus of the opossum. Culbertson JL, et al. *Exp Neurol* 41:683-9, Dec 73
- The onset of puberty. Indian J Pediatr 40:200-1, May 73
- Some effects of continuous and pulsating electric fields on brain wave activity in rats. Lott JR, et al. *Int J Biometeorol* 17:221-5, Sep 73
- Specific preference for hypothalamic cooling. Corbit JD, et al. *J Comp Physiol Psychol* 86:24-7, Jan 74
- Persisting deficits in rats "recovered" from transections of fibers which enter or leave hypothalamus laterally. Grossman SP, et al. *J Comp Physiol Psychol* 85:515-27, Dec 73
- Refractory period of hypothalamic thirst pathway in the rat. Hu JW. *J Comp Physiol Psychol* 85:463-8, Dec 73
- Sensorimotor functions of the striatopallidal system and lateral hypothalamus and consummatory behavior in rats. Levine MS, et al. *J Comp Physiol Psychol* 85:615-35, Dec 73
- Self-stimulation of noradrenergic cell group (A6) in locus coeruleus of rats. Ritter S, et al. *J Comp Physiol Psychol* 85:443-52, Dec 73
- Food motivation and body weight levels in hypothalamic hyperphagic rats: a dual lipostat model of hunger and appetite. Sclafani A, et al. *J Comp Physiol Psychol* 86:28-46, Jan 74
- Cholinergic and beta-adrenergic compounds in the control of drinking behavior in the rat. Singer G, et al. *J Comp Physiol Psychol* 85:453-62, Dec 73
- Unit activity in the paraventricular nucleus of female rats at different stages of the reproductive cycle and after ovariectomy, with or without oestrogen or progesterone treatment. Negoro H, et al. *J Endocrinol* 59:545-58, Dec 73
- Reflex activation of paraventricular nucleus units during the reproductive cycle and in ovariectomized rats treated with oestrogen or progesterone. Negoro H, et al. *J Endocrinol* 59:559-67, Dec 73
- Proceedings: Unit activity in the supra-optic nucleus during reflex milk ejection. Wakerley JB, et al. *J Endocrinol* 59:xlvi-xlvii, Nov 73
- Activity changes in rat hypothalamus, preoptic area, and striatum associated with Pavlovian conditioning. Linseman MA, et al. *J Neurophysiol* 36:1038-50, Nov 73
- Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
- Effect of tricyclic antidepressants on attack elicited by hypothalamic stimulation: relation to brain biogenic amines. Dubinsky B, et al. *J Pharmacol Exp Ther* 187:550-7, Dec 73
- Proceedings: Stimulation of rat hypothalamus in vitro. Bradbury MW, et al. *J Physiol (Lond)* 234:74P-75P, Oct 73
- Effects of thermal stimulation of medulla oblongata and spinal cord on decerebrate rabbits. Chal CY, et al. *J Physiol (Lond)* 234:409-19, Oct 73
- Proceedings: Dopamine neurones and electrical self-stimulation in the lateral hypothalamus. Christie JE, et al. *J Physiol (Lond)* 234:80P-81P, Oct 73
- An electrophysiological dissection of the hypothalamic regions which regulate the pre-ovulatory secretion of luteinizing hormone in the rat. Dyer RG. *J Physiol (Lond)* 234:421-42, Oct 73
- Activity of magnocellular neuroendocrine cells in the hypothalamus of unanaesthetized monkeys. II. Osmosensitivity of functional cell types in the supraoptic nucleus and the internuclear zone. Hayward JN, et al. *J Physiol (Lond)* 232:545-72, Aug 73
- Hyperthermia in self-stimulating dogs. Demblinska M. *J Physiol (Paris)* 66:163-70, 1973
- Ventral hypothalamic lesions block the consumption of morphine in rats. Amit Z, et al. *Life Sci* 13:805-16, 1 Oct 73
- Correlation between altered acetate utilization and hyperphagia in rats with ventromedial hypothalamic lesions. Lovo A, et al. *Metabolism* 22:1459-65, Dec 73
- Neural dopaminergic vasodilator control in the kidney. Bell C, et al. *Nature [New Biol]* 246:27-9, 7 Nov 73
- A comparison of the pituitary adrenal activity elicited by electrical stimulation of preoptic, amygdaloid and hypothalamic sites in the rat brain. Redgate ES, et al. *Neuroendocrinology* 12:334-43, 1973
- Plasticity of function of hypothalamic glucoreceptors. Kotliar BI, et al. *Neurosci Behav Physiol* 6:34-43, Jan-Mar 73
- Reduced cardiovascular responsiveness to hypothalamic stimulation during urethane and amobarbital anesthesia. Buñag RD, et al. *Pharmacology* 10:143-51, 1973
- Effects of electrical stimulation of the brain on the formation of acute gastric lesions. Frelmark SJ. *Physiol Behav* 11:855-9, Dec 73
- Dependence of the anterior olfactory area self-stimulation upon the lateral hypothalamic area. Nakajima S, et al. *Physiol Behav* 11:827-31, Dec 73
- Hydration releases inhibition of feeding produced by intracranial angiotensin. Rolls RJ, et al. *Physiol Behav* 11:881-4, Dec 73
- Discrimination and conditioning of photic evoked cortical macropotentials in the albino rat. Rosenfeld JP, et al. *Physiol Behav* 11:753-65, Dec 73
- Deficits in glucose appetite and satiety produced by ventromedial hypothalamic lesions in the rat. Sclafani A. *Physiol Behav* 11:771-80, Dec 73
- Zona incerta lesions: disruption of regulatory water intake. Walsh LL, et al. *Physiol Behav* 11:885-7, Dec 73
- The pathogenesis of neurogenic hypercholesterolemia. V. Relationship to hepatic catabolism of cholesterol. Friedman M, et al. *Proc Soc Exp Biol Med* 144:917-22, Dec 73
- Cardiovascular function in the mammalian foetus. Rudolph AM, et al. *S Afr Med J* 47:1859-63, 13 Oct 73
- Psychosomatic self-regulation of migraine headaches. Sargent JD, et al. *Semin Psychiatry* 5:415-28, Nov 73
- [On acting out. (Dynamic and neurophysiological aspects)] Moama' N. *Vie Med Can Fr* 2:812-4, Sep 73 (Fre)
- [Influence of hypothalamic lesions on the A-B-relation in the insular organ of the rat] Weibb I, et al. *Endokrinologie* 61:228-36, May 73 (Ger)
- [Use of the TSH releasing hormone in examination of the hypothalamo-hypophyseal-thyroid system] Policzer M, et al. *Z Aerzt Fortbild (Jena)* 67:872-5, 1 Sep 73 (Ger)
- [Electroencephalography in male sterility] Zilberman A, et al. *Harefuah* 85:306-7, 1 Oct 73 (Eng. Abstr.) (Heb)
- [The function of the hypothalamus and its clinical implications] László F. *Orv Hetil* 114:3001-7, 16 Dec 73 (102 ref.) (Hun)
- [Transmission of hypothalamic hormones to the anterior part of the hypophysis in mammals] Domański E. *Endokrynol Pol* 24:337-54, Sep-Oct 73 (Pol)
- [Karyometric studies on the supraoptic and paraventricular nuclei in the sexual cycle] Karmański J, et al. *Endokrynol Pol* 24:301-6, Jul-Aug 73 (Eng. Abstr.) (Pol)
- [Mechanism of formation of multiplication of cortical evoked potential to photic stimulation] Makarenko GN. *Dokl Akad Nauk SSSR* 213:492-5, 11 Nov 73 (Rus)
- [Analysis of neuroendocrine effects of the posterior hypothalamus on the dynamics of specific defense reactions in rabbits] Shkhinek EK, et al. *Fiziol Zh SSSR* 59:228-36, Feb 73 (Rus)
- [Renal component of the antigravity function of the organism] Belkanlia GS. *Kosm Biol Med* 6:8-13, Nov-Dec 72 (60 ref.) (Eng. Abstr.) (Rus)
- [Influence of hypothalamus on intraocular pressure, hydrodynamics of the eye and trophic processes and in the apparatus of aqueous chamber secretion] Shaposhnikova NF. *Oftalmol Zh* 28:442-6, 1973 (Eng. Abstr.) (Rus)
- [An analysis of the participation of cholinergic mechanism in the formation of a memory trace] Il'uchenok RIu. *Zh Vyssh Nerv Delat* 23:315-22, Mar-Apr 73 (Eng. Abstr.) (Rus)
- [Various concepts and current observations on the

NEUROENDOCRINOLOGY

- neurohumoral control of prolactin secretion in mammals] Valverde C.
Rev Invest Clin 25:267-85, Jul-Sep 73 (81 ref.) (Eng. Abstr.) (Spa)
 [Limbic and hypothalamic regulation of the digestive tract functions and food-water intake] Bogach PG.
Fiziol Zh 19:608-16, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Electrophysiological study of the role of the amygdaloid complex in the regulation of the feeding behavior of dogs] Botach PG, et al.
Fiziol Zh 19:617-24, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Reaction of the anterior hypothalamic nuclei on the effect of hypoxia] Gerzanich II.
Fiziol Zh 19:667-74, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Effect of stimulation of different hypothalamic structures on blood pressure in the systemic and pulmonary circulation] Guln'-Van-Tam, et al.
Fiziol Zh 19:642-53, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Neurohumoral pathways of hypothalamic influences in experimental stomach and duodenal ulcer] Kosenko AF.
Fiziol Zh 19:625-9, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [The role of the hypothalamus in the regulation of vegetative and cortical functions] Makarchenko OF.
Fiziol Zh 19:579-85, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Hypothalamic mechanism of compensatory hypertrophy of the endocrine glands] Novikov BG, et al.
Fiziol Zh 19:654-60, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [The role of the posterior hypothalamus chemoreceptors in changes in the thermal stability of blood proteins] Roftruh BA, et al.
Fiziol Zh 19:601-7, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Reticulo-hypothalamic effects on the activity of the optic cortical neurons in rabbits] Vellka RR.
Fiziol Zh 19:593-600, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Dependence of the effect of conditioned reflex on the intensity and duration of the stimulation of the hypothalamus] Vozna AG, et al.
Fiziol Zh 19:630-6, Sep-Oct 73 (Eng. Abstr.) (Ukr)
 [Physiological characteristics of the chemoreceptor structures of the posterior hypothalamus] Zlatin RS.
Fiziol Zh 19:586-92, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PHYSIOPATHOLOGY

- Differential autonomic control of regional circulatory reflexes evoked by thermal stimulation and by hypoxia. Irikli M, et al.
Aust J Exp Biol Med Sci 51:283-93, Jun 73
 Investigation of the rapid recovery of rat thermoregulation from soman poisoning. Meeter E.
Eur J Pharmacol 24:105-7, Oct 73
 Plasma growth hormone in coeliac disease.
 Vanderschueren-Lodeweyckx, et al.
Helv Paediatr Acta 28:349-57, Oct 73
 [Proof of increased hypothalamic activity] Mosonyi L, et al.
Wien Z Inn Med 54:114-9, 1973 (Eng. Abstr.) (Ger)
 [The function of the hypothalamus and its clinical implications] László F.
Orv Hetil 114:3001-7, 16 Dec 73 (102 ref.) (Hun)
 [Functional state of the hypothalamo-hypophyseal-adrenal system in chronic inflammation of the female sex organs] Kuprilanova EM, et al.
Akush Ginekol (Mosk) 49:6-8, Mar 73 (Eng. Abstr.) (Rus)
 [Functional state of the hypothalamo-hypophyseal-adrenal system in minor chorea] Gittik LS. *Sov Med* 36:105-10, Apr 73 (Rus)
 [Mechanism of the therapeutic action of inductothermy, and potassium electrophoresis in viral hepatitis in children] Gromova VN, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 38:430-4, 1973 (Rus)
 [Thyroid pathology of hypothalamic origin] Muñóz M, et al.
Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)
 [Role of the hypothalamus in the regulation of muscle tonus] Dinahurg GD, et al.
Fiziol Zh 19:875-83, Sep-Oct 73 (Eng. Abstr.) (Ukr)

RADIATION EFFECTS

- The influence of low-energy X-irradiation on neurosecretory activity in the hypothalamus of mice.
 Lach H, et al. *Folia Biol (Krakow)* 21:313-8, 1973

SECRETION

- Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Eggens P, et al. *Endocrinology* 91:35-44, Jan 74
 Degeneration and regeneration of neurosecretory systems. Dellmann HD.
Int Rev Cytol 36:215-315, 1973 (153 ref.)
 Proceedings: Calcium dependent release of hypophysiotropic substances from nerve-endings (synaptosomes) isolated from the hypothalamus. Bennett GW, et al. *J Endocrinol* 59:xv-xvi, Nov 73
 Proceedings: Stimulation of rat hypothalamus in vitro. Bradbury MW, et al.
J Physiol (Lond) 234:74P-75P, Oct 73
 Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Kalra SP, et al.
Neuroendocrinology 12:321-33, 1973
 [The function of the hypothalamus and its clinical implications] László F.
Orv Hetil 114:3001-7, 16 Dec 73 (102 ref.) (Hun)
 [Site of synthesis of polypeptide-coherin-exerting an influence on intestinal motility] Galasífska-Pomykol I, et al.
Endokrynol Pol 24:429-45, Nov-Dec 73 (Eng. Abstr.) (Pol)
 [Thyroid pathology of hypothalamic origin] Muñóz M, et al.
Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

NEUROSECRETORY SYSTEMS

- Comparative studies in crustacean neurosecretory hyperglycemic hormones. I. The initial survey. Kleinholz LH, et al.
Gen Comp Endocrinol 21:554-64, Dec 73

CYTOLOGY

- Effect of some neuropharmacologic drugs on the supraoesophageal neurosecretory cells of *Periplaneta americana*. Nanda DK.
Folia Biol (Krakow) 21:329-33, 1973
 Identification of adenohypophysiotropic neurohormone producing neurosecretory cells in *Rana temporaria*. II. Identification, in the median eminence, of the terminal arborizations of axons of the tubero-hypophysial neurosecretory system. Dierckx K, et al.
Z Zellforsch Mikrosk Anat 142:479-513, 1973
 [Electron microscopic study of large areas of neurosecretory fibers (Herring bodies) in the posterior lobe of the hypophysis of intact rats] Ugrumov MV.
Arkiv Anat Gistol Embriol 64:73-9, May 73 (Eng. Abstr.) (Rus)

DRUG EFFECTS

- [Age-related characteristics of reactions to hydrogen sulfide based on its blood level, changes in arterial pressure and respiration] Kaplun Sia, et al.
Fiziol Zh 19:328-32, May-Jun 73 (Eng. Abstr.) (Ukr)

PATHOLOGY

- [Histologic-histochemical studies of the effect of vibration on the cerebral neurosecretory system] Marks E.
Endokrynol Pol 24:291-300, Jul-Aug 73 (Eng. Abstr.) (Pol)
 [Morphometric characteristics of neurons of the macrocellular secretory nuclei of the hypothalamus and the habenular nucleus of the epithalamus in hypertension and chronic renal hypertension] Postnov IuV, et al.
Kardiologiya 13:64-70, Jan 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

- Stimulation of diencephalon: effect on multi-unit discharge rate of hypothalamic neurons and on the EEG in rabbits. Schulz H, et al.
Endocrinol Exp (Bratisl) 7:251-65, 1973
 Neuroendocrine control of calcium levels in the blood of *Ariophanta semirugata* a terrestrial pulmonate

- snail. Suhrmanyam OV.
Endocrinol Exp (Bratisl) 7:315-7, 1973
Yolk protein synthesis in the ovary of *Octopus vulgaris* and its control by the optic gland gonadotropin. O'Dor RK, et al. *J Exp Biol* 59:665-74, Dec 73
[Reaction of the anterior hypothalamic nuclei on the effect of hypoxia] Gerzanich II.
Fiziol Zh 19:667-74, Sep-Oct 73 (Eng. Abstr.) (Ukr)
[Neurohumoral pathways of hypothalamic influences in experimental stomach and duodenal ulcer] Kosenko AF.
Fiziol Zh 19:625-9, Sep-Oct 73 (Eng. Abstr.) (Ukr)
[The role of the hypothalamus in the regulation of vegetative and cortical functions] Makarchenko OF.
Fiziol Zh 19:579-85, Sep-Oct 73 (Eng. Abstr.) (Ukr)
[Effect of the destruction of the reticular formation of the mesencephalon on the hypothalamo-hypophyseal neurosecretory system] Vashenko OA.
Fiziol Zh 19:661-6, Sep-Oct 73 (Eng. Abstr.) (Ukr)

PINEAL BODY

- Primary intracranial choriocarcinoma in the pineal region, a case report and review of the literatures. Tabuchi K, et al. *Acta Med Okayama* 27:125-32, Aug 73
Localization of a sheep pineal antigonadotropin. Ehels I, et al. *Anal Biochem* 56:546-65, Dec 73
The onset of puberty. *Indian J Pediatr* 40:200-1, May 73
[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Piechowiak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)
[Differential diagnosis in Simmonds' syndrome] Brzecki A, et al.
Pol Tyg Lek 28:1820-2, 12 Nov 73 (Eng. Abstr.) (Pol)
[Effect of epiphyseal extracts in lowering the threshold sensitivity of the hypothalamo-hypophyseal system of old female rats to the action of estrogens] Anisimov VN, et al.
Dokl Akad Nauk SSSR 213:483-5, 11 Nov 73 (Rus)

ANALYSIS

- Rat pineal free amino acids diurnal rhythm and effect of light. Nir I, et al.
Arch Int Physiol Biochim 81:617-27, Oct 73
Micro-disc electrophoresis of rat pineal proteins diurnal rhythm and effect of light. Nir I, et al.
Arch Int Physiol Biochim 81:607-16, Oct 73
Serotonin content in the pineal gland of the antarctic penguin (*Pygoscelis papua*). De Gallardo MG, et al.
Gen Comp Endocrinol 21:468-71, Dec 73
Postsynaptic adrenergic-cyclic AMP control of the serotonin content of cultured rat pineal glands. Klein DC, et al. *J Neurochem* 21:1261-71, Nov 73
[Monoamines in the pineal organ and the parietal eye of *Lacerta vivipara*. A fluorescence microscopic and microspectrofluorometric study (author's transl)] Meinel A, et al.
Z Zellforsch Mikrosk Anat 144:89-115, 30 Oct 73 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

- [The pineal organ. Anatomy, metabolism, physiology and clinical picture] Piechowiak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)

BLOOD SUPPLY

- [Radiologic, micrographic and anatomical study of intracranial calcifications considered normal in radiologic diagnosis] Collard M, et al.
J Belge Radiol 56:291-6, Jul-Aug 73 (Eng. Abstr.) (Fre)

CYTOLOGY

- Structural changes of the pineals of blinded rats fed long term. Satodate R, et al.
Experientia 29:1414-5, 15 Nov 73
Transformation of centrioles in pinealocytes of adult guinea pigs. Lin HS. *J Neurocytol* 1:61-8, Jul 72
Uptake of estradiol by the rat pineal organ. Effects of cervical sympathectomy, stage of the estrous cycle and estradiol treatment. Nagle CA, et al.
Life Sci 13:1089-103, 16 Oct 73
CSF contacting axons and synapses in the lumen of the pineal organ. Vigh-Teichmann I, et al.
Z Zellforsch Mikrosk Anat 144:139-52, 30 Oct 73

- [The pineal organ of the male hedgehog (*Erinaceus europaeus* L.). I. Ultrastructural variations occurring in pinealocytes during the sexual cycle (author's transl)] Pevet P, et al.
Z Zellforsch Mikrosk Anat 143:367-85, 18 Oct 73 (Eng. Abstr.) (Fre)

DRUG EFFECTS

- Uptake of estradiol by the rat pineal organ. Effects of cervical sympathectomy, stage of the estrous cycle and estradiol treatment. Nagle CA, et al.
Life Sci 13:1089-103, 16 Oct 73
In vivo and in vitro effects of X-irradiation and histamine-PO₄ on rat and bovine pineal HIOMT activity and melatonin synthesis. Rills LC, et al.
Life Sci 13:835-45, 1 Oct 73
[Role of the pineal gland in endocrine regulation] Antón Tay F.
Rev Invest Clin 25:199-210, Jul-Sep 73 (Eng. Abstr.) (Spa)

EMBRYOLOGY

- [Monoamines in the pineal organ and the parietal eye of *Lacerta vivipara*. A fluorescence microscopic and microspectrofluorometric study (author's transl)] Meinel A, et al.
Z Zellforsch Mikrosk Anat 144:89-115, 30 Oct 73 (Eng. Abstr.) (Fre)

ENZYMOLGY

- Dark induced increase in pineal serotonin N-acetyltransferase activity: a refractory period. Binkley SA, et al. *Experientia* 29:1339-40, 15 Nov 73
Postsynaptic adrenergic-cyclic AMP control of the serotonin content of cultured rat pineal glands. Klein DC, et al. *J Neurochem* 21:1261-71, Nov 73
Letter: The activation of pineal hydroxyindole-O-methyltransferase by psychotomimetic drugs. Hartley R, et al.
J Pharm Pharmacol 25:751-2, Sep 73
Effect of light and darkness on pineal hydroxyindole-O-methyl transferase (HIOMT) in Japanese quail. Olsh T, et al.
Life Sci 13:1105-16, 16 Oct 73
In vivo and in vitro effects of X-irradiation and histamine-PO₄ on rat and bovine pineal HIOMT activity and melatonin synthesis. Rills LC, et al.
Life Sci 13:835-45, 1 Oct 73
[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Piechowiak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)

GROWTH & DEVELOPMENT

- Transformation of centrioles in pinealocytes of adult guinea pigs. Lin HS. *J Neurocytol* 1:61-8, Jul 72
Effect of light and darkness on pineal hydroxyindole-O-methyl transferase (HIOMT) in Japanese quail. Olsh T, et al.
Life Sci 13:1105-16, 16 Oct 73

METABOLISM

- Pineal influence on the Harderian glands of female golden hamsters. Clahough JW, et al.
Anat Rec 178:119-25, Jan 74
Rat pineal free amino acids diurnal rhythm and effect of light. Nir I, et al.
Arch Int Physiol Biochim 81:617-27, Oct 73
Micro-disc electrophoresis of rat pineal proteins diurnal rhythm and effect of light. Nir I, et al.
Arch Int Physiol Biochim 81:607-16, Oct 73
Diurnal rhythm in serotonin of blood and pineals of chickens. Meyer DC, et al.
Comp Biochem Physiol [A] 46:619-23, 1 Nov 73
Lack of effects of light on the rat pineal in organ culture. Cardinal DP, et al.
Gen Comp Endocrinol 21:573-7, Dec 73
Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. Denef C, et al.
J Endocrinol 59:605-21, Dec 73
Uptake of estradiol by the rat pineal organ. Effects of cervical sympathectomy, stage of the estrous cycle and estradiol treatment. Nagle CA, et al.
Life Sci 13:1089-103, 16 Oct 73
In vivo and in vitro effects of X-irradiation and

histamine-PO4 on rat and bovine pineal HIOMT activity and melatonin synthesis. Rills LC, et al. *Life Sci* 13:835-45, 1 Oct 73

- [Biosynthesis and metabolism of indolamines in the pineal organ *Lacerta* (reptiles, lacertilians). I. Selective incorporation of 3H-5-HTP and retention of its derivatives in the secretory rudimentary photoreceptor cells (author's transl)] Collin JP, et al. *Z Zellforsch Mikrosk Anat* 142:549-70, 1973 (Eng. Abstr.) (Fre)
[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H. *Dtsch Med Wochenschr* 98:2088-94, 2 Nov 73 (12 ref.) (Ger)

PATHOLOGY

- Structural changes of the pineals of blinded rats fed long term. Satodate R, et al. *Experientia* 29:1414-5, 15 Nov 73
The ultrastructure of "pinealoma". (Seminoma-like tumor of the pineal region). Cravioto H, et al. *J Neuropathol Exp Neurol* 32:552-65, Oct 73

PHYSIOLOGY

- Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabiosed golden hamsters. Seibel HR, et al. *Acta Endocrinol (Kbh)* 74:434-48, Nov 73
Pineal influence on the Harderian glands of female golden hamsters. Clabough JW, et al. *Anat Rec* 178:119-25, Jan 74
Preliminary studies on the functional relationships between the pineal, hypothalamus and adenohypophysis using bovine tissues in organ culture. Hayes MM, et al. *Cent Afr J Med* 19:193-4, Sep 73
Pineal gland: evidence for an influence on ethanol preference in male Syrian hamsters. Reiter RJ, et al. *Comp Biochem Physiol [A]* 47:11-6, Jan 74
Resumption of cyclicity in light induced persistent estrus by treatment with serotonin or its precursor. Takahashi M, et al. *Endocrinol Jap* 20:271-6, Jun 73

- Sex-dependent changes in rat retinal hydroxyindole-O-methyl transferase. Nagle CA, et al. *Endocrinology* 91:294-7, Jan 74
Effects of blinding and pinealectomy on diurnal variations in plasma testosterone. Kinson GA, et al. *Experientia* 29:1415-6, 15 Nov 73
Effect of pinealectomy on the tritlated serotonin uptake of the adrenal medulla. Baráth P, et al. *Horm Metab Res* 5:466-70, Nov 73
Effect of sodium deprivation and pinealectomy on pituitary and plasma prolactin in the rat. Reiklin R. *J Endocrinol* 59:383-4, Nov 73
Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
Effects of castration, binding, and the pineal gland on the Harderian glands of the male golden hamster. Clabough JW, et al. *Neuroendocrinology* 12:344-53, 1973
Central corticotropin inhibition by arginine vasotocin in the mouse. Pavel S, et al. *Neuroendocrinology* 12:371-5, 1973
[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H. *Dtsch Med Wochenschr* 98:2088-94, 2 Nov 73 (12 ref.) (Ger)
[Role of the pineal gland in endocrine regulation] Antón Tay F. *Rev Invest Clin* 25:199-210, Jul-Sep 73 (Eng. Abstr.) (Spa)

RADIATION EFFECTS

- In vivo and in vitro effects of X-irradiation and histamine-PO4 on rat and bovine pineal HIOMT activity and melatonin synthesis. Rills LC, et al. *Life Sci* 13:835-45, 1 Oct 73

SECRETION

- Arginine vasotocin release into cerebrospinal fluid of cats induced by melatonin. Pavel S. *Nature [New Biol]* 246:183-4, 12 Dec 73

NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

PINEALOMA

DIAGNOSIS

[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowlak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.)
(Ger)

PATHOLOGY

The ultrastructure of "pinealoma". (Seminoma-like tumor of the pineal region). Cravito H, et al.
J Neuropathol Exp Neurol 32:552-65, Oct 73

NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN-RELEASING HORMONE

ANTAGONISTS & INHIBITORS

[Short feedback action of ACTH] Takebe K.
Clin Endocrinol (Tokyo) 21:951-4, Sep 73 (Jap)

BIOSYNTHESIS

[The function of the hypothalamus and its clinical implications] László F.
Orv Hetil 114:3001-7, 16 Dec 73 (102 ref.) (Hun)

METABOLISM

Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. Liddle GW. J Endocrinol 59:11-ix, Nov 73

PHYSIOLOGY

[Age peculiarities of the hypothalamic regulation of the hypophyseal-adrenal system in rats] Drhevska IA, et al.
Probl Endokrinol (Mosk) 19:59-62, Nov-Dec 73 (Eng. Abstr.) (Rus)

SECRETION

Proceedings: Calcium dependent release of hypophysiotropic substances from nerve-endings (synaptosomes) isolated from the hypothalamus. Bennett GW, et al. J Endocrinol 59:xv-xvi, Nov 73
Proceedings: Stimulation of rat hypothalamus in vitro. Bradbury MW, et al.
J Physiol (Lond) 234:74P-75P, Oct 73
[On the existence of a fast-acting negative feedback control of ACTH-corticotesterone secretion (author's transl)] Bucher B, et al.
J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)
[Adrenocortical insufficiency as a result of isolated corticotropin-releasing hormone (CRH) deficiency (author's transl)] Fehm HL, et al.
Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Eng. Abstr.) (Ger)

LH-FSH RELEASING HORMONE

Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). Griffiths EC, et al.
Acta Endocrinol (Kbh) 74:49-55, Sep 73
Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.
Biochem Biophys Res Commun 55:823-9, 10 Dec 73
Production and characterization of an antiserum to synthetic gonadotropin-releasing hormone. Koch Y, et al.
Biochem Biophys Res Commun 55:816-22, 10 Dec 73
[Symposium of "releasing factors"] Bergsjo P.
Tidsskr Nor Laegeforen 93:2052-5, 30 Sep 73 (Nor)

ADMINISTRATION & DOSAGE

Effect of consecutive administration with synthetic LH-RH-FSH-RH on LH and FSH release, and on urinary steroids excretion. Seki M, et al.
Acta Obstet Gynaecol Jap 19:179-84, Jul 72
Effect of a synthetic gonadotropin-releasing hormone on plasma concentrations of luteinizing hormone in ponies. Ginther OJ, et al. Am J Vet Res 35:79-81, Jan 74
Induction of ovulation in pigs with gonadotrophin releasing hormone. Baker RD, et al.
J Anim Sci 37:1376-9, Dec 73
Effect of luteinizing hormone-releasing factor on Leydig cell function. Judd HL, et al.
J Clin Endocrinol Metab 38:8-13, Jan 74

Ovarian development and ovulation in hens treated with synthetic (porcine) luteinizing hormone releasing hormone-follicle stimulating hormone releasing hormone (LH-RH-FSH-RH). Reeves JJ, et al.
Poult Sci 52:1883-6, Sep 73

[The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solhach HG, et al.
Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)

[Possibilities for clinical use of synthetic LH-releasing hormone in gynecology] Groot-Wassink K, et al.
Zentralbl Gynaekol 95:1010-8, 27 Jul 73 (Eng. Abstr.) (Ger)

ANALYSIS

Direct sequence determination of ovine luteinizing hormone releasing factor by mass spectrometry. Ling N, et al. Biochemistry 12:5305-10, 18 Dec 73
Proceedings: Radioimmunoassay of luteinizing hormone releasing hormone in blood and urine. Jeffcoat SL, et al. J Endocrinol 59:xii, Nov 73
Proceedings: An in-vitro method for the assay of luteinizing hormone releasing factor. Pickering BT.
J Endocrinol 59:xi-xii, Nov 73
The hypothalamic-pituitary-testicular function of the old rat. Peng MT, et al.
J Formosan Med Assoc 72:495-502, Sep 73
Pituitary luteinizing hormone and follicle stimulating hormone concentrations and stalk-median eminence luteinizing hormone-releasing factor and follicle stimulating hormone-releasing factor levels of old female rats. Pl WP, et al.
J Formosan Med Assoc 72:485-94, Sep 73
Synthetic luteinizing hormone releasing factor. Short chain analogs. Rivier J, et al.
J Med Chem 17:230-3, Feb 74

ANTAGONISTS & INHIBITORS

Ovulation blockade in rats by rabbit anti-luteinizing hormone releasing factor serum. Makino T, et al.
Contraception 8:133-45, Aug 73

BIOSYNTHESIS

[The function of the hypothalamus and its clinical implications] László F.
Orv Hetil 114:3001-7, 16 Dec 73 (102 ref.) (Hun)

BLOOD

Simultaneous determination of luteinizing hormone and luteinizing hormone releasing hormone in the jugular venous blood of the sheep at oestrus. Crighton DB, et al. J Endocrinol 59:373-4, Nov 73
Detection of luteinizing hormone releasing hormone in the peripheral blood of the rat on the afternoon of pro-oestrus. Fraser HM, et al.
J Endocrinol 59:375-6, Nov 73

CHEMICAL SYNTHESIS

Synthesis and biological properties of (2-L-beta-(pyrazolyl-3)alanine)-luteinizing hormone-releasing hormone. Coy DH, et al.
J Med Chem 17:140-2, Jan 74
Synthetic luteinizing hormone releasing factor. Short chain analogs. Rivier J, et al.
J Med Chem 17:230-3, Feb 74
[Chemical structure and synthesis of LH-RH] Yanahara N.
Clin Endocrinol (Tokyo) 21:885-91, Sep 73 (29 ref.) (Jap)

NEUROENDOCRINOLOGY

DIAGNOSTIC USE

- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al. *J Clin Endocrinol Metab* 38:58-63, Jan 74
- Proceedings: Studies on synthetic LH-FSH-releasing hormone. Newton J, et al.
- J Reprod Fertil* 35:622-3, Dec 73
- Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Shlral M, et al.
- Tohoku J Exp Med* 110:347-57, Aug 73
- [The diagnostic significance of synthetic LH-RH (luteinizing hormone-releasing hormone) in evaluating gonadotropic pituitary function (author's transl)] Solbach HG, et al.
- Dtsch Med Wochenschr* 98:2114-9, 9 Nov 73 (Eng. Abstr.) (Ger)
- [LH-RH test in diencephalon-pituitary diseases] Hashimoto T, et al.
- Clin Endocrinol (Tokyo)* 21:925-33, Sep 73 (Jap)
- [LH-RH test in urologic diseases: significance of LH-RH test in the field of urology] Isurugi K.
- Clin Endocrinol (Tokyo)* 21:921-4, Sep 73 (Jap)
- [Synthetic LH-RH tolerance test for children] Nimi H, et al. *Clin Endocrinol (Tokyo)* 21:969-73, Sep 73 (Jap)

ISOLATION & PURIFICATION

- [Discovery of gonadotropin releasing factor (LH-RF, FSH-RF) and history of its research] Igarashi M, et al.
- Clin Endocrinol (Tokyo)* 21:875-84, Sep 73 (Jap)

METABOLISM

- [Examination of the pituitary-gonadal function ring using the synthetic LH-releasing hormone in patients with hypogonadism before and during therapy] Wagner H, et al. *Med Welt* 24:1537-9, 5 Oct 73 (Ger)

PHARMACODYNAMICS

- Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). Griffiths EC, et al.
- Acta Endocrinol (Kbh)* 74:49-55, Sep 73
- A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al.
- Acta Endocrinol (Kbh)* 74:842-58, Dec 73
- Effect of consecutive administration with synthetic LH-RH-FSH-RH on LH and FSH release, and on urinary steroids excretion. Seki M, et al.
- Acta Obstet Gynaecol Jap* 19:179-84, Jul 72
- Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome. Aono T, et al.
- Am J Obstet Gynecol* 117:1046-52, 15 Dec 73
- Effect of a synthetic gonadotropin-releasing hormone on plasma concentrations of luteinizing hormone in ponies. Glinther OJ, et al. *Am J Vet Res* 35:79-81, Jan 74
- The mechanism of the stimulation of LH production by synthetic LH-releasing hormone (LH-RH) in tissue culture. Ishikawa H, et al.
- Biochem Biophys Res Commun* 55:492-8, 16 Nov 73
- Effect of pregnancy on the LH response to synthetic gonadotropin-releasing hormone in the ewe. Chamley WA, et al. *Endocrinology* 91:291-3, Jan 74
- Testosterone secretion by rabbit ovary in vivo. Hilliard J, et al. *Endocrinology* 91:267-71, Jan 74
- Induction of ovulation in pigs with gonadotropin releasing hormone. Baker RD, et al.
- J Anim Sci* 37:1376-9, Dec 73
- Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and hilar estrogens, including studies in pruritus gravidarum. Adiercreutz H, et al. *J Clin Endocrinol Metab* 38:51-7, Jan 74
- Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al. *J Clin Endocrinol Metab* 38:58-63, Jan 74
- The effect of synthetic luteinizing hormone-releasing factor on plasma LH levels in pituitary disease. Coscia AM, et al. *J Clin Endocrinol Metab* 38:83-8, Jan 74
- Effect of luteinizing hormone-releasing factor on Leydig cell function. Judd HL, et al.
- J Clin Endocrinol Metab* 38:8-13, Jan 74

- Proceedings: The effect of synthetic luteinizing hormone releasing factor on plasma levels of luteinizing hormone in the domestic fowl.
- Cunningham FJ, et al. *J Endocrinol* 59:xiv-xv, Nov 73
- The effect of synthetic hypothalamic releasing factors on plasma levels of luteinizing hormone in the cockerel. Furr BJ, et al.
- J Endocrinol* 59:495-502, Dec 73
- Proceedings: Gonadotrophin secretion in lactating women: response to luteinizing hormone releasing hormone-follicle-stimulating hormone releasing hormone in the puerperium. Jequier AM, et al.
- J Endocrinol* 59:xiv, Nov 73
- Proceedings: Effect of sex steroids on the pituitary responsiveness to synthetic luteinizing hormone releasing hormone in the male dog. Jones GE, et al.
- J Endocrinol* 59:xv, Nov 73
- Proceedings: Effects of luteinizing hormone releasing hormone given intranasally. London DR, et al.
- J Endocrinol* 59:13-4, Nov 73
- Proceedings: Asynchronous pulsatile luteinizing hormone and follicle-stimulating hormone responses during luteinizing hormone-follicle-stimulating hormone releasing hormone and thyroid-stimulating hormone releasing hormone infusions. Mortimer CH, et al. *J Endocrinol* 59:12-3, Nov 73
- Synthesis and biological properties of (2-L-heta-(pyrazolyl-3)alanine)-luteinizing hormone-releasing hormone. Coy DE, et al.
- J Med Chem* 17:140-2, Jan 74
- Synthetic luteinizing hormone releasing factor. Short chain analogs. Rivier J, et al.
- J Med Chem* 17:230-3, Feb 74
- Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. Alyer MS, et al.
- J Physiol (Lond)* 234:81P-82P, Oct 73
- Proceedings: The responses of the ram to synthetic luteinizing hormone releasing factor (LH-RH) injection. Galloway DB. *J Reprod Fertil* 35:601, Dec 73
- Proceedings: Decrease of pituitary responsiveness to LH-RH in castrated rams pretreated with testosterone propionate. Pelletier J.
- J Reprod Fertil* 35:601-2, Dec 73
- Ovarian development and ovulation in hens treated with synthetic (porcine) luteinizing hormone releasing hormone-follicle stimulating hormone releasing hormone (LH-RH-FSH-RH). Reeves JJ, et al.
- Poult Sci* 52:1883-6, Sep 73
- Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Colomho JA, et al.
- Proc Soc Exp Biol Med* 144:1002-5, Dec 73
- In vivo and in vitro effects of synthetic luteinizing hormone-releasing hormone (LH-RH) upon the secretion of luteinizing hormone (LH) and follicle stimulating hormone (FSH) in intact and castrated, fed and starved adult male rats. Root AW, et al.
- Proc Soc Exp Biol Med* 144:30-3, 1 Oct 73
- Potentiation of luteinizing hormone-releasing factor activities following pentobarbital anesthesia in the steroid-hocked castrated rat. Wedig JH, et al.
- Proc Soc Exp Biol Med* 144:993-8, Dec 73
- Induction of ovulation rats treated neonatally with androgen. Ying SY.
- Proc Soc Exp Biol Med* 144:822-5, Dec 73
- [Release of luteinizing hormone (LH) by luteinizing hormone releasing hormone (LH-RH) in the sheep] Seeger K, et al.
- Beri Munch Tierarztl Wochenschr* 86:407-9, 1 Nov 73 (Eng. Abstr.) (Ger)
- [Possibilities for clinical use of synthetic LH-releasing hormone in gynecology] Groot-Wassink K, et al.
- Zentralbl Gynaekol* 95:1010-8, 27 Jul 73 (Eng. Abstr.) (Ger)
- [Change in ultrastructure of the pituitary gland induced by administration of LH-RH] Ban T, et al.
- Clin Endocrinol (Tokyo)* 21:905-11, Sep 73 (Jap)
- [Mechanism of action of LH-RH] Kaneko T.
- Clin Endocrinol (Tokyo)* 21:893-6, Sep 73 (17 ref.) (Jap)
- [LH-RH tolerance test in women with normal menstrual cycle and those with ovulatory disorder] Kurachi K, et al.
- Clin Endocrinol (Tokyo)* 21:913-9, Sep 73 (Jap)
- [Action of LH-RH in vitro] Mori H, et al.
- Clin Endocrinol (Tokyo)* 21:897-903, Sep 73 (24 ref.) (Jap)

NEUROENDOCRINOLOGY

PHYSIOLOGY

[Chemistry of hypothalamic hypophysotropic hormones] Kasářířek E.
Cesk Farm 22:364-74, 1973 (Cze)

SECRETION

Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Fujii T. *Endocrinol Jap* 20:425-7, Aug 73
Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Kalra SP, et al.
Neuroendocrinology 12:321-33, 1973

THERAPEUTIC USE

Isolated gonadotropin deficiency. A heterogeneous syndrome. Splitz IM, et al.
N Engl J Med 290:10-5, 3 Jan 74
[Therapy of ovarian cysts in dairy cattle using a synthetic LH-FSH-releasing hormone] Grunert E, et al.
Dtsch Tierärztl Wochenschr 80:469-71, 15 Oct 73 (Eng. Abstr.) (Ger)
[Examination of the pituitary-gonadal function ring using the synthetic LH-releasing hormone in patients with hypogonadism before and during therapy] Wagner H, et al. *Med Welt* 24:1537-9, 5 Oct 73 (Ger)
[Possibilities for clinical use of synthetic LH-releasing hormone in gynecology] Groot-Wassink K, et al. *Zentralbl Gynaekol* 95:1010-8, 27 Jul 73 (Eng. Abstr.) (Ger)
[LH-RH therapy in menstruation and ovulation disorders] Iizuka R, et al.
Clin Endocrinol (Tokyo) 21:935-43, Sep 73 (Jap)

MELATONIN

ADMINISTRATION & DOSAGE

The influence of melatonin administered subcutaneously, intravenously, or intraocularly upon ovulation in the PMS-treated immature rat. Pomerantz G, et al.
Neuroendocrinology 12:354-61, 1973

BIOSYNTHESIS

Lack of effects of light on the rat pineal in organ culture. Cardinali DP, et al.
Gen Comp Endocrinol 21:573-7, Dec 73
Effect of light and darkness on pineal hydroxyindole-O-methyl transferase (HIOMT) in Japanese quail. Olsh T, et al.
Life Sci 13:1105-16, 16 Oct 73
In vivo and in vitro effects of X-irradiation and histamine-PO₄ on rat and bovine pineal HIOMT activity and melatonin synthesis. Rills LC, et al.
Life Sci 13:835-45, 1 Oct 73
[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)

METABOLISM

Uptake and effects of melatonin on the synthesis of proteins by the rat cerebral cortex. Cardinali DP, et al.
Life Sci 13:823-33, 1 Oct 73

PHARMACODYNAMICS

Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabiosed golden hamsters. Selbel HR, et al.
Acta Endocrinol (Kbh) 74:434-48, Nov 73
Pineal gland: evidence for an influence on ethanol preference in male Syrian hamsters. Reller RJ, et al.
Comp Biochem Physiol [A] 47:11-6, Jan 74
Letter: The activation of pineal hydroxyindole-O-methyltransferase by psychotomimetic drugs. Hartley R, et al.
J Pharm Pharmacol 25:751-2, Sep 73
Uptake and effects of melatonin on the synthesis of proteins by the rat cerebral cortex. Cardinali DP, et al.
Life Sci 13:823-33, 1 Oct 73
Arginine vasotocin release into cerebrospinal fluid of

cats induced by melatonin. Pavel S.
Nature [New Biol] 246:183-4, 12 Dec 73
The influence of melatonin administered subcutaneously, intravenously, or intraocularly upon ovulation in the PMS-treated immature rat. Pomerantz G, et al.
Neuroendocrinology 12:354-61, 1973
[Role of the pineal gland in endocrine regulation] Antón Tay F.
Rev Invest Clin 25:199-210, Jul-Sep 73 (Eng. Abstr.) (Spa)

SECRETION

[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Plechowiak H.
Dtsch Med Wochenschr 98:2088-94, 2 Nov 73 (12 ref.) (Ger)

THERAPEUTIC USE

[Role of the pineal gland in endocrine regulation] Antón Tay F.
Rev Invest Clin 25:199-210, Jul-Sep 73 (Eng. Abstr.) (Spa)

PITUITARY HORMONE RELEASING HORMONES

Amenorrhea following use of combined oral contraceptives. Furuholm M, et al.
Acta Obstet Gynecol Scand 52:373-9, 1973

ADMINISTRATION & DOSAGE

Letter: Intranasal administration of synthetic gonadotrophin-releasing hormone. Jeppsson S, et al.
Br Med J 4:231, 27 Oct 73
Asynchronous changes in circulating LH and FSH after the gonadotrophin releasing hormone. Mortimer CH, et al. *Nature [New Biol]* 246:22-3, 7 Nov 73

ANALYSIS

Plasma growth hormone in coeliac disease. Vanderschueren-Lodeweyckx, et al.
Helv Paediatr Acta 28:349-57, Oct 73

ANTAGONISTS & INHIBITORS

Melanocyte-stimulating hormone-release inhibiting hormone as an antidepressant. A pilot study. Ehrensing RH, et al. *Arch Gen Psychiatry* 30:63-5, Jan 74
Production of MSH-release-inhibiting hormone by a particulate preparation of hypothalamus: mechanisms of oxytocin inactivation. Walter R, et al.
Brain Res 80:449-57, 12 Oct 73

BIOSYNTHESIS

[The function of the hypothalamus and its clinical implications] László F.
Orv Hetil 114:3001-7, 16 Dec 73 (102 ref.) (Hun)

METABOLISM

[Dopaminergic neurons in the hypothalamo-hypophyseal system] Schreiber V.
Cesk Fysiol 22:213-24, Mar 73 (Cze)

PHARMACODYNAMICS

Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries. Groom GV, et al.
J Endocrinol 59:511-22, Dec 73
Proceedings: Comparison of LH levels in post-partum anoestrous and cycling ewes and the effects of synthetic gonadotrophin-releasing factor. Foster JP, et al. *J Reprod Fertil* 35:599-600, Dec 73
Proceedings: The effects of synthetic gonadotrophin-releasing factor on ovarian function in anoestrous ewes. Haresign W, et al.
J Reprod Fertil 35:600-1, Dec 73
Proceedings: Studies on synthetic LH-FSH-releasing hormone. Newton J, et al.
J Reprod Fertil 35:622-3, Dec 73
Asynchronous changes in circulating LH and FSH after

NEUROENDOCRINOLOGY

the gonadotrophin releasing hormone. Mortimer CH, et al. *Nature [New Biol]* 246:22-3, 7 Nov 73

PHYSIOLOGY

- Synthesis of analogs of the thyrotropin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Sievertsson H, et al. *Acta Pharm Suec* 10:297-308, Sep 73
- Endocrinology of puberty. I. Normal sexual maturation. Root AW. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
- [Chemistry of hypothalamic hypophysiotropic hormones] Kasaffrek E. *Cesk Farm* 22:364-74, 1973 (Cze)
- [Transmission of hypothalamic hormones to the anterior part of the hypophysis in mammals] Domański E. *Endokrynol Pol* 24:337-54, Sêp-Oct 73 (Pol)

SECRETION

- [Conclusion of essays on cerebral amines and endocrine-automatic nervous functions] Sano Y. *Clin Endocrinol (Tokyo)* 21:1027-8, Oct 73 (Jap)

THERAPEUTIC USE

- [Treatment of anovulatory sterility. VI. Results with the use of gonadotropic hypothalamic hormone] Zárate A, et al. *Ginecol Obstet Mex* 34:475-87, Nov 73 (Eng. Abstr.) (Spa)

SOMATOTROPIN RELEASING HORMONE

ANTAGONISTS & INHIBITORS

- The synthesis and biological activity of Ala3,14-somatostatin. Sarantakis D, et al. *Biochem Biophys Res Commun* 55:538-42, 16 Nov 73

BIOSYNTHESIS

- [The function of the hypothalamus and its clinical implications] László F. *Orv Hetil* 114:3001-7, 16 Dec 73 (102 ref.) (Hun)

PHARMACODYNAMICS

- Lack of growth hormone-releasing activity of (pyro)Glu-Ser-Gly-NH2. Schally AV, et al. *Biochem Biophys Res Commun* 55:556-62, 10 Dec 73

SECRETION

- The synthesis and biological activity of Ala3,14-somatostatin. Sarantakis D, et al. *Biochem Biophys Res Commun* 55:538-42, 16 Nov 73
- [Diagnosis and treatment of hypopituitary dwarfism (author's transl)] Schönberg D. *Monatsschr Kinderheilkd* 121:652-5, Oct 73 (Eng. Abstr.) (Ger)

THYROTROPIN RELEASING HORMONE

- Synthesis of analogs of the thyrotropin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Sievertsson H, et al. *Acta Pharm Suec* 10:297-308, Sep 73

ADMINISTRATION & DOSAGE

- Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. Fairclough PD, et al. *Clin Endocrinol (Oxf)* 2:351-9, Oct 73
- The triiodothyronine and thyroxine response to thyrotropin-releasing hormone in the assessment of the pituitary-thyroid axis. Lawton NF, et al. *Clin Endocrinol (Oxf)* 2:57-63, Jan 73
- Suppression of TRH-mediated thyroidal release of I31-I by a synthetic analog. Lybeck H, et al. *Neuroendocrinology* 12:366-70, 1973
- [Some results in the examination of the biological effect of synthetic thyrotropin-releasing factor] Fedotov VP, et al.

Probl Endokrinol (Mosk) 19:54-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

[Radioimmune method for determination of thyrotropic hormone in rat's blood plasma] Morozova LG, et al.

Probl Endokrinol (Mosk) 19:82-4, Nov-Dec 73 (Eng. Abstr.) (Rus)

[Prolactin (PRL) secretion during the normal menstrual cycle] Zárate A, et al.

Rev Invest Clin 25:315-20, Oct-Dec 73 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

- Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73

ANTAGONISTS & INHIBITORS

- Synthesis of analogs of the thyrotropin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Sievertsson H, et al. *Acta Pharm Suec* 10:297-308, Sep 73

BIOSYNTHESIS

- [The function of the hypothalamus and its clinical implications] László F. *Orv Hetil* 114:3001-7, 16 Dec 73 (102 ref.) (Hun)

BLOOD

- Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73
- Diagnosing thyroid disease by selected laboratory tests. Wahner HW. *Geriatrics* 29:83-6 passim, Jan 74
- Use of benzamidine to prevent the destruction of thyrotropin-releasing hormone (TRH) by blood. Jeffcoate SL, et al. *J Clin Endocrinol Metab* 38:155-7, Jan 74

CHEMICAL SYNTHESIS

- Synthesis of analogs of the thyrotropin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Sievertsson H, et al. *Acta Pharm Suec* 10:297-308, Sep 73
- Solid phase synthesis of peptides with carboxyl-terminal amides--thyrotropin-releasing factor (TRF). Gross E, et al. *Angew Chem [Engl]* 12:664-5, Aug 73

DIAGNOSTIC USE

- Serum thyrotropin response to thyrotropin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Gordin A, et al. *Acta Endocrinol (Kbh)* 74:111-21, Sep 73
- Serum thyrotropin levels and response to TRH in the endemic goiter region of Israel. Lewitus Z, et al. *Acta Endocrinol [Suppl] (Kbh)* 49-50, 1973
- TSH response to synthetic TRH in endemic goitre. Pinchera A, et al. *Acta Endocrinol [Suppl] (Kbh)* 51-2, 1973
- Total serum T3 and TSH response to TRH stimulation in patients with endemic goiter. Scriba PC, et al. *Acta Endocrinol [Suppl] (Kbh)* 53-4, 1973
- Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. *Arch Intern Med* 132:836-9, Dec 73
- Combined test for assessment of anterior pituitary function. Harsoulis P, et al. *Br Med J* 4:326-9, 10 Nov 73
- Enhanced plasma thyrotropin response to thyrotropin-releasing hormone following oestradiol administration in man. Faglia G, et al. *Clin Endocrinol (Oxf)* 2:207-10, Jul 73
- The triiodothyronine and thyroxine response to thyrotropin-releasing hormone in the assessment of the pituitary-thyroid axis. Lawton NF, et al. *Clin Endocrinol (Oxf)* 2:57-63, Jan 73
- Serum thyrotropin response to thyrotropin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases. Malvaux P, et al. *Clin Endocrinol (Oxf)* 2:219-25, Jul 73
- Plasma thyrotropin and its response to thyrotropin releasing hormone in endemic goitre. Rastogi GK, et al. *Clin Endocrinol (Oxf)* 2:153-6, Apr 73

NEUROENDOCRINOLOGY

The effect of thyrotrophin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. Toft AD, et al.

Clin Endocrinol (Oxf) 2:289-95, Jul 73

Diagnosing thyroid disease by selected laboratory tests. Wahner HW. *Geriatrics* 29:83-6 passim, Jan 74

Effect of synthetic luteinizing hormone-releasing hormone (LH-RH) on the release of gonadotropins in hypophyso-gonadal disorders of children and adolescents. 3. Hypopituitarism. Chaussain JL, et al. *J Clin Endocrinol Metab* 38:58-63, Jan 74

The usefulness of thyrotrophin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. Otsuki M, et al.

Kobe J Med Sci 19:13-22, Mar 73

Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. Sanders HK, et al. *NZ Med J* 78:204-8, 12 Sep 73

[Thyroid disorders (author's transl)] Harnack GA von. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

[Use of the TSH releasing hormone in examination of the hypothalamo-hypophyseal-thyroid system] Polliczer M, et al.

Z Aerzt Fortbild (Jena) 67:872-5, 1 Sep 73 (Ger)

METABOLISM

Thyrotrophin-releasing hormone in the hypothalamus of the rat. Bassiri RM, et al.

Endocrinology 91:188-97, Jan 74

[Blood triiodothyronine level in iodavide thyroid gland] Goebel R, et al.

Wien Z Inn Med 54:131-6, 1973 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Synthesis of analogs of the thyrotrophin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities. Sievertsson H, et al. *Acta Pharm Suec* 10:297-308, Sep 73

Stimulation of TSH release and glucose oxidation in pituitaries from thyroidectomized rats by thyrotrophin releasing factor (TRF). Dubovsky EV, et al.

Ala J Med Sci 10:270-7, Jul 73

Prolactin secretion in sixty-five patients with galactorrhea. Tolls G, et al.

Am J Obstet Gynecol 118:91-101, 1 Jan 74

Letter: Thyrotrophin-releasing hormone, prolactin, and cholesterol. Horrobin DF.

Br Med J 4:676, 15 Dec 73

Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. Fairclough PD, et al. *Clin Endocrinol (Oxf)* 2:351-9, Oct 73

Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. Kohler H, et al. *Clin Endocrinol (Oxf)* 2:327-32, Oct 73

Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs. Ormston BJ, et al. *Clin Endocrinol (Oxf)* 2:369-76, Oct 73

Serum triiodothyronine in health and disease. Patel YC, et al. *Clin Endocrinol (Oxf)* 2:339-49, Oct 73

Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. Faglia G, et al.

Folia Endocrinol (Roma) 26:245-56, Aug 73

Endocrine function in an anencephalic infant. Allen JP, et al. *J Clin Endocrinol Metab* 38:94-8, Jan 74

Secondary hypopituitarism: evidence for continuing regulation of hormone release. Woolf PD, et al. *J Clin Endocrinol Metab* 38:71-6, Jan 74

Proceedings: Asynchronous pulsatile luteinizing hormone and follicle-stimulating hormone responses during luteinizing hormone-follicle-stimulating hormone releasing hormone and thyroid-stimulating hormone releasing hormone infusions. Mortimer CH, et al. *J Endocrinol* 59:12-3, Nov 73

Proceedings: Prolactin release in the ewe induced by a synthetic tripeptide. Moseley SR, et al. *J Endocrinol* 59:xiv-xlvi, Nov 73

Suppression of TRH-mediated thyroidal release of ¹³¹I by a synthetic analog. Lybeck H, et al. *Neuroendocrinology* 12:366-70, 1973

[Behavior of plasmatic TSH in pituitary neoplasms after stimulation with thyrotrophin releasing hormone (TRH)] Silvestrini F, et al.

Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)

[Experimental and clinical evaluation of HTSH kit, no.1] Nihel R, et al.

Clin Endocrinol (Tokyo) 21:1047-55, Oct 73 (Jap)

[Effects of glucocorticoid on TSH secretion-clinical and experimental evaluation using synthetic TRF] Otsuki M, et al.

Clin Endocrinol (Tokyo) 21:1039-44, Oct 73 (Jap)

[Influence of glucocorticoids on thyroid stimulating hormone (TSH) secretion in man (author's transl)] Otsuki M, et al.

J Jap Soc Intern Med 62:1346-51, Oct 73 (Jap)

[Some results in the examination of the biological effect of synthetic thyrotrophin-releasing factor] Fedotov VP, et al.

Probi Endokrinol (Mosk) 19:54-9, Nov-Dec 73 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Thyroid pathology of hypothalamic origin] Muñóz M, et al.

Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

SECRETION

[Thyroid pathology of hypothalamic origin] Muñóz M, et al.

Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

NEUROENDOCRINOLOGY SUPPLEMENT

The following citations were taken from the July through December, 1973 issues of the Bulletins of the UCLA Brain Information Service, which is part of the NINDS Neurological Information Network. Citations which appear elsewhere in the Endocrinology Index, or are not closely related to endocrinology have been deleted.

Memo of Current Books in the Brain Sciences

(1) New Books in the UCLA Biomedical Library:

ADVANCES IN CYCLIC NUCLEOTIDE RESEARCH, Vol. 3, ed. by Paul Greengard and Alan Robison. New York, Raven Press, 1973. 406 pp. ca. \$19.75.

BRAIN-PITUITARY-ADRENAL INTERRELATIONSHIPS, ed. by A. Brodich and E.S. Redgate. Basel, S. Karger, 1973. 340 pp. Biomed WK 502 1616 1972. ca. \$45.30. Contains the proceedings of the International Symposium on Brain-Pituitary-Adrenal Interrelationships, Cincinnati, Ohio, June 14-16, 1972.

DRUG ABUSE AND CONTRACEPTION, ed. by Joseph Cochin. (Pharmacology and the Behavior of Man, Vol. 1) New York, S. Karger, 1973. 300 pp. Biomed W3 IN631m 1972 v.1. Proceedings of the Fifth International Congress on Pharmacology, San Francisco, California, July 23-28, 1972.

DRUG EFFECTS ON NEUROENDOCRINE REGULATION, ed. by E. Zimmermann, W.H. Gispen, H. Marks and D. DeWied. (Progress in Brain Research, Vol. 39) New York, Raven Press, 1973. 502 pp. Biomed W1 PR 738 v.39 1973.

THE ENDOCRINE FUNCTION OF THE HUMAN TESTIS, Vol. I, ed. by V.H.T. James, L. Serio, L. Martini. New York, Academic Press, 1973. 590 pp. Biomed WJ 875 1973 v.1.

ENDOCRINOLOGY OF WOMAN, by José Botella-Llusia. Trans. from the Spanish by Edward A. Moscovice. Philadelphia, Saunders, 1973. 1084 pp. Biomed WP505 1973 v.1. ca. \$38.00.

HYPOTHALAMIC HYPOPHYSIOTROPIC HORMONES: Physiological and Clinical Studies, ed. by Carlos Gual and Eugenia Rosemberg. Amsterdam, Excerpta Medica, 1973. 108 pp. Biomed WK 515 H999 1973.

THE HYPOTHALAMUS AND PITUITARY IN HEALTH AND DISEASE, compiled and edited by William Locke and Andrew V. Schally. Springfield, Ill., Thomas, 1972. 608 pp. Biomed WK 500 L796h 1972. ca. \$30.00.

LIMBIC SYSTEM, LEARNING AND PITUITARY-ADRENAL FUNCTION, by E. Endroczi. Budapest, Akademiai Kiado, 1972. 154 pp. Biomed WL 307 E56L 1972. ca. \$5.40

NEUROENDOCRINE CONTROL, ed. by Kinji Yagi and Sho Yoshida. New York, John Wiley & Sons, 1973. 394 pp. ca. \$25.00.

NEUROTRANSMITTERS AND METABOLIC REGULATION, ed. by R.M.S. Smellie. (Biochemical Society Symposium No. 36, held in University College, London, March 1972) London, The Biochemical Society, 1972. 169 pp. Biomed WL B1640 No.36 1972. ca. \$12.00.

SYNOPSIS OF ENDOCRINE PHARMACOLOGY, by John A. Thomas and Michael G. Mawhinney. Baltimore, University Park Press, 1973. 231 pp. Biomed WK 102 T364s 1973.

SYSTEMATIC ENDOCRINOLOGY, ed. by Calvin Ezrin, John O. Godden, Robert Volpe and Richard Wilson. New York, Harper & Row, 1973. 509 pp. Biomed WK 100 S995 1973. ca. \$20.00.

THE THINKING MACHINE; GENES, BRAIN, ENDOCRINES, AND HUMAN NATURE, by John Brierley. London, Heinemann, 1973. Biomed BF 701 B766t 1973. 195 pp.

(2) New Journals

MOLECULAR AND CELLULAR BIOCHEMISTRY, ed.-in-chief, V.A. Najjar. Vol. 1, No. 1, May, 1973. Dr. W. Junk B. C. Publishers, 13 van Stolkweg, the Hague, The Netherlands. Biomed W1 MO283. No subscription information is given. Previous title: Enzymologia.

BIOGENIC AMINES AND TRANSMITTERS IN THE NERVOUS SYSTEM

(1) Books and Reviews

Bligh J (Agricultural Research Council, Inst. Animal Physiology, Babraham, Cambridge, England) Temperature Regulation in Mammals and Other Vertebrates. Amsterdam, North-Holland Publishing Company. Frontiers Bio 30:1-436, 1973. Biogenic amine involvement in thermoregulation is among the topics discussed.

No Author (Univ. Strasbourg, Strasbourg, France: Frontiers in catecholamine research. Life Sci 13(4):1-52. Abstracts of papers presented at the III International Catecholamine Symposium, Strasbourg, France, May 20-25 1973.

(2) Methods

(3) Localization

Polenov AL. Aleksanian ZA (Inst. Evol. Fiziol. Biokhim, Sechenova, Akad,

Nauk SSSR, Leningrad, USSR) (Functional-morphologic characteristics of neurosecretory (peptidergic) cells of the hypothalamus) In: (Evolution, Ecology and the Brain) Evolintsiia Ekologiia i Mzog, ed. by N.N. Vasilevskii. Leningrad, Meditsina. pp. 164-178, 1972 (Rus)

Jeck M (Anatom Inst. Univ., D-63 Giesseu Friedrickstrasse 24, Germany) Sensorische und sekretorische Strukturelemente in der Epiphysis cerebri der Vogel. Verh Dtsch Zool Ger 66:239-244, 1973 (Ger)

(4) Amine Metabolism/Biochemical Studies

Finch CE (Lab. Neurobiology, Ethel Percy Andrus Gerontology Ctr., Univ. Southern California, Los Angeles, CA 90007) Monoamine metabolism in the aging male mouse. In: Development and Aging in the Nervous System. ed. by M. Rockstein and M.I. Sussman. New York, Academic Press, 1973. pp. 199-218.

Hyypä MT, Cardinali DP, Baumgarten HG, Wurtman RJ (Lab. Neuroendocrine Regulation, Dept. Nutrition & Food Science, Massachusetts Inst. Technology, Cambridge, MA 02139) Rapid accumulation of H^3 -serotonin in brains of rats receiving intraperitoneal H^3 -tryptophan: effects of 5, 6-dihydroxytryptamine or female sex hormones. J Neural Transm 34(2): 111-124, 1973.

(5) Structural-Activity Relationships

Smythe GA, Lazarus L (Garvan Inst. Med. Res., St. Vincent's Hospital, Sydney, Australia) The use of a hypothetical receptor-site model to predict novel pituitary hormone releasing and inhibiting agents. Excerpta Med Int Congr Ser 263:189-197, 1973.

(6) Effects on Physiological Processes

Avery DD, Penn PE (Dept. Psychology, Colorado State Univ., Ft. Collins, CO 80521) Effects of intrahypothalamic injections of adrenergic and cholinergic substances on behavioral thermoregulation and associated skin temperature levels in rats. Pharmacol Biochem Behav 1(2):159-165, 1973.

(7) Biochemical Effects on Other Systems

(8) Transmitter Functions

(9) Electrophysiology

Zlatin RS (Inst. Fiziol. Bogmolets, Akad. Nauk USSR, Kiev, USSR) (Effect of intrahypothalamic administration of noradrenalin on the electrical activity of motor cortex and posterior hypothalamus) Probl Fiziol Gipotalamusa No. 7:52-57, 1973 (Rus)

(10) Interaction of Biogenic Amines, Behavior, Stress and Environment

- Hynes MD, Lal H, Anderson CD (Univ. Rhode Island, Kingston, RI 02881) Facilitation of recovery from lateral hypothalamic syndrome by blockade of central dopaminergic receptor sites. Proc Am Psychol Assoc 8(2): 1047-1048, 1973.
- Kapatos G, Gold RM (Gold: Dept. Psychology, State Univ. New York at Cortland, NY 13045) Evidence for ascending noradrenergic mediation of hypothalamic hyperphagia. Pharmacol Biochem Behav 1(1):81-87, 1973.
- Leibowitz SF (Rockefeller Univ., 66th St. & S. York Ave., New York, NY 10021) Central histaminergic control of ingestive behavior in the rat. Proc Am Psychol Assoc 8(2):1049-1050, 1973.
- Myers RD, Martin GE (Lab. Neuropsychology, Purdue Univ., West Lafayette, IN 47907) 6-OHDA lesions of the hypothalamus: interaction of aphagia, food palatability, set-point for weight regulation, and recovery of feeding. Pharmacol Biochem Behav 1(3):329-345, 1973.
- Simpson CW, Dicara LV (Mental Health Res. Inst., Dept. Psychiatry, Univ. Michigan, Ann Arbor, MI 48104) Estradiol inhibition of catecholamine elicited eating in the female rat. Pharmacol Biochem Behav 1(4):413-419, 1973.
- Underhill WR, Rucker WB, McDiarmid CG, Sparber SB (Mankato State College, Mankato, MN 56001) Time factors in behavioral control of brain norepinephrine and plasma corticosterone levels. Proc Am Psychol Assoc 80(2): 1017-1018, 1973.
- Wyatt RJ, Gillin JC, Vaughan T (Dept. Psychiatry, NIMH, St. Elizabeth's Hospital, Washington, DC 20032) Adrenal cortical and neurotransmitter activity during human sleep. In: Brain, Nerves, and Synapses, ed. by F.E. Bloom and G.H. Acheson. pp. 134-144, 1972.

(11) Chemical and Drug Effects

- Armstrong S, Evans B, Burnstock G, Singer G (Dept. Psychology, La Trobe Univ. Bundoora, Victoria 3083, Australia) The effects of intrahypothalamic injections of guanethidine on catecholamine fluorescence, food intake and temperature regulation in the rat. Pharmacol Biochem Behav 1(3):307-312, 1973.

(12) Interaction with Hormones

- Reichlin S, Mitnick M (Dept. Physiology, Univ. Connecticut School Medicine, Farmington, CT) Biosynthesis of thyrotropin releasing hormone and its control by hormones, central monoamines and external environment. In: Hypothalamic Hypophysiotropic Hormones. Physiological and Clinical Studies. Proceedings of the Conference held at Acapulco, Gro., Mexico, June 29-July 1, 1972. Excerpta Med Int Congr Ser 263:124-135, 1973.

Singh P, McDevitt DG, MacKay J, Hadden DR (Metabolic Unit, Royal Victoria Hospital, Belfast, Northern Ireland) Effects of L-Dopa and chlorpromazine on human growth hormone and TSH secretion in normal subjects and acromegalics. Hormone Res 4(5):293-301, 1973.

Smythe GA, see under category no. 5.

Wheaton JE Role of hypothalamic biogenic amines in the release of luteinizing hormone in the ewe. Ph.D. thesis. pp. 1-79, 1973. Abstract in Dissertation Abst Int (B) 34(5):2272, 1973. Dissertation available for a fee from Xerox University Microfilms, P. O. Box 1764, Ann Arbor, MI 48106, order no. 73-25,386.

(13) Pathological States

Klawans HL, Jr., Goetz C, Weiner WJ (Dept. Neurological Science, Rush-Presbyterian-St. Luke's Med. Ctr., Chicago, IL) Dopamine receptor site sensitivity in hyperthyroid guinea pigs: a possible model of hyperthyroid chorea. J Neural Transm 34(3):187-193, 1973.

(14) Invertebrate Neurotransmission

(1) General and Review Articles, and Books

Endrőczi E (Dept. Experimental & Clinical Lab. Investigation Postgraduate Medical School, Budapest, Hungary) Limbic System, Learning and Pituitary-Adrenal Function. Budapest, Akademiai Kiado, 1972 154 pp.

Gray JA (Dept. Experimental Psychology, Univ. Oxford, Oxford, England) The structure of the emotions and the limbic system. In: Physiology, Emotion and Psychosomatic Illness. (CIBA Foundation Symposium, 8.) New York, Associated Scientific Publishers, 1972. pp. 87-120

Levine S, ed. Hormones and Behavior. New York, Academic Press, 1972, 363 pp

Pribram KH (Dept. Psychology, Stanford, Univ., Palo Alto, CA) Association: cortico-cortical and/or cortico-subcortical. In: Corticothalamic Projections and Sensorimotor Activities, ed. by T.L. Frigyesi, E. Rinvik and M.D. Yahr. New York, Raven Press, 1972. pp. 525-549. In primates. A review.

(2) Theories and Models

(3) Electrophysiological Studies

(4) Neurochemical Studies

(5) Pharmacological Studies

DeWied D, van Delft, AML, Weijnen JAWM, Wimersma Greidanus TV van (Rudolf Magnus Inst. Pharmacology, Medical Faculty, Univ. Utrecht, Utrecht, The Netherlands) The role of pituitary-adrenal system hormones in active avoidance conditioning. In: Hormones and Behavior, ed. by S. Levine. New York, Academic Press, 1972. pp. 135-171 A review.

Endrőczi E (Central Research Division, Postgraduate Medical School, Budapest Hungary) Pavlovian conditioning and adaptive hormones. In: Hormones and Behavior, ed. by S. Levine. New York, Academic Press, 1972. pp. 173-207 A review.

Ley KF, Corson JA (Dept. Psychiatry, McGill Univ., Montreal, Quebec, Canada) Sex differences in behavior response to ACTH depend on time of testing and UCS intensity. *Int J Psychobiol* 2(4):265-271, 1972.

(6) Neurophysiological Studies

(7) Environmental Studies

Slob AK, Snow CE, Natris-Mathot E de (Dept. Endocrinology, Growth and

Reproduction, Rotterdam Medical Faculty, Rotterdam, The Netherlands)
Absence of behavioral deficits following neonatal undernutrition in the
rat. Dev Psychobiol 6(2):177-186, 1973.

(8) Neural Memory

(9) Effect of Stress Studies

(10) Transfer Studies

NEUROENDOCRINE CONTROL MECHANISM:
THE HYPOTHALAMIC-PITUITARY-GONADAL SYSTEM

(1) General Articles, Reviews, Books

cella-Llusia J Endocrinology of Woman. Philadelphia, Saunders. pp. 1-1084,
1973 Translated from Spanish by E.A. Moscovic.

chin J Drug Abuse and Contraception. Pharmacology and the Future of Man.
Vol. 1. Edited by G.H. Acheson. Basel, Karger. pp. 1-300, 1973 Several
papers of interest are included in the section on contraception. Proceed-
ings of the Fifth International Congress on Pharmacology, San Francisco, CA,
July 23-28, 1972.

man VM (Hypothalamus and the endocrine system) In: (Clinical Neurophy-
siology), ed. by N.P. Bekhtereva, et al. Leningrad, Nauka, 1972.
pp. 326-342 (Rus)

th Colloquium on Neuroendocrinology) Abstracts of papers (in French, with
English Table of Contents) presented at the 2nd meeting of the Société de
Neuroendocrinologie Experimentale, held September 13-14, 1973, Marseille.
Paperback volume of abstracts may be obtained on request without charge from:
Prof. D. Picard, Lab. Histologie I, Faculté de Médecine, F. 13385 Marseille
Cedex 4, France.

al C. Rosenberg E, eds. (Res. Division & Dept. Endocrinology, Inst. Nacional
de la Nutricion, Univ. Mexico, Mexico City, Mexico) Hypothalamic Hypophy-
siotropic hormones. Physiological and clinical studies. Proceedings of the
Conference held at Acapulco, Gro., Mexico, June 29-July 1, 1972. Excerpta
Med Int Congr Ser 263:1-428, 1973

fez ESE, Evans TN, eds. (Dept. Gynecology-Obstetrics, Wayne State Univ.,
Detroit, MI) Human Reproduction: Conception and Contraception. New York,
Harper and Row. pp. 1-778, 1973

chinson JSM (Reproduction Research Information Service Ltd., 141 Newmarket
Rd., Cambridge, 785, 8HA, England) Biochemical action of gonadotrophins on
the mammalian ovary. Bibliogr Reprod 22(2):181-190, 363-372, 1973

A bibliography with brief review, covering the literature from 1969-73. Includes 314 references.

Ibayashi H (Dept. Internal Med., Kyushu Univ., Kyushu, Japan) (Endocrinology of hypothalamus-pituitary system) *Neurol Surg* 1(5):385-395, 1973 (Jpn)
A review.

Levine S, ed. Hormones and Behaviour. New York, Academic Press. pp. 1-363

Locke W, Schally AV, eds. The Hypothalamus and Pituitary in Health and Disease. Springfield, IL, Thomas, 1972. pp. 1-608 The chapters, by different authors, include anatomy and embryology, hormones of the pituitary gland, control of pituitary function, and others on various clinical aspects of the subject.

Schally AV (Tulane Univ. School Medicine, New Orleans, LA) Control of pituitary function. In: The Hypothalamus and Pituitary in Health and Disease, ed. W. Locke and A.V. Schally. Springfield, IL, Thomas, 1972. pp. 176-289

Schwartz TB, Ryan WG, Becker FD, eds. The Year Book of Endocrinology. Chicago Year Book Medical Publishers, Inc., 1973. pp. 1-416 This annual review, primarily for the physician, covers the literature up to January, 1973, and includes sections on prolactin, the hypothalamus and pituitary, the ovary, the testis, and sexual differentiation, among others.

Segal SJ, Crozier R, Corfman PA, Condliffe PG, eds. (Biomedical Division, Population Council, New York, NY) The Regulation of Mammalian Reproduction. Springfield, ILL., Thomas. *Fogarty Int Center Proc* 8:1-586, 1973. Proceedings of a conference held October 1970. 41 chapters grouped in sections on regulations of: pituitary function, sperm production, and on fertilizing capacity of sperm, biology of mammalian ovum, tubal transport of gametes, corpus luteum function, and discussion and summary.

Setchell BP, Hinton BT (Reproduction Research Information Service Ltd., 141 Newmarket Rd., Cambridge CB5 8HA, England) Action of gonadotrophins on the testis in mammals. *Bibliogr Reprod* 21(6):817-826, 959-967, 1973.

Spies HG (Oregon Regional Primate Research Ctr., 505 N.W. 185th Ave., Beaverton, OR 97005) Neuroendocrine Studies in primates. *Primate News* 11(8):4-8, 1973
A review of studies on the HPG system.

Thomas JA, Mawhinney MG Synopsis of Endocrine Pharmacology. Baltimore, MD, University Park Press, 1973. pp. 1-231

Van Wagenen G, Simpson ME, eds. (Yale Univ., School Medicine, New Haven, CT) Postnatal Development of the Ovary in Homo Sapiens and Macaca Mulatta and Induction of Ovulation in the Macaque, New Haven, Yale University Press. pp. 1-305, 1973.

Yoshida T, Ishii S (Dept. Biochemistry, Waseda Univ., Tokyo, Japan) (Gonadotropins. II. Physical and chemical properties) *Zool Mag* 82(2):79-93, 1973 (Jpn)
A review.

ermann E, Gispen WH, Marks BH, de Wied D, eds. Drug Effects on Neuroendocrine Regulation. Amsterdam, Elsevier. Prog Brain Res 39:1-502, 1973
Proceedings of an International Symposium on Drug Effects on Neuroendocrine Regulations, held at Snowmass-At-Aspen, Colorado, July 17-19, 1972.

(2) Methods and Chemistry

nam GE, Samojik E, Kyle FW, Buster JE (Div. Reproductive Biology, Dept. Obstetrics & Gynecology, Harbor General Hosp., Torrance, CA 90509) Radioimmunoassay of plasma 16alpha-hydroxyprogesterone. Anal Letters 6(8):675-683, 1973.

conicoff LK, Cedard L (Lab. de Chimie Hormonale, Maternité de Port-Royal, 123, Bid de Port-Royal, Paris, 14e, France) Localization of human chorionic gonadotropic and somatomammotropic hormones by the peroxidase immunohisto-enzymologic method in villi and amniotic epithelium of human placentas (from six weeks to term). J Obstet Gynecol 116(8):1123-1132, 1973

chumont P (Radioimmunoassay Lab., Inst. Medicine, Univ. Liege, Liege, Belgium) Radioimmunoassay of gonadotropins. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 273-289, 1973.

nan B, Kyrein HJ, Ender ML (Inst. Physiologie, Technische Univ. Muenchin-Weiherstephan, Freising, Germany) An efficient Procedure for the determination of progesterone by radioimmunoassay applied to bovine peripheral plasma. Hormone Res 4(5):302-310, 1973.

coate SL (Reprod. Res. Information Service Ltd., 141 Newmarket Rd., Cambridge CB5 8HA, England) Bibliography on radioimmunoassay of gonadal steroids. Bibliogr Reprod 21(5):NP, 1973 The literature for the period January 1969 - January 1973 is surveyed.

off H (Hormone Research Lab., Univ. California, San Francisco, CA) The chemistry of the interstitial cell-stimulating hormone of ovine pituitary origin. In: Hormonal Proteins and Peptides, Vol. 1, ed. by C.H. Li. New York, Academic Press, 1973. pp. 59-100 Purification, physical and chemical properties, subunit nature, and structural studies are reviewed.

lly AV (Tulane Univ. School Medicine, New Orleans, LA) Hormones of the pituitary gland. In: The Hypothalamus and Pituitary in Health and Disease, ed. by W. Locke and A.V. Schally. Springfield, IL, Thomas, 1972. pp. 66-72 A brief review of the methods used to isolate and characterize pituitary hormones.

o M, Forti G, Fiorelli G, Pazzagli M (Endocrinology Unit, Univ. Florence, Florence, Italy) Methodologic considerations on the measurement of plasma androgens by competitive protein binding methods and radio-assays. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 15-40, 1973.

(3) Anatomy and Histochemistry

- Kirgis HD, Locke W (Dept. Neurosurgery, Tulane Univ. School Medicine, New Orleans, LA) Anatomy and embryology. In: The Hypothalamus and Pituitary in Health and Disease, ed. by W. Locke and A. V. Schally. Springfield, IL, Thomas, 1972. pp. 2-65 A comprehensive review of the structure and ultrastructure of the hypothalamus and pituitary gland and their anatomic relations. 102 references.
- Molnar B, Szabo S (Cytological aspects of gonadotrophic cells and preoptic-neurohypophyseal neurosecretion during the ovarian cycle of eudontomyzon danfordi. Aspectele citologice ale celulelor gonadotrope si neurosecretifi preoptice neuorhipofizare in decursul ciclului ovarian la eudontomyzon danfordi. S Univ Babes Bolyai (Biol) 18(1):105-113, 1973 (Rum) French Summary.
- Nakane PK (Dept. Pathology, School Medicine, Univ. Colorado, Denver, CO) Distribution of gonadotropic cells in the anterior pituitary gland of the rat. Fogarty Int Center Proc 8:79-86, 1973 An identical distribution of LH and FSH - containing cells is described.
- Obert H-J (Zoologisches Institut der Universitat Bonn, Bonn, West Germany) Investigations on the hormonal control of the calling and mating activity in the red and yellow bellied toad, Bombina orientalis (L.) and Bombina variegata (L.) Zool Jahrb (Abt Zool Physiol) 77(2):166-198, 1973 (Ger)
- Ono H, Yamashita K (Animal Health Products Div., Takeda Chemical Industries, Tokyo-To 103, Japan) (Electron microscopic studies on the effectiveness and persistency of hexestrol difatty acid esters on gonadotrophins in the anterior pituitaries of male mice) Jap J Zootech Sci 44(8):417-425, 1973 (Jpn) English abstract included.
- Raizada AK (Dept. Zoology, Univ. Saugar, Sagar, M.P. India) On the structure of the pituitary gland of Rasbora daniconius (HAM.) and its cyclical changes in correlation with the reproductive cycle. Zool Pol 22(4):247-264, 1973
- Schreibman MP, Leatherland JF, McKeown BA (Dept. Biology, Brooklyn College, Univ. New York, Brooklyn, NY 11210) Functional morphology of the teleost pituitary gland. Am Zool 13(3):719-742, 1973.
- (4) Hypothalamus, Releasing Factors, Other Brain Areas
- Barofsky A, Dowd A, Santner S, Chaudhuri N, Lloyd CW, Weisz J (Massachusetts Coll. Pharmacy, 179 Longwood Ave., Boston, MA 02115) Problems in maintaining potency of synthetic LH-RF: studies using a pituitary perfusion system. Excerpta Med Int Congr Ser 263:105-109, 1973.
- Bogdanove EM (Dept. Physiology, Medical College Virginia, Richmond, VA) The role of ovarian-pituitary interplay in events of the rat estrous cycle. Fogarty Int Center Proc 8:65-74, 1973.
- Borgeat P, Poirier G, Chavancy G, Dupont A, Labrie F (Lab. Molecular Endocrinology, Centre Hospitalier de l'Université Laval, Quebec, Canada) Stimulation of adenohypophyseal adenylate cyclase activity by synthetic luteinizing hormone-releasing hormone (LH-RH) and purified growth hormone-releasing hormone.

(GH-RH). Excerpta Med Int Congr Ser 263:174-181, 1973.

ers CY, Chang JK, Folkers K (Tulane Univ. School Medicine, New Orleans, LA) Studies on the LH and FSH releasing activity of the hypothalamic hormone, pGLU-HIS-TRP-SER-TYR-GLY-LEU-ARG-PRO-GLY-NH₂ (decapeptide), its analogs and other small peptides. Excerpta Med Int Congr Ser 263:68-88, 1973.

us R, Monahan M, Rivier J, Vale W, Ling N, Grant G, Amoss M, Guillemin R (Salk Int., La Jolla, CA) Structure-biological activity relationships of thyrotropin and luteinizing hormone releasing factor analogues. Excerpta Med Int Congr Ser 263:12-19, 1973.

odey WC, Humphrey RR, Reel JR (Dept. Pharmacology, Res. & Development Div., Parke, Davis & Co., Ann Arbor, MI) LRF-induced luteinizing hormone release and ovulation in the rat, hamster, rabbit and heifer. Excerpta Med Int Congr Ser 263:56-63, 1973.

lemin R (Salk Inst. for Biological Studies, La Jolla, CA) Hypothalamic hormones: releasing and inhibiting factors. Hosp Practice 8(11):111-120, 1973.

sz M, Kerdelhue B (Lab. Hormones Polypeptidiques, CNRS, Gif-sur-Yvette, France) In vitro studies on synthetic LH-RH and its assay in plasma using a radioimmunological method. Excerpta Med Int Congr Ser 263:98-104, 1973.

eko T, Saito S, Oka H, Oda T, Yanihara N (1st Dept. Internal Medicine, Univ. Tokyo Faculty Medicine, Tokyo, Japan) Effects of synthetic releasing hormones on cyclic AMP levels and hormone release from rat anterior pituitary tissue. Excerpta Med Int Congr Ser 263:198-203, 1973.

ella FS, Vivian S, Dular R, Eddie L (Dept. Pharmacology & Therapeutics, Univ. Manitoba Faculty Medicine, Winnipeg, Manitoba, Canada) In vitro specificity of synthetic peptides reported to release TSH, LH/FSH, or GH. Excerpta Med Int Congr Ser 263:167-173, 1973.

achi Y, Chrambach A, Mecklenburg R, Lipsett MB (Reproduction Research Branch, National Inst. Child Health & Human Development, Bethesda, MD) Preparation and properties of ¹²⁵I-LHRH. Excerpta Med Int Congr Ser 263:92-97, 1973.

ca M, Collu R, Martini L (Hopital St. Justine, 3175 Cote St. Catherine, Montreal, 250 Quebec, Canada) Mechanisms which control puberty in males. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio, and L. Martini. New York, Academic Press. pp. 371-376, 1973.

kov BG, Rudneva LM (Kiev Univ., Kiev, USSR) (Hypothalamic structures participating in the regulation of trophic functions of the hypophysis) Probl-Fiziol Gipotalamusa No. 7:96-106, 1973 (Rus) In birds, mammals. English summary.

da Y. Kitaura K, Baba Y (Central Research Lab., Sankyo Co. Ltd., 1-2-58 Hiromachi, Shinagawa, Tokyo, Japan) Luteinizing hormone-releasing hormone analogs lacking N-terminal PGLU ring structure. Biochem Biophys Res Commun 53(4):1180-1186, 1973.

- Pfaff D (Rockefeller Univ., New York, NY) Interactions of steroid sex hormones with brain tissue: studies of uptake and physiological effects. Fogarty Int Center Proc 8:5-22, 1973.
- Porter JC, Kamberi IA, Grazia YR (Dept. Physiology, Univ. Texas, Southwestern Medical School, Dallas, TX) The hypophyseal portal vasculature and its role in the transfer of hypophysiotropic substances. Fogarty Int Center Proc 8:39-44, 1973.
- Redding TW (Veterans Administration Hosp., Endocrine & Polypeptide Lab., New Orleans, LA) The preparation of tritiated LH-RH/FSH-RH: its distribution in rats. Excerpta Med Int Congr Ser 263:89-91, 1973.
- Reeves, JJ, Chakraborty PK, Golter TD, Beck TW, Tarnavsky GK (Dept. Animal Sciences, Washington State Univ., Pullman, WA) Physiological studies on synthetic LH-RH/FSH-RH in domestic animals. Excerpta Med Int Congr Ser 263:53-55, 1973. Studied in cattle, swine and sheep.
- Reichlin S, Mitnick M (Dept. Physiology, Univ. Connecticut School Medicine, Farmington, CT) Biosynthesis of thyrotropin releasing hormone and its control by hormones, central monoamines and external environment. Excerpta Med Int Congr Ser 263:124-135, 1973.
- Ross GT (Reproduction Research Branch, National Inst. Child Health Human Development, Bethesda, MD) Pituitary-gonadal interactions in man before and after puberty. Fogarty Int Center Proc 8:45-50, 1973.
- Sandow J (Hoescht Ag., Pharmacol. H821, 6230 Frankfurt (Main) 80, West Germany) The hypothalamic gonadotrophin releasing factors. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 377-394, 1973.
- Sandow J, Heptner W, Vogel HG (Dept. Pharmacology, Farbwerke Hoechst A.G., Frankfurt/M., Germany) Studies on in vivo inactivation of synthetic LH-RH. Excerpta Med Int Congr Ser 263:64-67, 1973.
- Schally AV (Reproduc. Research Information Service Ltd., 141 Newmarket Rd., Cambridge CB5 8HA, England) Bibliography on synthetic releasing hormones. Bibliogr Reprod 21(1):NP, 1973. The bibliography deals with TRH effects in humans and animals and with synthesis of LH-RH/FSH-RH and its analogues. The period covered is January 1971 - October 1972.
- Schally AV, Arimura A, Debeljuk L, Redding TW, Reeves JJ (Endocrine & Polypeptide Lab., VA Hospital, Dept. Medicine, Tulane Univ. School Medicine, New Orleans, LA) Hypothalamic hormones regulating pituitary function; their physiology and biochemistry. Excerpta Med Int Congr Ser 263:3-11, 1973.
- Schneider HPG, Dahlen HB (Dept. Obstetrics & Gynecology, Univ. Ulm, 79 Ulm, W. Germany) Synthetic gonadotropin releasing hormone: a powerful tool for the clinician. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 413-429, 1973.

nröder HG, Sandow J, Seeger K, Engelbart K, Vogel HG (Pharmacology Dept., Farbwerke Hoechst AG., Frankfurt/M., Germany) The effect of synthetic LH-RH on induction of ovulation near puberty. Excerpta Med Int Congr Ser 263:48-52, 1973.

rra BA (Dept. Obstetrics & Gynaecology, Università Cattolica del S. Cuore, Rome, Italy) In Vitro methods for the study of releasing hormones. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 395-411, 1973.

eaton JE Role of hypothalamic biogenic amines in the release of luteinizing hormone in the ewe. Ph.D. thesis, Oregon State Univ., 1973. pp. 1-79 Abstract in Dissertation Abst Int (B) 34(5):2272, 1973. Dissertation available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-25, 386.

nisi M, Motta M, Martini L (Dept. Endocrinology, Univ. Milan, Milan, Italy) Recent findings on the physiology of the gonadotropin-releasing factors. Excerpta Med Int Congr Ser 263:24-32, 1973.

(5) Anterior Pituitary and Gonadotropins

osignani PG, Trojsi L (Sec. Endocrinology, Dept. Obstetrics-Gynecology, Univ. Milan, Italy) Characteristics of a solid phase method for FSH and LH. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 291-312, 1973.

vis JC The role of hypothalamic factors in the regulation of FSH synthesis in the rat adenohypophysis in vitro. Ph.D. thesis, Pennsylvania State Univ. pp. 1-63, 1972. Abstract in Dissertation Abstracts Int B 34(3):989, 1973. Copies available for a fee from Xerox, University Microfilms, Order no. 73-21,263.

thrie HD Superovulation in the pig with pregnant mare's serum gonadotropin: effect on plasma hormone concentrations and fertility. Ph.D. thesis, Clemson University. pp. 1-86, 1973. Abstract in Dissertation Abst Int (B) 34(2):834, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-19,259.

udgal NR (Dept. Biochemistry, Indian Inst. Science, Bangalore, India) The luteotropic action of luteinizing hormone. Fogarty Int Center Proc 8:428-437, 1973.

erce JG, Liao T-A, Carlsen RB (Dept. Biological Chem., Univ. California, Los Angeles, CA 90024) The chemistry of pituitary thyrotropin. In: Hormonal Proteins and Peptides, Vol. 1, ed. by C.H. Li. New York, Academic Press, 1973. pp. 17-57.

semberg E, Lee SG (Medical Research Inst. Worcester, Inc., Worcester City Hospital, Worcester, MA) Effects of human follicle-stimulating and luteinizing hormones on ovarian function. Fogarty Int Center Proc 8:449-460, 1973.

- Sairam MR, Li CH (Hormone Res. Lab., Univ. California, Los Angeles, CA 90024) The biology of pituitary interstitial cell-stimulating hormone. In: Hormonal Proteins and Peptides, Vol. 1, ed. by C.H. Li. New York, Academic Press, 1973. pp. 101-169.
- Schally AV (Tulane Univ. School Medicine, New Orleans, LA) Follicle-stimulating hormone (FSH) and luteinizing hormone (LH). In: The Hypothalamus and Pituitary in Health and Disease, ed. by W. Locke and A.V. Schally. Springfield, IL, Thomas, 1972. pp. 109-137 269 references.
- Schomberg DW (Dept. Obstetrics Gynecology, Duke Univ. Medical Center, Durham, NC) The regulation of luteal regression. Fogarty Int Center Proc 8:462-469, 1973.
- Steinberger A, Steinberger E (Program Reproductive Biology Endocrinology, Univ. Texas Medical School, Houston, TX) Hormonal control of mammalian spermatogenesis. Fogarty Int Center Proc 8:139-150, 1973.
- Solis-Wallckermann JL Immunochemical studies on sheep pituitary gonadotropic and lactogenic hormones. Ph.D. thesis, Univ. California, San Francisco, CA pp. 1-183, 1972. Abstract in Dissertation Abst Int (B) 34(4):1392, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764 Ann Arbor, MI, order no. 73-23,671.
- Uberoi NK (Dept. Zoology, Univ. Delhi, Delhi, India) Pituitary gonadotropins in rhesus monkey, Macaca mulatta. Boll Zool 40(1):87-93, 1973.
- Zarate A, Canales ES, Soria J, MacGregor C, Maneiro PJ, Schally AV (Obstetric no. Uno, Gabriel Mancera 222, Mexico 12, D.F. Mexico) Pituitary responsiveness to synthetic luteinizing hormone-releasing hormone during pregnancy: effect on follicle-stimulating hormone secretion. J Obstet Gynecol 116(8):1121-1123, 1973.

(6) Gonads and Gonadal Steroids

- Barfield MA Control of sexual receptivity in the female rat by estrogen and progesterone. Ph.D. thesis, Princeton Univ. pp. 1-257, 1973. Abstract in Dissertation Abst Int (B) 24(2):828, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-19,162.
- Denamur R, Short RV (Lab. Physiologie Laclation, Jouy-en-Josas, France) Some aspects of the luteotropic control of the ovine corpus luteum. Fogarty Int Center Proc 8:441-446, 1973.
- D'Istria M, Botte V, Delrio G, Chieffi G (II Cattedra di Anatomia Comparata, Ist. Di Fisiologia ed Embriologia, Faculta di Scienze, Univ. Napoli, Napoli Italy) Implication of testosterone and its metabolites in the hormonal regulation of thumb pads of Rana esculenta. Steroids Lipid Res 3(6):321-327, 1973.
- Dixon IW, Thwaites CJ (Dept. Livestock Production, Univ. New England, Armidale

- N.S.W., Australia, 2351) The effects of single injection of progesterone on oestrous cycle length in ewes. *J Agric Sci (Lond)* 80(3):525-526, 1973.
- mini P (Research Lab., Istituto Farmacologico Sersono, Rome, Italy) Recent data on the chemistry of human gonadotropins. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 195-221, 1973.
- oltan DW Plasma progestins in the mare during the estrous cycle and pregnancy. Ph.D. thesis, Washington State Univ. pp. 1-73, 1973. Abstract in Dissertation Abst Int (B) 33(12pt1):6046, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-14,759.
- awamoto N (Dept. Physiology, Gifu Univ. School Medicine, Gifu, Japan) (Androgenic potencies of androsterone, methyltestosterone, testosterone propionate, and testosterone upon the manifestation of papillar process in the female medaka, Oryzias latipes) *Zool Mag* 82(1):36-41, 1973 (Jpn)
- itchener DJ (Western Australian Museum, Francis St., Perth, W.A. 6000, Australia) Reproduction in the common sheath-tailed bat, Taphozous georgianus (Thomas) (microchiroptera: emballonuridae), in Western Australia. *Aust J Zool* 21(3):375-389, 1973.
- acy D (Dept. Zoology Comparative Anat., St. Bartholomew's Hospital Medical College, Charterhouse Sq., London, EC1, England) Androgen dependency of spermatogenesis and the physiological significance of steroid metabolism in vitro by the seminiferous tubules. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 493-532, 1973.
- uttge WG, Hall NR (Dept. Neuroscience, Univ. Florida College Medicine, Gainesville, FL 32601) Differential effectiveness of testosterone and its metabolites in the induction of male sexual behavior in two strains of albino mice. *Horm Behav* 4(1-2):31-43, 1973.
- ancini RE (Centro Investigaciones Reproducción, Facultad Medecina, Univ. Buenos Aires, Buenos Aires, Argentina) Effect of gonadotropin preparations and of urinary FSH and LH on human spermatogenesis. *Fogarty Int Center Proc* 8:151-162, 1973.
- aynes GM (Sch. Biological Sciences, Macquarie Univ., North Ryde, N.S.W. 2113, Australia) Reproduction in the parma wallaby, Macropus parma Waterhouse. *Aust J Zool* 21(3):331-351, 1973.
- mith MJ, How RA (Dept. Zoology, Univ. New England, Armidale, N.S.W. 2351, Australia) Reproduction in the mountain possum, Trichosurus caninus (Ogilby), in captivity.

- Sodersten P (Dept. Psychology, Univ. Goteborg, Banehagsgatan 1, UPPG. 6, S-41451 Goteborg, Sweden) Increased mounting behavior in the female rat following a single neonatal injection of testosterone propionate. *Horm Behav* 4(1-2):1-17, 1973.
- Thevenet M (Chef de Laboratoire des Hôpitaux de Paris, France) (Endocrinology of gestation) *Endocrinologie de la gestation. Probl Actuels Biochim Appl* 5:153-209, 1973 (Fre)
- Tsutsui T (Lab. Veterinary Obstetrics Gynecology, Nippon Veterinary Zootechnical College, Musashino-Shi, Tokyo 180, Japan) (Studies on the physiology of reproduction in the dog. II. Observations on the time of ovulation) *Jap J Anim Reprod* 18(4):137-142, 1973 (Jap)
- Van der Molen HJ, De Bruijn HWA, De Jong FS, Rommerts FFG (Dept. Biochemistry, Div. Chem. Endocrinology, Med. Faculty Rotterdam, Rotterdam, The Netherlands) Regulation of the production of testicular steroids. In: Endocrine Function of the Human Testis, Vol. 1, pp. 459-491, 1973.
- Younglai EV (Dept. Obstetrics & Gynecology, Reprod. Biology Programme, McMaster Univ., Health Science Ctr., Hamilton, Ontario, Canada) Effects of immunizing turkeys with ovine luteinizing hormone. *Steroids Lipids Res* 4(1):6-10, 1973.

(7) Other Endocrine Interactions

- Goodyer CG Estrogen interaction with the developing female rat pineal gland: a biochemical and morphological study. Ph.D. thesis, Univ. Rochester, 1973. pp. 1-246 Abstract in *Dissertation Abst Int (B)* 34(5):1838, 1973. Dissertation available for a fee from Xerox University Microfilms, P.O. Box 164, Ann Arbor, MI 48106, order no. 73-26,542.
- Herndon JG, Neill DB (Neill: Dept. Psychology, Emory Univ., Atlanta, GA 30322) Amphetamine reversal of sexual impairment following anterior hypothalamic lesions in female rats. *Pharmacol Biochem Behav* 1(3):285-288, 1973.
- James VHT, Rippon AE (Steroid Res. Unit. Dept. Chem. Pathol., St. Mary's Hospital, London, W2, England) Determination of androgens in human plasma. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 1-14, 1973.
- Labhsetwar AP (Worcester Foundation Experimental Biology, Shrewsbury, MA 01545) Do prostaglandins stimulate LH release and thereby cause luteolysis? *Prostaglandins* 3(5):729-732, 1973.
- Moszkowska A, Scemama A, Lombard MN, Hery M (Equipe Recherche Neuroendocrinologie CNRS, Collège France, Paris, France) Experimental modulation of hypothalamic content of the gonadotropic releasing factors by pineal factors in the rat. *J Neural Transm* 34(1):11-22, 1973.

aksena SK, El Safoury S, Bartke A (Worcester Foundation for Experimental Biology, Shrewsbury, MA 01545) Prostaglandins E_2 and $F_{2\alpha}$ decrease plasma testosterone levels in male rats. Prostaglandins 4(4):235-242, 1973.

ang NST, Marsh JM, Lemaire WJ (Dept. Obstetrics & Gynecology, Biochemistry & Endocrine Lab., Univ. Miami Sch. Med., Miami, FL) Prostaglandin changes induced by ovulatory stimuli in rabbit graafian follicles. The effect of indomethacin. Prostaglandins 4(3):395-404, 1973.

(8) Feedback Mechanisms

lake CA, Norman RL, Sawyer CH (Dept. Anatomy & Brain Research Inst., UCLA School Medicine, Los Angeles, CA 90024) Effects of hypothalamic deafferentation and ovarian steroids on pituitary responsiveness to LH-RH in female rats. Excerpta Med. Int Congr Ser 263:33-38, 1973.

ogdanove EM, see under "Hypothalamus, releasing factors, other brain areas."

isenfeld AJ (Dept. Pharmacology, School Medicine, Yale Univ., New Haven, CT) Evidence for binding of estrogens in the brain. Fogarty Int Center Proc 8:23-33, 1973.

ahn ID, see under "Sex differentiation and development."

rey LC, Butler WR, Weiss G, Weick RD, Dierschke DJ, Knobil E (Dept. Physiology, Univ. Pittsburgh School Medicine, Pittsburgh, PA) Influences of endogenous and exogenous gonadal steroids on the actions of synthetic LRF in the rhesus monkey. Excerpta Med Int Congr Ser 263:39-47, 1973.

faff D, see under "Hypothalamus, releasing factors, other brain areas."

anisi M, Motta M, Martini L (Dept. Pharmacology, Univ. Milan, Milan, Italy) Feedback activity of testosterone and its 5 α -reduced metabolites. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 431-438, 1973.

(9) Hormone Receptors and Binding Sites

aulieu EE (Lab. Hormones-F 94-Bicetre, France) Elements of a forward approach to the mechanism of androgen action. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 149-156, 1973.

riksson H, Sodersten P (Dept. Psychology, Univ. Goteborg, Banehagsgatan 1, UPPG. 6, S-41451 Goteborg, Sweden) A failure to facilitate lordosis behavior in adrenalectomized and gonadectomized estrogen-primed rats with monoamine-synthesis inhibitors. Horm Behav 4(1-2):89-97, 1973.

oft D (Dept. Obstetrics & Gynecology, Vanderbilt Univ. School Medicine, Nashville, TN) Steroid hormone receptors in reproductive tissues. Obstet Gynecol Annu 2:405-430, 1973. 125 references.

(10) Drug Effects

- Aref I, Hefnawi F, Kandil O (International Program in Physiology of Reproduction, Wayne State Univ., Detroit, MI) Changes in human ovaries after long-term administration of microdose progestogens. *Contraception* 7(6): 503-513, 1973.
- Beyer C, Larsson K, Perez-Palacios G, Morali G (Dept. Investigacion Científica Inst. Mexicano Del Seguro Social, Apdo Postal 73032, Mexico, 73, DF) Androgen structure and male sexual behavior in the castrated rat. *Horm Behav* 40(1-2):99-108, 1973.
- Carter CS, Michael SJ, Morris AH (Dept. Psychology, Univ. Illinois, Champaign IL 61820) Hormonal Induction of female sexual behavior in male and female hamsters. *Horm Behav* 4(1-2):129-141, 1973.
- Cheng MF, Lehrman DS (Inst. Animal Behavior, Rutgers State Univ., Newark, NJ 07102) Relative effectiveness of diethylstilbestrol and estradiol benzoate in inducing female behavior patterns of ovariectomized ring doves (*Streptopelia risoria*.) *Horm Behav* 4(1-2):123-127, 1973.
- Christakos SS Structural and functional effects of neonatal sterilization in the female rat. Ph.D. thesis, Wake Forest Univ. pp. 1-162, 1973. Abstract in Dissertation Abst Int (B) 34(2):828, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-19, 182.
- Coutinho EM, Melo JF (Maternidade Climerio de Oliveira, Fed. Univ. Bahia, Bahia, Brazil) Successful inhibition of spermatogenesis in man without loss of libido: a potential new approach to male contraception. *Contraception* 8(3):207-217, 1973.
- Diamond M, Llacuna A, Wong CL (Dept. Anatomy Reproductive Biology, Univ. Hawaii School Medicine, Honolulu, HI 96822) Sex behavior after neonatal progesterone, testosterone, estrogen, or antiandrogens. *Horm Behav* 4(1-2):73-88, 1973.
- Franchimont P (Radioimmunoassay Lab., Inst. Medicine, Univ. Liege, Liege, Belgium) Human gonadotropin secretion in male subjects. In: Endocrine Function of the Human Testis, Vol. 1, ed. by V.H.T. James, M. Serio and L. Martini. New York, Academic Press. pp. 439-458, 1973.
- Frick J (Dept. Urology, Univ. Innsbruck, Innsbruck, Austria) Control of spermatogenesis in men by combined administration of progestin and androgen. *Contraception* 8(3):191-206, 1973.
- Glover TD, Racey PA (Reprod. Res. Information Service Ltd., 141 Newmarket Rd. Cambridge CB58HA, England) Bibliography on effect of chemical agents and hormones on spermatogenesis and the epididymis. (Suppl. to no. 18 in this series.) *Bibliogr Reprod* 21(4):NP, 1973. The bibliography covers the literature for Jan 1969 - Dec 1972.

hansson EDB (Dept. Obstetrics Gynecology, Univ. Hospital, S-750 14 Uppsala, Sweden) Inhibition of the Corpus luteum function in women taking large doses of diethylstilbestrol. Contraception 8(1):27-35, 1973.

hansson EDB, Nygren K-G (Dept. Obstetrics & Gynecology, Univ. Hospital, Uppsala, Sweden) Depression of plasma testosterone levels in men with norethindrone. Contraception 8(3):219-226, 1973.

mperti AA. Effects of mercury on the reproductive system of the female golden hamster. Ph.D. thesis, Univ. Cincinnati, 1973. pp. 1-78 Abstract in Dissertation Abst Int (B) 34(5):1839, 1973. Dissertation available for a fee from Xerox University Microfilms, P. O. Box 1764, Ann Arbor, MI 48106, order no. 73-25,105.

as JW, Redmond DE, Gauwen R Effects of serotonin depletion on behavior in monkeys. In" Serotonin and Behavior, ed. by J. Barchas and E. Usdin. New York, Academic Press, 1973. pp. 351-356.

kino T, Takahashi M, Yoshinaga K, Greep RO (Lab. Human Reproduction & Reproductive Biology, Harvard Medical School, Boston, MA 02115) Ovulation blockade in rats by rabbit anti-luteinizing hormone releasing factor serum. Contraception 8(2):133-143, 1973.

kano Y, Nagayama Y, Fukase M (Second Div., Dept. Internal Medicine, Kyoto Univ. School Medicine, Kyoto, Japan) (Release of LH and FSH after administration of synthetic LH-releasing hormone in healthy men) Jap Arch Int Med 20(2):45-54, 1973 (Jpn)

trini A Changes in brain serotonin level and male sexual behavior. In: Serotonin and Behavior, ed. by J. Barchas and E. Usdin. New York, Academic Press, 1973. pp. 365-370.

(11) Lesions, Stimulations, Stresses

chle W (Inst. Veterinary Science, Syntex Research, Palo Alto, CA 94304) Coitus-induced ovulation. Contraception 7(6):523-564, 1973.

tti G, Azzena GB, Rolandi E, Marini R (1st. Patologia Speciale Medica dell'Univ. Sassari, Viale S. Pietro 12, 07100 Sassari, Italy) Effects of hypothalamic electrical stimulation on the urinary testosterone glycuronide in the adult male rat. Horm Res 4(4):197-206, 1973.

rcus SL (Dept. Obstetrics Gynecology, Cornell Medical College, New York, NY) Luteal function following hysterectomy. Fogarty Int Center Proc 8:471-481, 1973.

(12) Rhythms and Cycles

lawy AM, El-Bashary AS, Mohsen MKM (Animal Production Dept., Faculty Agriculture, Univ. Alexandria, Alexandria, Egypt) Post-puberty estrus cycle and gestation period of female angora goats. Alexandria J Agric Res 20(1):27-30, 1972.

- Bonney RC, Furr BJA, Cunningham FJ (Dept. Physiology & Biochemistry, The University, Whiteknights, Reading, England) Radioimmunoassay of luteinising hormone and progesterone during the ovulatory cycle of the hen Gallus domesticus. Vet Res 93(3):76, 1973. Abstract only.
- Chatterton RT (Dept. Obstetrics & Gynecology, Abraham Lincoln Sch. Medicine, Univ. Illinois Medical Ctr., Chicago, IL) Radioligand assays of steroids in obstetrics. Obstet Gynecol Annu 2:431-454, 1973.
- Heap RB, Gwyn M, Laing JA, Walters DE (A.R.C. Inst. Animal Physiology, Babrah Cambridge, England) Pregnancy diagnosis in cows: changes in milk progesterone concentration during the oestrous cycle and pregnancy measured by a rapid radioimmunoassay. J Agric Sci (Lond) 81(1):151-157, 1973.
- Katongola CB, Naftolin F, Younglai EV (Dept. Vet. Clinical Studies, ARC Unit Reprod. Physiol & Biochem, Cambridge, England) Diurnal variations in ovarian steroids and luteinizing hormone in cows at oestrus. Steroids Lipids Res 4(1):1-5, 1973.
- Lewis PE Control of estrus and ovulation in the ewe. Ph.D. thesis, West Virginia Univ. pp. 1-72, 1972. Abstract in Dissertation Abst Int (B) 33(12 pt1): 6048, 1973. Copies available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-12, 970.
- Mutere FA (Dept. Zoology, Univ. Nairobi, Nairobi, Kenya) A comparative study of reproduction in two populations of the insectivorous bats, Otomops martiensseni, at latitudes 1degree5's and 2degree30's. J Zool (Lond) 171(1):79-92, 1973.
- Noble R (Wisconsin Regional Primate Research Center, Univ. Wisconsin, Madison WI 53706) Hormonal control of receptivity in female quail (Coturnix coturnix japonica.) Horm Behav 4(1-2):61-72, 1973.
- Rubin RT, Gouin PR, Poland RE (Dept. Psychiatry, UCLA School Medicine, Harbor General Hospital Campus, Torrance, CA) Neuroendocrine correlates of sleep stages in man. In: Brain, Nerves, and Synapses, ed. by F.E. Bloom and G.H. Acheson, Vol. 4 of the Proceedings, 5th International Congress Pharmacology. Basel, Karger. pp. 124-133, 1973.
- Tsutsui T, Shimizu T (Lab. Veterinary Obstetrics Gynecology, Nippon Veterinary College, Masashino-Shi, Tokyo 180, Japan) (Studies on the physiology of reproduction in the dog I. Duration of estrus) Jap J Anim Reprod 18(4): 132-136, 1973 (Jap) English summary.
- Tyson JE, Friesen HG (Dept. Obstetrics & Gynecology, Johns Hopkins Hospital, Baltimore, MD 21205) Factors influencing the secretion of human prolactin and growth hormone in menstrual and gestational women. Am Obstet Gynecol 116(3):377-387, 1973.

(13) Sex Behavior and Social Influences

- Anisko JJ, Christenson T, Buehler MG (Dept. Psychology, Univ. California,

- Berkeley, CA 94720) Effects of androgen on fighting behavior in male and female mongolian gerbils (Meriones unguiculatus). Horm Behav 4(3):199-208, 1973.
- er C. Rivaud N (Dept. Investigacion Científica, Inst. Mexicano del Seguro Social, Apartado Postal 73-032, Mexico 73, D.F.) Differential effect of testosterone and dihydrotestosterone on the sexual behavior of prepuberally castrated male rabbits. Horm Behav 4(3):175-180, 1973.
- istensen LW, Coniglio LP, Paup DC, Clemens LG (Dept. Zoology, Michigan State Univ., East Lansing, MI 48823) Sexual behavior of male golden hamsters receiving diverse androgen treatments. Horm Behav 4(3):223-229, 1973.
- assa D, Davidson JM (Dept. Physiology, Stanford Univ. Medical Sch. Stanford, CA 94305) Effects of ovariectomy and constant light on responsiveness to estrogen in the rat. Horm Behav 4(3):269-279, 1973.
- elman R (Dept. Psychology, Rutgers Univ., 88 College Ave., New Brunswick, NJ 08903) The ontogeny of maternal responsiveness in female Rockland-Swiss albino mice. Horm Behav 4(3):257-268, 1973.
- t BL (Dept. Anatomy, Univ. California, Davis, CA 95616) Effects of testosterone propionate and dihydrotestosterone on penile morphology and sexual reflexes of spinal male rats. Horm Behav 4(3):239-246, 1973.
- elman-Temkin BR Effects of gonadal and gonadotropic hormones on centrally-elicited attack in male and female cats. Ph.D. thesis, Yale Univ., 1973. pp. 1-64. Abstract in Dissertation Abst Int(B) 34(5):2340, 1973. Dissertation available for a fee from Xerox University Microfilms, P.O. Box 1764, Ann Arbor, MI 48106, order no. 73-26,302.
- embrot CC Estradiol in ring doves (Streptopelia risoria). Ph.D. thesis, Duke Univ., 1973. pp. 1-88. Abstract in Dissertation Abst Int (B) 34(5):2265, 1973. Dissertation available for a fee from Xerox University Microfilms, P.O. Box 164, Ann Arbor, MI 48106, order no. 73-22,979.
- oe DR, Erickson CJ (Psychol. Dept., Marietta Coll., Marietta, OH 45750) Ovarian activity of female ring dove (Streptopelia risoria) exposed to marginal stimuli from males. Physiol Psychol 1(3):281-283, 1973.
- , CT, Griffio W (Brooklyn College of the City Univ. New York, Brooklyn, NY 11210) Early androgenization and aggression pheromene in inbred mice. Horm Behav 4(3):181-189, 1973.
- nael RP, Wilson M, Plant TM (Dept. Psychiatry, Emory Univ., Atlanta, GA 30322) Sexual behavior of male primates and the role of testosterone. In: Comparative Ecology and Behavior of Primates, ed. by R.P. Michael and J.H. Crook. London, Academic Press, 1973. pp. 235-313.
- enix CH, Jensen JN (Primate Behavior Section, Oregon Regional Primate Res. Ctr., Beaverton, OR 97005) Ejaculation by male rhesus in the absence of female partners. Horm Behav 4(3):231-238, 1973.

Slotnick BM (Lab. Brain Evolution and Behavior, NIMH, Bethesda, MD 20014)
Initiation of maternal behavior in pregnant nulliparous rats. *Horm Behav*
4(1-2):53-59, 1973.

Sodersten P (Dept. Psychology, Banehagsgatan 1, Uppg. 6, S-414 51, Goteborg,
Sweden) Estrogen-activated sexual behavior in male rats. *Horm Behav*
4(3):247-256, 1973.

Walker AE (Univ. New Mexico, 1000 Stanford Dr., Albuquerque, NM 87108) Man
and his temporal lobes. John Hughlings Jackson lecture. *Surg Neurol*
1(2):69-79, 1973.

(14) Sex Differentiation and Development

De Moor P, Verhoeven G, Heyns W (Rega Inst., Lab. Voor Experimentele Genees-
kunde, Katholieke Univ. te Leuven, Belgium) Permanent effects of foetal
and neonatal testosterone secretion on steroid metabolism and binding.
Differentiation 1(3):241-253, 1973.

Hahn JD, Hasselbach CV, Berger B, Elger W, Newmann F (Research Lab., Scherling
AG Berlin, Germany) Sexual differentiation of the hypothalamic "prolactin
inhibiting factor center" and other brain areas. In: Endocrine Function
of the Human Testis, Vol. 1. ed. by V.H.T. James, M. Serio and L. Martini.
New York, Academic Press. pp. 313-341, 1973.

Meisner DM Characterization of alterations in pituitary gonadotropin function
in the estrogen-sterilized female rat. Ph.D. thesis, Univ. Cincinnati.
pp. 1-237, 1973. Abstract in *Dissertation Abst Int* (B) 34(4):1715, 1973.
Copies available for a fee from Xerox University Microfilms, P.O. Box 1764
Ann Arbor, MI 48106, order no. 73-24, 853.

Nikitina MM, Sokolova EV (The folliclestimulating activity of the hypophysis
in the course of ontogenesis in intact rats and rats androgenized at the
early postnatal period) *Vestn Moskov Univ (Biol)* No. 2:17-22, 1973 (Rus)
English abstract.

Takeishi M, Matsumoto H, Ando Y, Tsunekane T (College Agriculture Veterinary
Medicine, Nihon Univ., Setagaya-Ku, Tokyo 154, Japan) (Studies on plasma
testosterone and testicular function of bovine fetus) *Jap J Anim Reprod*
18(4):148-154, 1973 (Jap)

Vale JR, Ray D, Vale CA (Dept. Psychology, Bowling Green State Univ., Bowling
Green, OH) The interaction of genotype and exogenous neonatal androgen
and estrogen: sex behavior in female mice. *Dev Psychobiol* 6(4):319-327,
1973.

Van Wagenen G, see under "General articles, reviews and books."

(1) Books, Reviews and Theoretical Discussions

(2) Neurophysiology -- General

(3) Neurophysiology of the Visual System

(4) Physiology (Autonomic, Metabolic, Motor)

(5) Biochemistry, Pharmacology

(5A) Endocrinology

Arboosingh J, Doig A (Simpson memorial maternity Pavilion, Royal Infirmary, Edinburg EH3 9YW, Scotland) Renal nyctohemeral excretory patterns of water and solutes in normal human pregnancy. J Obstet Gynecol 116(5): 609-615, 1973.

Bin RT, Gouin PR, Poland RE (Dept. Psychiatry, UCLA School of Medicine, Harbor General Hospital Campus, Torrance, CA) Neuroendocrine correlates of sleep stages in man. In: Brain, Nerves, and Synapses, ed. by F.E. Bloom and G.H. Acheson. Vol. 4 of the Proceedings, 5th International Congress of Pharmacology. Basel, Karger, 1973. pp. 124-133.

(6) Ontology

(7) Phylogeny

(8) Behavior (Conditioning, Performance, Discrimination)

(9) Sleep Cycle in the Human Adult

(10) Dreaming (Physiology and Behavior)

(11) Special Features of Dream Recall

(12) Effects of External Stimuli

(13) Patterns of Dream Content

(14) Hypnosis

(15) Personality and Psychopathology

(16) Pathology and Disorders Associated with Sleep

(17) Sleep Deprivation (Total and Selective)

(18) Electrosleep

- (19) Instrumentation and Methodology
- (20) Biological Rhythms and Altered Environments

CYCLIC NUCLEOTIDES

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE

Protein kinases and protein kinase substrates. Langan TA. *Adv Cyclic Nucleotide Res* 3:99-153, 1973 (252 ref.)

The chemistry and biological properties of nucleotides related to nucleoside 3',5'-cyclic phosphates. Simon LN, et al.

Adv Cyclic Nucleotide Res 3:225-353, 1973 (261 ref.)

Cyclic GMP and gastric acid secretion. Amer MS. *Am J Dig Dis* 19:71-4, Jan 74 (19 ref.)

Comparison between rat and rabbit anticyclic AMP antibodies--specificity toward acyl derivatives of cyclic AMP. Cailla HL, et al.

Anal Biochem 56:383-93, Dec 73

Improved rapidity and precision in the determination of brain 2',3'-cyclic nucleotide 3'-phosphohydrolase. Prohaska JR, et al. *Anal Biochem* 56:275-82, Nov 73

The phosphorylation of troponin B by phosphorylase h kinase in skeletal muscle of mice carrying the phosphorylase h kinase deficiency gene. Gross SR, et al. *Biochem Biophys Res Commun* 54:823-30, 18 Sep 73

Activity of tuhercidin-, toyocomylin-, and sangivamylin-3',5'-cyclic phosphates and related compounds with some enzymes of adenosine-3',5'-cyclic phosphate metabolism. Miller JP, et al.

Biochem Biophys Res Commun 55:843-9, 10 Dec 73

Effect of cyclic nucleotides on activity of cyclic 3',5'-adenosine monophosphate phosphodiesterase. Harris DN, et al.

Biochem Pharmacol 22:221-8, 15 Jan 73

Phosphorylation of muscle proteins by cyclic adenosine 3',5'-monophosphate-dependent protein kinase from muscle. Sands H, et al.

Biochim Biophys Acta 321:489-95, 10 Oct 73

Protein kinases. Krebs EG.

Curr Top Cell Regul 5:99-133, 1972 (185 ref.)

Mode of action of N6-O2'-dibutyryl cyclic 3',5' AMP on fat cell metabolism. Jarrett L, et al.

Diabetes 23:29-40, Jan 74

Inhibition of cyclic 3',5'-nucleotide phosphodiesterase activity by diuretics and other agents. Gadd RE, et al.

Experientia 29:1217-9, 15 Oct 73

Effect of diabetes and insulin on the rat heart adenylyl cyclase, cyclic AMP phosphodiesterase and cyclic AMP. Das I. *Horm Metab Res* 5:330-3, Sep 73

Chicken liver phosphofructokinase. II. Cold inactivation. Kono N, et al.

J Biol Chem 248:8603-9, 25 Dec 73

Cyclic adenosine 3':5'-monophosphate-dependent protein kinase. Neelon FA, et al.

J Biol Chem 248:361-5, 25 Dec 73

Potential antidiabetic agents.

Pyrazolo(3,4-b)pyridines. Höhn H, et al.

J Med Chem 16:1340-6, Dec 73

Phosphorylation of cardiac native tropomyosin and troponin: Inhibitory effect of actomyosin and possible presence of endogenous myofibrillar-located cyclic-AMP-dependent protein kinase. Reddy YS, et al. *J Mol Cell Cardiol* 5:461-71, Oct 73

Antibronchoconstrictor activity of two new phosphodiesterase inhibitors, a triazolopyrazine (ICI 58 301) and a triazolopyrimidine (ICI 63 197). Davies GE. *J Pharm Pharmacol* 25:681-9, Sep 73

Oestradiol-17beta: its influence on cyclic 3',5'-adenosine monophosphate phosphodiesterase and 5'-nucleotidase in the cervicovaginal epithelium of

neonatal mice. Higazi MG, et al.

J Reprod Fertil 36:135-9, Jan 74

Adenylyl cyclase and cyclic AMP phosphodiesterase of normal and Rous sarcoma virus transformed chicken embryo fibroblasts. Russell TR, et al.

J Supramol Struct 1:382-4, 1973

Chemotaxis, signal relaying and aggregation morphology. Nanjundiah V.

J Theor Biol 42:63-105, 5 Nov 73

Possibilities for drug development based on the cyclic AMP system. Amer MS, et al.

Life Sci 13:753-67, 1 Oct 73 (93 ref.)

Regulation of nucleoside cyclic 3':5'-monophosphate phosphodiesterase activity from rat brain by a modulator and Ca²⁺. Kakiuchi S, et al.

Proc Natl Acad Sci USA 70:3526-30, Dec 73

Rate control by insulin and its mechanism. Randle PJ, et al. *Symp Soc Exp Biol* 27:401-28, 1973 (160 ref.)

ADMINISTRATION & DOSAGE

The reversal of experimental vasospasm by dihydroxy-3',5'-adenosine monophosphate. Peterson EW, et al. *J Neurosurg* 39:730-4, Dec 73

Letter: Topical application of cyclic AMP in psoriasis. Auerbach R. *JAMA* 227:326-7, 21 Jan 74

ANALYSIS

Adenosine 3',5' cyclic monophosphate assay at 10-15 mole level. Cailla HL, et al.

Anal Biochem 56:394-407, Dec 73

Localization and correlation of catecholamine-containing cells with adenylyl cyclase and phosphodiesterase activities in the human fetal heart. Dall WG Jr, et al. *Anat Rec* 177:265-87, Oct 73

Antilipolytic action of tolbutamide in isolated fat cells of the rat. Allen DO, et al. *Diabetes* 23:51-4, Jan 74

Cyclic-AMP and the ocular responses to norepinephrine. Radius R, et al.

Exp Eye Res 17:219-29, 11 Nov 73

Hormone-like activity of a thymus humoral factor on the induction of immune competence in lymphoid cells. Kook AI, et al. *J Exp Med* 139:193-207, 1 Jan 74

Proceedings: Relation of cyclic AMP to sperm motility. Tash J, et al. *J Reprod Fertil* 35:591, Dec 73

Glucagon stimulation of hepatic gluconeogenesis in rats fed a high-protein, carbohydrate-free diet. Eisenstein AB, et al. *Metabolism* 23:15-23, Jan 74

The role of cyclic AMP in mesenteric vasodilation. Shepherd AP, et al. *Microvasc Res* 6:332-41, Nov 73

Cyclic AMP and its relation to clinical chemistry. Oye I. *Scand J Clin Lab Invest* 32:189-92, Nov 73 (5 ref.)

ANTAGONISTS & INHIBITORS

Effect of a sulphated glycopeptide on rat gastric acid secretion stimulated by histamine, bethanechol, pentagastrin and dibutyryl cyclic AMP. Nlada R, et al.

Br J Pharmacol 48:550-2, Jul 73

Effect of certain halogenated hydrocarbon insecticides on cyclic adenosine 3',5'-monophosphate-3H formation by rat kidney cortex. Kacew S, et al.

J Pharmacol Exp Ther 188:265-76, Jan 74

BIOSYNTHESIS

Substances that inhibit the actions of prostaglandins. Sanner JH.

Arch Intern Med 133:133-46, Jan 74 (210 ref.)

Effects of prostaglandin antagonists on the induction of cyclic 3',5'-adenosine monophosphate formation and thyroid hormone secretion in vitro. Burke G. *Endocrinology* 91:91-6, Jan 74

Cyclic AMP, pattern formation and movement in the slime mould, *Dictyostellum discoideum*. Garrod DR, et al. *Exp Cell Res* 81:492-5, Oct 73

Evidence for interdependent action of glucagon and nucleotides on the hepatic adenylate cyclase system. Rodbell M, et al. *J Biol Chem* 249:59-65, 10 Jan 74

Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsb JM, et al.

J Clin Endocrinol Metab 38:99-106, Jan 74

Effect of glucagon on net splanchnic cyclic AMP production in normal and diabetic men. Liljenquist JE, et al. *J Clin Invest* 53:198-204, Jan 74

Production of cyclic AMP and adenosine by the brain and prothoracic glands of *Manduca sexta*. Vedeckis WV, et al. *J Insect Physiol* 19:2445-57, Dec 73

Letter: Lipolysis induced by coffee and tobacco: its modification by insulin. Portugal-Alvarez J, et al. *J Pharm Pharmacol* 25:668-9, Aug 73

Effect of certain halogenated hydrocarbon insecticides on cyclic adenosine 3',5'-monophosphate-3H formation by rat kidney cortex. Kacew S, et al. *J Pharmacol Exp Ther* 188:265-76, Jan 74

Dopaminergic denervation supersensitivity and dopamine stimulated adenyl cyclase activity. Von Voigtlander PF, et al.

Neuropharmacology 12:1081-6, Nov 73

Cyclic adenosine monophosphate: selective increase in caudate nucleus after administration of L-dopa. Garelli E, et al. *Science* 183:532-3, 8 Feb 74

Thymus adenylate cyclase activity during murine leukemogenesis. Kemp RG, et al.

Science 183:218-9, 18 Jan 74

[The role of cyclic AMP for the function of the peripheral and central nervous system (author's transl)] Müller-Oerlinghausen B, et al.

Fortschr Neurol Psychiatr 41:509-26, Sep 73 (Eng. Abstr.) (Ger)

BLOOD

Clinical studies and applications of cyclic nucleotides. Murad F.

Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.) Prostaglandins in hematology. Allen JE, et al.

Arch Intern Med 133:86-96, Jan 74 (61 ref.) Prostaglandins, inflammation, and asthma. Zurier RB.

Arch Intern Med 133:101-10, Jan 74 (145 ref.) A simplified competitive protein-binding assay for adenosine 3',5'-monophosphate in plasma. Latner AL, et al. *Clin Chim Acta* 48:353-7, 15 Nov 73

Cyclic AMP metabolism in asthma: studies with leukocytes and lymphocytes. Gillespie E, et al. *J Allergy Clin Immunol* 53:27-33, Jan 74

Plasma clearance rates and renal clearance of 3H-labeled cyclic AMP and 3H-labeled cyclic GMP in the dog. Blonde L, et al. *J Clin Invest* 53:163-72, Jan 74

Effect of glucagon on net splanchnic cyclic AMP production in normal and diabetic men. Liljenquist JE, et al. *J Clin Invest* 53:198-204, Jan 74

Sources of cyclic nucleotides in plasma. Wehmann RE, et al. *J Clin Invest* 53:173-9, Jan 74

Immunotherapy. Areas of doubt. Rose B. *Med Clin North Am* 58:127-33, Jan 74 (26 ref.)

Specific photoaffinity labelling of the adenosine 3',5'-cyclic monophosphate receptor in intact ghosts from human erythrocytes. Guthrow CE, et al.

Proc Natl Acad Sci USA 70:3344-6, Dec 73

CEREBROSPINAL FLUID

Simulated behavior states: an approach to specificity in psychobiological research. Post RM, et al. *Biol Psychiatry* 7:237-54, Dec 73 (90 ref.)

ISOLATION & PURIFICATION

Cyclic adenosine 3',5'-monophosphate-dependent protein kinase. Neelon FA, et al. *J Biol Chem* 248:361-5, 25 Dec 73

METABOLISM

Adrenergic, cholecystokinetic and morphine-induced effects on extra-hepatic biliary motility. Persson CG. *Acta Physiol Scand [Suppl]* 383:1-32, 1972

Clinical studies and applications of cyclic nucleotides. Murad F.

Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.) Prostaglandins and the central nervous system. Coceani F.

Arch Intern Med 133:119-29, Jan 74 (128 ref.) Adenyl cyclase in normal and pathologic human muscle.

Mawatari S, et al. *Arch Neurol* 30:98-102, Jan 74 Regulation by beta-adrenergic receptor and muscarinic cholinergic receptor activation of intracellular cyclic AMP and cyclic GMP levels in rat lung slices. Kuo JF, et al.

Biochem Biophys Res Commun 55:660-5, 10 Dec 73 Levels of cyclic AMP in murine L5178Y lymphoblasts grown in different concentrations of serum. Monahan TM, et al.

Biochem Biophys Res Commun 55:642-6, 10 Dec 73 Cyclic changes in levels of cyclic AMP and cyclic GMP in frog myocardium during the cardiac cycle.

Wollenberger A, et al. *Biochem Biophys Res Commun* 55:446-52, 16 Nov 73

Periodic change in the content of adenosine 3',5'-cyclic monophosphate with close relation to the cycle of cleavage in the sea urchin egg. Yasumasu I, et al.

Biochem Biophys Res Commun 54:628-32, 18 Sep 73 Effects of some isoquinoline compounds and certain derivatives on brain phosphodiesterase activity.

Furlanut M, et al. *Biochem Pharmacol* 22:2642-4, 15 Oct 73

Effect of cyclic nucleotides on activity of cyclic 3',5'-adenosine monophosphate phosphodiesterase. Harris DN, et al.

Biochem Pharmacol 22:221-8, 15 Jan 73 Effect of ethanol administration on cyclic 3',5'-adenosine monophosphate metabolism in brain.

Kuriyama K, et al. *Biochem Pharmacol* 22:2919-22, 15 Nov 73

Effects of adrenochrome and sodium perborate on isolated fat cell metabolism. Wieser PB, et al. *Biochem Pharmacol* 22:3209-16, 15 Dec 73

The relation of adenyl cyclase to the activity of other ATP utilizing enzymes and phosphodiesterase in preparations of rat brain; mechanism of stimulation of cyclic AMP accumulation by adrenaline, ouabain and Mn⁺⁺. Katz S, et al. *Br J Pharmacol* 48:516-26, Jul 73

The relation of adenyl cyclase to the activity of other ATP utilizing enzymes and phosphodiesterase in preparations of rat brain; mechanism of stimulation of cyclic AMP accumulation by NaF. Katz S, et al.

Br J Pharmacol 48:505-15, Jul 73 Effect of psychotropic drugs on phosphodiesterase and cyclic AMP level in rat brain in vivo. Berndt S, et al.

Brain Res 63:303-12, 7 Dec 73 The catecholamines: reappraisal of their use for acute myocardial infarction and the low cardiac output syndromes. Kones RJ.

Crit Care Med 1:203-20, Jul-Aug 73 (173 ref.) Antilipolytic action of tolbutamide in isolated fat cells of the rat. Allen DO, et al. *Diabetes* 23:51-4, Jan 74

Calcitonin and the formation of 3',5'-AMP in bone and kidney. Heersche JN, et al.

Endocrinology 91:241-7, Jan 74 Mechanism of action of gonadotropin. IV. Cyclic adenosine monophosphate-dependent translocation of ovarian cytoplasmic cyclic adenosine monophosphate-binding protein and protein kinase to nuclear acceptor sites. Jungmann RA, et al.

Endocrinology 91:168-83, Jan 74 Cyclic 3',5'-adenosine monophosphate in isolated bone cells. II. Responses to adenosine and parathyroid hormone. Peck WA, et al.

Endocrinology 91:148-54, Jan 74 Cyclic AMP, pattern formation and movement in the slime mould, *Dictyostellum discoideum*. Garrod DR, et al. *Exp Cell Res* 81:492-5, Oct 73

Protein kinase and cyclic AMP-binding activities in liver and adipose tissue of normal, streptozotocin-diabetic and adrenalectomized rats. Zapf J, et al. *FEBS Lett* 36:253-6, 1 Nov 73

The production of migration inhibitory factor (MIF) in rabbit lymphocytes by other than immunological mechanism. Pekárek J, et al.

Folia Microbiol (Praha) 18:393-401, 1973 Effect of diabetes and insulin on the rat heart adenyl cyclase, cyclic AMP phosphodiesterase and cyclic AMP. Das I. *Horm Metab Res* 5:330-3, Sep 73

Cyclic AMP metabolism in asthma: studies with leukocytes and lymphocytes. Gillespie E, et al. *J Allergy Clin Immunol* 53:27-33, Jan 74

Effects of ouabain on catecholamine-stimulated sodium

- transport in turkey erythrocytes. Gardner JD, et al. *J Biol Chem* 249:516-20, 25 Jan 74
- Hormonal control of glycogenolysis and gluconeogenesis in isolated rat liver cells. Garrison JC, et al. *J Biol Chem* 248:5333-43, 10 Aug 73
- Adenosine 3':5'-monophosphate-dependent protein kinase from yeast. Takai Y, et al. *J Biol Chem* 249:530-5, 25 Jan 74
- Plasma clearance rates and renal clearance of 3H-labeled cyclic AMP and 3H-labeled cyclic GMP in the dog. Blonde L, et al. *J Clin Invest* 53:163-72, Jan 74
- Effect of bistamine and its methyl derivatives on cyclic AMP metabolism in gastric mucosa and its blockade by an H2 receptor antagonist. Dousa TP, et al. *J Clin Invest* 53:334-7, Jan 74
- The rapid changes of hepatic glycolytic enzymes and fructose-1,6-diphosphatase activities after intravenous glucagon in humans. Greene HL, et al. *J Clin Invest* 53:44-51, Jan 74
- Hemolytic plaque formation by leukocytes in vitro. Control by vasoactive hormones. Melmon KL, et al. *J Clin Invest* 53:13-21, Jan 74
- Separation of specific antibody-forming mouse cells by their adherence to insolubilized endogenous hormones. Melmon KL, et al. *J Clin Invest* 53:22-30, Jan 74
- Stimulation of intestinal adenylyl cyclase by Escherichia coli enterotoxin: comparison of strains from an infant and an adult with diarrhea. Kantor HS, et al. *J Infect Dis* 129:1-9, Jan 74
- Synthesis and enzymic studies of 5-aminimidazole and N-1-and N6-substituted adenine ribonucleoside cyclic 3',5'-phosphates prepared from adenosine cyclic 3',5'-phosphate. Meyer RB Jr, et al. *J Med Chem* 16:1319-23, Dec 73
- Characteristics of the catecholamine and histamine receptor sites mediating accumulation of cyclic adenosine 3',5'-monophosphate in guinea pig brain. Chasin M, et al. *J Neurochem* 21:1415-27, Dec 73
- Accumulation of cyclic adenosine 3',5'-monophosphate in cerebral cortical slices from rat and mouse: stimulatory effect of alpha- and beta-adrenergic agents and adenosine. Schultz J, et al. *J Neurochem* 21:1319-26, Nov 73
- The release of histamine from tissue slices of rat hypothalamus. Taylor KM, et al. *J Neurochem* 21:1215-23, Nov 73
- Blockade by burimamide of the effects of histamine and histamine analogs on cardiac contractility, phosphorylase activation and cyclic adenosine monophosphate. McNeill JH, et al. *J Pharmacol Exp Ther* 188:180-8, Jan 74
- Studies on cyclic nucleotides in the adrenal gland. II. Properties of cyclic AMP dependent protein kinases in the adrenal gland. Shima S, et al. *Jap J Pharmacol* 23:515-22, Aug 73
- Possibilities for drug development based on the cyclic AMP system. Amer MS, et al. *Life Sci* 13:753-67, 1 Oct 73 (93 ref.)
- The role of cyclic nucleotides in visual excitation. Bitensky MW, et al. *Life Sci* 13:1451-72, 1 Dec 73 (37 ref.)
- Role of cyclic AMP in the action of antidiuretic hormone on kidney. Dousa TP. *Life Sci* 13:1033-40, 16 Oct 73 (22 ref.)
- The influence of p,p'-DDT, alpha-chlordane, heptachlor and endrin on hepatic and renal carbohydrate metabolism and cyclic AMP-adenyl cyclase system. Kacew S, et al. *Life Sci* 13:1363-71, 16 Nov 73
- The role of cyclic AMP in mesenteric vasodilation. Sheperd AP, et al. *Microvasc Res* 6:332-41, Nov 73
- Accumulation of adenosine cyclic 3',5'-monophosphate in rat cerebral cortical slices. Stimulatory effect of alpha and beta adrenergic agents after treatment with 6-hydroxydopamine, 2,3,5-trihydroxyphenethylamine, and dihydroxytryptamine. Huang M, et al. *Mol Pharmacol* 9:711-7, Nov 73
- Regulation of the adenosine cyclic 3',5'-monophosphate content of rat cerebral cortex: ontogenetic development of the responsiveness to catecholamines and adenosine. Perkins JP, et al. *Mol Pharmacol* 9:774-82, Nov 73
- Enzyme aspects of acute intermittent porphyria. Tschudy DP. *Mol Cell Biochem* 2:63-70, 15 Nov 73
- Phospholipids in biology and medicine (first of two parts). Jackson RL, et al. *N Engl J Med* 290:24-9, 3 Jan 74
- Leakage of cyclic AMP from human diploid fibroblasts in tissue culture. Franklin TJ, et al. *Nature [New Biol]* 246:119-20, 28 Nov 73
- Hormone-induced desensitization of hormonal control of cyclic AMP levels in human diploid fibroblasts. Franklin TJ, et al. *Nature [New Biol]* 246:146-8, 5 Dec 73
- The effect of prostaglandin E1 on norepinephrine-induced membrane depolarization and cyclic AMP accumulation in brown fat cells. Moskowitz J, et al. *Pharmacology* 10:129-35, 1973
- Specific photoaffinity labeling of the adenosine 3':5'-cyclic monophosphate receptor in intact ghosts from human erythrocytes. Guthrow CE, et al. *Proc Natl Acad Sci USA* 70:3344-6, Dec 73
- Role of cyclic 3':5'-adenosine monophosphate in the early transport changes induced by serum and insulin in quiescent fibroblasts. Rozengurt E, et al. *Proc Natl Acad Sci USA* 70:3609-12, Dec 73
- Proceedings: Lectin monitored surface changes in transformed and mitotic normal cells. Burger MM. *Proc Natl Cancer Conf* 7:405-14, 1973
- Human neuroblastoma cell culture: effect of 5-bromodeoxyuridine on morphological differentiation and levels of neural enzymes. Prasad KN, et al. *Proc Soc Exp Biol Med* 144:38-42, 1 Oct 73
- Stimulation of cyclic AMP in the isolated perfused rat lung. Collins M, et al. *Res Commun Chem Pathol Pharmacol* 6:805-12, Nov 73
- Cyclic AMP and its relation to clinical chemistry. Oye I. *Scand J Clin Lab Invest* 32:189-92, Nov 73 (5 ref.)
- Protein kinase translocation as an early event in the hormonal control of uterine contraction. Korenman SG, et al. *Science* 183:430-2, 1 Feb 74
- Regulation of gene expression by cyclic AMP in Escherichia coli. De Crombrugge B, et al. *Symp Soc Exp Biol* 27:365-9, 1973 (24 ref.)
- Hormonal control of bone cell function. Rasmussen H. *Triangle* 12:103-9, 1973
- [Study of the action of a coronary dilator agent: (isoamylxy-3 (trimethoxy-3,4,5 benzoyloxy)-propyl)-4 tetrahydro-oxazine-1,4 hydrochloride (amoprostan) on the metabolism of adenylic derivatives] Roulet C, et al. *Therapie* 28:353-65, Mar-Apr 73 (Eng. Abstr.) (Fre)
- [Biochemical and histomorphological changes in experimental hexachlorobenzol porphyria (author's transl)] Iwanow E, et al. *Acta Hepatogastroenterol (Stuttg)* 20:39-48, Jan-Feb 73 (Eng. Abstr.) (Ger)
- [Stimulation of embryonic rat cells in culture by calf serum. VII. Decrease of intracellular cAMP level not caused by leakage of the nucleotide into the culture medium (author's transl)] Grimm J, et al. *Z Naturforsch [C]* 28:629-30, Sep-Oct 73 (Ger)
- [Active amine and hypothalamic cyclic AMP] Sato A, et al. *Clin Endocrinol (Tokyo)* 21:1035-8, Oct 73 (Jap)
- [Abnormal behavior caused by methylxanthines: a study of experimental Lesch-Nyhan syndrome] Sakata T, et al. *Jap J Clin Med* 31:2481-7, 10 Aug 73 (Jap)
- [Oncogenicity of avian sarcoma viruses (author's transl)] Toyoshima K. *Protein Nucleic Acid Enzyme (Tokyo)* 18:1076-84, Dec 73 (49 ref.) (Jap)
- [Significance of cyclic 3' 5'-AMP in the pathology of some skin diseases] Jacyk W. *Pol Tyg Lek* 28:1650-3, 15 Oct 73 (27 ref.) (Pol)

PHARMACODYNAMICS

- Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Andersson RG. *Acta Physiol Scand [Suppl]* 382:1-59, 1972
- Protein kinases and protein kinase substrates. Langan TA. *Adv Cyclic Nucleotide Res* 3:99-153, 1973 (252 ref.)
- The chemistry and biological properties of nucleotides related to nucleoside 3',5'-cyclic phosphates. Simon LN, et al. *Adv Cyclic Nucleotide Res* 3:225-353, 1973 (261 ref.)
- Adenosine metabolism: properties of dog heart microsomal 5'-nucleotidase. Olsson RA, et al. *Adv Exp Med Biol* 39:27-39, 1973
- Hormonal and dietary adaptation of rat pancreatic hydrolases before and after weaning. Deschodt-Lanckman M, et al. *Am J Physiol* 226:39-44, Jan 74
- Beta-adrenergic effects on rat myometrium: mechanisms of membrane hyperpolarization. Kroeger EA, et al. *Am J Physiol* 225:1339-45, Dec 73

- Effect of cyclic AMP, theophylline and caffeine on the glucose repression of sporulation in *Saccharomyces cerevisiae*. Tsuchi M, et al. *Arch Mikrobiol* 93:1-12, 4 Oct 73
- On the control mechanism of bacterial growth by cyclic adenosine 3',5'-monophosphate. De Robertis EM Jr, et al. *Biochem Biophys Res Commun* 55:758-64, 10 Dec 73
- The stimulation of dopa decarboxylase activity by ecdysone and its enhancement by cyclic AMP in adult mosquitoes. Fuchs MS, et al. *Biochem Biophys Res Commun* 54:784-9, 18 Sep 73
- Cyclic nucleotide-independent protein kinase from pea shoots. Keates RA. *Biochem Biophys Res Commun* 54:655-61, 18 Sep 73
- Activity of tuerchidin-, toyocomycin-, and sangivamycin-3',5'-cyclic phosphates and related compounds with some enzymes of adenosine-3',5'-cyclic phosphate metabolism. Miller JP, et al. *Biochem Biophys Res Commun* 55:843-9, 10 Dec 73
- The effect of cyclic AMP on anaerobic growth of *Escherichia coli*. Patrick JM, et al. *Biochem Biophys Res Commun* 54:555-61, 18 Sep 73
- Promotion of conidia aggregation in *Aspergillus niger* by cyclic AMP and 5'-GMP. Wold WS, et al. *Biochem Biophys Res Commun* 55:824-30, 10 Dec 73
- Hormonal regulation of glycogen metabolism in neonatal rat liver. Schwartz AL, et al. *Biochem J* 134:985-93, Aug 73
- Glucose metabolism in the newborn rat. Hormonal effects in vivo. Snell K, et al. *Biochem J* 134:899-906, Aug 73
- Phosphorylation of surface proteins of HeLa cells using an exogenous protein kinase and (gamma-32P)ATP. Kinzel V, et al. *Biochim Biophys Acta* 322:337-51, 18 Oct 73
- Calcium binding by a plasma membrane fraction isolated from rat submandibular glands. Nijjar MS, et al. *Biochim Biophys Acta* 323:391-5, 25 Oct 73
- Phosphorylation of muscle proteins by cyclic adenosine 3',5'-monophosphate-dependent protein kinase from muscle. Sands H, et al. *Biochim Biophys Acta* 321:489-95, 10 Oct 73
- The influence of extracellular calcium ion on hormone-activated lipolysis. Schimmel RJ. *Biochim Biophys Acta* 326:272-8, 29 Nov 73
- Some aspects of the inhibition of the action of antidiuretic hormone by lithium ions in the rat kidney and bladder of the toad *Bufo marinus*. Harris CA, et al. *Br J Pharmacol* 44:223-32, Feb 72
- Evidence against cyclic adenosine 3',5'-monophosphate (AMP) mediation of noradrenaline depression of cerebral cortical neurones. Lake N, et al. *Brain Res* 60:411-21, 12 Oct 73
- Cyclic adenosine 3',5'-monophosphate and cell volume. Curtis GL, et al. *Cancer Res* 33:3273-7, Dec 73
- Protein kinases. Krebs EG. *Curr Top Cell Regul* 5:99-133, 1972 (185 ref.)
- Human pancreatic islet tumor cells maintained in vitro. Yip CC, et al. *Diabetologia* 9:251-4, Aug 73
- Endocytosis in Chinese hamster fibroblasts. Inhibition by glucose. Becker G, et al. *Exp Cell Res* 82:310-4, Dec 73
- Activation of phosphorylase in sea urchin eggs by Ca²⁺ and cyclic 3',5'-AMP. A possible mechanism of the regulation of its activity at fertilization. Shoger RL, et al. *Exp Cell Res* 82:375-82, Dec 73
- Studies on cellular adhesion in tissue culture. XIIA. Some effects of prostaglandins and cyclic nucleotides. Weiss L. *Exp Cell Res* 81:57-62, Sep 73
- Effect of prostaglandin E1 on cholesterol biosynthesis in rat liver. Calandra S, et al. *Experientia* 29:1361-2, 15 Nov 73
- Novel type of catabolite repression in the pathway of gamma-aminobutyrate breakdown in *Escherichia coli* K-12. Dover S, et al. *FEBS Lett* 37:207-11, 1 Dec 73
- Poly (ADP-ribose) glycohydrolase in mouse fibroblast cells (LS cells). Stone PR, et al. *FEBS Lett* 36:334-8, 1 Nov 73
- Protein kinase and cyclic AMP-binding activities in liver and adipose tissue of normal, streptozotocin-diabetic and adrenalectomized rats. Zapf J, et al. *FEBS Lett* 36:253-6, 1 Nov 73
- Studies of effects of cyclic adenosine 3',5'-monophosphate in regulation of human hemopoiesis in vitro. Tisman G, et al. *In Vitro* 9:86-91, Sep-Oct 73
- Inhibitory and restorative effects of adenine nucleotides on rickettsial adsorption and hemolysis. Winkler HH. *Infect Immun* 9:119-26, Jan 74
- Regulation of maltodextrin phosphorylase synthesis in *Escherichia coli* by cyclic adenosine 3',5'-monophosphate and glucose. Chao J, et al. *J Bacteriol* 117:181-8, Jan 74
- Activation of Na-K activated ATPase in rat brain by catecholamine. Yoshimura K. *J Biochem (Tokyo)* 74:389-91, Aug 73
- Effect of cyclic adenosine 3',5'-monophosphate on ribosomal protein phosphorylation in reticulocytes. Cawthon ML, et al. *J Biol Chem* 249:275-8, 10 Jan 74
- Effects of ouabain on catecholamine-stimulated sodium transport in turkey erythrocytes. Gardner JD, et al. *J Biol Chem* 249:516-20, 25 Jan 74
- Hormonal control of glycogenolysis and gluconeogenesis in isolated rat liver cells. Garrison JC, et al. *J Biol Chem* 248:5333-43, 10 Aug 73
- Phosphorylation of adenosine triphosphate plasma membranes and properties of associated protein kinase. Lemay A, et al. *J Biol Chem* 249:323-8, 10 Jan 74
- The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. Mahaffee D, et al. *J Biol Chem* 249:227-33, 10 Jan 74
- Stimulation of taurodeoxycholate 7alpha-hydroxylase of rat liver by adenosine 3',5'-monophosphate and saturated fatty acids. Prager GN, et al. *J Biol Chem* 248:8442-8, 25 Dec 73
- Regulation of steroidogenesis by adrenocorticotrophic hormone in isolated adrenal cells of rats. Sharma RK. *J Biol Chem* 248:5473-6, 10 Aug 73
- Adenosine cyclic 3',5'-monophosphate-dependent protein kinase from rabbit erythrocytes. Purification and characterization of multiple forms. Tao M, et al. *J Biol Chem* 248:5324-32, 10 Aug 73
- Mechanisms of lysosomal enzyme release from human leukocytes. II. Effects of cAMP and cGMP, autonomic agonists, and agents which affect microtubule function. Zurier RB, et al. *J Clin Invest* 53:297-309, Jan 74
- Proceedings: The role of cyclic AMP in the action of androgens on rat ventral prostate gland. Mangan FR, et al. *J Endocrinol* 59:xvi-xvii, Nov 73
- The effects of derivatives of adenosine 3',5'-monophosphate on fluid secretion by the salivary glands of *Calliphora*. Berridge MJ. *J Exp Biol* 59:595-606, Dec 73
- Formation of extracellular haemolysin by *Aeromonas hydrophila* in relation to protease and staphylolytic enzyme. Wretling B, et al. *J Gen Microbiol* 78:57-65, Sep 73
- Contraction of isolated human breast cutaneous vascular smooth muscle. Winkelmann RK, et al. *J Invest Dermatol* 60:297-300, May 73
- Connective tissue activation. VI. The effects of cyclic nucleotides on human synovial cells in vitro. Castor CW. *J Lab Clin Med* 83:47-55, Jan 74
- Factors affecting glycogen levels in HeLa cells: prednisolone and adenine nucleotides. Melnykovych G, et al. *J Natl Cancer Inst* 51:353-60, Aug 73
- Activity of cyclic AMP-dependent microsomal protein kinase and phosphorylation of ribosomal protein in rat brain during postnatal development. Schmidt MJ, et al. *J Neurochem* 21:1193-205, Nov 73
- The reversal of experimental vasospasm by dibutyl-3',5'-adenosine monophosphate. Peterson EW, et al. *J Neurosurg* 39:730-4, Dec 73
- Proceedings: Regulation of steroid secretion in sheep ovarian follicles. McIntosh JE, et al. *J Reprod Fertil* 35:605-6, Dec 73
- Capacitation of epididymal spermatozoa in a medium with high K-Na ratio and cyclic AMP for the fertilization of rat eggs in vitro. Toyoda Y, et al. *J Reprod Fertil* 36:125-34, Jan 74
- The effect of cyclic AMP on membrane permeability. Handler JS. *J Supramol Struct* 1:380-1, 1973
- Effect of dibutyl cyclic AMP on the induction of Epstein-Barr virus in hybrid cells. Zimmerman JE Jr, et al. *J Virol* 12:1442-5, Dec 73
- Adrenergic receptors in rat liver. I. Effects of epinephrine and adrenergic blocking agents on gluconeogenesis in perfused liver. Hagino Y, et al. *Jap J Pharmacol* 23:543-51, Aug 73
- Effects of cyclic 3',5'-AMP and related compounds on catecholamine-induced contraction of isolated guinea-pig vas deferens. Iso T. *Jap J Pharmacol* 23:717-21, Oct 73
- Role of cyclic AMP in the action of antidiuretic hormone on kidney. Dousa TP. *Life Sci* 13:1033-40, 16 Oct 73 (22 ref.)

- The role of cyclic AMP in mesenteric vasodilation. Shepherd AP, et al. *Microvasc Res* 6:332-41, Nov 73
- The effect of caffeine on chromosomes of human lymphocytes: a search for the mechanism of action. Weinstein D, et al. *Mutat Res* 20:115-25, Oct 73
- mRNA transcription linked to the morphological and plasma membrane changes induced by cyclic AMP in tumour cells. Korinek J, et al. *Nature* 246:455-8, 21 Dec 73
- Differential inhibition of catabolite-sensitive enzyme induction by intercalating dyes. Sankaran L, et al. *Nature [New Biol]* 245:257-60, 31 Oct 73
- Specific photoaffinity labelling of the adenosine 3':5'-cyclic monophosphate receptor in intact ghosts from human erythrocytes. Guthrow CE, et al. *Proc Natl Acad Sci USA* 70:3344-6, Dec 73
- Antagonism of morphine analgesia by adenosine, adenosine, and adenosine nucleotides. Gourley DR, et al. *Proc Soc Exp Biol Med* 144:774-8, Dec 73
- The influence of 1-(5-oxohexyl)-3,7-dimethylxanthine (BL 191) on the endocrine and exocrine pancreatic function in man during and following secretin and cholecystokinin-pancreozymin stimulation. Dollinger HC, et al. *Res Exp Med (Berl)* 161:327-34, 23 Nov 73
- Protein kinase translocation as an early event in the hormonal control of uterine contraction. Korenman SG, et al. *Science* 183:430-2, 1 Feb 74
- Negative inotropic effect of cyclic AMP on the isolated canine heart muscle. Iwatsuki N, et al. *Tohoku J Exp Med* 110:409-10, Aug 73
- Enhancement of viral infectivity by cytochalasin. Deltch AD, et al. *Virology* 56:417-28, Dec 73
- The effect of cyclic AMP and aminophylline on *Limulus* lateral eye reticular cells. Wulff VJ. *Vision Res* 13:2335-44, Dec 73
- [Influence of cyclic AMP on hypothalamo-hypophyseal regulation of secretion of somatotropin] Peracchi M, et al. *Folia Endocrinol (Roma)* 26:407-11, Oct 73 (Ita)

PHYSIOLOGY

- Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Andersson RG. *Acta Physiol Scand [Suppl]* 382:1-59, 1972
- Cyclic GMP and gastric acid secretion. Amer MS. *Am J Dig Dis* 19:71-4, Jan 74 (19 ref.)
- The role of cyclic 3',5'-adenosine monophosphate in neuromuscular transmission. Takamori M, et al. *Arch Neurol* 29:420-4, Dec 73
- The catecholamines: reappraisal of their use for acute myocardial infarction and the low cardiac output syndromes. Kones RJ. *Crit Care Med* 1:203-20, Jul-Aug 73 (173 ref.)
- Pathogenesis of genetic diabetes mellitus: further development of a hypothesis. Cerasi E, et al. *Endocrinol Jap* 20:229-42, Jun 73 (54 ref.)
- Effect of ACTH on the phosphorylation of proteins in subcellular fractions of rat adrenal glands. Murakami N, et al. *Endocrinol Jap* 20:421-3, Aug 73
- Effects of ouabain on catecholamine-stimulated sodium transport in turkey erythrocytes. Gardner JD, et al. *J Biol Chem* 249:516-20, 25 Jan 74
- Postsynaptic adrenergic-cyclic AMP control of the serotonin content of cultured rat pineal glands. Klein DC, et al. *J Neurochem* 21:1261-71, Nov 73
- Dictyostellum discoideum aggregation fields as excitable media. Durston AJ. *J Theor Biol* 42:483-504, Dec 73
- New concepts in asthma. Kaplan HM, et al. *Med Ann DC* 42:566-8, Nov 73 (26 ref.)
- The role of cyclic AMP in mesenteric vasodilation. Shepherd AP, et al. *Microvasc Res* 6:332-41, Nov 73
- Emerging concepts of platelet function. Deykin D. *N Engl J Med* 290:144-51, 17 Jan 74 (17 ref.)
- Cyclic nucleotides as intracellular mediators of the expression of antigen-sensitive cells. Watson J, et al. *Nature* 246:405-9, 14 Dec 73
- Cyclic AMP and its relation to clinical chemistry. Oye I. *Scand J Clin Lab Invest* 32:189-92, Nov 73 (5 ref.)
- [The role of cyclic AMP for the function of the peripheral and central nervous system (author's transl)] Müller-Oerlinghausen B, et al. *Fortschr Neurol Psychiatr* 41:509-26, Sep 73 (Eng. Abstr.) (Ger)
- [A model of the action of beta-mimetic substances (author's transl)] Weldinger H, et al. *Z Geburtshilfe Perinatol* 177:223-32, Aug 73 (92 ref.) (Eng. Abstr.) (Ger)
- [Insulin] Fujii S.

- Clin Endocrinol (Tokyo)* 21:761-79, Aug 73 (146 ref.) (Jap)
- [Mechanism of action of LH-RH] Kaneko T. *Clin Endocrinol (Tokyo)* 21:893-6, Sep 73 (17 ref.) (Jap)
- [Catecholamine and the heart] Ogawa K. *Jap J Clin Med* 31:2642-9, Sep 73 (30 ref.) (Jap)
- [Biological role of nonhistone proteins of chromatin (author's transl)] Kilińska Z, et al. *Postepy Biochem* 19:533-57, Nov 73 (Pol)

THERAPEUTIC USE

- Ther reversal of experimental vasospasm by dibutyl-3',5'-adenosine monophosphate. Peterson EW, et al. *J Neurosurg* 39:730-4, Dec 73
- Letter: Topical application of cyclic AMP in psoriasis. Auerbach R. *JAMA* 227:326-7, 21 Jan 74
- [Prevention of premature labor] Castrén O. *Duodecim* 89:1275-9, 1973 (Fin)

URINE

- Clinical studies and applications of cyclic nucleotides. Murad F. *Adv Cyclic Nucleotide Res* 3:355-83, 1973 (96 ref.)
- Simulated behavior states: an approach to specificity in psychological research. Post RM, et al. *Biol Psychiatry* 7:237-54, Dec 73 (90 ref.)
- Effect of propranolol on cyclic AMP excretion and plasma renin activity in labile essential hypertension. Hamet P, et al. *Can Med Assoc J* 109:1099-103, 1 Dec 73
- A simplified competitive protein-binding assay for adenosine 3',5'-monophosphate in plasma. Latner AL, et al. *Clin Chim Acta* 48:353-7, 15 Nov 73
- Plasma clearance rates and renal clearance of 3H-labeled cyclic AMP and 3H-labeled cyclic GMP in the dog. Blonde L, et al. *J Clin Invest* 53:163-72, Jan 74
- Effects of acetazolamide on the urinary excretion of cyclic AMP and on the activity of renal adenylyl cyclase. Rodriguez HJ, et al. *J Clin Invest* 53:122-30, Jan 74
- Urinary cyclic AMP excretion in toxemia of pregnancy. Raj K, et al. *Scand J Clin Lab Invest* 32:193-7, Nov 73
- [The role of cyclic AMP for the function of the peripheral and central nervous system (author's transl)] Müller-Oerlinghausen B, et al. *Fortschr Neurol Psychiatr* 41:509-26, Sep 73 (Eng. Abstr.) (Ger)

GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE

- The chemistry and biological properties of nucleotides related to nucleoside 3',5'-cyclic phosphates. Simon LN, et al. *Adv Cyclic Nucleotide Res* 3:225-353, 1973 (261 ref.)
- Cyclic GMP and gastric acid secretion. Amer MS. *Am J Dig Dis* 19:71-4, Jan 74 (19 ref.)
- Nonenzymatic formation of guanosine 3':5'-monophosphate from guanosine triphosphate. Kimura H, et al. *J Biol Chem* 249:329-31, 10 Jan 74
- Possibilities for drug development based on the cyclic AMP system. Amer MS, et al. *Life Sci* 13:753-67, 1 Oct 73 (93 ref.)
- Regulation of nucleoside cyclic 3':5'-monophosphate phosphodiesterase activity from rat brain by a modulator and Ca²⁺. Kakiuchi S, et al. *Proc Natl Acad Sci USA* 70:3526-30, Dec 73

ADMINISTRATION & DOSAGE

- The calcium-independent stimulation of thymic lymphoblast DNA synthesis by low cyclic GMP concentrations. Whitfield JF, et al. *Proc Soc Exp Biol Med* 144:808-12, Dec 73

BIOSYNTHESIS

- Guanylate cyclase: inhibition by light in retinal photoreceptors. Bensinger RE, et al. *Science* 183:86-7, 11 Jan 74

BLOOD

- Clinical studies and applications of cyclic nucleotides. Murad F. *Adv Cyclic Nucleotide Res* 3:355-83, 1973 (96 ref.)

Plasma clearance rates and renal clearance of 3H-labeled cyclic AMP and 3H-labeled cyclic GMP in the dog. Blonde L, et al. *J Clin Invest* 53:163-72, Jan 74
Sources of cyclic nucleotides in plasma. Wehmann RE, et al. *J Clin Invest* 53:173-9, Jan 74

CHEMICAL SYNTHESIS

Preparative photochemical synthesis of isoguanosine ribo- and deoxyribonucleosides and nucleotides, and isoguanosine-3',5'-cyclic phosphate, a new cAMP analogue. Kazimierzczuk Z, et al.
Acta Biochim Pol 20:395-402, Aug 73

METABOLISM

Clinical studies and applications of cyclic nucleotides. Murad F.
Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
Regulation by beta-adrenergic receptor and muscarinic cholinergic receptor activation of intracellular cyclic AMP and cyclic GMP levels in rat lung slices. Kuo JF, et al.
Biochem Biophys Res Commun 55:660-5, 10 Dec 73
Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Rao CV, et al.
Biochem Biophys Res Commun 54:744-50, 18 Sep 73
Cyclic changes in levels of cyclic AMP and cyclic GMP in frog myocardium during the cardiac cycle. Wollenberger A, et al.
Biochem Biophys Res Commun 55:446-52, 16 Nov 73
Synthesis and biochemical studies of various 8-substituted derivatives of guanosine 3',5'-cyclic phosphate, inosine 3',5'-cyclic phosphate, and xanthosine 3',5'-cyclic phosphate. Miller JP, et al.
Biochemistry 12:5310-9, 18 Dec 73
Plasma clearance rates and renal clearance of 3H-labeled cyclic AMP and 3H-labeled cyclic GMP in the dog. Blonde L, et al. *J Clin Invest* 53:163-72, Jan 74
Stimulation of intestinal adenyl cyclase by *Escherichia coli* enterotoxin: comparison of strains from an infant and an adult with diarrhea. Kantor HS, et al.
J Infect Dis 129:1-9, Jan 74
Possibilities for drug development based on the cyclic AMP system. Amer MS, et al.
Life Sci 13:753-67, 1 Oct 73 (93 ref.)
The role of cyclic nucleotides in visual excitation. Bitensky MW, et al.
Life Sci 13:1451-72, 1 Dec 73 (37 ref.)

PHARMACODYNAMICS

Cyclic nucleotide-independent protein kinase from pea shoots. Keates RA.
Biochem Biophys Res Commun 54:655-61, 18 Sep 73

Promotion of conidial aggregation in *Aspergillus niger* by cyclic AMP and 5'-GMP. Wold WS, et al.
Biochem Biophys Res Commun 55:824-30, 10 Dec 73
Effect of cyclic nucleotides on activity of cyclic 3',5'-adenosine monophosphate phosphodiesterase. Harris DN, et al.
Biochem Pharmacol 22:221-8, 15 Jan 73
Abnormal autonomic mechanisms in asthma. Reed CE.
J Allergy Clin Immunol 53:34-41, Jan 74 (56 ref.)
Hormonal control of glycogenolysis and gluconeogenesis in isolated rat liver cells. Garrison JC, et al. *J Biol Chem* 248:5333-43, 10 Aug 73
Mechanisms of lysosomal enzyme release from human leukocytes. II. Effects of cAMP and cGMP, autonomic agonists, and agents which affect microtubule function. Zurier RB, et al.
J Clin Invest 53:297-309, Jan 74
Connective tissue activation. VI. The effects of cyclic nucleotides on human synovial cells in vitro. Castor CW. *J Lab Clin Med* 83:47-55, Jan 74
The action of dibutyryl cyclic GMP (N2-2'-O-dibutyryl cyclic guanosine-3',5'-mono-phosphate) on the ileum of guinea pig. Takayanagi I, et al.
Jap J Pharmacol 23:573-5, Aug 73
mRNA transcription linked to the morphological and plasma membrane changes induced by cyclic AMP in tumour cells. Korinek J, et al.
Nature 246:455-8, 21 Dec 73
Cyclic nucleotides as intracellular mediators of the expression of antigen-sensitive cells. Watson J, et al.
Nature 246:405-9, 14 Dec 73
The calcium-independent stimulation of thymic lymphoblast DNA synthesis by low cyclic GMP concentrations. Whitfield JF, et al.
Proc Soc Exp Biol Med 144:808-12, Dec 73

PHYSIOLOGY

Cyclic GMP and gastric acid secretion. Amer MS.
Am J Dig Dis 19:71-4, Jan 74 (19 ref.)
Cyclic nucleotides as intracellular mediators of the expression of antigen-sensitive cells. Watson J, et al.
Nature 246:405-9, 14 Dec 73

URINE

Clinical studies and applications of cyclic nucleotides. Murad F.
Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
Plasma clearance rates and renal clearance of 3H-labeled cyclic AMP and 3H-labeled cyclic GMP in the dog. Blonde L, et al. *J Clin Invest* 53:163-72, Jan 74

APPENDIX

ADENYL CYCLASE

On the control mechanism of bacterial growth by cyclic adenosine 3',5'-monophosphate. De Robertis EM Jr, et al. *Biochem Biophys Res Commun* 55:758-64, 10 Dec 73 [The role of cyclic AMP for the function of the peripheral and central nervous system (author's transl)] Müller-Oerlinghausen B, et al. *Fortschr Neurol Psychiatr* 41:508-26, Sep 73 (Eng. Abstr.) (Ger)

ANALYSIS

Adenyl cyclase. Perkins JP. *Adv Cyclic Nucleotide Res* 3:1-64, 1973 (183 ref.) Hormone-like activity of a thymus humoral factor on the induction of immune competence in lymphoid cells. Kook AI, et al. *J Exp Med* 139:193-207, 1 Jan 74 Histochemical localization of adenyl cyclase in the fungus *Phycomyces blakesleeana*. Tu JC, et al. *J Histochem Cytochem* 21:1041-6, Dec 73

ANTAGONISTS & INHIBITORS

Inhibition of brain adenylate cyclase by ethacrynic acid and dithioisobutrobenzoic acid. Ferrendelli JA, et al. *Biochem Pharmacol* 22:3133-6, 1 Dec 73 Response of isolated white fat cells to anti-malarial drugs. Pointer RH, et al. *Biochem Pharmacol* 22:3025-32, 1 Dec 73 Species specificity of the inhibition of adenylate cyclase activation by products of ACTH-stimulated fat cells. Lis M, et al. *Comp Biochem Physiol [B]* 46:661-6, Dec 73

BLOOD

The effects of nucleotides on the expression of beta-adrenergic adenylate cyclase activity in membranes from turkey erythrocytes. Bilezikian JP, et al. *J Biol Chem* 249:157-61, 10 Jan 74 The activation of adenylate cyclase. I. A postulated mechanism for fluoride and hormone activation of adenylate cyclase. Najjar VA, et al. *Mol Cell Biochem* 2:87-93, 15 Nov 73

ISOLATION & PURIFICATION

Adenyl cyclase. Perkins JP. *Adv Cyclic Nucleotide Res* 3:1-64, 1973 (183 ref.)

METABOLISM

Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs. Andersson RG. *Acta Physiol Scand [Suppl]* 382:1-59, 1973 Protein kinases and protein kinase substrates. Langan TA. *Adv Cyclic Nucleotide Res* 3:99-153, 1973 (252 ref.) Adenyl cyclase. Perkins JP. *Adv Cyclic Nucleotide Res* 3:1-64, 1973 (183 ref.) Adenyl and guanyl cyclase in rabbit gastric mucosa. Sung CP, et al. *Am J Physiol* 225:1359-63, Dec 73 Localization and correlation of catecholamine-containing cells with adenyl cyclase and phosphodiesterase activities in the human fetal heart. Dail WG Jr, et al. *Anat Rec* 177:265-87, Oct 73 Prostaglandins and the central nervous system. Coceani F. *Arch Intern Med* 133:119-29, Jan 74 (128 ref.)

Adenyl cyclase in normal and pathologic human muscle. Mawatari S, et al. *Arch Neurol* 30:96-102, Jan 74 The effect of gonadotropins on the mitochondrial adenylate cyclase of rat testis. Sulimovici S, et al. *Biochem Biophys Res Commun* 55:673-9, 10 Dec 73 The stimulation of hepatic adenylate cyclase by prostaglandin E1. Sweat FW, et al. *Biochem Biophys Res Commun* 55:522-9, 16 Nov 73 Binding of parathyroid hormone to bovine kidney-cortex plasma membranes. Sutcliffe HS, et al. *Biochem J* 134:913-21, Aug 73 Effect of ethanol administration on cyclic 3',5'-adenosine monophosphate metabolism in brain. Kuriyama K, et al. *Biochem Pharmacol* 22:2919-22, 15 Nov 73 Effects of adrenochrome and sodium perborate on isolated fat cell metabolism. Wieser PB, et al. *Biochem Pharmacol* 22:3209-16, 15 Dec 73 Influence of lithium ions on epinephrine-stimulated adenylate cyclase activity in cultured glial tumor cells. Schimmer BP. *Biochim Biophys Acta* 327:186-92, 15 Nov 73 The relation of adenyl cyclase to the activity of other ATP utilizing enzymes and phosphodiesterase in preparations of rat brain; mechanism of stimulation of cyclic AMP accumulation by adrenaline, ouabain and Mn^{++} . Katz S, et al. *Br J Pharmacol* 48:516-26, Jul 73 The relation of adenyl cyclase to the activity of other ATP utilizing enzymes and phosphodiesterase in preparations of rat brain; mechanism of stimulation of cyclic AMP accumulation by NaF. Katz S, et al. *Br J Pharmacol* 48:505-15, Jul 73 Response of leucocyte adenyl cyclase to isoprenaline and effect of alpha-blocking drugs in extrinsic bronchial asthma. Alston WC, et al. *Br Med J* 1:90-3, 19 Jan 74 Species specificity of the inhibition of adenylate cyclase activation by products of ACTH-stimulated fat cells. Lis M, et al. *Comp Biochem Physiol [B]* 46:661-6, Dec 73 The catecholamines: reappraisal of their use for acute myocardial infarction and the low cardiac output syndromes. Kones RJ. *Crit Care Med* 1:203-20, Jul-Aug 73 (173 ref.) Antihypolytic action of tolbutamide in isolated fat cells of the rat. Allen DO, et al. *Diabetes* 23:51-4, Jan 74 The glucagon and fluoride sensitive adenyl cyclase in plasma membrane of rat liver. Oka H, et al. *Endocrinol Jap* 20:263-70, Jun 73 Calcitonin and the formation of 3',5'-AMP in bone and kidney. Heersche JN, et al. *Endocrinology* 91:241-7, Jan 74 Glucagon and epinephrine activation of adenylate cyclase and glucagon binding in Morris hepatomas. Klein I, et al. *Endocrinology* 91:279-83, Jan 74 Effect of diabetes and insulin on the rat heart adenyl cyclase, cyclic AMP phosphodiesterase and cyclic AMP. Das I. *Horm Metab Res* 5:330-3, Sep 73 Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats. Fontaine YA, et al. *Horm Metab Res* 5:376-80, Sep 73 Abnormal autonomic mechanisms in asthma. Reed CE. *J Allergy Clin Immunol* 53:34-41, Jan 74 (56 ref.) Hormone receptors. 3. Properties of glucagon-binding proteins isolated from liver plasma membranes. Giorgio NA, et al. *J Biol Chem* 249:428-37, 25 Jan 74 Evidence for a dissociable glucagon binding site in a solubilized preparation of myocardial adenylate cyclase. Klein I, et al. *J Biol Chem* 248:5552-4, 10 Aug 73 Glucagon structure and function. Preparation and

- characterization of nitroglucagon and aminoglucagon. Patterson JM, et al. *J Biol Chem* 248:8337-42, 25 Dec 73
- Purification of adenobypopyseal plasma membranes and properties of associated adenylate cyclase. Poirier G, et al. *J Biol Chem* 249:316-22, 10 Jan 74
- Evidence for interdependent action of glucagon and nucleotides on the hepatic adenylate cyclase system. Rodbell M, et al. *J Biol Chem* 249:59-65, 10 Jan 74
- Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al.
- J Clin Endocrinol Metab* 38:99-106, Jan 74
- Effect of histamine and its methyl derivatives on cyclic AMP metabolism in gastric mucosa and its blockade by an H2 receptor antagonist. Dousa TP, et al. *J Clin Invest* 53:334-7, Jan 74
- Effects of acetazolamide on the urinary excretion of cyclic AMP and on the activity of renal adenyl cyclase. Rodriguez HJ, et al. *J Clin Invest* 53:122-30, Jan 74
- Stimulation of intestinal adenyl cyclase by Escherichia coli enterotoxin: comparison of strains from an infant and an adult with diarrhea. Kantor HS, et al. *J Infect Dis* 129:1-9, Jan 74
- Cytochemical examination of the effect of histamine on adenylate cyclase activity in guinea pig heart tissue. Wollenberger A, et al.
- J Mol Cell Cardiol* 5:427-31, Oct 73
- Letter: Lipolysis induced by coffee and tobacco: its modification by insulin. Portugal-Alvarez J, et al. *J Pharm Pharmacol* 25:668-9, Aug 73
- Effect of certain halogenated hydrocarbon insecticides on cyclic adenosine 3',5'-monophosphate-3H formation by rat kidney cortex. Kacew S, et al. *J Pharmacol Exp Ther* 188:265-76, Jan 74
- Blockade by burimamide of the effects of histamine and histamine analogs on cardiac contractility, phosphorylase activation and cyclic adenosine monophosphate. McNeill JH, et al.
- J Pharmacol Exp Ther* 188:180-8, Jan 74
- An abrupt temperature-dependent change in the energy of activation of hormone-stimulated hepatic adenyl cyclase. Keirns JJ, et al.
- J Supramol Struct* 1:368-79, 1973
- Adenylate cyclase and cyclic AMP phosphodiesterase of normal and Rous sarcoma virus transformed chicken embryo fibroblasts. Russell TR, et al.
- J Supramol Struct* 1:382-4, 1973
- Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. Björkman U, et al. *J Ultrastruct Res* 45:231-53, Nov 73
- Possibilities for drug development based on the cyclic AMP system. Amer MS, et al.
- Life Sci* 13:753-67, 1 Oct 73 (93 ref.)
- The role of cyclic nucleotides in visual excitation. Bitensky MW, et al.
- Life Sci* 13:1451-72, 1 Dec 73 (37 ref.)
- Role of cyclic AMP in the action of antidiuretic hormone on kidney. Dousa TP.
- Life Sci* 13:1033-40, 16 Oct 73 (22 ref.)
- The influence of p,p'-DDT, alpha-chlordane, heptachlor and endrin on hepatic and renal carbohydrate metabolism and cyclic AMP-adenyl cyclase system. Kacew S, et al. *Life Sci* 13:1363-71, 16 Nov 73
- Regulation of the adenosine cyclic 3',5'-monophosphate content of rat cerebral cortex: ontogenetic development of the responsiveness to catecholamines and adenosine. Perkins JP, et al.
- Mol Pharmacol* 9:774-82, Nov 73
- The activation of adenylate cyclase. I. A postulated mechanism for fluoride and hormone activation of adenylate cyclase. Najjar VA, et al.
- Mol Cell Biochem* 2:87-93, 15 Nov 73
- Noradrenaline binding and the search for catecholamine receptors. Cuatrecasas P, et al.
- Nature* 247:92-7, 11 Jan 74
- Dopaminergic denervation supersensitivity and dopamine stimulated adenyl cyclase activity. Von Voigtlander PF, et al.
- Neuropharmacology* 12:1081-6, Nov 73
- Thymus adenylate cyclase activity during murine leukemogenesis. Kemp RG, et al.
- Science* 183:218-9, 18 Jan 74
- Enzyme conformation and control. Dwek RA, et al. *Symp Soc Exp Biol* 27:49-63, 1973
- [Study of the action of a coronary dilator agent: (isoamylxy-3 (trimethoxy-3,4,5 benzoyloxy)-propyl)-4 tetrabhydro-oxazine-1,4 hydrochloride (amoproxan) on the metabolism of adenylic derivatives] Roulet C, et al.
- Therapie* 28:353-65, Mar-Apr 73 (Eng. Abstr.) (Fre)

- [Activation of adenyl cyclase in the bovine thyroid plasma membrane with TSH, LATS and prostaglandin E2] Sato S, et al.
- Clin Endocrinol (Tokyo)* 21:725-9, Jul 73 (Jap)
- [Catecholamine and the heart] Ogawa K.
- Jap J Clin Med* 31:2642-9, Sep 73 (30 ref.) (Jap)
- [Significance of cyclic 3' 5'-AMP in the pathology of some skin diseases] Jacyk W.
- Pol Tyg Lek* 28:1650-3, 15 Oct 73 (27 ref.) (Pol)
- [Endocrinological aspects of the effect of lithium on human organism (author's transl)] Rybakowski J.
- Przegł Lek* 30:739-42, 1973 (45 ref.) (Pol)

PHYSIOLOGY

- Cyclic-AMP and the ocular responses to norepinephrine. Radius R, et al.
- Exp Eye Res* 17:219-29, 11 Nov 73
- [A model of the action of beta-mimetic substances (author's transl)] Weldinger H, et al.
- Z Geburtshilfe Perinatol* 177:223-32, Aug 73 (92 ref.) (Eng. Abstr.) (Ger)

GUANYL CYCLASE

METABOLISM

- Adenyl and guanyl cyclase in rabbit gastric mucosa. Sung CP, et al. *Am J Physiol* 225:1359-63, Dec 73
- Effects of secretin on guanyl cyclase of various tissues. Thompson WJ, et al. *Endocrinology* 91:276-8, Jan 74
- Stimulation of intestinal adenyl cyclase by Escherichia coli enterotoxin: comparison of strains from an infant and an adult with diarrhea. Kantor HS, et al.
- J Infect Dis* 129:1-9, Jan 74
- Guanylate cyclase: inhibition by light in retinal photoreceptors. Bensinger RE, et al.
- Science* 183:86-7, 11 Jan 74

* HORMONES, ECTOPIC

BIOSYNTHESIS

- ACTH, glucagon and gastrin production by a pancreatic islet cell carcinoma and its treatment. Beicbeitz PE, et al. *Clin Endocrinol (Oxf)* 2:307-16, Oct 73
- The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). Bartter FC.
- DM* 1-47, Nov 73 (135 ref.)
- [Gonadotropin producing malignant teratoma of the medullary] Ogura T, et al.
- Jap J Clin Med* 31:2846-52, Sep 73 (Jap)
- [Ectopic parathyroid hormone producing malignant pheochromocytoma] Shinbo S, et al.
- Jap J Clin Med* 31:2781-7, Sep 73 (Jap)

METABOLISM

- Proceedings: Adrenocorticotrophin (ACTH) and beta-melanocyte-stimulating hormone peptides in tumours associated with the ectopic ACTH syndrome. Bloomfield G, et al. *J Endocrinol* 59:28-9, Nov 73

SECRETION

- Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. *Lancet* 2:1263-4, 1 Dec 73
- Editorial: Hypercalcaemia, cancer, and prostaglandins. *Lancet* 2:1247-8, 1 Dec 73
- [Precocity (author's transl)] Helge H.
- Monatsschr Kinderheilkd* 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

- Renin-secreting Wilms' tumor with severe hypertension. Report of a case and brief review of renin-secreting tumors. Ganguly A, et al.
- Ann Intern Med* 79:835-7, Dec 73
- Pheochromocytoma causing excessive parathyroid hormone production and hypercalcaemia. Kukreja SC, et al. *Ann Intern Med* 79:838-40, Dec 73
- Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology, histology, and ultrastructure. Bjersing L, et al.
- Cancer* 32:1360-9, Dec 73
- Proceedings: Tumors of the urethra in men and women. Grabstald H. *Cancer* 32:1236-55, Nov 73

* HORMONES, ECTOPIC continued, see page 293

APPENDIX

PROSTAGLANDINS

Proceedings: Tumors of the adrenal cortex. Harrison JH, et al. *Cancer* 32:1227-35, Nov 73
 Metastasis in a transplantable mammatrophic pituitary tumor. Nickerson PA, et al.
Cancer Res 33:3135-8, Dec 73
 Production of a corticotrophin-like intermediate lobe peptide and of corticotrophin by a bronchial carcinoid tumour. Ratcliffe JG, et al.
Clin Endocrinol (Oxf) 2:51-5, Jan 73
 Leukemoid reaction, thrombocytosis and hypercalcemia associated with bladder cancer. Block NL, et al. *J Urol* 110:660-3, Dec 73
 Proceedings: Medullary carcinoma of the thyroid gland. Hill CS Jr. *Proc Natl Cancer Conf* 7:163-77, 1973
 Proceedings: Islets of Langerhans. Zollinger RM. *Proc Natl Cancer Conf* 7:523-7, 1973
 [Gastrin: its role in gastroenterologic clinical practice] Pajares García JM.
Rev Esp Enferm Apar Dig 41:615-28, 1 Nov 73 (34 ref.) (Spa)

COMPLICATIONS

The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). Bartter FC.
DM 1-47, Nov 73 (135 ref.)
 Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Mosonyi L. *Lancet* 2:1263-4, 1 Dec 73
 Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73

DIAGNOSIS

[Determination of free urinary cortisol. Its value in Cushing's syndrome] Gicquel JP, et al.
Nouv Presse Med 2:2683-4, 10 Nov 73 (Fre)
 [Renin-secreting tumors] Hayduk K.
Dtsch Med Wochenschr 98:1874-7, 5 Oct 73 (30 ref.) (Ger)

DRUG THERAPY

Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73

ETIOLOGY

Editorial: Hypercalcaemia, cancer, and prostaglandins. *Lancet* 2:1247-8, 1 Dec 73

METABOLISM

The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). Bartter FC.
DM 1-47, Nov 73 (135 ref.)
 Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Newmark SR, et al. *Urology* 2:666-8, Dec 73
 [Gonadotropin producing malignant teratoma of the mediastinum] Ogura T, et al.
Jap J Clin Med 31:2846-52, Sep 73 (Jap)

NERVE GROWTH FACTOR

ANALYSIS

Distribution and immunology of mammalian nerve growth factor. Banks BE, et al.
Nature 246:503-4, 21 Dec 73

BLOOD

Distribution and immunology of mammalian nerve growth factor. Banks BE, et al.
Nature 246:503-4, 21 Dec 73

ISOLATION & PURIFICATION

Distribution and immunology of mammalian nerve growth factor. Banks BE, et al.
Nature 246:503-4, 21 Dec 73

PROSTAGLANDINS

Aspirin-like drugs and prostaglandins. Flower RJ. *Am Heart J* 86:844-6, Dec 73
 Prostaglandin 15 (R) 15-methyl-E2 methyl ester for suppression of gastric acidity in gravida at term. Amy JJ, et al. *Br Med J* 4:208-11, 27 Oct 73
 The formation constants of the proton and calcium

complexes of prostaglandins PGE1 and PGF1b. Advani AT, et al. *Chem Biol Interact* 7:181-4, Sep 73
 On the specificity of antisera against prostaglandins A2 and E2. Jobke A, et al. *FEBS Lett* 37:192-6, 1 Dec 73
 Separation of specific antibody-forming mouse cells by their adherence to insolubilized endogenous hormones. Melmon KL, et al.
J Clin Invest 53:22-30, Jan 74
 Editorial: Hypercalcaemia, cancer, and prostaglandins. *Lancet* 2:1247-8, 1 Dec 73
 [Mechanisms of actions of analgesics--especially on peripheral actions] Inoki R.
Folia Pharmacol Jap 69:645-59, Sep 73 (111 ref.) (Jap)
 [Some biological and pharmacological properties of prostaglandins] Gumulka W, et al.
Pol Tyg Lek 28:1904-7, 26 Nov 73 (33 ref.) (Pol)

ADMINISTRATION & DOSAGE

Prostaglandin E1 (PGE1) in peripheral arteriographies. Carlson LA, et al.
Acta Radiol [Diagn] (Stockh) 14:583-7, Sep 73
 Coagulation changes during abortion induced by prostaglandin F2alpha. Brenner WE, et al.
Am J Obstet Gynecol 117:1080-7, 15 Dec 73
 Midtrimester abortion induced with a single intra-amniotic instillation of prostaglandin F2 alpha. Lauersen NH, et al.
Am J Obstet Gynecol 118:210-7, 15 Jan 74
 Pretreatment with laminaria tents before mid-trimester abortion with intra-amniotic prostaglandin F2ALPHA. Stubblefield PG, et al.
Am J Obstet Gynecol 118:284-5, 15 Jan 74
 Prostaglandins in reproduction. Behrman HR, et al.
Arch Intern Med 133:77-84, Jan 74 (50 ref.)
 Prostaglandins and the central nervous system. Coceani F.
Arch Intern Med 133:119-29, Jan 74 (128 ref.)
 Proceedings: Action of prostaglandins A2, B-1, E2 and F2alpha on superficial hand veins of man. Collier JG, et al. *Br J Pharmacol* 44:374P-375P, Feb 72
 Prostaglandin 15 (R) 15-methyl-E2 methyl ester for suppression of gastric acidity in gravida at term. Amy JJ, et al. *Br Med J* 4:208-11, 27 Oct 73
 Intra-amniotic prostaglandin administration--a challenge to the currently used methods for induction of midtrimester abortion. Wiquist N, et al.
Contraception 8:113-31, Aug 73
 A preliminary study upon the use of prostaglandins for inducing oestrus in non-cycling thoroughbred mares. Allen WR, et al. *Equine Vet J* 5:137-40, Oct 73
 Uterine motility and sperm transport in the estrous ewe after prostaglandin induced regression of corpora lutea. Hawk HW. *J Anim Sci* 37:1380-5, Dec 73
 In vitro effects of prostaglandin E2 on cutaneous vascular smooth muscle in the dog and in man. Goldyne ME, et al. *J Invest Dermatol* 60:258-62, May 73
 Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. Craft IL, et al.
J Obstet Gynaecol Br Commonw 80:1095-9, Dec 73
 A comparison of oral prostaglandin E2 and intravenous Syntocinon in the induction of labour. Kelly J, et al. *J Obstet Gynaecol Br Commonw* 80:923-6, Oct 73
 Human placental lactogen (HPL) levels in maternal serum during abortion induced by intra- and extra-amniotic injection of prostaglandin F2a. Ylikorkala O, et al.
J Obstet Gynaecol Br Commonw 80:927-31, Oct 73
 Proceedings: The mechanism of action of prostaglandin F2a on cerebral flow in the baboon. Pickard JD. *J Physiol (Lond)* 234:46P-47P, Oct 73
 Letter: Prostaglandins and convulsions. Craft I. *Lancet* 2:1389, 15 Dec 73
 Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Labhsetwar AP, et al. *Nature [New Biol]* 246:55-6, 14 Nov 73
 Central effects of prostaglandin E1 in adult fowls. Nisticò G, et al.
Neuropharmacology 12:1009-16, Nov 73
 Prostaglandin E2 vaginal suppository as an early second trimester abortifacient. Bolognese RJ, et al. *Obstet Gynecol* 43:104-8, Jan 74
 Comparison of extra- and intra-amniotic prostaglandins for therapeutic abortion. Fraser IS, et al. *Obstet Gynecol* 43:97-103, Jan 74
 [Prostaglandins in inflammation--new perspectives] Sondergaard J.

PROSTAGLANDINS

APPENDIX

- Ugeskr Laeger 135:1012-7, 21 May 73 (Eng. Abstr.)
(Dan)
[Effects of prostaglandins of the F group (PGF) on the
nervous system] Gumulka W, et al.
Pol Tyg Lek 28:1952-4, 3 Dec 73 (Pol)

ADVERSE EFFECTS

- Prostaglandin E1 (PGE1) in peripheral arteriographies.
Carlson LA, et al.
Acta Radiol [Diagn] (Stockh) 14:583-7, Sep 73
Midtrimester abortion induced with a single
intra-amniotic instillation of prostaglandin F2 alpha.
Lauersen NH, et al.
Am J Obstet Gynecol 118:210-7, 15 Jan 74
Intra-amniotic prostaglandin administration—a
challenge to the currently used methods for induction
of midtrimester abortion. Wikqvist N, et al.
Contraception 8:113-31, Aug 73
Letter: Prostaglandins and convulsions. Craft I.
Lancet 2:1389, 15 Dec 73
Prostaglandin E2 vaginal suppository as an early second
trimester abortifacient. Bolognese RJ, et al.
Obstet Gynecol 43:104-8, Jan 74
Comparison of extra- and intra-amniotic prostaglandins
for therapeutic abortion. Fraser IS, et al.
Obstet Gynecol 43:97-103, Jan 74

ANALYSIS

- Computerized quantitation of drugs by gas
chromatography-mass spectrometry. Baczynskyj L, et
al. Anal Chem 45:479-82, Mar 73
On-line computer controlled multiple ion detection in
combined gas chromatography-mass spectrometry.
Holland JF, et al. Anal Chem 45:308-14, Feb 73
Method for the measurement of prostaglandin F2alpha
in biological fluids by gas chromatography-mass
spectrometry. Kelly RW. Anal Chem 45:2079-82, Oct 73
Display-oriented data system for multiple ion detection
with gas chromatography-mass spectrometry in
quantifying biomedically important compounds.
Watson JT, et al. Anal Chem 45:2071-8, Oct 73
Lipid peroxide and lung prostaglandins. Tan WC, et al.
Arch Environ Health 28:82-4, Feb 74
Cardiovascular-renal effects of prostaglandins: the
antihypertensive, natriuretic renal "endocrine"
function. Lee JB.
Arch Intern Med 133:56-76, Jan 74 (104 ref.)
Editorial: The medical significance of prostaglandins.
Wilson DE. Arch Intern Med 133:29, Jan 74
Radioimmunoassay of prostaglandin A. Intrarenal
PGA2 as a factor mediating saline-induced
natriuresis. Attallah AA, et al.
Circ Res 33:696-703, Dec 73
Prostaglandins as mediators for the responses of the
eye to trauma. Cole DF, et al.
Exp Eye Res 17:357-68, 25 Nov 73
Proceedings: The role of prostaglandin in the ocular
responses to laser irradiation of the iris. Perkins ES,
et al. Exp Eye Res 17:394-5, 25 Nov 73
Seminal fluid and plasma prostaglandin responses to
aspirin in normal subjects. Jubiz W, et al.
Fertil Steril 24:977-8, Dec 73
The release of PGE2-like activity into aqueous humor
after paracentesis and its prevention by aspirin.
Miller JD, et al. Invest Ophthalmol 12:939-42, Dec 73
Proceedings: A cost reductive method for the
radioimmunoassay of steroids and prostaglandins.
Hennam JF, et al. J Reprod Fertil 35:603-4, Dec 73
[Chemotactic activity in the aqueous humor of patients
with Behçet's disease (author's transl)] Shibuya E.
Acta Soc Ophthalmol Jap 77:1434-42, Sep 73 (Eng.
Abstr.) (Jap)

ANTAGONISTS & INHIBITORS

- Substances that inhibit the actions of prostaglandins.
Sanner JH.
Arch Intern Med 133:133-46, Jan 74 (210 ref.)
Prostaglandins, inflammation, and asthma. Zurier RB.
Arch Intern Med 133:101-10, Jan 74 (145 ref.)
Prostaglandins and cannabis. II. Inhibition of
biosynthesis by the naturally occurring cannabinooids.
Burstin S, et al.
Biochem Pharmacol 22:2905-10, 15 Nov 73
In vitro inhibition of the biosynthesis of a
prostaglandin by gold and silver. Deby C, et al.
Biochem Pharmacol 22:3141-3, 1 Dec 73
Proceedings: Prostaglandin generation maintains the

smooth muscle tone of the rabbit isolated jejunum.
Ferreira SH, et al.

- Br J Pharmacol 44:328P-329P, Feb 72
Prostaglandin as a tool for local control of transmitter
release from sympathetic nerves. Hedqvist P.
Brain Res 62:483-8, 23 Nov 73
Effects of prostaglandin antagonists on the induction of
cyclic 3',5'-adenosine monophosphate formation and
thyroid hormone secretion in vitro. Burke G.
Endocrinology 91:91-8, Jan 74
Inhibition by acetamidophenol of the production of
prostaglandin-like material from blood platelets in
vitro in relation to some in vivo actions. Vargaftig BB,
et al. Eur J Pharmacol 24:283-8, Dec 73
Proceedings: A comparison of some derivatives of
phloretin as prostaglandin antagonists. Whitelocke
RA, et al. Exp Eye Res 17:395-6, 25 Nov 73
The effects of arachidonic acid, prostaglandin E2 and
prostaglandin F2alpha on the longitudinal stomach
strip of the rat. Splawinski JA, et al.
J Pharmacol Exp Ther 187:501-10, Dec 73
Prostaglandin inhibition of metabolically induced
coronary vasodilation. Sunahara FA, et al.
J Pharmacol Exp Ther 188:135-47, Jan 74
Proceedings: Prostaglandin E1 synthesis by
phagocytosing rabbit polymorphonuclear leucocytes:
its inhibition by indomethacin and its role in
chemotaxis. McCall E, et al.
J Physiol (Lond) 234:98P-100P, Oct 73
Proceedings: The use of drugs to elucidate the
mechanism of luteolysis in the pseudopregnant rat.
Bishop CL, et al. J Reprod Fertil 35:597-8, Dec 73
Antihistaminic and spasmolytic effects of musk. Seth
SD, et al. Jap J Pharmacol 23:673-9, Oct 73
Letter: Inhibitors of prostaglandin synthesis and fetal
development. Persaud TV, et al. Lancet 1:93, 19 Jan 74
Block of oxytocin-induced parturition and oviposition
by prostaglandin inhibitors. Hertelendy F.
Life Sci 13:1581-9, 1 Dec 73
Letter: Prostaglandins, nutmeg and diarrhea. Bennett
A, et al. N Engl J Med 290:110-1, 10 Jan 74
Hypothalamic interaction between prostaglandins and
catecholamines in promoting gonadotrophin
secretion for ovulation. Lahhaetwar AP, et al.
Nature [New Biol] 246:55-6, 14 Nov 73
Morphological transformation of enucleated Chinese
hamster ovary cells by dibutylriyl adenosine
3',5'-monophosphate and hormones. Schröder CH, et
al. Nature [New Biol] 246:58-60, 14 Nov 73
Aspirin and indomethacin prolong parturition in rats:
Evidence that prostaglandins contribute to expulsion
of foetus. Aiken JW. Nurs Dig 1:25-7, Mar 73
Response of rabbit testicular capsular contractions to
testosterone, prostaglandin E1, and isoproterenol in
vitro and in vivo. Seeley RR, et al.
Proc Soc Exp Biol Med 144:329-32, 1 Oct 73
[Prostaglandins in inflammation—new perspectives]
Sondergaard J.
Ugeskr Laeger 135:1012-7, 21 May 73 (Eng. Abstr.)
(Dan)

- [The prostaglandins] Patulela MC.
Rev Port Fediatr 4:99-17, Jan 73 (45 ref.) (Por)

BIOSYNTHESIS

- Aspirin-like drugs and prostaglandins. Flower RJ.
Am Heart J 86:844-6, Dec 73
Metabolism of vasoactive hormones by lung. Gillis CN.
Anesthesiology 39:626-32, Dec 73 (66 ref.)
Lipid peroxide and lung prostaglandins. Tan WC, et al.
Arch Environ Health 28:82-4, Feb 74
Biological aspects of prostaglandins. Andersen NH, et
al. Arch Intern Med 133:30-50, Jan 74 (7 ref.)
Prostaglandins and the central nervous system.
Coceani F.
Arch Intern Med 133:119-29, Jan 74 (128 ref.)
Cardiovascular-renal effects of prostaglandins: the
antihypertensive, natriuretic renal "endocrine"
function. Lee JB.
Arch Intern Med 133:56-76, Jan 74 (104 ref.)
Prostaglandins, inflammation, and asthma. Zurier RB.
Arch Intern Med 133:101-10, Jan 74 (145 ref.)
Production of prostaglandins by cells in vitro:
radioimmunoassay measurement of the conversion of
arachidonic acid to PGE2 and PGF2 alpha. Cohen F, et
al. Biochem Biophys Res Commun 55:724-9, 10 Dec 73
Prostaglandins and cannabis. II. Inhibition of
biosynthesis by the naturally occurring cannabinooids.
Burstin S, et al.
Biochem Pharmacol 22:2905-10, 15 Nov 73

APPENDIX

PROSTAGLANDINS

In vitro inhibition of the biosynthesis of a prostaglandin by gold and silver. Deby C, et al. *Biochem Pharmacol* 22:3141-3, 1 Dec 73

Binding of prostaglandin E1 to rat thymocytes. Schaumburg BP.

Biochim Biophys Acta 326:127-39, 17 Oct 73
Proceedings: Prostaglandin generation maintains the smooth muscle tone of the rabbit isolated jejunum. Ferreira SH, et al.

Br J Pharmacol 44:328P-329P, Feb 72
Proceedings: Prostaglandin production by rabbit peritoneal polymorphonuclear leukocytes in vitro. Higgs GA, et al. *Br J Pharmacol* 44:330P, Feb 72
Prostaglandin as a tool for local control of transmitter release from sympathetic nerves. Hedqvist P. *Brain Res* 62:483-8, 23 Nov 73

Inhibition by acetamidophenol of the production of prostaglandin-like material from blood platelets in vitro in relation to some in vivo actions. Vargafitg BB, et al. *Eur J Pharmacol* 24:283-8, Dec 73

Seminal fluid and plasma prostaglandin responses to aspirin in normal subjects. Jubiz W, et al. *Fertil Steril* 24:977-8, Dec 73

The release of PGE2-like activity into aqueous humor after paracentesis and its prevention by aspirin. Miller JD, et al. *Invest Ophthalmol* 12:939-42, Dec 73
Proceedings: Prostaglandin E1 synthesis by phagocytosing rabbit polymorphonuclear leukocytes: its inhibition by indomethacin and its role in chemotaxis. McCall E, et al.

J Physiol (Lond) 234:98P-100P, Oct 73
Letter: Inhibitors of prostaglandin synthesis and fetal development. Persaud TV, et al. *Lancet* 1:93, 19 Jan 74
Letter: Prostaglandins, nutmeg and diarrhea. Bennett A, et al. *N Engl J Med* 290:110-1, 10 Jan 74
Letter: Prostaglandins, bone resorption and hyperglycemia. Tashjian AH Jr, et al. *N Engl J Med* 290:166, 17 Jan 74

Hypophysectomy in young rats and prostaglandin synthesis. *Nutr Rev* 31:284-6, Sep 73 (11 ref.)
An enzymatic mechanism for the antithrombotic and antihemostatic actions of aspirin. Willis AL. *Science* 183:325-7, 25 Jan 74

Acetylenic analog of arachidonate that acts like aspirin on platelets. Willis AL, et al. *Science* 183:327-30, 25 Jan 74

Effects of indomethacin on the transcapillary leakage of macromolecules and the efflux of prostaglandins in the paw lymph following experimental scalding injury. Arturson G, et al. *Ups J Med Sci* 78:181-8, Jul 73
[Prostaglandins in inflammation--new perspectives] Sondergaard J.

Ugeskr Laeger 135:1012-7, 21 May 73 (Eng. Abstr.) (Dan)

[Recent study on the mechanism of action of aspirin] Kato Y. *Jap Stomatol Soc* 40:278, Sep 73 (8 ref.) (Jap)

[Anemization of the kidney with impairment of its excretory function as a labor-inducing factor in experimental animals] Wiskont-Buczowska H. *Ginek Pol* 44:1353-61, Dec 73 (Eng. Abstr.) (Pol)

[Advances in pulmonology. Lung--an organ of important metabolic processes] Droszcz W.

Pol Arch Med Wewn 50:1245-8, Nov 73 (Pol)
[The prostaglandins] Patulela MC.

Rev Port Pediatr 4:99-17, Jan 73 (45 ref.) (Por)

BLOOD

Method for the measurement of prostaglandin F2alpha in biological fluids by gas chromatography-mass spectrometry. Kelly RW. *Anal Chem* 45:2079-82, Oct 73
Cardiovascular-renal effects of prostaglandins: the antihypertensive, natriuretic renal "endocrine" function. Lee JB.

Arch Intern Med 133:56-76, Jan 74 (104 ref.)
Proceedings: New dialysis technique for the continuous measurement of the concentration of vasoactive hormones. Collier JG.

Br J Pharmacol 44:383P, Feb 72

Inhibition by acetamidophenol of the production of prostaglandin-like material from blood platelets in vitro in relation to some in vivo actions. Vargafitg BB, et al. *Eur J Pharmacol* 24:283-8, Dec 73

Seminal fluid and plasma prostaglandin responses to aspirin in normal subjects. Jubiz W, et al. *Fertil Steril* 24:977-8, Dec 73

Proceedings: Prostaglandin F in the vena caval blood during the oestrous cycle of the ewe. Fitzpatrick RJ, et al. *J Physiol (Lond)* 234:57P-59P, Oct 73

Androgenic regulation of plasma prostaglandin F levels

in the rat. Barcikowski B, et al.

J Reprod Fertil 35:549-51, Dec 73

Proceedings: Development of a potent antiserum to prostaglandin F and measurement of prostaglandin F in the peripheral circulation of parturient sheep. Sharma SC, et al. *J Reprod Fertil* 35:598-9, Dec 73
Letter: Prostaglandins, bone resorption and hyperglycemia. Tashjian AH Jr, et al. *N Engl J Med* 290:166, 17 Jan 74

CEREBROSPINAL FLUID

Prostaglandins and the central nervous system.

Coccani F.

Arch Intern Med 133:119-29, Jan 74 (128 ref.)

Effect of pyrogen and antipyretics on prostaglandin activity in cisternal c.s.f. of unanaesthetized cats. Feldberg W, et al. *J Physiol (Lond)* 234:279-303, Oct 73

CHEMICAL SYNTHESIS

Synthesis of (plus or minus)-9-deoxy-11-dehydro-13,14-dihydro-15-R,S-prostaglandin. Traverso G, et al.

Farmaco [Sci] 28:1040-2, Dec 73

[Effects of prostaglandins of the F group (PGF) on the nervous system] Gumulka W, et al.

Pol Tyg Lek 28:1952-4, 3 Dec 73 (Pol)

[Some biological and pharmacological properties of prostaglandins] Gumulka W, et al.

Pol Tyg Lek 28:1904-7, 26 Nov 73 (33 ref.) (Pol)

CLASSIFICATION

Biological aspects of prostaglandins. Andersen NH, et al. *Arch Intern Med* 133:30-50, Jan 74 (7 ref.)

[Effects of prostaglandins of the F group (PGF) on the nervous system] Gumulka W, et al.

Pol Tyg Lek 28:1952-4, 3 Dec 73 (Pol)

[Some biological and pharmacological properties of prostaglandins] Gumulka W, et al.

Pol Tyg Lek 28:1904-7, 26 Nov 73 (33 ref.) (Pol)

DIAGNOSTIC USE

Prostaglandin E1 (PGE1) in peripheral arteriographies.

Carlson LA, et al.

Acta Radiol [Diagn] (Stockh) 14:583-7, Sep 73

ISOLATION & PURIFICATION

Cardiovascular-renal effects of prostaglandins: the antihypertensive, natriuretic renal "endocrine" function. Lee JB.

Arch Intern Med 133:56-76, Jan 74 (104 ref.)

[The prostaglandins] Patulela MC.

Rev Port Pediatr 4:99-17, Jan 73 (45 ref.) (Por)

METABOLISM

Metabolism of vasoactive hormones by lung. Gillis CN. *Anesthesiology* 39:626-32, Dec 73 (66 ref.)

Lipid peroxide and lung prostaglandins. Tan WC, et al. *Arch Environ Health* 28:82-4, Feb 74

Biological aspects of prostaglandins. Andersen NH, et al. *Arch Intern Med* 133:30-50, Jan 74 (7 ref.)

Prostaglandins and the central nervous system.

Coccani F.

Arch Intern Med 133:119-29, Jan 74 (128 ref.)

Prostaglandins: their actions on the gastrointestinal tract. Willson DE.

Arch Intern Med 133:112-8, Jan 74 (83 ref.)

Macromolecular binding of (5,6-3H) prostaglandin E1 in liver cytosol in vitro. Litwack G, et al.

Biochem Biophys Res Commun 55:977-84, 10 Dec 73

Specific prostaglandin E1 and A1 binding sites in rat adipocyte plasma membranes. Gorman RR, et al.

Biochim Biophys Acta 323:560-72, 16 Nov 73

Binding of prostaglandin E1 to rat thymocytes. Schaumburg BP.

Biochim Biophys Acta 326:127-39, 17 Oct 73

Radioimmunoassay of prostaglandin A. Intrarenal PGA2 as a factor mediating saline-induced

natriuresis. Attallab AA, et al.

Circ Res 33:696-703, Dec 73

Proceedings: The involvement of prostaglandin in ocular trauma. Cole DF, et al.

Exp Eye Res 17:395, 25 Nov 73

Sarcoplasmic reticulum from pregnant bovine uterus;

- prostaglandins and calcium. Carsten ME. *Gynecol Invest* 4:95-105, 1973
- Distribution of prostaglandins in inflammatory exudate. Velo GP, et al. *J Pathol* 111:149-58, Nov 73
- A technique for studying the transfer of substances from venous to arterial blood in the spermatic cord of wallabies and rams. Jacks F, et al. *J Physiol (Lond)* 233:17P-18P, Aug 73
- The lung—an endocrine organ? Said SI. *Jap J Thorac Dis* 11:509-12, Sep 73
- Letter: Aspirin, prostaglandin, and gestation. Horan AH. *Lancet* 1:31, 5 Jan 74
- Prostaglandins, bone resorption and hypercalcemia. Harris M, et al. *N Engl J Med* 289:865, 18 Oct 73
- Prostaglandin-releasing effect of exogenous noradrenaline in isolated rabbit heart. Pham-Huu-Chanh, et al. *Naturwissenschaften* 60:482, Oct 73
- Phospholipids and fatty acids in relation to the premature induction of labor in rabbits. Lanman JT, et al. *Pediatr Res* 8:1-4, Jan 74
- Effects of indomethacin on the transcapillary leakage of macromolecules and the efflux of prostaglandins in the paw lymph following experimental scalding injury. Arturson G, et al. *Ups J Med Sci* 78:181-8, Jul 73
- [Some biological and pharmacological properties of prostaglandins] Gumulka W, et al. *Pol Tyg Lek* 28:1904-7, 26 Nov 73 (33 ref.) (Poi)
- [The prostaglandins] Patuleia MC. *Rev Port Pediatr* 4:99-17, Jan 73 (45 ref.) (Por)

PHARMACODYNAMICS

- Modification by PGE₁ of contractile effects of catecholamines and acetylcholine on isolated human nonpregnant myometrium. Midak E. *Acta Physiol Pol* 24:841-6, Nov-Dec 73
- Uncompetitive character of inhibition by prostaglandin E₂ of the enhancing effect of alpha-adrenoceptor blocking drug on noradrenaline secretion in isolated guinea-pig vas deferens. Stjärne L. *Acta Physiol Scand* 89:278-82, Oct 73
- Aspirin-like drugs and prostaglandins. Flower RJ. *Am Heart J* 86:844-6, Dec 73
- Midtrimester abortion induced with a single intra-amniotic instillation of prostaglandin F₂ alpha. Lauersen NH, et al. *Am J Obstet Gynecol* 118:210-7, 15 Jan 74
- Effect of prostaglandin E₁ on renal hemodynamics in nondiuretic and volume-expanded dogs. Arendshorst WJ, et al. *Am J Physiol* 226:218-25, Jan 74
- Luteolysis, luteostasis, and the effect of prostaglandin F₂ alpha in cows after endometrial irritation. Sequin BE, et al. *Am J Vet Res* 35:57-61, Jan 74
- Effect of prostaglandin F₂ alpha (PGF₂ alpha) on arterial and venous contractility and ⁴⁵Ca uptake. Greenberg S, et al. *Arch Int Pharmacodyn Ther* 205:381-98, Oct 73
- Interaction of prostaglandin A₂ with vascular smooth muscle tone and contractility. Greenberg S, et al. *Arch Int Pharmacodyn Ther* 205:399-414, Oct 73
- The action of polypeptides, amines and prostaglandins on isolated smooth muscle preparations of seminal vesicles and deferent ducts. Negri L, et al. *Arch Int Pharmacodyn Ther* 205:23-8, Sep 73
- Biological aspects of prostaglandins. Andersen NH, et al. *Arch Intern Med* 133:30-50, Jan 74 (7 ref.)
- Prostaglandins in reproduction. Behrman HR, et al. *Arch Intern Med* 133:77-84, Jan 74 (50 ref.)
- Prostaglandins and the central nervous system. Coccani F. *Arch Intern Med* 133:119-29, Jan 74 (128 ref.)
- Cardiovascular-renal effects of prostaglandins: the antihypertensive, natriuretic renal "endocrine" function. Lee JB. *Arch Intern Med* 133:56-76, Jan 74 (104 ref.)
- Adenyl cyclase in normal and pathologic human muscle. Mawardi S, et al. *Arch Neurol* 30:96-102, Jan 74
- The in vivo effect of indomethacin and prostaglandin E₂ on ACTH and DBCAMP-induced steroidogenesis in hypophysectomized rats. Gallant S, et al. *Biochem Biophys Res Commun* 55:831-6, 10 Dec 73
- The stimulation of hepatic adenylate cyclase by prostaglandin E₁. Sweat FW, et al. *Biochem Biophys Res Commun* 55:522-9, 16 Nov 73
- Proceedings: Inhibitory nature of the adrenergic innervation in the guinea-pig vas deferens. Ambache N, et al. *Br J Pharmacol* 44:359P-360P, Feb 72
- Proceedings: Action of prostaglandins A₂, B-1, E₂ and

- F₂ alpha on superficial hand veins of man. Collier JG, et al. *Br J Pharmacol* 44:374P-375P, Feb 72
- Proceedings: Effects of prostaglandin E₂ on rat gastric mucosal blood flow, as determined by ¹⁴C-aniline clearance. Main IH, et al. *Br J Pharmacol* 44:331P-332P, Feb 72
- Prostaglandin as a tool for local control of transmitter release from sympathetic nerves. Hedqvist P. *Brain Res* 82:483-8, 23 Nov 73
- Evidence against cyclic adenosine 3',5'-monophosphate (AMP) mediation of noradrenaline depression of cerebral cortical neurones. Lake N, et al. *Brain Res* 60:411-21, 12 Oct 73
- Cyclic adenosine 3',5'-monophosphate and cell volume. Curtis GL, et al. *Cancer Res* 33:3273-7, Dec 73
- Experimental pulmonary embolism; effect on pulmonary blood volume and vascular compliance. Alpert JS, et al. *Circulation* 49:152-7, Jan 74
- Intra-amniotic prostaglandin administration—a challenge to the currently used methods for induction of midtrimester abortion. Wikqvist N, et al. *Contraception* 8:113-31, Aug 73
- The method of intraluminal perfusion of the human small intestine. II. Absorption studies in health. Modigliani R, et al. *Digestion* 9:264-90, Oct 73 (100 ref.)
- The glucagon and fluoride sensitive adenyl cyclase in plasma membrane of rat liver. Oka H, et al. *Endocrinol Jap* 20:263-70, Jun 73
- Effects of prostaglandin antagonists on the induction of cyclic 3',5'-adenosine monophosphate formation and thyroid hormone secretion in vitro. Burke G. *Endocrinology* 91:91-6, Jan 74
- The possible mode of action of prostaglandins. 3. Ovarian response to exogenous gonadotrophins in the presence of PGF₂alpha or PGE₂ in immature rats. Chatterjee A. *Endocrinologie* 61:307-11, May 73
- A preliminary study upon the use of prostaglandins for inducing oestrus in non-cycling thoroughbred mares. Allen WR, et al. *Equine Vet J* 5:137-40, Oct 73
- Evaluation of aerosols of prostaglandins E₁ and E₂ as bronchodilators. Kawakami Y, et al. *Eur J Clin Pharmacol* 6:127-32, Aug 73
- The effect of number of stimuli and rate of stimulation on the inhibition by PGE₁ of adrenergic transmission. Illés P, et al. *Eur J Pharmacol* 24:29-36, Oct 73
- Effect of prostaglandin E₁ on the cardiac transmembrane potentials. Kecskeméti V, et al. *Eur J Pharmacol* 24:289-95, Dec 73
- Effect of prostaglandin E₁ on ouabain-induced arrhythmia. Keilher GJ, et al. *Eur J Pharmacol* 24:410-4, Dec 73
- Cardiovascular actions of prostaglandins E₁ and F₂ alpha in the cat. Koss MC, et al. *Eur J Pharmacol* 24:151-7, Nov 73
- Circulatory and pulmonary airway responses to different mixtures of prostaglandins E₂ and F₂ alpha in dogs. Nakano J, et al. *Eur J Pharmacol* 24:61-6, Oct 73
- Mechanism of the protective effects of prostaglandins E₁ and F₂ alpha in canine endotoxin shock. Raffo GT, et al. *Eur J Pharmacol* 24:86-95, Oct 73
- The epidermal response of developing skin to prostaglandin-B₁. Mitochondrial alterations obtained in vitro. Kischer CW. *Exp Cell Res* 81:393-400, Oct 73
- Studies on cellular adhesion in tissue culture. XIII. Some effects of prostaglandins and cyclic nucleotides. Weiss L. *Exp Cell Res* 81:57-62, Sep 73
- Effect of prostaglandin E₁ on cholesterol biosynthesis in rat liver. Calandra S, et al. *Experientia* 29:1361-2, 15 Nov 73
- Effect of various prostaglandins and serotonin on protein secretion from rat exocrine pancreas. Heister S. *Experientia* 29:1234-5, 15 Oct 73
- Effects of prostaglandin A₁ on glucose utilization by rat diaphragm in vitro. D'Onofrio F, et al. *Farmacol [Sci]* 28:992-5, Dec 73
- Prostaglandin F₂alpha and primate corpus luteum: a correlation of structure and function. Kirton KT, et al. *Fertil Steril* 24:926-34, Dec 73
- Proceedings: The effect of prostaglandins and of anti-inflammatory drugs on the oesophagus and the cardiac sphincter in man. Dilawari JB, et al. *Gut* 14:322, Oct 73
- Sarcoplasmic reticulum from pregnant bovine uterus; prostaglandins and calcium. Carsten ME. *Gynecol Invest* 4:95-105, 1973
- Studies of effects of cyclic adenosine 3',5'-monophosphate in regulation of human hemopoiesis in vitro. Tisman G, et al. *In Vitro* 9:86-91, Sep-Oct 73

- Uterine motility and sperm transport in the estrous ewe after prostaglandin induced regression of corpora lutea. Hawk HW. *J Anim Sci* 37:1380-5, Dec 73
- Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins. Marsh JM, et al.
J Clin Endocrinol Metab 38:99-106, Jan 74
- Hemolytic plaque formation by leukocytes in vitro. Control by vasoactive hormones. Melmon KL, et al.
J Clin Invest 53:13-21, Jan 74
- Induction of the platelet release reaction by phytohemagglutinin. Tollefsen DM, et al.
J Clin Invest 53:211-8, Jan 74
- Mechanisms of lysosomal enzyme release from human leukocytes. II. Effects of cAMP and cGMP, autonomic agonists, and agents which affect microtubule function. Zurier RB, et al.
J Clin Invest 53:297-309, Jan 74
- Stimulation of intestinal adenyl cyclase by *Escherichia coli* enterotoxin: comparison of strains from an infant and an adult with diarrhea. Kantor HS, et al.
J Infect Dis 129:1-9, Jan 74
- In vitro effects of prostaglandin E2 on cutaneous vascular smooth muscle in the dog and in man. Goldyne ME, et al. *J Invest Dermatol* 60:258-62, May 73
- Letter: Lack of influence of indomethacin on neurogenic vasodilatation in the hind-limb and spleen of the dog. Osswald W.
J Pharm Pharmacol 25:655-6, Aug 73
- Letter: Prostaglandins as regulators of bradykinin responses. Thomas G, et al.
J Pharm Pharmacol 25:747-8, Sep 73
- Effect of certain halogenated hydrocarbon insecticides on cyclic adenosine 3',5'-monophosphate-3H formation by rat kidney cortex. Kacaw S, et al.
J Pharmacol Exp Ther 188:265-76, Jan 74
- Microinjection study of renal action of prostaglandin A2 (PGA2) in rats. Kauker ML.
J Pharmacol Exp Ther 187:632-40, Dec 73
- Peripheral facilitation of reflex vasoconstriction by prostaglandin F2alpha. Powell JR, et al.
J Pharmacol Exp Ther 187:495-500, Dec 73
- The effects of arachidonic acid, prostaglandin E2 and prostaglandin F2alpha on the longitudinal stomach strip of the rat. Splawinski JA, et al.
J Pharmacol Exp Ther 187:501-10, Dec 73
- Proceedings: The mechanism of action of prostaglandin F2a on cerebral flow in the baboon. Pickard JD.
J Physiol (Lond) 234:46P-47P, Oct 73
- Proceedings: Assay of oxytocin on the superfused mouse mammary gland using an automatic apparatus. Robinson IC, et al. *J Physiol (Lond)* 234:6P-7P, Oct 73
- Proceedings: The use of drugs to elucidate the mechanism of luteolysis in the pseudopregnant rat. Bishop CL, et al. *J Reprod Fertil* 35:597-8, Dec 73
- The effect of prostaglandins E1 and F2alpha on the fertilizing ability of hamster spermatozoa. Lubicz-Nawrocki CM, et al.
J Reprod Fertil 35:557-9, Dec 73
- An abrupt temperature-dependent change in the energy of activation of hormone-stimulated hepatic adenyl cyclase. Keirns JJ, et al.
J Supramol Struct 1:368-79, 1973
- Ultrastructure of the platelet release reaction in response to various aggregating agents and their inhibitors. Droller MJ. *Lab Invest* 29:595-606, Dec 73
- Possibilities for drug development based on the cyclic AMP system. Amer MS, et al.
Life Sci 13:753-67, 1 Oct 73 (93 ref.)
- Block of oxytocin-induced parturition and oviposition by prostaglandin inhibitors. Hertelendy F.
Life Sci 13:1581-9, 1 Dec 73
- The role of cyclic AMP in mesenteric vasodilation. Shepherd AP, et al. *Microvasc Res* 6:332-41, Nov 73
- The activation of adenylate cyclase. I. A postulated mechanism for fluoride and hormone activation of adenylate cyclase. Najjar VA, et al.
Mol Cell Biochem 2:87-93, 15 Nov 73
- Prostaglandins, bone resorption and hypercalcemia. Harris M, et al. *N Engl J Med* 289:865, 18 Oct 73
- Letter: Prostaglandins, bone resorption and hypercalcemia. Kuppe G, et al.
N Engl J Med 290:230-1, 24 Jan 74
- Prostaglandins, aspirin-like drugs and the oedema of inflammation. Moncada S, et al.
Nature 246:217-9, 23 Nov 73
- Prostaglandins as potentiators of increased vascular permeability in inflammation. Williams TJ, et al.
Nature 246:215-7, 23 Nov 73
- Leakage of cyclic AMP from human diploid fibroblasts in tissue culture. Franklin TJ, et al.
Nature [New Biol] 246:119-20, 28 Nov 73
- Hormone-induced desensitization of hormonal control of cyclic AMP levels in human diploid fibroblasts. Franklin TJ, et al.
Nature [New Biol] 246:146-8, 5 Dec 73
- Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. Lahhsetwar AP, et al.
Nature [New Biol] 246:55-6, 14 Nov 73
- Morphological transformation of enucleated Chinese hamster ovary cells by dihydryl adenosine 3',5'-monophosphate and hormones. Schröder CH, et al. *Nature [New Biol]* 246:58-60, 14 Nov 73
- The effect of oxytocin on renal blood flow and its distribution in the dog. Barnes AB.
Nephron 11:40-57, 1973
- Central effects of prostaglandin E1 in adult fowls. Nisticò G, et al.
Neuropharmacology 12:1009-16, Nov 73
- The effect of prostaglandin E1 on norepinephrine-induced membrane depolarization and cyclic AMP accumulation in brown fat cells. Moskowitz J, et al. *Pharmacology* 10:129-35, 1973
- Role of cyclic 3',5'-adenosine monophosphate in the early transport changes induced by serum and insulin in quiescent fibroblasts. Rozengurt E, et al.
Proc Natl Acad Sci USA 70:3609-12, Dec 73
- Response of rabbit testicular capsular contractions to testosterone, prostaglandin E1, and isoproterenol in vitro and in vivo. Seeley RR, et al.
Proc Soc Exp Biol Med 144:329-32, 1 Oct 73
- Ultrastructural visualization of the thrombin-induced platelet release reaction. Droller MJ.
Scand J Haematol 11:35-49, 1973
- An enzymatic mechanism for the antithrombotic and antihemostatic actions of aspirin. Willis AL.
Science 183:325-7, 25 Jan 74
- [Prostaglandins in inflammation--new perspectives] Sondergaard J.
Ugeskr Laeger 135:1012-7, 21 May 73 (Eng. Abstr.) (Dan)
- [Platelets and inflammation. 2. In vitro action of carrageenan on human and rat blood platelets. Comparison with prostaglandin E2 action] Zawilska K, et al.
Pathol Biol (Paris) 21:Suppl:57-9, Nov 73 (Eng. Abstr.) (Fre)
- [Some effects of prostaglandins on the female genital system] Molfese A.
Minerva Ginecol 25:586-93, Oct 73 (Ita)
- [Activation of adenyl cyclase in the bovine thyroid plasma membrane with TSH, LATS and prostaglandin E2] Sato S, et al.
Clin Endocrinol (Tokyo) 21:725-9, Jul 73 (Jap)
- [Prostaglandins and renal function] Mitsuhashi S.
Jap J Urol 64:705-6, Sep 73 (Jap)
- [Effects of prostaglandins of the F group (PGF) on the nervous system] Gumulka W, et al.
Pol Tyg Lek 28:1952-4, 3 Dec 73 (Pol)
- [Some biological and pharmacological properties of prostaglandins] Gumulka W, et al.
Pol Tyg Lek 28:1904-7, 26 Nov 73 (33 ref.) (Pol)
- [The prostaglandins] Patulela MC.
Rev Port Pediatr 4:99-17, Jan 73 (45 ref.) (Por)
- [The effect of the prostaglandin E1 on the isolated frog stomach muscle] Baysal F, et al.
Turk Hij Tecr Biyol Derg 32:117-21, 1972 (Eng. Abstr.) (Tur)

PHYSIOLOGY

- Prostaglandins in hematology. Allen JE, et al.
Arch Intern Med 133:86-96, Jan 74 (61 ref.)
- Prostaglandins in reproduction. Behrman HR, et al.
Arch Intern Med 133:77-84, Jan 74 (50 ref.)
- Prostaglandins and the central nervous system. Coceani F.
Arch Intern Med 133:119-29, Jan 74 (128 ref.)
- Cardiovascular-renal effects of prostaglandins: the antihypertensive, natriuretic renal "endocrine" function. Lee JB.
Arch Intern Med 133:56-76, Jan 74 (104 ref.)
- Editorial: The medical significance of prostaglandins. Willson DE. *Arch Intern Med* 133:29, Jan 74
- Prostaglandins: their actions on the gastrointestinal tract. Willson DE.
Arch Intern Med 133:112-8, Jan 74 (83 ref.)
- Prostaglandins, inflammation, and asthma. Zurier RB.
Arch Intern Med 133:101-10, Jan 74 (145 ref.)

PROSTAGLANDINS

- Aminergic transmission. Introduction and short review. Dahlström A.
Brain Res 62:441-60, 23 Nov 73 (101 ref.)
 Proceedings: Prostaglandin E1 synthesis by phagocytosing rabbit polymorphonuclear leucocytes: its inhibition by indomethacin and its role in chemotaxis. McCall E, et al.
J Physiol (Lond) 234:98P-100P, Oct 73
 Proceedings: The use of drugs to elucidate the mechanism of luteolysis in the pseudopregnant rat. Bishop CL, et al. *J Reprod Fertil* 35:597-8, Dec 73
 Editorial: Hypercalcaemia, cancer, and prostaglandins. *Lancet* 2:1247-8, 1 Dec 73
 Block of oxytocin-induced parturition and oviposition by prostaglandin inhibitors. Hertelendy F.
Life Sci 13:1581-9, 1 Dec 73
 Emerging concepts of platelet function. Deykin D. *N Engl J Med* 290:144-51, 17 Jan 74 (17 ref.)
 Phospholipids and fatty acids in relation to the premature induction of labor in rabbits. Lanman JT, et al. *Pediatr Res* 8:1-4, Jan 74
 [Some effects of prostaglandins on the female genital system] Molfese A.
Minerva Ginecol 25:586-93, Oct 73 (Ita)
 [The prostaglandins] Patuleia MC.
Rev Port Pediatr 4:99-17, Jan 73 (45 ref.) (Por)

SECRETION

- Prostaglandins and the central nervous system. Coceani F.
Arch Intern Med 133:119-29, Jan 74 (128 ref.)
 Editorial: Hypercalcaemia, cancer, and prostaglandins. *Lancet* 2:1247-8, 1 Dec 73

THERAPEUTIC USE

- New drug development--expectations and speculations. Gross F.
Acta Pharm Suec 10:401-24, Nov 73 (62 ref.)
 Midtrimester abortion induced with a single intra-amniotic instillation of prostaglandin F2 alpha. Lauersen NH, et al.
Am J Obstet Gynecol 118:210-7, 15 Jan 74
 Pretreatment with laminaria tents before mid-trimester abortion with intra-amniotic prostaglandin F2ALPHA. Stuhlfeld PG, et al.
Am J Obstet Gynecol 118:284-5, 15 Jan 74
 Cardiovascular-renal effects of prostaglandins: the antihypertensive, natriuretic renal "endocrine" function. Lee JB.
Arch Intern Med 133:56-76, Jan 74 (104 ref.)
 Editorial: The medical significance of prostaglandins. Wilson DE. *Arch Intern Med* 133:29, Jan 74
 Prostaglandins, inflammation, and asthma. Zurier RB. *Arch Intern Med* 133:101-10, Jan 74 (145 ref.)
 Intra-amniotic prostaglandin administration--a challenge to the currently used methods for induction of midtrimester abortion. Wikvist N, et al.
Contraception 8:113-31, Aug 73
 Evaluation of aerosols of prostaglandins E1 and E2 as bronchodilators. Kawakami Y, et al.
Eur J Clin Pharmacol 6:127-32, Aug 73
 Mechanism of the protective effects of prostaglandins E1 and F2 alpha in canine endotoxin shock. Raffo GT, et al. *Eur J Pharmacol* 24:86-95, Oct 73
 A comparison of oral prostaglandin E2 and intravenous Syntocinon in the induction of labour. Kelly J, et al. *J Obstet Gynaecol Br Commonw* 80:923-6, Oct 73
 Letter: Prostaglandins and convulsions. Craft I. *Lancet* 2:1389, 15 Dec 73
 Hypophysectomy in young rats and prostaglandin synthesis. *Nutr Rev* 31:284-6, Sep 73 (11 ref.)
 Prostaglandin E2 vaginal suppository as an early second trimester abortifacient. Bolognese RJ, et al.
Obstet Gynecol 43:104-8, Jan 74
 Comparison of extra- and intra-amniotic prostaglandins for therapeutic abortion. Fraser IS, et al.
Obstet Gynecol 43:97-103, Jan 74
 [Strangulated hernia of Treitz as a rare cause of ileus of pregnancy (author's transl)] Schneider V, et al. *Geburtshilfe Frauenheilkd* 33:877-81, Nov 73 (Eng. Abstr.) (Ger)
 [Bronchodilating agents. Prevention and therapy] Tofte T.
Tidsskr Nor Laegeforen 93:777-8, 20 Apr 73 (Nor)

URINE

- Method for the measurement of prostaglandin F2alpha

APPENDIX

- In biological fluids by gas chromatography-mass spectrometry. Kelly RW. *Anal Chem* 45:2079-82, Oct 73
 Letter: Arachidonic acid lowers and indomethacin increases the blood pressure of the rabbit. Larsson C, et al. *J Pharm Pharmacol* 25:652-3, Aug 73

RECEPTORS, HORMONE

- Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Krishnan AR, et al. *Acta Endocrinol (Kbh)* 74:756-68, Dec 73
 Adenyl cyclase. Perkins JP.
Adv Cyclic Nucleotide Res 3:1-64, 1973 (183 ref.)
 Endocrine and immunologic studies in breast cancer. Hoge AF, et al. *Am J Surg* 126:722-8, Dec 73
 Prostaglandins in hematology. Allen JE, et al. *Arch Intern Med* 133:86-96, Jan 74 (61 ref.)
 Biological aspects of prostaglandins. Andersen NH, et al. *Arch Intern Med* 133:30-50, Jan 74 (7 ref.)
 Prostaglandins: their actions on the gastrointestinal tract. Willson DE.
Arch Intern Med 133:112-8, Jan 74 (83 ref.)
 A specific glucocorticoid binding macromolecule of rabbit uterine cytosol. Giannopoulos G.
Biochem Biophys Res Commun 54:600-6, 18 Sep 73
 Preparation of photo-affinity probes for the insulin receptor site in adipose and liver cell membranes. Levy D. *Biochim Biophys Acta* 322:329-36, 18 Oct 73
 Isolation of cytoplasmic glucocorticoid-binding protein(s) from rat liver by means of affinity chromatography, and its partial characterization. Wong KC, et al.
Biochim Biophys Acta 328:133-44, 11 Nov 73
 A thin-layer gel filtration assay of cytoplasmic oestrogen receptors. A possible screening method for hormone dependent tumours. Gore-Langton RE, et al. *Br J Cancer* 28:310-5, Oct 73
 Identification and partial characterization of specific estrogen receptors in the vole (*Microtus montanus*). Beers PC, et al.
Comp Biochem Physiol [B] 46:647-52, Dec 73
 5Alpha-dihydrotestosterone "receptor" in the rat hypothalamus. Kato J, et al.
Endocrinol Jap 20:429-32, Aug 73
 Effects of secretin on guanylate cyclase of various tissues. Thompson WJ, et al. *Endocrinology* 91:276-8, Jan 74
 Estrogen-sensitive cells. Hormone receptors in tumors and cells in culture. Meister J, et al.
Exp Cell Res 81:447-52, Oct 73
 Hormone receptors. 3. Properties of glucagon-binding proteins isolated from liver plasma membranes. Giorgio NA, et al. *J Biol Chem* 249:428-37, 25 Jan 74
 Evidence for a dissociable glucagon binding site in a solubilized preparation of myocardial adenylate cyclase. Klein I, et al. *J Biol Chem* 248:5552-4, 10 Aug 73
 Evidence for interdependent action of glucagon and nucleotides on the hepatic adenylate cyclase system. Rodbell M, et al. *J Biol Chem* 249:59-65, 10 Jan 74
 Insulin binding to rat liver Golgi fractions. Bergeron JJ, et al. *J Cell Biol* 59:771-6, Dec 73
 Estrogen receptor concentration in normal and pathological human uterine tissues. Evans LH, et al. *J Clin Endocrinol Metab* 38:23-32, Jan 74
 TSH stimulation of 32P incorporation into phospholipids of thyroids from patients with Graves' disease. Schneider PB.
J Clin Endocrinol Metab 38:148-50, Jan 74
 Separation of specific antibody-forming mouse cells by their adherence to insolubilized endogenous hormones. Melmon KL, et al.
J Clin Invest 53:22-30, Jan 74
 Influence of testosterone and cyproterone acetate on the rate of mitosis in seminal vesicles of rats. Dahnke HG, et al. *J Endocrinol* 59:535-8, Dec 73
 Proceedings: Effects in vitro of cytoplasmic and nuclear 5alpha-dihydrotestosterone-receptor complexes on prostatic RNA polymerase activities. Davies P, et al. *J Endocrinol* 59:xix, Nov 73
 A human cell line from a pleural effusion derived from a breast carcinoma. Soule HD, et al.
J Natl Cancer Inst 51:1409-16, Nov 73
 Characteristics of the catecholamine and histamine receptor sites mediating accumulation of cyclic adenosine 3',5'-monophosphate in guinea pig brain. Chasin M, et al. *J Neurochem* 21:1415-27, Dec 73
 Involvement of calcium in the inhibitory effects of putative transmitter substances in the cerebral cortex. Lake N, et al.
J Physiol (Lond) 233:47P-49P, Aug 73
 Binding of radiolabeled human placental lactogen to

APPENDIX

RECEPTORS, HORMONE

buffalo corpus luteum in vitro. Moodbidri SB, et al.
J Reprod Fertil 35:453-60, Dec 73

Age-dependent differences in the binding of (131-I) LH
 by rat testis homogenates. Sharpe RM, et al.
J Reprod Fertil 35:529-32, Dec 73

The role of cyclic nucleotides in visual excitation.
 Bitensky MW, et al.
Life Sci 13:1451-72, 1 Dec 73 (37 ref.)

Role of cyclic AMP in the action of antidiuretic
 hormone on kidney. Doussa TP.
Life Sci 13:1033-40, 16 Oct 73 (22 ref.)

Uptake of estradiol by the rat pineal organ. Effects of
 cervical sympathectomy, stage of the estrous cycle
 and estradiol treatment. Nagle CA, et al.
Life Sci 13:1089-103, 16 Oct 73

Hormone dependence in breast cancer. McGuire WL, et
 al. *Metabolism* 23:75-100, Jan 74 (154 ref.)

Differences between cytoplasmic
 glucocorticoid-binding proteins shown by
 heterogeneity of nuclear acceptor sites. Lippman ME,
 et al. *Nature* 246:352-5, 7 Dec 73

HCG-receptor present in the gonadotrophin insensitive
 Leydig cell of the immature rat. Frowein J, et al.
Nature [New Biol] 246:148-50, 5 Dec 73

Regulation of hepatic glycogen synthesis during fetal
 development: roles of hydrocortisone, insulin, and
 insulin receptors. Eisen HJ, et al.
Proc Natl Acad Sci USA 70:3454-7, Dec 73

Nuclear binding of steroid receptors: comparison in
 intact cells and cell-free systems. Higgins SJ, et al.
Proc Natl Acad Sci USA 70:3415-8, Dec 73

Thyroid hormone action in cell culture: demonstration
 of nuclear receptors in intact cells and isolated nuclei.
 Samuels HH, et al.
Proc Natl Acad Sci USA 70:3488-92, Dec 73

Proceedings: Hormonal relations of endometrial
 cancer. Gusberg SB.
Proc Natl Cancer Conf 7:213-7, 1973

Effects of corticosterone on phosphorylation of rat
 liver nuclear proteins in vitro. Bottoms GD, et al.
Proc Soc Exp Biol Med 144:83-8, 1 Oct 73

Criticism about the use of muscles provided with a
 testosterone-binding protein to evaluate the
 mitogenic activity of androgens. Bergamini E.
Steroids Lipids Res 4:119-21, Mar 73

Estrogen receptor-anti-estrogen complex: atypical
 binding by uterine nuclei and effects on uterine
 growth. Clark JH, et al. *Steroids* 22:707-18, Nov 73

Rate control by insulin and its mechanism. Randle PJ,
 et al. *Symp Soc Exp Biol* 27:401-28, 1973 (160 ref.)

[The epidermis of the pupae of *Tenebrio molitor* L. as
 target organ for the juvenile hormone analogue
 10,11-epoxy-6,7-trans-2,3-trans-
 farnesylpropenylether (author's transl)] Schmalek
 P, et al.
Z Naturforsch [C] 28:173-7, Mar-Apr 73 (Eng. Ahstr.)
 (Ger)

[Insulin] Fujii S.
Clin Endocrinol (Tokyo) 21:761-79, Aug 73 (146 ref.)
 (Jap)

[Mechanism of action of LH-RH] Kaneko T.

Clin Endocrinol (Tokyo) 21:893-6, Sep 73 (17 ref.)
 (Jap)

[Progesterone-receptor] Kato J.
Clin Endocrinol (Tokyo) 21:821-30, Aug 73 (58 ref.)
 (Jap)

[Mechanism of insulin action] Suzuki F.
Clin Endocrinol (Tokyo) 21:693-9, Jul 73 (20 ref.) (Jap)

[Progesterone receptor in the uterus of rabbits and
 rats] Ishihara S, et al.
Folia Endocrinol Jap 49:1254-60, Oct 73 (Eng. Ahstr.)
 (Jap)

[Testicular feminization] Matsumoto K, et al.
Jap J Clin Med 31:2524-8, 10 Aug 73 (Jap)

[Pathophysiology and therapy of diabetes] Tatón J.
Pol Arch Med Wewn 50:1139-48, Nov 73 (Pol)

[Significance of cyclic 3' 5'-AMP in the pathology of
 some skin diseases] Jacyk W.
Pol Tyg Lek 28:1650-3, 15 Oct 73 (27 ref.) (Pol)

DRUG EFFECTS

Testosterone binding in the chick oviduct. Harrison
 RW, et al.
Biochem Biophys Res Commun 55:857-63, 10 Dec 73

Effect of thyroid hormone analogues on the
 displacement of 125I-L-triiodothyronine from hepatic
 and heart nuclei in vivo: possible relationship to
 hormonal activity. Oppenheimer JH, et al.
Biochem Biophys Res Commun 55:544-50, 10 Dec 73

Progesterone-binding protein in human myometrium.
 Ligand specificity and some physicochemical
 characteristics. Lontula K, et al.
Biochim Biophys Acta 328:145-53, 11 Nov 73

An investigation of progesterone receptors in guinea
 pig vagina, uterine cervix, mammary glands, pituitary
 and hypothalamus. Atger M, et al.
Endocrinology 91:161-7, Jan 74

Selective microvascular constrictor actions of some
 neurohypophyseal peptides. Altura BM.
Eur J Pharmacol 24:49-60, Oct 73

Properties of follicle-stimulating hormone-receptor
 interactions. Specific binding of human
 follicle-stimulating hormone to rat testes. Bhalla VK,
 et al. *J Biol Chem* 249:43-51, 10 Jan 74

Evidence for interdependent action of glucagon and
 nucleotides on the hepatic adenylate cyclase system.
 Rodbell M, et al. *J Biol Chem* 249:59-65, 10 Jan 74

Steroid-induced nuclear binding of glucocorticoid
 receptors in intact hepatoma cells. Rousseau GG, et al.
J Mol Biol 79:539-54, 25 Sep 73

Proceedings: Oestrogen binding to rabbit blastocysts
 and its possible role in implantation. Bullock DW, et
 al. *J Reprod Fertil* 35:614-5, Dec 73

Binding of radiolabeled human placental lactogen to
 buffalo corpus luteum in vitro. Moodbidri SB, et al.
J Reprod Fertil 35:453-60, Dec 73

[Mechanisms of action of oral contraceptives] Viikho R.
Duodecim 89:1612-7, Oct 73 (14 ref.) (Fin)

HORMONES, ECTOPIC Cont.

Pheochromocytoma causing exces-
 sive parathyroid hormone pro-
 duction and hypercalcemia.
 Kukreja SC, et al. *Ann Intern
 Med* 79: 838-40, Dec 73

A gonadotropin-responsive ad-
 renocortical adenoma. Givens
 JR, et al. *J Clin Endocrinol
 Metab* 38: 126-33, Jan 74

REVIEW SECTION

ADRENAL CORTEX HORMONES

PHYSIOLOGY

[Effects of corticosteroids on the synthesis of proteins in the organism] Hanzlik J, et al.
Pol Tyg Lek 28:2024-7, 17 Dec 73 (25 ref.) (Pol)

THERAPEUTIC USE

Therapeutic use of corticosteroids in dentistry. A review. Gee JK. NY State Dent J 40:89-96, Feb 74

ADRENAL GLAND DISEASES

DRUG THERAPY

[Some diagnostic and therapeutic aspects of adrenal disorders in childhood (author's transl)] Blunck W. Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Eng. Abstr.) (Ger)

ADRENAL GLAND NEOPLASMS

DIAGNOSIS

[Biochemical diagnosis of pheochromocytomas] Wocial B. Kardiol Pol 16:419-26, 1973 (62 ref.) (Pol)

ADRENALECTOMY

Adrenalectomy and hypophysectomy* for prostatic cancer. Brendler H. Urology 2:99-102, Aug 73 (38 ref.)

ALDOSTERONE

PHYSIOLOGY

Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R. Metabolism 22:1525-45, Dec 73 (176 ref.)

ANDROGENS

ANALYSIS

[Diagnostic significance of androgens separated by means of thin-layer chromatography] Baranowska B. Pol Tyg Lek 28:1327-8, 20 Aug 73 (17 ref.) (Pol)

PHYSIOLOGY

Fetal hormones, the brain, and human sex differences: a heuristic, integrative review of the recent literature. Reinsch JM. Arch Sex Behav 3:51-90, Jan 74 (96 ref.)

BONE AND BONES

CYTOLOGY

The bone cell system: form and function. Remagen W. Beltr Pathol 150:1-10, Oct 73 (8 ref.)

CALCIFICATION, PHYSIOLOGIC

[The mechanism of bone calcification-around the calcium transport of the hard tissue forming cells (author's transl)] Iwakura M.

Protein Nucleic Acid Enzyme (Tokyo) 18:1012-7, Nov 73 (45 ref.) (Jap)

CALCITONIN

[Thyrocalcitonin and its clinical use] Migunova NA, et al. Sov Med 36:34-8, Apr 73 (54 ref.) (Rus)

CALCIUM

METABOLISM

[The mechanism of bone calcification-around the calcium transport of the hard tissue forming cells (author's transl)] Iwakura M. Protein Nucleic Acid Enzyme (Tokyo) 18:1012-7, Nov 73 (45 ref.) (Jap)

CHIARI-FROMMEL SYNDROME

[The Chiari-Frommel syndrome] Skalba H, et al. Ginekol Pol 44:1315-9, Nov 73 (23 ref.) (Eng. Abstr.) (Pol)

CHOLECALCIFEROL

PHARMACODYNAMICS

Effect of vitamin D3 and other factors on phosphate absorption by the chick. Nutr Rev 31:253-5, Aug 73 (3 ref.)

CHORIOCARCINOMA

DIAGNOSIS

[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatisa] Wawryk R, et al. Ginekol Pol 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatisa] Wawryk R, et al. Ginekol Pol 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

CLOMIPHENE

THERAPEUTIC USE

The development and usage of clomiphene. Bowdler IM. Bristol Med Chir J 87:53-6, Oct 72 (13 ref.)

CONTRACEPTIVES, ORAL

Contraception after abortion and post partum. An evaluation of risks and benefits of oral contraceptives with emphasis on the relation of female sex hormones to thromboembolism and genital and breast cancer. Vorherr H. Am J Obstet Gynecol 117:1002-25, 1 Dec 73 (118 ref.) [Psychosomatic aspects of contraception] Rimon R. Duodecim 89:1641-8, Oct 73 (66 ref.) (Fin)

CONTRACEPTIVES, REVIEW SECTION

ADVERSE EFFECTS

evidence from research. Oral CONTRACEPTIVES AND PSY. Br J Psychiatry 123:513-8, Nov 73 (24 ref.)
[The general side effects of oral contraceptives] Pyörälä T. Duodecim 89:1626-35, Oct 73 (34 ref.) (Fin)
[Amenorrhea after stopping the pill] Bergsjö P. Tidsskr Nor Laegeforen 93:773-4, 20 Apr 73 (8 ref.) (Nor)

PHARMACODYNAMICS

[Mechanisms of action of oral contraceptives] Vihko R. Duodecim 89:1612-7, Oct 73 (14 ref.) (Fin)

CORPUS LUTEUM

ENZYMOLGY

[Aminopeptidases, amino acid arylamidases and neuraminidase as constituents of a catabolic enzyme system in the corpus luteum] Unbehauen V. Fortschr Geburtshilfe Gynaekol 50:101-71, 1973 (148 ref.) (Ger)

CORTICOTROPIN

ANALYSIS

ACTH and MSH assays and their clinical application. Besser GM.
Clin Endocrinol (Oxf) 2:175-86, Apr 73 (55 ref.)

CRYPTORCHISM

DIAGNOSIS

[Diseases of the gonads in childhood (author's transl)] Knorr D.
Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

ENDOCRINE GLANDS

DRUG EFFECTS

Effects of neuroleptanesthesia on endocrine function in man. Oyama T.
Int Anesthesiol Clin 11:171-84, Fall 73 (19 ref.)

METABOLISM

Hormone dependence in breast cancer. McGuire WL, et al. Metabolism 23:75-100, Jan 74 (154 ref.)

PHYSIOLOGY

Endocrinology of puberty. I. Normal sexual maturation. Root AW. J Pediatr 83:1-19, Jul 73 (111 ref.)

ESTROGENS

ADVERSE EFFECTS

[The general side effects of oral contraceptives] Pyörälä T. Duodecim 89:1626-35, Oct 73 (34 ref.) (Fin)

METABOLISM

Hormone dependence in breast cancer. McGuire WL, et al. Metabolism 23:75-100, Jan 74 (154 ref.)

GLUCOCORTICOIDS

PHARMACODYNAMICS

[Mechanism of action of glucocorticoides on the lymphatic system] Bojar H, et al.
Hippokrates 44:318-21, Oct 73 (18 ref.) (Ger)

GOITER, NODULAR

PATHOLOGY

Treatment of the thyroid nodule. McKenzie JM, et al. Adv Intern Med 17:215-36, 1973 (98 ref.)

GONADOTROPINS, CHORIONIC

URINE

[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al.
Ginekol Pol 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

GONADOTROPINS, PITUITARY

PHYSIOLOGY

[Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON.
Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)

GUANOSINE CYCLIC 3',5'

MONOPHOSPHATE

METABOLISM

Clinical studies and applications of cyclic nucleotides. Murad F.
Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
Possibilities for drug development based on the cyclic AMP system. Amer MS, et al.
Life Sci 13:753-67, 1 Oct 73 (93 ref.)

PHYSIOLOGY

Cyclic GMP and gastric acid secretion. Amer MS.
Am J Dig Dis 19:71-4, Jan 74 (19 ref.)

HORMONES

METABOLISM

Metabolism of vasoactive hormones by lung. Gillis CN.
Anesthesiology 39:626-32, Dec 73 (66 ref.)

HORMONES, ECTOPIC

BIOSYNTHESIS

The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). Bartter FC.
DM 1-47, Nov 73 (135 ref.)

HYDATIDIFORM MOLE

URINE

[Value of chorionic gonadotropin determination, using a serologic technic, in follow-up studies of mola hydatosa] Wawryk R, et al.
Ginekol Pol 44:1413-8, Dec 73 (18 ref.) (Eng. Abstr.) (Pol)

HYDROCORTISONE

BLOOD

Hormones, amino acids, and malnutrition.
Nutr Rev 31:306-8, Oct 73 (6 ref.)

HYPERALDOSTERONISM

[Introduction to Bartter's syndrome] Kono T.
Jap J Clin Med 31:2802-11, Sep 73 (68 ref.) (Jap)

COMPLICATIONS

[The pathogenesis of hypertension in primary aldosteronism] Hantschmann L.
Hippokrates 44:331-2, Oct 73 (7 ref.) (Ger)

DIAGNOSIS

Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Horton R.
Metabolism 22:1525-45, Dec 73 (176 ref.)

HYPERPARATHYROIDISM

COMPLICATIONS

[Peptic ulcer and pancreatitis in primary hyperparathyroidism (review of the literature)] Starostin LN, et al. *Khirurgiya (Mosk)* 49:128-33, Aug 73 (102 ref.) (Rus)

HYPOPHYSECTOMY

Adrenalectomy and hypophysectomy for prostatic cancer. Brendler H. *Urology* 2:99-102, Aug 73 (38 ref.)

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

[Thyroid pathology of hypothalamic origin] Muñoz M, et al. *Rev Iber Endocrinol* 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

PHYSIOLOGY

The hypothalamic-pituitary control of aging and age-related pathology. Everitt AV. *Exp Gerontol* 8:265-77, Oct 73 (104 ref.)

HYPOTHALAMUS

DRUG EFFECTS

[Mechanisms of action of oral contraceptives] Vihko R. *Duodecim* 89:1612-7, Oct 73 (14 ref.) (Fin)

PHYSIOLOGY

[The function of the hypothalamus and its clinical implications] László F. *Orv Hetil* 114:3001-7, 16 Dec 73 (102 ref.) (Hun)
[Various concepts and current observations on the neurohumoral control of prolactin secretion in mammals] Valverde C. *Rev Invest Clin* 25:267-85, Jul-Sep 73 (81 ref.) (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Thyroid pathology of hypothalamic origin] Muñoz M, et al. *Rev Iber Endocrinol* 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

KLINEFELTER'S SYNDROME

[The XXXXY syndrome. Report of 7 new cases and review of the literature (author's transl)] Terheggen HG, et al. *Z Kinderheilkd* 115:209-33, 1 Oct 73 (105 ref.) (Eng. Abstr.) (Ger)

LACTATION

Cancer of the breast in pregnancy and lactation. Cheek JH. *Am J Surg* 126:729-31, Dec 73 (18 ref.)

MSH

ANALYSIS

ACTH and MSH assays and their clinical application. Besser GM. *Clin Endocrinol (Oxf)* 2:175-86, Apr 73 (55 ref.)

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

DIAGNOSIS

[Renin-secreting tumors] Hayduk K. *Dtsch Med Wochenschr* 98:1874-7, 5 Oct 73 (30 ref.) (Ger)

OSTEOPOROSIS

[Primary osteoporosis: pathogenesis, diagnosis and treatment] Gasińska T. *Pol Tyg Lek* 28:1984-7, 10 Dec 73 (35 ref.) (Pol)

OVARIAN NEOPLASMS

DRUG THERAPY

Chemotherapy in advanced ovarian cancer. Schein PS. *Geriatrics* 28:89-95, Dec 73 (20 ref.)

OVARY

PHYSIOLOGY

[Importance of gonadotropic hormones in stimulating ovarian function (a review of the literature)] Savchenko ON. *Akush Ginekol (Mosk)* 49:26-33, Aug 73 (Rus)

PHEOCHROMOCYTOMA

[Pheochromocytoma] Choussat A, et al. *Ann Cardiol Angelol (Paris)* 22:275-94, Jul-Sep 73 (128 ref.) (Eng. Abstr.) (Fre)

DIAGNOSIS

[Biochemical diagnosis of pheochromocytomas] Wocial B. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)

PINEAL BODY

[The pineal organ. Anatomy, metabolism, physiology and clinical picture] Piechowiak H. *Dtsch Med Wochenschr* 98:2088-94, 2 Nov 73 (12 ref.) (Ger)

PITUITARY-ADRENAL FUNCTION TESTS

[Current state of the adrenal cortex function studies in children] Jurkov IuA, et al. *Pediatrilia* 52:72-9, Apr 73 (135 ref.) (Rus)

PITUITARY GLAND

PHYSIOLOGY

Hypophysectomy in young rats and prostaglandin synthesis. *Nutr Rev* 31:284-6, Sep 73 (11 ref.)

PLACENTA

ANATOMY & HISTOLOGY

Fine structure of the fetal-maternal area of exchange in the epitheliochorial and endotheliochorial types of placentation. Björkman N. *Acta Anat (Basel)* 86:Suppl 61:1-22, 1973 (69 ref.)

BLOOD SUPPLY

Placental transfusion. Yao AC, et al. *Am J Dis Child* 127:128-41, Jan 74 (53 ref.)

METABOLISM

Leukocyte and placental metabolism as indices of fetal malnutrition. *Nutr Rev* 31:315-7, Oct 73 (11 ref.)

PHYSIOLOGY

[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P. *Dtsch Med Wochenschr* 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

SECRETION

[Hormonal function of the placenta] Bagramian ER. *Sov Med* 35:66-71, Dec 72 (36 ref.) (Rus)

PLACENTAL HORMONES

ANALYSIS

[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P. *Dtsch Med Wochenschr* 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

SECRETION

[Hormonal function of the placenta] Bagramian ER.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)

PROGESTATIONAL HORMONES

ANALYSIS

[Value of hormone analysis for the assessment of placenta function in late pregnancy] Berle P.
Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (56 ref.) (Ger)

PROGESTERONE

[The general side effects of oral contraceptives] Pyörälä T. Duodecim 89:1628-35, Oct 73 (34 ref.) (Fin)

METABOLISM

[Progesterone-receptor] Kato J.
Clin Endocrinol (Tokyo) 21:821-30, Aug 73 (58 ref.) (Jap)

PROLACTIN

METABOLISM

Hormone dependence in breast cancer. McGulre WL, et al. Metabolism 23:75-100, Jan 74 (154 ref.)

SECRETION

[Various concepts and current observations on the neurohumoral control of prolactin secretion in mammals] Valverde C.
Rev Invest Clin 25:267-85, Jul-Sep 73 (81 ref.) (Eng. Abstr.) (Spa)

PUBERTY

Endocrinology of puberty. I. Normal sexual maturation. Root AW. J Pediatr 83:1-19, Jul 73 (111 ref.)
[Depressions and psychotic symptoms in adolescence] Taipale V. Duodecim 89:734-41, 1973 (45 ref.) (Fin)

PUBERTY, PRECOCIOUS

PHYSIOPATHOLOGY

[Precocity (author's transl)] Heige H.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.) (Eng. Abstr.) (Ger)

RENIN

BLOOD

[Renin determination for the diagnosis, differential therapy and prognosis of hypertension] Werning C. Hippokrates 44:329-31, Oct 73 (9 ref.) (Ger)

METABOLISM

Kinetics of the renin system. The basis for determination of the different components of the system. Poulsen K.
Scand J Clin Lab Invest 31:3-86, 1973 (370 ref.)

PHYSIOLOGY

The pathophysiology of renin. Berman LB, et al. Clin Symp 25:1-35, 1973 (11 ref.)

SECRETION

[Renin-secreting tumors] Hayduk K.
Dtsch Med Wochenschr 98:1874-7, 5 Oct 73 (30 ref.) (Ger)

RICKETS

Vitamin D and rickets. Verma IC, et al. Indian Pediatr 10:471-82, Aug 73 (58 ref.)

ETIOLOGY

Phytate and rickets. Nutr Rev 31:238-9, Aug 73 (8 ref.)

SEX CHROMOSOME

ABNORMALITIES

DIAGNOSIS

[The XXXXY syndrome. Report of 7 new cases and review of the literature (author's transl)] Terheggen HG, et al.
Z Kinderheilkd 115:209-33, 1 Oct 73 (105 ref.) (Eng. Abstr.) (Ger)

SEX HORMONES

PHYSIOLOGY

[Sex hormones] Sugawa T.
Clin Endocrinol (Tokyo) 21:805-12, Aug 73 (8 ref.) (Jap)

SOMATOMEDIN

PHYSIOLOGY

Regulation of skeletal growth by sulfation factor. Daughaday WH.
Adv Intern Med 17:237-63, 1973 (70 ref.)

SOMATOTROPIN

BLOOD

Hormones, amino acids, and malnutrition. Nutr Rev 31:306-8, Oct 73 (6 ref.)

PHYSIOLOGY

Regulation of skeletal growth by sulfation factor. Daughaday WH.
Adv Intern Med 17:237-63, 1973 (70 ref.)
[Growth hormone and enzymes] Takeda Y, et al.
Clin Endocrinol (Tokyo) 21:781-8, Aug 73 (55 ref.) (Jap)

TESTICULAR DISEASES

THERAPY

[Diseases of the gonads in childhood (author's transl)] Knorr D.
Monatsschr Kinderheilkd 121:631-3, Oct 73 (8 ref.) (Eng. Abstr.) (Ger)

TESTICULAR NEOPLASMS

Proceedings: Germinal testis tumors in adults. Whitmore WF Jr.
Proc Natl Cancer Conf 7:793-801, 1973 (85 ref.)

TESTIS

BLOOD SUPPLY

[Disturbances of the blood circulation of the testis epididymis system and relations to the male fertility (author's transl)] Hornstein OP.
Andrologie 5:119-25, 1973 (34 ref.) (Eng. Abstr.) (Ger)

THYROID DISEASES

[Thyroid disorders (author's transl)] Harnack GA von.
Monatsschr Kinderheilkd 121:614-7, Oct 73 (11 ref.) (Eng. Abstr.) (Ger)

ETIOLOGY

[Thyroid pathology of hypothalamic origin] Muñoz M, et al.
Rev Iber Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Evolving concepts of the genetics of thyroid disease-a review. Bartuska D.
Am J Med Sci 268:249-52, Oct 73 (17 ref.)

THYROID GLAND

PATHOLOGY

Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)

PHYSIOLOGY

[Thyroid gland and the stomach] Mosin VI.
Klin Med (Mosk) 51:15-21, Jan 73 (84 ref.) (Rus)

THYROID HORMONES

METABOLISM

Interaction of drugs with thyroid hormone binding sites. Oppenheimer JH.
Ann NY Acad Sci 226:333-40, 26 Nov 73 (26 ref.)

THYROID NEOPLASMS

DIAGNOSIS

Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)

DRUG THERAPY

Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)

OCCURRENCE

Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)

PATHOLOGY

Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)

RADIOTHERAPY

Treatment of the thyroid nodule. McKenzie JM, et al.
Adv Intern Med 17:215-36, 1973 (98 ref.)

THERAPY

Proceedings: Management of cancer of the thyroid: a

summary. Strong EW.
Proc Natl Cancer Conf 7:179-85, 1973 (33 ref.)

TRIiodOTHYRONINE

Triiodothyronine. Hoffenberg R.
Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)

PHYSIOLOGY

[Triiodothyronine, physiological, physiopathological and clinical importance (comprehensive review)]
Hainer V, et al.
Vnitr Lek 19:1152-8, Dec 73 (39 ref.) (Eng. Abstr.) (Cze)

VASOPRESSIN

PHYSIOLOGY

Role of cyclic AMP in the action of antidiuretic hormone on kidney. Dousa TP.
Life Sci 13:1033-40, 16 Oct 73 (22 ref.)

SECRETION

The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). Bartter FC.
DM 1-47, Nov 73 (135 ref.)

VITAMIN D

Vitamin D and rickets. Verma IC, et al.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)

METABOLISM

Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). Coburn JW, et al.
Clin Nephrol 1:273-83, Sep-Oct 73 (87 ref.)
[Vitamin D metabolism and its role in the light of new experimental achievements] Szolc A, et al.
Pediatr Pol 48:1275-9, 1973 (19 ref.) (Pol)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the sub-headings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

ASCORBIC ACID

Automated specific fluorimetric methods for epinephrine and norepinephrine assay in a single biological extract. Peyrin L, et al.

Anal Biochem 56:515-31, Dec 73

ASCORBIC ACID/ AUTOANALYSIS/
BUFFERS/ DOPA, analysis/ DOPAMINE,
analysis/ *EPINEPHRINE, analysis/
EPINEPHRINE, urine/ FERRICYANIDES/
FLUOROMETRY/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INDICATORS AND
REAGENTS/ METHODS/ *NOREPINEPHRINE,
analysis/ NOREPINEPHRINE, urine/
OXIDATION-REDUCTION/ SODIUM
HYDROXIDE/ SPECTROMETRY,
FLUORESCENCE

AUTOANALYSIS

Automated specific fluorimetric methods for epinephrine and norepinephrine assay in a single biological extract. Peyrin L, et al.

Anal Biochem 56:515-31, Dec 73

ASCORBIC ACID/ AUTOANALYSIS/
BUFFERS/ DOPA, analysis/ DOPAMINE,
analysis/ *EPINEPHRINE, analysis/
EPINEPHRINE, urine/ FERRICYANIDES/
FLUOROMETRY/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INDICATORS AND
REAGENTS/ METHODS/ *NOREPINEPHRINE,
analysis/ NOREPINEPHRINE, urine/
OXIDATION-REDUCTION/ SODIUM
HYDROXIDE/ SPECTROMETRY,
FLUORESCENCE

Gel entrapment of antibody: a new strategy for facilitating both manual and automated radioimmunoassay. Updike SJ, et al.

Clin Chem 19:1339-44, Dec 73

ACRYLAMIDES/ *ANGIOTENSIN, analysis/
ANTIBODIES/ AUTOANALYSIS/ BINDING
SITES, ANTIBODY/ CATTLE/
CHROMATOGRAPHY/ DRUG STABILITY/
EVALUATION STUDIES/ FREEZE DRYING/
GUINEA PIGS, immunology/ *HAPTENS,
analysis/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ *INSULIN, analysis/
INSULIN ANTIBODIES/ IODINE
RADIOISOTOPES/ METHODS/ MOLECULAR
WEIGHT/ RABBITS, immunology/
*RADIOIMMUNOASSAY/ TEMPERATURE/
TIME FACTORS

Simultaneous automated estimation of noradrenaline and dopamine in brain tissue. Waldmeier P, et al.

Clin Chem 20:81-3, 1974

ANIMAL EXPERIMENTS/ AUTOANALYSIS/
BRAIN, drug effects/ BRAIN, metabolism/
*BRAIN CHEMISTRY/ COMPARATIVE
STUDY/ COSTS AND COST ANALYSIS/
*DOPAMINE, analysis/ *EPINEPHRINE,
analysis/ EVALUATION STUDIES/ FEMALE/
HYPOTHALAMUS, analysis/ METHODS/
PARGYLINE, pharmacodynamics/ RATS/
SPECTROMETRY, FLUORESCENCE/
TYRAMINE, pharmacodynamics

A comparison of a manual and a simple automated technique for the estimation of total oestrogens in

pregnancy urine. Corns MD, et al.

Clin Chim Acta 48:335-40, 30 Oct 73

AUTOANALYSIS/ COMPARATIVE STUDY/
*ESTRADIOL, urine/ *ESTRIOL, urine/
*ESTRONE, urine/ EVALUATION STUDIES/
FEMALE/ GLUCURONATES, analysis/
HUMAN/ HYDROCHLORIC ACID/
HYDROLYSIS/ METHODS/ *PREGNANCY/
SULFURIC ACIDS

The effect of sugars on automated urinary oestrogens estimations in pregnancy. Worth HG.

Clin Chim Acta 49:53-9, 23 Nov 73

AUTOANALYSIS/ BOROHYDRIDES/
COMPARATIVE STUDY/ *ESTROGENS, urine/
EVALUATION STUDIES/ FEMALE/
GALACTOSE, urine/ *GLYCOSURIA/ HUMAN/
LACTOSE, urine/ METHODS/ *PREGNANCY/
SORBITOL/ SPECTROMETRY,
FLUORESCENCE/ TIME FACTORS

AUTORADIOGRAPHY

Protein synthesis in pancreatic beta cells of the normal and diabetic Egyptian sand rat (*Psammomys obesus*). An autoradiographic study with the electron microscope. Molleson AL, et al.

Am J Pathol 73:495-512, Nov 73

ANIMAL EXPERIMENTS/ ANIMAL FEED/
AUTORADIOGRAPHY/ BLOOD SUGAR,
analysis/ BODY WEIGHT/ COMPARATIVE
STUDY/ CYTOPLASMIC GRANULES/
*DIABETES MELLITUS, metabolism/
DIABETES MELLITUS, pathology/ EGYPT/
ENDOPLASMIC RETICULUM/ FEMALE/
GOLGI APPARATUS/ INSULIN, biosynthesis/
INSULIN, blood/ *INSULIN, secretion/
ISLANDS OF LANGERHANS, cytology/
*ISLANDS OF LANGERHANS, metabolism/
KIDNEY, pathology/ LEUCINE, diagnostic use/
LIVER, pathology/ LUNG, pathology/ MALE/
METHODS/ MICROSCOPY, ELECTRON/
*PROTEINS, biosynthesis/ RATS/ SALIVARY
GLANDS, pathology/ TRITIUM

BIOLOGICAL ASSAY

Plasma testosterone: a simple assay without chromatography for the clinical laboratory. Patterson R, et al. Am J Clin Pathol 60:879-84, Dec 73

BIOLOGICAL ASSAY/ FEMALE/ HUMAN/
INDICATORS AND REAGENTS/ MALE/
METHODS/ PROTEIN BINDING/ SEX
FACTORS/ SPECTROMETRY, GAMMA/
*TESTOSTERONE, blood/ TIME FACTORS

Prostaglandins as mediators for the responses of the eye to trauma. Cole DF, et al.

Exp Eye Res 17:357-68, 25 Nov 73

ANIMAL EXPERIMENTS/ AQUEOUS HUMOR,
analysis/ BIOLOGICAL ASSAY/ *EYE
INJURIES, metabolism/ FEMALE/
INDOMETHACIN/ INTRAOCULAR PRESSURE/
MALE/ METHODS/ PHYSICAL
STIMULATION/ *PROSTAGLANDINS, analysis/
PUPIL/ RABBITS/ STIMULATION,
CHEMICAL/ TIME FACTORS/ TRIGEMINAL
NERVE

BODY WEIGHT

Protein synthesis in pancreatic beta cells of the normal and diabetic Egyptian rat (*Psammomys oheus*). An autoradiographic study with the electron microscope. Molleson AL, et al.

Am J Pathol 73:495-512, Nov 73

ANIMAL EXPERIMENTS/ ANIMAL FEED/ AUTORADIOGRAPHY/ BLOOD SUGAR, analysis/ BODY WEIGHT/ COMPARATIVE STUDY/ CYTOPLASMIC GRANULES/ *DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, pathology/ EGYPT/ ENDOPLASMIC RETICULUM/ FEMALE/ GOLGI APPARATUS/ INSULIN, biosynthesis/ INSULIN, blood/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, cytology/ *ISLANDS OF LANGERHANS, metabolism/ KIDNEY, pathology/ LEUCINE, diagnostic use/ LIVER, pathology/ LUNG, pathology/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ *PROTEINS, biosynthesis/ RATS/ SALIVARY GLANDS, pathology/ TRITIUM

CHEMISTRY

[Determination of adrenaline in the presence of a primary aromatic amine (an injectable solution of procaine hydrochloride and adrenaline)] Coeur A, et al. Ann Pharm Fr 30:801-7, Dec 72 (Eng. Abstr.) (Fre)

CHEMISTRY/ COLORIMETRY/ ENGLISH ABSTRACT/ *EPINEPHRINE, analysis/ FLUOROMETRY/ IODINE/ METHODS/ *PROCAINE/ SOLUTIONS

CHEMISTRY, CLINICAL

INSTRUMENTATION

[A micro-method for the determination of unconjugated 11-hydroxycorticosteroids in the capillary blood using a combination of instruments by VEB Carl Zeiss Jena. 1. Methods] Hubl W, et al. Z Med Labtech 14:223-8, 1973 (Eng. Abstr.) (Ger)

*CHEMISTRY, CLINICAL, instrumentation/ ENGLISH ABSTRACT/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ METHODS

CHROMATOGRAPHY

A simple radioimmunoassay for testosterone. Lox CD, et al. Am J Obstet Gynecol 118:114-8, 1 Jan 74

ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ CATTLE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ GYNECOLOGIC DISEASES, blood/ HUMAN/ INDICATORS AND REAGENTS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STANOLONE, blood/ *TESTOSTERONE, blood/ TRITIUM

Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.

Clin Chem 19:1293-5, Nov 73

ALDOSTERONE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOSTERONE/ CORTISONE/ ESTRADIOL/ ESTRIOL/ ESTRONE/ EVALUATION STUDIES/ HYDROCARBONS/ HYDROCORTISONE/ KETOSTEROIDS/ METHODS/ *NITRILES/ PREGNENEDIONES/ PREGNENES/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STERIODS, analysis/ STEROIDS, isolation & purification/ TIME FACTORS

Gel entrapment of antibody: a new strategy for facilitating both manual and automated radioimmunoassay. Updike SJ, et al.

Clin Chem 19:1339-44, Dec 73

ACRYLAMIDES/ *ANGIOTENSIN, analysis/ ANTIBODIES/ AUTOANALYSIS/ BINDING SITES, ANTIBODY/ CATTLE/ CHROMATOGRAPHY/ DRUG STABILITY/ EVALUATION STUDIES/ FREEZE DRYING/ GUINEA PIGS, immunology/ *HAPTENS, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *INSULIN, analysis/

INSULIN ANTIBODIES/ IODINE RADIOISOTOPES/ METHODS/ MOLECULAR WEIGHT/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ TIME FACTORS

A simplified radioimmunoassay of human gravid plasma estriol. Den K, et al.

Endocrinol Jap 20:315-22, Jun 73

ANTIGENS/ CHROMATOGRAPHY/ *ESTRIOL, blood/ IMMUNE SERUMS/ METHODS/ *PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ TIME FACTORS

The solid-phase synthesis of human and monkey beta-melanotropins. Wang KT, et al.

Int J Pept Protein Res 5:33-6, 1973

AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ MONKEYS/ MSH, analysis/ *MSH, chem synthesis/ MSH, isolation & purification/ PEPTIDES, pharmacodynamics

Radioimmunoassay of estradiol-17beta without chromatography. England BG, et al.

J Clin Endocrinol Metab 38:42-50, Jan 74

CHROMATOGRAPHY/ *ESTRADIOL, blood/ FSH, blood/ HUMAN/ IMMUNE SERUMS/ LH, blood/ METHODS/ METHYLTYROSINES/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SUCCINATES

Analysis of adrenocortical steroids in pharmaceutical preparations by high-pressure liquid-liquid chromatography. Olson MC.

J Pharm Sci 62:2001-7, Dec 73

ACTIC ACIDS, analysis/ CHROMATOGRAPHY/ CORTISONE, analysis/ *GLUCOCORTICOIDS, analysis/ HYDROCORTISONE, analysis/ KINETICS/ METHODS

Radioimmunoassay method for six steroids in human plasma. Brenner PF, et al. Steroids 22:775-94, Dec 73

*ANDROSTENOLS, blood/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CHARCOAL/ CHROMATOGRAPHY/ *ESTRADIOL, blood/ *ESTRONE, blood/ HAPTENS/ HUMAN/ METHODS/ PREGNENOLONE, blood/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *STEROIDS, blood/ *TESTOSTERONE, blood/ TRITIUM

A radioimmunoassay for deoxycorticosterone in human peripheral plasma using sephadex LH-20 chromatography. Castro A, et al.

Steroids 22:851-67, Dec 73

AMMONIUM SULFATE/ CATTLE/ CHROMATOGRAPHY/ *DEOXYCORTICOSTERONE, blood/ GAMMA GLOBULIN/ GELATIN/ HUMAN/ METHODS/ OXIMES, chem synthesis/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ TRITIUM

[Radioimmunoassay of sex steroid hormones. 5. Radioimmunoassay of progesterone] Yoshida T, et al.

Clin Endocrinol (Tokyo) 21:979-85, Sep 73 (Jap)

CHROMATOGRAPHY/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ METHODS/ *PROGESTERONE, analysis/ PROGESTERONE, blood/ *RADIOIMMUNOASSAY

[Radioimmunoassay of plasma cortisol] Makino T, et al. Folia Endocrinol Jap 49:1297-305, Oct 73 (Eng. Abstr.) (Jap)

CHROMATOGRAPHY/ COMPARATIVE STUDY/ CROSS REACTIONS/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TRITIUM

METHOD SECTION

CHROMATOGRAPHY, AFFINITY

An affinity column for renin. Murakami K, et al. *Biochem Biophys Res Commun* 54:482-7, 18 Sep 73
 ACRYLAMIDES/ ACTINOMYCES/ ANIMAL EXPERIMENTS/ CARBODIIMIDES/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ ISOENZYMES, isolation & purification/ MALE/ METHODS/ MICE/ OLIGOPEPTIDES/ PEPSIN, antagonists & inhibitors/ *RENIN, isolation & purification/ SUBMANDIBULAR GLAND, enzymology/ SUCCINIMIDES/ SWINE

CHROMATOGRAPHY,

DEAE-CELLULOSE

A note on the purification of follicle-stimulating and luteinizing hormones from baboon pituitaries. Shownkeen RC, et al. *J Endocrinol* 59:659-60, Dec 73
 ANIMAL EXPERIMENTS/ *BABOONS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *FSH, isolation & purification/ *LH, isolation & purification/ METHODS/ MONKEYS/ PITUITARY GLAND, analysis

CHROMATOGRAPHY, GAS

Computerized quantitation of drugs by gas chromatography-mass spectrometry. Baczynskyj L, et al. *Anal Chem* 45:479-82, Mar 73
 *CHROMATOGRAPHY, GAS/ *COMPUTERS, DIGITAL/ DEUTERIUM/ ESTERS, analysis/ METHODS/ METHYLTESTOSTERONE, analysis/ MICROCHEMISTRY/ *PROSTAGLANDINS, analysis/ *SPECTRUM ANALYSIS, MASS

On-line computer controlled multiple ion detection in combined gas chromatography-mass spectrometry. Holland JF, et al. *Anal Chem* 45:308-14, Feb 73
 CHROMATOGRAPHY, GAS/ FATTY ACIDS, analysis/ METHODS/ *METHYLGLYCOSIDES, analysis/ *ON LINE SYSTEMS/ *PROSTAGLANDINS, analysis/ SPECTRUM ANALYSIS, MASS

Method for the measurement of prostaglandin F₂alpha in biological fluids by gas chromatography-mass spectrometry. Kelly RW. *Anal Chem* 45:2079-82, Oct 73
 ANIMAL EXPERIMENTS/ BODY FLUIDS, analysis/ *CHROMATOGRAPHY, GAS/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, urine/ SEMEN, analysis/ SHEEP/ *SPECTRUM ANALYSIS, MASS

Display-oriented data system for multiple ion detection with gas chromatography-mass spectrometry in quantifying biomedically important compounds. Watson JT, et al. *Anal Chem* 45:2071-8, Oct 73
 *CATECHOLAMINES, analysis/ CHROMATOGRAPHY, GAS/ COMPUTERS, DIGITAL/ *DATA DISPLAY/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ *PROSTAGLANDINS, analysis/ SPECTRUM ANALYSIS, MASS

Evaluation of gas chromatographic-mass spectrometric and mass fragmentographic performance in steroid analysis with glass capillary columns. Maume BF, et al. *J Chromatogr Sci* 11:607-10, Nov 73
 CHOLESTANES, analysis/ CHROMATOGRAPHY, GAS/ *ESTROGENS, analysis/ EVALUATION STUDIES/ METHODS/ SPECTRUM ANALYSIS, MASS

Acetonitrile-diatomaceous earth column for separation of steroids and other compounds. Graham RE, et al. *J Pharm Sci* 62:1845-9, Nov 73
 ALCOHOL, ETHYL/ ALKANES/ CAPSULES, analysis/ CHLOROFORM/ CHROMATOGRAPHY, GAS/ DRUG STABILITY/ INDICATORS AND REAGENTS/ ISONIAZID/ KINETICS/ METHODS/ *NITRILES/ OINTMENTS, analysis/ PHENYLHYDRAZINE/ *SILICA/ SOLVENTS/

SPECTROPHOTOMETRY, ULTRAVIOLET/
 *STEROIDS, isolation & purification/
 SULFURIC ACIDS/ TABLETS, analysis

CHROMATOGRAPHY, ION EXCHANGE

"Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L. *Am J Clin Pathol* 61:118-21, Jan 74
 BLOOD/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ IODINE RADIOISOTOPES/ METHODS/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ SCINTILLATION COUNTERS/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE, blood

An affinity column for renin. Murakami K, et al. *Biochem Biophys Res Commun* 54:482-7, 18 Sep 73
 ACRYLAMIDES/ ACTINOMYCES/ ANIMAL EXPERIMENTS/ CARBODIIMIDES/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ ISOENZYMES, isolation & purification/ MALE/ METHODS/ MICE/ OLIGOPEPTIDES/ PEPSIN, antagonists & inhibitors/ *RENIN, isolation & purification/ SUBMANDIBULAR GLAND, enzymology/ SUCCINIMIDES/ SWINE

Measurement of serum percentage free thyroxine by equilibrium dialysis and ion-exchange chromatography. Bird R, et al. *Clin Chim Acta* 48:323-7, 30 Oct 73
 CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DIALYSIS/ EVALUATION STUDIES/ HUMAN/ IODINE RADIOISOTOPES/ MAGNESIUM/ METHODS/ *THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

[A kinetic method for the determination of thyroxine iodine (author's transl)] Arcq JC, et al. *Clin Chim Acta* 48:287-9, 30 Oct 73 (Eng. Abstr.) (Fre)
 CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ *IODINE, blood/ KINETICS/ METHODS/ SPECTROPHOTOMETRY/ *THYROXINE, blood/ TIME FACTORS

CHROMATOGRAPHY, PAPER

Measurement of serum percentage free thyroxine by equilibrium dialysis and ion-exchange chromatography. Bird R, et al. *Clin Chim Acta* 48:323-7, 30 Oct 73
 CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DIALYSIS/ EVALUATION STUDIES/ HUMAN/ IODINE RADIOISOTOPES/ MAGNESIUM/ METHODS/ *THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

Radioimmunoassay of aldosterone in plasma and urine: validation of a novel separation technique and a rapid urine assay. Jowett TP, et al. *Clin Sci Mol Med* 45:607-23, Nov 73
 *ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ HYPERTENSION, urine/ METHODS/ POSTURE/ PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ TOLUENE/ TRITIUM

METHOD SECTION

CHROMATOGRAPHY, THIN LAYER

A comparison of three methods of measuring testosterone in plasma: competitive protein binding, radioimmunoassay without chromatography and radioimmunoassay including thin layer chromatography. Pirke KM.

Acta Endocrinol (Kbh) 74:168-76, Sep 73

BINDING, COMPETITIVE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ GLOBULINS/
HUMAN/ IMMUNE SERUMS/ MALE/
METHODS/ PROTEIN BINDING/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
*TESTOSTERONE, blood/ TRITIUM

[Determination of progesterone in plasma by thin-layer densitometry (author's transl)] Egg D.

J Chromatogr 86:151-7, 7 Nov 73 (Eng. Abstr.) (Ger)

CHROMATOGRAPHY, THIN LAYER/
DENSITOMETRY/ ENGLISH ABSTRACT/
FLUORESCENCE/ HUMAN/ METHODS/
MICROCHEMISTRY/ *PROGESTERONE, blood/
SPECTROMETRY, FLUORESCENCE

[Determination of urinary

3-methoxy-4-hydroxymandellic acid (vanilmandelic acid) using thin-layer chromatography separation] Jarsumbeck B, et al.

Z Med Labortech 14:259-68, 1973 (Eng. Abstr.) (Ger)

CHROMATOGRAPHY, THIN LAYER/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MALE/ METHODS/ NEUROBLASTOMA, urine/
PHEOCHROMOCYTOMA, urine/
PHOTOMETRY/ *VANILMANDELIC ACID,
urine

[Testosterone secretion in men from childless marriages] Bönlisch S, et al.

Zentralbl Gynaekol 95:1025-39, 27 Jul 73 (Eng. Abstr.) (Ger)

ADULT/ AGE FACTORS/
CHROMATOGRAPHY, THIN LAYER/ DRUG
COMBINATIONS/ ENGLISH ABSTRACT/
GONADOTROPINS, PITUITARY,
pharmacodynamics/ HUMAN/ MALE/
MENOTROPINS, administration & dosage/
MENOTROPINS, pharmacodynamics/
METHODS/ MIDDLE AGE/ *SPERMATOCYTES/
*STERILITY, MALE, diagnosis/ STERILITY,
MALE, urine/ TESTIS, drug effects/ TESTIS,
physiology/ *TESTOSTERONE, urine

COLORIMETRY

[Determination of adrenaline in the presence of a primary aromatic amine (an injectable solution of procaine hydrochloride and adrenaline)] Coeur A, et al. Ann Pharm Fr 30:801-7, Dec 72 (Eng. Abstr.) (Fre)

CHEMISTRY/ COLORIMETRY/ ENGLISH
ABSTRACT/ *EPINEPHRINE, analysis/
FLUOROMETRY/ IODINE/ METHODS/
*PROCAINE/ SOLUTIONS

[Determination of iodine level in the hard tissues of human teeth] Lifv SE, et al.

Lab Delo 5:295-8, 1973 (Rus)

COLORIMETRY/ HUMAN/ *IODINE, analysis/
METHODS/ *TOOTH, analysis

[Method for determination of testosterone and androstenedione in the urine] Korneev GIa. Probi Endokrinol (Mosk) 19:46-50, Nov-Dec 73 (Eng. Abstr.) (Rus)

ADULT/ *ANDROSTENEDIONE, urine/
COLORIMETRY/ ENGLISH ABSTRACT/ GEL
FILTRATION/ HUMAN/ HYDRAZINES/
HYDRAZONES/ MALE/ METHODS/ MIDDLE
AGE/ OXIDATION-REDUCTION/
*TESTOSTERONE, urine

COMPARATIVE STUDY

A new principle for the comparison of insulin secretory responses. I. The effect of age on insulin secretion. Johansen K. Acta Endocrinol (Kbh) 74:511-23, Nov 73

ADMINISTRATION, ORAL/ ADULT/ AGE
FACTORS/ AGED/ *BLOOD SUGAR,
metabolism/ COMPARATIVE STUDY/
*DIABETES MELLITUS, blood/ FEMALE/

GLUCOSE, administration & dosage/
GLUCOSE TOLERANCE TEST/ HUMAN/
INJECTIONS, INTRAVENOUS/ *INSULIN,
blood/ MALE/ METHODS/
RADIOIMMUNOASSAY/ STIMULATION,
CHEMICAL/ TOLBUTAMIDE, diagnostic use

A comparison of three methods of measuring testosterone in plasma: competitive protein binding, radioimmunoassay without chromatography and radioimmunoassay including thin layer chromatography. Pirke KM.

Acta Endocrinol (Kbh) 74:168-76, Sep 73

BINDING, COMPETITIVE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ GLOBULINS/
HUMAN/ IMMUNE SERUMS/ MALE/
METHODS/ PROTEIN BINDING/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
*TESTOSTERONE, blood/ TRITIUM

"Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L.

Am J Clin Pathol 61:118-21, Jan 74

BLOOD/ CHROMATOGRAPHY, ION
EXCHANGE/ COMPARATIVE STUDY/
HUMAN/ HYDROGEN-ION CONCENTRATION/
HYPERTHYROIDISM, diagnosis/
HYPOTHYROIDISM, diagnosis/ IODINE
RADIOISOTOPES/ METHODS/ PROTEIN
BINDING/ PROTEIN-BOUND IODINE TEST/
SCINTILLATION COUNTERS/ THYROID
DISEASES, diagnosis/ *THYROID GLAND
FUNCTION TESTS/ *THYROXINE, blood/
THYROXINE-BINDING PROTEIN/
TRIIODOTHYRONINE, blood

A simple radioimmunoassay for testosterone. Lox CD, et al. Am J Obstet Gynecol 118:114-8, 1 Jan 74

ANIMAL EXPERIMENTS/ ANTIBODIES,
analysis/ CATTLE/ CHROMATOGRAPHY/
COMPARATIVE STUDY/ CROSS REACTIONS/
FEMALE/ GYNECOLOGIC DISEASES, blood/
HUMAN/ INDICATORS AND REAGENTS/
MALE/ METHODS/ RABBITS, immunology/
*RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ STANOLONE, blood/
*TESTOSTERONE, blood/ TRITIUM

Protein synthesis in pancreatic beta cells of the normal and diabetic Egyptian sand rat (Psammomys obesus). An autoradiographic study with the electron microscope. Molleson AL, et al.

Am J Pathol 73:495-512, Nov 73

ANIMAL EXPERIMENTS/ ANIMAL FEED/
AUTORADIOGRAPHY/ BLOOD SUGAR,
analysis/ BODY WEIGHT/ COMPARATIVE
STUDY/ CYTOPLASMIC GRANULES/
*DIABETES MELLITUS, metabolism/
DIABETES MELLITUS, pathology/ EGYPT/
ENDOPLASMIC RETICULUM/ FEMALE/
GOLGI APPARATUS/ INSULIN, biosynthesis/
INSULIN, blood/ *INSULIN, secretion/
ISLANDS OF LANGERHANS, cytology/
*ISLANDS OF LANGERHANS, metabolism/
KIDNEY, pathology/ LEUCINE, diagnostic use/
LIVER, pathology/ LUNG, pathology/ MALE/
METHODS/ MICROSCOPY, ELECTRON/
*PROTEINS, biosynthesis/ RATS/ SALIVARY
GLANDS, pathology/ TRITIUM

Thyrotropin-releasing hormone as a pituitary-function indicator. A comparison with other tests. Hajjar RA, et al. Arch Intern Med 132:836-9, Dec 73

ADOLESCENCE/ ADULT/ AGED/
COMPARATIVE STUDY/ FEMALE/
GONADOTROPINS, PITUITARY, blood/
HUMAN/ 17-HYDROXYCORTICOSTEROIDS,
urine/ HYPOPHYSECTOMY/
*HYPOPITUITARISM, blood/
HYPOPITUITARISM, urine/ MALE/
METHODS/ MIDDLE AGE/ PITUITARY
GLAND, metabolism/ *PITUITARY GLAND
FUNCTION TESTS/ TESTOSTERONE, blood/
THYROTROPIN, blood/ THYROTROPIN
RELEASING HORMONE, blood/
*THYROTROPIN RELEASING HORMONE,
diagnostic use

An affinity column for renin. Murakami K, et al.

Biochem Biophys Res Commun 54:482-7, 18 Sep 73
 ACRYLAMIDES/ ACTINOMYCETES/ ANIMAL
 EXPERIMENTS/ CARBODIIMIDES/
 CHROMATOGRAPHY, AFFINITY/
 CHROMATOGRAPHY, ION EXCHANGE/
 COMPARATIVE STUDY/ EVALUATION
 STUDIES/ GEL FILTRATION/ ISOENZYMES,
 Isolation & purification/ MALE/ METHODS/
 MICE/ OLIGOPEPTIDES/ PEPSIN, antagonists
 & inhibitors/ *RENIN,
 Isolation & purification/ SUBMANDIBULAR
 GLAND, enzymology/ SUCCINIMIDES/ SWINE

Radioimmunoassay of plasma progesterone. Cameron
 EH, et al. Clin Chem 19:1403-8, Dec 73
 BINDING SITES, ANTIBODY/ BLOOD
 CHEMICAL ANALYSIS, standards/
 COMPARATIVE STUDY/ CROSS REACTIONS/
 EVALUATION STUDIES/ FEMALE/ HUMAN/
 IMMUNE SERUMS, standards/ METHODS/
 OVULATION/ PREGNANCY/ PROGESTERONE,
 analysis/ *PROGESTERONE, blood/
 RADIOIMMUNOASSAY/ STERILITY, FEMALE,
 diagnosis/ STEROIDS/ TRITIUM

Radioimmunoassay of insulin in serum and plasma.
 Feldman JM, et al. Clin Chem 19:1250-4, Nov 73
 BINDING SITES/ COMPARATIVE STUDY/
 DIABETES MELLITUS, blood/ DRUG
 STABILITY/ ERYTHROCYTES, analysis/
 EVALUATION STUDIES/ GEL FILTRATION/
 GLUCOSE TOLERANCE TEST/ HEPARIN/
 HUMAN/ *INSULIN, blood/ IODINE
 RADIOISOTOPES/ METHODS/ *PLASMA,
 analysis/ PROTEIN BINDING/
 RADIOIMMUNOASSAY/ SOMATOTROPIN,
 blood/ TEMPERATURE/ TIME FACTORS

Nitrile-terminated hydrocarbons as stationary phases
 for high-performance liquid chromatography of
 steroid hormones. Fitzpatrick FA.
 Clin Chem 19:1293-5, Nov 73

ALDOSTERONE/ CHROMATOGRAPHY/
 COMPARATIVE STUDY/ CORTICOSTERONE/
 CORTISONE/ ESTRADIOL/ ESTRIOLE/
 ESTRONE/ EVALUATION STUDIES/
 HYDROCARBONS/ HYDROCORTISONE/
 KETOSTEROIDS/ METHODS/ *NITRILES/
 PREGNENEDIONES/ PREGNENES/
 SPECTROPHOTOMETRY, ULTRAVIOLET/
 *STEROIDS, analysis/ STEROIDS, Isolation &
 purification/ TIME FACTORS

Plasma renin activity: a method for rapid screening by
 radioimmunoassay and a comparison of two
 commercially available kits. Goldberg SD, et al.
 Clin Chem 19:1398-9, Dec 73

ADULT/ BLOOD CHEMICAL ANALYSIS,
 standards/ BLOOD PRESSURE/
 CEREBROVASCULAR DISORDERS,
 enzymology/ COMPARATIVE STUDY/
 CREATININE, urine/ *ENZYME TESTS/
 EVALUATION STUDIES/ FEMALE/ HUMAN/
 *HYPERTENSION, diagnosis/ HYPERTENSION,
 urine/ IODINE RADIOISOTOPES/ MALE/
 MASS SCREENING/ METHODS/ MIDDLE
 AGE/ MYOCARDIAL INFARCT, enzymology/
 RADIOIMMUNOASSAY/ *RENIN, blood/
 RENIN, urine/ SODIUM, urine

Serum thyroxine: results compared for a commercial
 radioimmunoassay and a commercial competitive
 protein binding analysis. Kubasik NP, et al.
 Clin Chem 19:1307-8, Nov 73

BINDING, COMPETITIVE/ COMPARATIVE
 STUDY/ EVALUATION STUDIES/ FEMALE/
 HUMAN/ HYPERTHYROIDISM, blood/
 HYPOTHYROIDISM, blood/ METHODS/
 PREGNANCY/ PROTEIN BINDING/
 RADIOIMMUNOASSAY/ *THYROXINE, blood

Simultaneous automated estimation of noradrenaline
 and dopamine in brain tissue. Waldmeier P, et al.
 Clin Chem 20:81-3, 1974

ANIMAL EXPERIMENTS/ AUTOANALYSIS/
 BRAIN, drug effects/ BRAIN, metabolism/
 *BRAIN CHEMISTRY/ COMPARATIVE
 STUDY/ COSTS AND COST ANALYSIS/
 *DOPAMINE, analysis/ *EPINEPHRINE,
 analysis/ EVALUATION STUDIES/ FEMALE/

HYPOTHALAMUS, analysis/ METHODS/
 PARGYLINE, pharmacodynamics/ RATS/
 SPECTROMETRY, FLUORESCENCE/
 TYRAMINE, pharmacodynamics

Measurement of serum percentage free thyroxine by
 equilibrium dialysis and ion-exchange
 chromatography. Bird R, et al.

Clin Chim Acta 48:323-7, 30 Oct 73
 CHROMATOGRAPHY, ION EXCHANGE/
 CHROMATOGRAPHY, PAPER/ COMPARATIVE
 STUDY/ DIALYSIS/ EVALUATION STUDIES/
 HUMAN/ IODINE RADIOISOTOPES/
 MAGNESIUM/ METHODS/ *THYROXINE,
 blood/ TIME FACTORS/
 TRIIODOTHYRONINE, blood

A comparison of a manual and a simple automated
 technique for the estimation of total oestrogens in
 pregnancy urine. Corns MD, et al.

Clin Chim Acta 48:335-40, 30 Oct 73
 AUTOANALYSIS/ COMPARATIVE STUDY/
 *ESTRADIOL, urine/ *ESTRIOL, urine/
 *ESTRONE, urine/ EVALUATION STUDIES/
 FEMALE/ GLUCURONATES, analysis/
 HUMAN/ HYDROCHLORIC ACID/
 HYDROLYSIS/ METHODS/ *PREGNANCY/
 SULFURIC ACIDS

Oestrogen determination in pregnancy urine using
 enzymatic hydrolysis of oestrogen conjugates.

Crowley MF, et al. Clin Chim Acta 48:115-22, 23 Nov 73
 COMPARATIVE STUDY/ ESCHERICHIA COLI,
 enzymology/ *ESTRIOL, urine/ EVALUATION
 STUDIES/ FEMALE/ GLUCURONIDASE/
 GLUCURONIDASE, metabolism/ GLYCOSURIA/
 HUMAN/ HYDROCHLOROTHIAZIDE, urine/
 HYDROGEN-ION CONCENTRATION/
 HYDROLYSIS/ KINETICS/ METHENAMINE,
 urine/ METHODS/ *PREGNANCY/ TIME
 FACTORS

A simplified competitive protein-binding assay for
 adenosine 3',5'-monophosphate in plasma. Latner AL,
 et al. Clin Chim Acta 48:353-7, 15 Nov 73

*ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, blood/ ADENOSINE
 CYCLIC 3',5' MONOPHOSPHATE, urine/
 ADRENAL GLANDS/ ADULT/ CATTLE/
 COMPARATIVE STUDY/ CROSS REACTIONS/
 EVALUATION STUDIES/ HUMAN/ MALE/
 METHODS/ MICROCHEMISTRY/ PROTEIN
 BINDING/ RECEPTORS, DRUG/ TRITIUM

The effect of sugars on automated urinary oestrogens
 estimations in pregnancy. Worth HG.

Clin Chim Acta 49:53-9, 23 Nov 73
 AUTOANALYSIS/ BOROHYDRIDES/
 COMPARATIVE STUDY/ *ESTROGENS, urine/
 EVALUATION STUDIES/ FEMALE/
 GALACTOSE, urine/ *GLYCOSURIA/ HUMAN/
 LACTOSE, urine/ METHODS/ *PREGNANCY/
 SORBITOL/ SPECTROMETRY,
 FLUORESCENCE/ TIME FACTORS

Inhibition of glucose-induced insulin secretion in
 trypsin-treated islets of Langerhans. Krause U, et al.

Horm Metab Res 5:325-9, Sep 73
 ANIMAL EXPERIMENTS/ CALCIUM/ CELLS,
 CULTURED/ CELLULOSE/
 CLOSTRIDIOPOLYMERASE A/ COMPARATIVE
 STUDY/ ELECTROPHORESIS/
 GLIBENCLAMIDE, pharmacodynamics/
 *GLUCOSE, pharmacodynamics/ HUMAN/ IN
 VITRO/ INSULIN, metabolism/ *INSULIN,
 secretion/ INSULIN ANTIBODIES/ ISLANDS
 OF LANGERHANS, drug effects/ ISLANDS
 OF LANGERHANS, metabolism/ *ISLANDS OF
 LANGERHANS, secretion/ MAGNESIUM/
 MALE/ METHODS/ RADIOIMMUNOASSAY/
 RATS/ TIME FACTORS/ TOLBUTAMIDE,
 pharmacodynamics/ *TRYPSIN,
 pharmacodynamics

Duck insulin: Isolation, crystallization and amino acid
 sequence. Markussen J, et al.

Int J Pept Protein Res 5:37-48, 1973
 AMINO ACID SEQUENCE/ *AMINO ACIDS,
 analysis/ ANIMAL EXPERIMENTS/
 CHICKENS/ COMPARATIVE STUDY/

CRYSTALLIZATION/ DUCKS/
ELECTROPHORESIS, PAPER/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ GEL FILTRATION/ HYDROGEN-ION
CONCENTRATION/ INSULIN, analysis/
*INSULIN, isolation & purification/ METHODS

The solid-phase synthesis of human and monkey
beta-melanotropins. Wang KT, et al.

Int J Pept Protein Res 5:33-6, 1973

AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ ANIMAL EXPERIMENTS/
CHROMATOGRAPHY/ COMPARATIVE
STUDY/ CORTICOTROPIN, pharmacodynamics/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ GEL FILTRATION/ HUMAN/
METHODS/ MONKEYS/ MSH, analysis/ *MSH,
chem synthesis/ MSH, isolation & purification/
PEPTIDES, pharmacodynamics

Basal levels of prolactin in goat blood measured
throughout a 24-h period by a rapid double
antibody-solid phase radioimmunoassay. Hart IC.

J Dairy Res 40:235-45, Jun 73

ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ ANTI-ANTIBODIES/
CASTRATION/ CATHETERIZATION/
CIRCADIAN RHYTHM/ COMPARATIVE
STUDY/ EVALUATION STUDIES/ FEMALE/
*GOATS, physiology/ HYPOPHYSECTOMY/
IODINE RADIOISOTOPES/ JUGULAR VEIN/
LACTATION/ MALE/ METHODS/
PERISSODACTYLA, immunology/ PITUITARY
GLAND, physiology/ PREGNANCY/
*PROLACTIN, blood/ RABBITS, immunology/
*RADIOIMMUNOASSAY/ SEX FACTORS/
SHEEP/ STRESS

Radioimmunoassay for methylprednisolone (Medrol).

Colburn WA, et al. Steroids 22:687-98, Nov 73

ADMINISTRATION, ORAL/ ADRENAL
GLANDS, drug effects/ ADRENAL GLANDS,
metabolism/ CATTLE/ COMPARATIVE
STUDY/ CROSS REACTIONS/
DEXAMETHASONE, pharmacodynamics/ DOGS/
EVALUATION STUDIES/ GOATS, immunology/
HUMAN/ MALE/ METHODS/
METHYLPREDNISOLONE, administration &
dosage/ *METHYLPREDNISOLONE, blood/
MICROCHEMISTRY/ OXIMES/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ SERUM
ALBUMIN, BOVINE/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TIME FACTORS/ TRITIUM

Radioimmunoassay of plasma testosterone without
chromatography: a comparison of four antisera, and
the evaluation of a novel approach to liquid
scintillation counting. Tyler JP, et al.

Steroids 22:871-89, Dec 73

AMMONIUM SULFATE/ ANTIBODY
SPECIFICITY/ COMPARATIVE STUDY/
CROSS REACTIONS/ HUMAN/
HYPOGONADISM, blood/ IMMUNE SERUMS/
MALE/ METHODS/ RADIOIMMUNOASSAY/
SERUM ALBUMIN, BOVINE/
*TESTOSTERONE, blood/ TIME FACTORS/
TRITIUM

A study of maternal urinary level of estriol related to
fetal malnutrition. Adachi T, et al.

Z Geburtshilfe Perinatol 177:295-9, Aug 73

ANENCEPHALUS/ ANTHROPOMETRY/ BIRTH
WEIGHT/ BODY HEIGHT/ CEPHALOMETRY/
COMPARATIVE STUDY/ *ESTRIOL, urine/
FEMALE/ FETAL DEATH/ GESTATIONAL
AGE/ HUMAN/ INFANT, NEWBORN/
METHODS/ PLACENTA DISORDERS,
diagnosis/ *PLACENTA DISORDERS, urine/
PREGNANCY/ PREGNANCY, PROLONGED/
PREGNANCY TOXEMIAS, urine/ SKINFOLD
THICKNESS

[A kinetic method for the determination of thyroxine
iodine (author's transl)] Arcq JC, et al.

Clin Chim Acta 48:287-9, 30 Oct 73 (Eng. Abstr.) (Fre)

CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ EVALUATION STUDIES/
HUMAN/ *IODINE, blood/ KINETICS/

METHODS/ SPECTROPHOTOMETRY/
*THYROXINE, blood/ TIME FACTORS

[On the existence of a fast-acting negative feedback
control of ACTH-corticosterone secretion (author's
transl)] Bucher B, et al.

J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)

*ADRENAL GLANDS, secretion/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
COMPARATIVE STUDY/ CORTICOSTERONE,
blood/ *CORTICOSTERONE, secretion/
CORTICOTROPIN, blood/ *CORTICOTROPIN,
secretion/ CORTICOTROPIN RELEASING
HORMONE, secretion/ ENGLISH ABSTRACT/
FEEDBACK/ MALE/ METHODS/
*PITUITARY-ADRENAL SYSTEM/
*PITUITARY GLAND, secretion/ RATS/
SECRETORY RATE

[Comparison between T3 levels in compensative
hyperplasia of the thyroid gland and in euthyroids
without iodine deficiency] Goebel R, et al.

Acta Endocrinol [Suppl] (Kbh) 57-8, 1973 (Ger)

AUSTRIA/ COMPARATIVE STUDY/ HUMAN/
IODINE RADIOISOTOPES/ METHODS/
THYROID GLAND, metabolism/ THYROID
GLAND, physiology/ *THYROID GLAND,
physiopathology/ THYROXINE, blood/
*TRIIODOTHYRONINE, blood

[Radioimmunoassay of sex steroid hormones. 5.
Radioimmunoassay of progesterone] Yoshida T, et al.

Clin Endocrinol (Tokyo) 21:979-85, Sep 73 (Jap)

CHROMATOGRAPHY/ COMPARATIVE
STUDY/ FEMALE/ HUMAN/ MALE/
METHODS/ *PROGESTERONE, analysis/
PROGESTERONE, blood/
*RADIOIMMUNOASSAY

[Radioimmunoassay of plasma cortisol] Makino T, et al.

Folia Endocrinol Jap 49:1297-305, Oct 73 (Eng. Abstr.) (Jap)

CHROMATOGRAPHY/ COMPARATIVE
STUDY/ CROSS REACTIONS/ ENGLISH
ABSTRACT/ HUMAN/ *HYDROCORTISONE,
blood/ IMMUNE SERUMS/ MALE/ METHODS/
RABBITS, immunology/
*RADIOIMMUNOASSAY/ TRITIUM

[Comparative results of gonadotropin LH
determination by way of the immunochemical and
radioimmunological methods] Hyla R, et al.

Endokrynol Pol 24:467-71, Nov-Dec 73 (Eng. Abstr.) (Pol)

COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
IMMUNOCHEMISTRY/ *LH, urine/ METHODS/
OVARIAN DISEASES, urine/
RADIOIMMUNOASSAY

DENSITOMETRY

Determination of left ventricular size and shape.

Sandler H, et al. Circ Res 40:1-8, Jan 74 (87 ref.)

ANGIOCARDIOGRAPHY/ ANIMAL
EXPERIMENTS/ COMPUTERS, DIGITAL/
DENSITOMETRY/ DOGS/
ECHOCARDIOGRAPHY/ *HEART, anatomy &
histology/ HEART, radiography/ HEART
CATHETERIZATION/ HEART VENTRICLE/
HUMAN/ INDICATOR DILUTION TECHNIQUES/
METHODS/ PLETHYSMOGRAPHY,
IMPEDANCE/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ THORAX, surgery

[Determination of progesterone in plasma by thin-layer
densitometry (author's transl)] Egg D.

J Chromatogr 88:151-7, 7 Nov 73 (Eng. Abstr.) (Ger)

CHROMATOGRAPHY, THIN LAYER/
DENSITOMETRY/ ENGLISH ABSTRACT/
FLUORESCENCE/ HUMAN/ METHODS/
MICROCHEMISTRY/ *PROGESTERONE, blood/
SPECTROMETRY, FLUORESCENCE

DENSITOMETRY, X-RAY

Stereo roentgenography in craniofacial injuries. A
revival of fundamental ideas. Rothman SL, et al.

Radiol Clin North Am 11:683-96, Dec 73

CALCINOSIS, radiography/ DENSITOMETRY,

X-RAY/ DEPTH PERCEPTION/ *FACIAL INJURIES, radiography/ FOREIGN BODIES, radiography/ FRONTAL BONE, radiography/ *HEAD INJURIES, radiography/ HUMAN/ MAXILLARY FRACTURES, radiography/ MAXILLARY SINUS, radiography/ METHODS/ ORBIT, injuries/ SKULL, radiography/ SKULL FRACTURES, radiography/ WOUNDS, GUNSHOT, radiography

DIALYSIS

Adenosine 3',5' cyclic monophosphate assay at 10-15 mole level. Cailla HL, et al.

Anal Biochem 56:394-407, Dec 73

*ADENOSINE CYCLIC 3',5'

MONOPHOSPHATE, analysis/ ADENOSINE MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE/ ANHYDRIDES, analysis/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CARBON RADIOISOTOPES/ CRABS/ DIALYSIS/ ELECTROPHORESIS/ ESCHERICHIA COLI, analysis/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS, analysis/ IODINE RADIOISOTOPES/ LIVER, analysis/ METHODS/ MORPHOLINES, analysis/ PANCREAS, analysis/ PHOSPHODIESTERASES, analysis/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SOLVENTS/ SUCCINATES

Proceedings: New dialysis technique for the continuous measurement of the concentration of vasoactive hormones. Collier JG.

Br J Pharmacol 44:383P, Feb 72

*ADENOSINE, blood/ ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ BRADYKININ, blood/ DIALYSIS/ DOGS/ METHODS/ *NOREPINEPHRINE, blood/ *OXYTOCIN, blood/ *PROSTAGLANDINS, blood/ PROTEIN BINDING/ *SEROTONIN, blood

Measurement of serum percentage free thyroxine by equilibrium dialysis and ion-exchange chromatography. Bird R, et al.

Clin Chim Acta 48:323-7, 30 Oct 73

CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DIALYSIS/ EVALUATION STUDIES/ HUMAN/ IODINE RADIOISOTOPES/ MAGNESIUM/ METHODS/ *THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

ELECTROPHORESIS

Adenosine 3',5' cyclic monophosphate assay at 10-15 mole level. Cailla HL, et al.

Anal Biochem 56:394-407, Dec 73

*ADENOSINE CYCLIC 3',5'

MONOPHOSPHATE, analysis/ ADENOSINE MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE/ ANHYDRIDES, analysis/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CARBON RADIOISOTOPES/ CRABS/ DIALYSIS/ ELECTROPHORESIS/ ESCHERICHIA COLI, analysis/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS, analysis/ IODINE RADIOISOTOPES/ LIVER, analysis/ METHODS/ MORPHOLINES, analysis/ PANCREAS, analysis/ PHOSPHODIESTERASES, analysis/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SOLVENTS/ SUCCINATES

Inhibition of glucose-induced insulin secretion in trypsin-treated islets of Langerhans. Krause U, et al.

Horm Metab Res 5:325-9, Sep 73

ANIMAL EXPERIMENTS/ CALCIUM/ CELLS, CULTURED/ CELLULOSE/ CLOSTRIDIOPOLYMERASE A/ COMPARATIVE STUDY/ ELECTROPHORESIS/ GLIBENCLAMIDE, pharmacodynamics/ *GLUCOSE, pharmacodynamics/ HUMAN/ IN VITRO/ INSULIN, metabolism/ *INSULIN,

secretion/ INSULIN ANTIBODIES/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ *ISLANDS OF LANGERHANS, secretion/ MAGNESIUM/ MALE/ METHODS/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS/ TOLBUTAMIDE, pharmacodynamics/ *TRYPSIN, pharmacodynamics

ELECTROPHORESIS, PAPER

Duck insulin: isolation, crystallization and amino acid sequence. Markussen J, et al.

Int J Pept Protein Res 5:37-48, 1973

AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHICKENS/ COMPARATIVE STUDY/ CRYSTALLIZATION/ DUCKS/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ INSULIN, analysis/ *INSULIN, isolation & purification/ METHODS

ELECTROPHORESIS,

POLYACRYLAMIDE GEL

Duck insulin: isolation, crystallization and amino acid sequence. Markussen J, et al.

Int J Pept Protein Res 5:37-48, 1973

AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHICKENS/ COMPARATIVE STUDY/ CRYSTALLIZATION/ DUCKS/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ INSULIN, analysis/ *INSULIN, isolation & purification/ METHODS

The solid-phase synthesis of human and monkey beta-melanotropins. Wang KT, et al.

Int J Pept Protein Res 5:33-6, 1973

AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ HUMAN/ METHODS/ MONKEYS/ MSH, analysis/ *MSH, chem synthesis/ MSH, isolation & purification/ PEPTIDES, pharmacodynamics

FLUORESCENCE

[Determination of progesterone in plasma by thin-layer densitometry (author's transl)] Egg D.

J Chromatogr 86:151-7, 7 Nov 73 (Eng. Abstr.) (Ger)

CHROMATOGRAPHY, THIN LAYER/ DENSITOMETRY/ ENGLISH ABSTRACT/ FLUORESCENCE/ HUMAN/ METHODS/ MICROCHEMISTRY/ *PROGESTERONE, blood/ SPECTROMETRY, FLUORESCENCE

[Topochemical demonstration of carbonyl compounds in the thymus (author's transl)] Möllmann H, et al.

Z Zellforsch Mikrosk Anat 142:465-77, 1973 (Eng. Abstr.) (Ger)

ANIMAL EXPERIMENTS/ CONNECTIVE TISSUE/ ENGLISH ABSTRACT/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ *KETOSTEROIDS, analysis/ MAST CELLS/ METHODS/ MICROSCOPY, ELECTRON/ RABBITS/ STAINS AND STAINING/ *THYMUS GLAND, analysis

FLUOROMETRY

Automated specific fluorimetric methods for epinephrine and norepinephrine assay in a single biological extract. Peyrin L, et al.

Anal Biochem 56:515-31, Dec 73

ASCORBIC ACID/ AUTOANALYSIS/ BUFFERS/ DOPA, analysis/ DOPAMINE, analysis/ *EPINEPHRINE, analysis/ EPINEPHRINE, urine/ FERRICYANIDES/ FLUOROMETRY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INDICATORS AND REAGENTS/ METHODS/ *NOREPINEPHRINE,

analysis/ NOREPINEPHRINE, urine/
OXIDATION-REDUCTION/ SODIUM
HYDROXIDE/ SPECTROMETRY,
FLUORESCENCE

Use of catechol O-methyltransferase for the enzyme
radiochemical assay of dopamine. Cuello AC, et al.
J Neurochem 21:1337-40, Nov 73
S-ADENOSYLMETHIONINE/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
*CATECHOL METHYLTRANSFERASE,
diagnostic use/ CATTLE/ CORPUS
STRIATUM, analysis/ DOPA, metabolism/
*DOPAMINE, analysis/ FLUOROMETRY/
LIVER, enzymology/ METHODS/
METHYLTYROSINES, diagnostic use/
PARGYLINE, diagnostic use/ RATS/ TRITIUM

[Determination of adrenaline in the presence of a
primary aromatic amine (an injectable solution of
procaine hydrochloride and adrenaline)] Coeur A, et
al. Ann Pharm Fr 30:801-7, Dec 72 (Eng. Abstr.) (Fre)
CHEMISTRY/ COLCRIMETRY/ ENGLISH
ABSTRACT/ *EPINEPHRINE, analysis/
FLUOROMETRY/ IODINE/ METHODS/
*PROCAINE/ SOLUTIONS

[Possibilities in the determination of plasma
catecholamines] Mäurer W, et al.
Med Welt 24:1540-2, 5 Oct 73 (Ger)
*CATECHOLAMINES, blood/ FLUOROMETRY/
HUMAN/ METHODS/ RADIOISOTOPE
DILUTION TECHNIC

GEL FILTRATION

Testosterone and dihydrotestosterone concentrations
in the fluid milieu of spermatozoa in the reproductive
tract of the bull. Ganjam VK, et al.
Acta Endocrinol (Kbh) 74:186-200, Sep 73
ANDROGENS, analysis/ ANDROGENS, blood/
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ CATTLE/ GEL FILTRATION/
MALE/ METHODS/ *SEMEN, analysis/
SPECTRUM ANALYSIS, MASS/ *STANOLONE,
analysis/ STANOLONE, blood/ *TESTIS,
analysis/ *TESTOSTERONE, analysis/
TESTOSTERONE, blood/ TRITIUM

Adenosine 3',5' cyclic monophosphate assay at 10-15
mole level. Cailla HL, et al.
Anal Biochem 58:394-407, Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ADENOSINE
MONOPHOSPHATE, analysis/ ADENOSINE
TRIPHOSPHATE/ ANHYDRIDES, analysis/
ANIMAL EXPERIMENTS/ ANTIBODY
SPECIFICITY/ CARBON RADIOISOTOPES/
CRABS/ DIALYSIS/ ELECTROPHORESIS/
ESCHERICHIA COLI, analysis/ GEL
FILTRATION/ HYDROGEN-ION
CONCENTRATION/ HYPOTHALAMUS,
analysis/ IODINE RADIOISOTOPES/ LIVER,
analysis/ METHODS/ MORPHOLINES, analysis/
PANCREAS, analysis/ PHOSPHODIESTERASES,
analysis/ PITUITARY GLAND, analysis/
RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ SOLVENTS/
SUCCINATES

An affinity column for renin. Murakami K, et al.
Biochem Biophys Res Commun 54:482-7, 18 Sep 73
ACRYLAMIDES/ ACTINOMYCETES/ ANIMAL
EXPERIMENTS/ CARBODIIMIDES/
CHROMATOGRAPHY, AFFINITY/
CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/ EVALUATION
STUDIES/ GEL FILTRATION/ ISOENZYMES,
isolation & purification/ MALE/ METHODS/
MICE/ OLIGOPEPTIDES/ PEPSIN, antagonists
& inhibitors/ *RENIN,
isolation & purification/ SUBMANDIBULAR
GLAND, enzymology/ SUCCINIMIDES/ SWINE

Radioimmunoassay of insulin in serum and plasma.
Feldman JM, et al. Clin Chem 19:1250-4, Nov 73
BINDING SITES/ COMPARATIVE STUDY/
DIABETES MELLITUS, blood/ DRUG
STABILITY/ ERYTHROCYTES, analysis/
EVALUATION STUDIES/ GEL FILTRATION/

GLUCOSE TOLERANCE TEST/ HEPARIN/
HUMAN/ *INSULIN, blood/ IODINE
RADIOISOTOPES/ METHODS/ *PLASMA,
analysis/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ SOMATOTROPIN,
blood/ TEMPERATURE/ TIME FACTORS

Duck insulin: isolation, crystallization and amino acid
sequence. Markussen J, et al.
Int J Pept Protein Res 5:37-48, 1973
AMINO ACID SEQUENCE/ *AMINO ACIDS,
analysis/ ANIMAL EXPERIMENTS/
CHICKENS/ COMPARATIVE STUDY/
CRYSTALLIZATION/ DUCKS/
ELECTROPHORESIS, PAPER/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ GEL FILTRATION/ HYDROGEN-ION
CONCENTRATION/ INSULIN, analysis/
*INSULIN, isolation & purification/ METHODS

The solid-phase synthesis of human and monkey
beta-melanotropins. Wang KT, et al.
Int J Pept Protein Res 5:33-6, 1973
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ ANIMAL EXPERIMENTS/
CHROMATOGRAPHY/ COMPARATIVE
STUDY/ CORTICOTROPIN, pharmacodynamics/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ GEL FILTRATION/ HUMAN/
METHODS/ MONKEYS/ MSH, analysis/ *MSH,
chem synthesis/ MSH, isolation & purification/
PEPTIDES, pharmacodynamics

Peripheral plasma progesterone and corticoid levels at
parturition in the sow. Killian DB, et al.
J Anim Sci 37:1371-5, Dec 73
ANIMAL EXPERIMENTS/ CIRCADIAN
RHYTHM/ FEMALE/ GEL FILTRATION/
*GLUCOCORTICIDS, blood/ *LABOR/
METHODS/ PREGNANCY/ *PROGESTERONE,
blood/ PROTEIN BINDING/ *SWINE,
physiology/ TRITIUM

Double-antibody radioimmunoassay for parathyroid
hormone. Conaway HH, et al.
J Lab Clin Med 83:129-38, Jan 74
ADOLESCENCE/ ADULT/ AGED/
ANTIGEN-ANTIBODY REACTIONS/ CATTLE/
CHILD/ FEMALE/ GEL FILTRATION/
GUINEA PIGS, immunology/ HUMAN/
HYPERPARATHYROIDISM, blood/
HYPERPARATHYROIDISM, surgery/
HYPERPARATHYROIDISM, SECONDARY,
blood/ IMMUNE SERUMS/ IODINE
RADIOISOTOPES/ KIDNEY FAILURE,
CHRONIC, complications/ MALE/ METHODS/
MIDDLE AGE/ *PARATHYROID HORMONE,
analysis/ RABBITS, immunology/
*RADIOIMMUNOASSAY

[Method for determination of testosterone and
androstenedione in the urine] Korneev GA.
Probi Endokrinol (Mosk) 19:46-50, Nov-Dec 73 (Eng.
Abstr.) (Rus)
ADULT/ *ANDROSTENEDIONE, urine/
COLORIMETRY/ ENGLISH ABSTRACT/ GEL
FILTRATION/ HUMAN/ HYDRAZINES/
HYDRAZONES/ MALE/ METHODS/ MIDDLE
AGE/ OXIDATION-REDUCTION/
*TESTOSTERONE, urine

HEMAGGLUTINATION INHIBITION TESTS

[Gonadotropin secretion and gonadotropin reserve in
hypogonadotropic hypogonadism (brief literature
survey and case report (author's transl))] Börsch G, et
al. Andrologie 5:207-13, 1973 (Eng. Abstr.) (Ger)
ADULT/ CASE REPORT/ *CLOMIPHENE,
diagnostic use/ ENGLISH ABSTRACT/
EUNUCHISM, diagnosis/ EUNUCHISM,
metabolism/ *EUNUCHISM, urine/ FRUCTOSE,
analysis/ *FSH, urine/ HEMAGGLUTINATION
INHIBITION TESTS/ HUMAN/
HYDROCORTISONE, blood/ HYDROGEN-ION
CONCENTRATION/ 17-KETOSTEROIDS,
metabolism/ *LH, urine/ MALE/ METHODS/
*SEMEN, analysis/ SPERMATOZOA/
STIMULATION, CHEMICAL/ TESTIS,

METHOD SECTION

pathology/ TESTOSTERONE, urine/
VISCOSITY

[Immunochemical determination of luteinizing hormone (LH) in the urine of healthy children (author's transl)] Laspe H, et al.
Z Kinderheilkd 115:41-8, 9 Aug 73 (Eng. Abstr.) (Ger)
ADOLESCENCE/ AGE FACTORS/ CHILD/
ENGLISH ABSTRACT/ FEMALE/
HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ IMMUNOCHEMISTRY/
IMMUNOLOGIC TECHNIQS/ *LH, urine/
MALE/ METHODS/ PUBERTY

[Determination of urinary LH and minute quantities of HCG with erythrocyte agglutination inhibition reaction] Yamada Y, et al.
Clin Endocrinol (Tokyo) 21:855-62, Aug 73 (Jap)
ADULT/ FEMALE/ *GONADOTROPINS,
CHORIONIC, urine/ *HEMAGGLUTINATION
INHIBITION TESTS/ HUMAN/ *LH, urine/
METHODS/ PREGNANCY

HISTOCYTOCHEMISTRY

The corticotroph of the rat adenohypophysis: a comparative study. Bowie EP, et al.
Am J Anat 138:499-519, Dec 73

ADRENALECTOMY/ CELL MEMBRANE/
*CORTICOTROPIN, analysis/ CYTOPLASMIC
GRANULES/ ENDOPLASMIC RETICULUM/
EPOXY RESINS/ FORMALDEHYDE/ GOLGI
APPARATUS/ HISTOCYTOCHEMISTRY/
IMMUNE SERUMS/ IMMUNOCHEMISTRY/
MALE/ METHODS/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ OSMIUM/
*PITUITARY GLAND, cytology/ RATS

Immunohistochemical localization of adrenocorticotropin and melanocyte stimulating hormone in pars intermedia of rat hypophysis. Nalk DV. Z Zellforsch Mikrosk Anat 142:289-304, 17 Sep 73
ANIMAL EXPERIMENTS/ CATTLE/
*CORTICOTROPIN, analysis/
HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNE
SERUMS/ MALE/ METHODS/ *MSH, analysis/
*PITUITARY GLAND, analysis/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ RATS/
STAINS AND STAINING/ SWINE

[Topochemical demonstration of carbonyl compounds in the thymus (author's transl)] Möllmann H, et al.
Z Zellforsch Mikrosk Anat 142:465-77, 1973 (Eng. Abstr.) (Ger)
ANIMAL EXPERIMENTS/ CONNECTIVE
TISSUE/ ENGLISH ABSTRACT/
FLUORESCENCE/ HISTOCYTOCHEMISTRY/
*KETOSTEROIDS, analysis/ MAST CELLS/
METHODS/ MICROSCOPY, ELECTRON/
RABBITS/ STAINS AND STAINING/
*THYMUS GLAND, analysis

IMMUNOASSAY

Combined test for assessment of anterior pituitary function. Harsoulis P, et al. Br Med J 4:326-9, 10 Nov 73
BLOOD SUGAR/ FSH, blood/ HUMAN/
HYDROCORTISONE, blood/ IMMUNOASSAY/
*INSULIN, diagnostic use/ LH, blood/
*LH-FSH RELEASING HORMONE, diagnostic
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GLAND, secretion/ *PITUITARY GLAND
FUNCTION TESTS/ PITUITARY NEOPLASMS,
physiopathology/ SOMATOTROPIN, blood/
STIMULATION, CHEMICAL/ THYROTROPIN,
blood/ *THYROTROPIN RELEASING
HORMONE, diagnostic use/ TIME FACTORS

IMMUNOCHEMISTRY

The corticotroph of the rat adenohypophysis: a comparative study. Bowie EP, et al.
Am J Anat 138:499-519, Dec 73

ADRENALECTOMY/ CELL MEMBRANE/
*CORTICOTROPIN, analysis/ CYTOPLASMIC
GRANULES/ ENDOPLASMIC RETICULUM/
EPOXY RESINS/ FORMALDEHYDE/ GOLGI
APPARATUS/ HISTOCYTOCHEMISTRY/
IMMUNE SERUMS/ IMMUNOCHEMISTRY/

MALE/ METHODS/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ OSMIUM/
*PITUITARY GLAND, cytology/ RATS

[Immunochemical determination of luteinizing hormone (LH) in the urine of healthy children (author's transl)] Laspe H, et al.
Z Kinderheilkd 115:41-8, 9 Aug 73 (Eng. Abstr.) (Ger)
ADOLESCENCE/ AGE FACTORS/ CHILD/
ENGLISH ABSTRACT/ FEMALE/
HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ IMMUNOCHEMISTRY/
IMMUNOLOGIC TECHNIQS/ *LH, urine/
MALE/ METHODS/ PUBERTY

[Comparative results of gonadotropin LH determination by way of the immunochemical and radioimmunological methods] Hyla R, et al.
Endokrynol Pol 24:467-71, Nov-Dec 73 (Eng. Abstr.) (Pol)

COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
IMMUNOCHEMISTRY/ *LH, urine/ METHODS/
OVARIAN DISEASES, urine/
RADIOIMMUNOASSAY

IMMUNOELECTROPHORESIS

Proceedings: Direct estimation of human and dog renin by "Rocket" immunoelectrophoresis. Winch MA, et al. J Endocrinol 59:43-4, Nov 73
ANIMAL EXPERIMENTS/ DOGS/ HUMAN/
*IMMUNOELECTROPHORESIS/ METHODS/
*RENIN, analysis

INDICATOR DILUTION TECHNIQS

Determination of left ventricular size and shape. Sandler H, et al. Circ Res 40:1-8, Jan 74 (87 ref.)
ANGIOCARDIOGRAPHY/ ANIMAL
EXPERIMENTS/ COMPUTERS, DIGITAL/
DENSITOMETRY/ DOGS/
ECHOCARDIOGRAPHY/ *HEART, anatomy &
histology/ HEART, radiography/ HEART
CATHETERIZATION/ HEART VENTRICLE/
HUMAN/ INDICATOR DILUTION TECHNIQS/
METHODS/ PLETHYSMOGRAPHY,
IMPEDANCE/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ THORAX, surgery

MICROCHEMISTRY

Computerized quantitation of drugs by gas chromatography-mass spectrometry. Baczynskyj L, et al. Anal Chem 45:479-82, Mar 73
*CHROMATOGRAPHY, GAS/ *COMPUTERS,
DIGITAL/ DEUTERIUM/ ESTERS, analysis/
METHODS/ METHYLTESTOSTERONE,
analysis/ MICROCHEMISTRY/
*PROSTAGLANDINS, analysis/ *SPECTRUM
ANALYSIS, MASS

A simplified competitive protein-binding assay for adenosine 3',5'-monophosphate in plasma. Latner AL, et al. Clin Chim Acta 48:353-7, 15 Nov 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, blood/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE, urine/
ADRENAL GLANDS/ ADULT/ CATTLE/
COMPARATIVE STUDY/ CROSS REACTIONS/
EVALUATION STUDIES/ HUMAN/ MALE/
METHODS/ MICROCHEMISTRY/ PROTEIN
BINDING/ RECEPTORS, DRUG/ TRITIUM

Radioimmunoassay for methylprednisolone (Medrol). Colburn WA, et al. Steroids 22:687-98, Nov 73
ADMINISTRATION, ORAL/ ADRENAL
GLANDS, drug effects/ ADRENAL GLANDS,
metabolism/ CATTLE/ COMPARATIVE
STUDY/ CROSS REACTIONS/
DEXAMETHASONE, pharmacodynamics/ DOGS/
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HUMAN/ MALE/ METHODS/
METHYLPREDNISOLONE, administration &
dosage/ *METHYLPREDNISOLONE, blood/
MICROCHEMISTRY/ OXIMES/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ SERUM
ALBUMIN, BOVINE/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TIME FACTORS/ TRITIUM

METHOD SECTION

[Determination of progesterone in plasma by thin-layer densitometry (author's transl)] Egg D.
J Chromatogr 86:151-7, 7 Nov 73 (Eng. Abstr.) (Ger)
 CHROMATOGRAPHY, THIN LAYER/
 DENSITOMETRY/ ENGLISH ABSTRACT/
 FLUORESCENCE/ HUMAN/ METHODS/
 MICROCHEMISTRY/ *PROGESTERONE, blood/
 SPECTROMETRY, FLUORESCENCE

NUCLEAR MAGNETIC RESONANCE

Display-oriented data system for multiple ion detection with gas chromatography-mass spectrometry in quantifying biomedically important compounds.
 Watson JT, et al. *Anal Chem* 45:2071-8, Oct 73
 *CATECHOLAMINES, analysis/
 CHROMATOGRAPHY, GAS/ COMPUTERS,
 DIGITAL/ *DATA DISPLAY/ METHODS/
 NUCLEAR MAGNETIC RESONANCE/
 *PROSTAGLANDINS, analysis/ SPECTRUM
 ANALYSIS, MASS

Methandienone-I. A convenient method for the separation of
 17alpha-methyl-17beta-hydroxyandrost-1,4-dien-3-one and
 17alpha-methyl-17beta-hydroxyandrost-1,4,6-trien-3-one. Lala AK, et al. *Steroids* 22:763-6, Dec 73
 *ANDROSTENOLS, isolation & purification/
 KETOSTEROIDS, isolation & purification/
 *METHANDROSTENOLONE, isolation &
 purification/ METHODS/ NUCLEAR
 MAGNETIC RESONANCE/ SOLVENTS/
 SPECTROPHOTOMETRY, INFRARED/
 SPECTROPHOTOMETRY, ULTRAVIOLET/
 SULFITES

PHOTOMETRY

[Determination of urinary
 3-methoxy-4-hydroxymandelic acid (vanilmandelic acid) using thin-layer chromatography separation]
 Jarsumbeck B, et al.
Z Med Labortech 14:259-68, 1973 (Eng. Abstr.) (Ger)
 CHROMATOGRAPHY, THIN LAYER/
 ENGLISH ABSTRACT/ FEMALE/ HUMAN/
 MALE/ METHODS/ NEUROBLASTOMA, urine/
 PHEOCHROMOCYTOMA, urine/
 PHOTOMETRY/ *VANILMANDELIC ACID,
 urine

PROTEIN BINDING

A comparison of three methods of measuring testosterone in plasma: competitive protein binding, radioimmunoassay without chromatography and radioimmunoassay including thin layer chromatography. Pirke KM.
Acta Endocrinol (Kbh) 74:168-76, Sep 73
 BINDING, COMPETITIVE/
 CHROMATOGRAPHY, THIN LAYER/
 COMPARATIVE STUDY/ GLOBULINS/
 HUMAN/ IMMUNE SERUMS/ MALE/
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 *TESTOSTERONE, blood/ TRITIUM

Age related changes and interrelationships between plasma testosterone, oestradiol and testosterone-binding globulin in normal adult males. Pirke KM, et al.

Acta Endocrinol (Kbh) 74:792-800, Dec 73
 ADULT/ AGE FACTORS/ AGED/
 *ESTRADIOL, blood/ HUMAN/ MALE/
 METHODS/ MIDDLE AGE/ PROTEIN
 BINDING/ RADIOIMMUNOASSAY/ *SERUM
 GLOBULINS, metabolism/ *TESTOSTERONE,
 blood

Urinary excretion of free cortisol in hypercalcaemia. Schonau Jorgensen F, et al.

Acta Endocrinol (Kbh) 74:122-6, Sep 73
 ADENOMA, urine/ ADULT/ AGED/ CALCIUM,
 blood/ CHRONIC DISEASE/ CREATININE,
 urine/ FEMALE/ HYDROCORTISONE, blood/
 *HYDROCORTISONE, urine/
 HYPERCALCEMIA, blood/ *HYPERCALCEMIA,
 urine/ HYPERPARATHYROIDISM, blood/
 HYPERPARATHYROIDISM, urine/
 HYPOPARATHYROIDISM, blood/

HYPOPARATHYROIDISM, urine/ MALE/
 METHODS/ MIDDLE AGE/ PROTEIN
 BINDING/ THYROID NEOPLASMS, urine/
 TIME FACTORS

Plasma testosterone: a simple assay without chromatography for the clinical laboratory. Patterson R, et al. *Am J Clin Pathol* 60:879-84, Dec 73
 BIOLOGICAL ASSAY/ FEMALE/ HUMAN/
 INDICATORS AND REAGENTS/ MALE/
 METHODS/ PROTEIN BINDING/ SEX
 FACTORS/ SPECTROMETRY, GAMMA/
 *TESTOSTERONE, blood/ TIME FACTORS

"Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Rosenfeld L.
Am J Clin Pathol 61:118-21, Jan 74
 BLOOD/ CHROMATOGRAPHY, ION
 EXCHANGE/ COMPARATIVE STUDY/
 HUMAN/ HYDROGEN-ION CONCENTRATION/
 HYPERTHYROIDISM, diagnosis/
 HYPOTHYROIDISM, diagnosis/ IODINE
 RADIOISOTOPES/ METHODS/ PROTEIN
 BINDING/ PROTEIN-BOUND IODINE TEST/
 SCINTILLATION COUNTERS/ THYROID
 DISEASES, diagnosis/ *THYROID GLAND
 FUNCTION TESTS/ *THYROXINE, blood/
 THYROXINE-BINDING PROTEIN/
 TRIIODOTHYRONINE, blood

Proceedings: New dialysis technique for the continuous measurement of the concentration of vasoactive hormones. Collier JG.
Br J Pharmacol 44:383P, Feb 72

*ADENOSINE, blood/ ANGIOTENSIN, blood/
 ANIMAL EXPERIMENTS/ BLOOD PROTEINS,
 metabolism/ BRADYKININ, blood/ DIALYSIS/
 DOGS/ METHODS/ *NOREPINEPHRINE,
 blood/ *OXYTOCIN, blood/
 *PROSTAGLANDINS, blood/ PROTEIN
 BINDING/ *SEROTONIN, blood

Radioimmunoassay of insulin in serum and plasma. Feldman JM, et al. *Clin Chem* 19:1250-4, Nov 73
 BINDING SITES/ COMPARATIVE STUDY/
 DIABETES MELLITUS, blood/ DRUG
 STABILITY/ ERYTHROCYTES, analysis/
 EVALUATION STUDIES/ GEL FILTRATION/
 GLUCOSE TOLERANCE TEST/ HEPARIN/
 HUMAN/ *INSULIN, blood/ IODINE
 RADIOISOTOPES/ METHODS/ *PLASMA,
 analysis/ PROTEIN BINDING/
 RADIOIMMUNOASSAY/ SOMATOTROPIN,
 blood/ TEMPERATURE/ TIME FACTORS

Serum thyroxine: results compared for a commercial radioimmunoassay and a commercial competitive protein binding analysis. Kubasik NP, et al.
Clin Chem 19:1307-8, Nov 73
 BINDING, COMPETITIVE/ COMPARATIVE
 STUDY/ EVALUATION STUDIES/ FEMALE/
 HUMAN/ HYPERTHYROIDISM, blood/
 HYPOTHYROIDISM, blood/ METHODS/
 PREGNANCY/ PROTEIN BINDING/
 RADIOIMMUNOASSAY/ *THYROXINE, blood

A simplified competitive protein-binding assay for adenosine 3',5'-monophosphate in plasma. Latner AL, et al. *Clin Chim Acta* 48:353-7, 15 Nov 73
 *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, blood/ ADENOSINE
 CYCLIC 3',5' MONOPHOSPHATE, urine/
 ADRENAL GLANDS/ ADULT/ CATTLE/
 COMPARATIVE STUDY/ CROSS REACTIONS/
 EVALUATION STUDIES/ HUMAN/ MALE/
 METHODS/ MICROCHEMISTRY/ PROTEIN
 BINDING/ RECEPTORS, DRUG/ TRITIUM

Peripheral plasma progesterone and corticoid levels at parturition in the sow. Killian DB, et al.
J Anim Sci 37:1371-5, Dec 73
 ANIMAL EXPERIMENTS/ CIRCADIAN
 RHYTHM/ FEMALE/ GEL FILTRATION/
 *GLUCOCORTICOIDS, blood/ *LABOR/
 METHODS/ PREGNANCY/ *PROGESTERONE,
 blood/ PROTEIN BINDING/ *SWINE,
 physiology/ TRITIUM

METHOD SECTION

RADIOIMMUNOASSAY

A new principle for the comparison of insulin secretory responses. I. The effect of age on insulin secretion. Johansen K. *Acta Endocrinol (Kbh)* 74:511-23, Nov 73

ADMINISTRATION, ORAL/ ADULT/ AGE FACTORS/ AGED/ *BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ *DIABETES MELLITUS, blood/ FEMALE/ GLUCOSE, administration & dosage/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ MALE/ METHODS/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ TOLBUTAMIDE, diagnostic use

A comparison of three methods of measuring testosterone in plasma: competitive protein binding, radioimmunoassay without chromatography and radioimmunoassay including thin layer chromatography. Pirke KM.

Acta Endocrinol (Kbh) 74:168-76, Sep 73

BINDING, COMPETITIVE/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ GLOBULINS/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/ TRITIUM

Age related changes and interrelationships between plasma testosterone, oestradiol and testosterone-binding globulin in normal adult males. Pirke KM, et al.

Acta Endocrinol (Kbh) 74:792-800, Dec 73

ADULT/ AGE FACTORS/ AGED/ *ESTRADIOL, blood/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *SERUM GLOBULINS, metabolism/ *TESTOSTERONE, blood

A sensitive in vitro bioassay method for luteinizing hormone (LH) activity. Van Damme MP, et al.

Acta Endocrinol (Kbh) 74:642-58, Dec 73

ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EVALUATION STUDIES/ FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, PITUITARY, pharmacodynamics/ IN VITRO/ *LH, analysis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MENOTROPINS, analysis/ METHODS/ MICE/ OXYTOCIN, pharmacodynamics/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, pharmacodynamics/ TESTIS, metabolism/ *TESTOSTERONE, metabolism/ THYROTROPIN, pharmacodynamics/ TRITIUM/ VASOPRESSIN, pharmacodynamics

Radioimmunoassay for aldosterone without chromatography. Vetter W, et al.

Acta Endocrinol (Kbh) 74:548-57, Nov 73

ADRENAL CORTEX HORMONES, urine/ *ALDOSTERONE, urine/ ANTIBODY SPECIFICITY/ *GLUCURONATES, urine/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TRITIUM

Radioimmunoassay for aldosterone without chromatography. 2. Determination of plasma aldosterone. Vetter W, et al.

Acta Endocrinol (Kbh) 74:558-67, Nov 73

*ALDOSTERONE, blood/ DEPRESSION, CHEMICAL/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, blood/ IMMUNE SERUMS/ MALE/ METHODS/ POSTURE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SODIUM, pharmacodynamics/ TRITIUM

A simple radioimmunoassay for testosterone. Lox CD, et al. *Am J Obstet Gynecol* 118:114-8, 1 Jan 74

ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ CATTLE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ GYNECOLOGIC DISEASES, blood/

HUMAN/ INDICATORS AND REAGENTS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STANOLONE, blood/ *TESTOSTERONE, blood/ TRITIUM

Adenosine 3',5' cyclic monophosphate assay at 10-15 mole level. Cailla HL, et al.

Anal Biochem 56:394-407, Dec 73

*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE MONOPHOSPHATE, analysis/ ADENOSINE TRIPHOSPHATE/ ANHYDRIDES, analysis/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CARBON RADIOISOTOPES/ CRABS/ DIALYSIS/ ELECTROPHORESIS/ ESCHERICHIA COLI, analysis/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS, analysis/ IODINE RADIOISOTOPES/ LIVER, analysis/ METHODS/ MORPHOLINES, analysis/ PANCREAS, analysis/ PHOSPHODIESTERASES, analysis/ PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SOLVENTS/ SUCCINATES

Radioimmunoassay of plasma progesterone. Cameron EH, et al. *Clin Chem* 19:1403-8, Dec 73

BINDING SITES, ANTIBODY/ BLOOD CHEMICAL ANALYSIS, standards/ COMPARATIVE STUDY/ CROSS REACTIONS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ IMMUNE SERUMS, standards/ METHODS/ OVULATION/ PREGNANCY/ PROGESTERONE, analysis/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ STERILITY, FEMALE, diagnosis/ STEROIDS/ TRITIUM

Radioimmunoassay of insulin in serum and plasma. Feldman JM, et al. *Clin Chem* 19:1250-4, Nov 73

BINDING SITES/ COMPARATIVE STUDY/ DIABETES MELLITUS, blood/ DRUG STABILITY/ ERYTHROCYTES, analysis/ EVALUATION STUDIES/ GEL FILTRATION/ GLUCOSE TOLERANCE TEST/ HEPARIN/ HUMAN/ *INSULIN, blood/ IODINE RADIOISOTOPES/ METHODS/ *PLASMA, analysis/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ TEMPERATURE/ TIME FACTORS

Plasma renin activity: a method for rapid screening by radioimmunoassay and a comparison of two commercially available kits. Goldberg SD, et al.

Clin Chem 19:1396-9, Dec 73

ADULT/ BLOOD CHEMICAL ANALYSIS, standards/ BLOOD PRESSURE/ CEREBROVASCULAR DISORDERS, enzymology/ COMPARATIVE STUDY/ CREATININE, urine/ *ENZYME TESTS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYPERTENSION, diagnosis/ HYPERTENSION, urine/ IODINE RADIOISOTOPES/ MALE/ MASS SCREENING/ METHODS/ MIDDLE AGE/ MYOCARDIAL INFARCT, enzymology/ RADIOIMMUNOASSAY/ *RENIN, blood/ RENIN, urine/ SODIUM, urine

Serum thyroxine: results compared for a commercial radioimmunoassay and a commercial competitive protein binding analysis. Kubasik NP, et al.

Clin Chem 19:1307-8, Nov 73

BINDING, COMPETITIVE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *THYROXINE, blood

Gel entrapment of antibody: a new strategy for facilitating both manual and automated radioimmunoassay. Updike SJ, et al.

Clin Chem 19:1339-44, Dec 73

ACRYLAMIDES/ *ANGIOTENSIN, analysis/ ANTIBODIES/ AUTOANALYSIS/ BINDING SITES, ANTIBODY/ CATTLE/ CHROMATOGRAPHY/ DRUG STABILITY/ EVALUATION STUDIES/ FREEZE DRYING/ GUINEA PIGS, immunology/ *HAPTENS,

METHOD SECTION

- analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *INSULIN, analysis/ INSULIN ANTIBODIES/ IODINE RADIOISOTOPES/ METHODS/ MOLECULAR WEIGHT/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ TIME FACTORS
- Radiolimmunoassay of aldosterone in plasma and urine: validation of a novel separation technique and a rapid urine assay. Jowett TP, et al.
Clin Sci Mol Med 45:607-23, Nov 73
 *ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ CHROMATOGRAPHY, PAPER/ CROSS REACTIONS/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ HYPERTENSION, urine/ METHODS/ POSTURE/ PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TIME FACTORS/ TOLUENE/ TRITIUM
- A simplified radiolimmunoassay of human gravid plasma estriol. Den K, et al.
Endocrinol Jap 20:315-22, Jun 73
 ANTIGENS/ CHROMATOGRAPHY/ *ESTRIOL, blood/ IMMUNE SERUMS/ METHODS/ *PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ TIME FACTORS
- A direct plasma testosterone radiolimmunoassay. Castro A, et al. *Experientia* 29:1447-8, 15 Nov 73
 ANDROSTANES/ ANDROSTENES/ CROSS REACTIONS/ ESTRADIOL/ ESTRONE/ FEMALE/ HUMAN/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *TESTOSTERONE, blood
- Inhibition of glucose-induced insulin secretion in trypsin-treated islets of Langerhans. Krause U, et al.
Horm Metab Res 5:325-9, Sep 73
 ANIMAL EXPERIMENTS/ CALCIUM/ CELLS, CULTURED/ CELLULOSE/ CLOSTRIDIOPOLYMERASE A/ COMPARATIVE STUDY/ ELECTROPHORESIS/ GLIBENCLAMIDE, pharmacodynamics/ *GLUCOSE, pharmacodynamics/ HUMAN/ IN VITRO/ INSULIN, metabolism/ *INSULIN, secretion/ INSULIN ANTIBODIES/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ *ISLANDS OF LANGERHANS, secretion/ MAGNESIUM/ MALE/ METHODS/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS/ TOLBUTAMIDE, pharmacodynamics/ *TRYPSIN, pharmacodynamics
- Modification of radiolimmunoassay method of human growth hormone estimation. Samuel AM, et al.
Indian J Med Res 61:98-104, Jan 73
 CHARCOAL/ DEXTRAN/ HUMAN/ IODINE RADIOISOTOPES/ METHODS/ *RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ TEMPERATURE/ TIME FACTORS
- Radiolimmunoassay of estradiol-17beta without chromatography. England BG, et al.
J Clin Endocrinol Metab 38:42-50, Jan 74
 CHROMATOGRAPHY/ *ESTRADIOL, blood/ FSH, blood/ HUMAN/ IMMUNE SERUMS/ LH, blood/ METHODS/ METHYLTYROSINES/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SUCCINATES
- Measurement of plasma LH, FSH, estradiol and progesterone in disorders of the human menstrual cycle: the short luteal phase. Sherman BM, et al.
J Clin Endocrinol Metab 38:89-93, Jan 74
 ADULT/ BODY TEMPERATURE/ ESTRADIOL, blood/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *MENSTRUATION DISORDERS, blood/ METHODS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS
- Basal levels of prolactin in goat blood measured throughout a 24-h period by a rapid double antibody-solid phase radiolimmunoassay. Hart IC.
J Dairy Res 40:235-45, Jun 73
 ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANTI-ANTIBODIES/ CASTRATION/ CATHETERIZATION/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ *GOATS, physiology/ HYPOPHYSECTOMY/ IODINE RADIOISOTOPES/ JUGULAR VEIN/ LACTATION/ MALE/ METHODS/ PERISSODACTYLA, immunology/ PITUITARY GLAND, physiology/ PREGNANCY/ *PROLACTIN, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SEX FACTORS/ SHEEP/ STRESS
- Proceedings: The radiolimmunoassay of free (diffusible) T3 and T4 concentrations in serum. Ellis SM, et al. *J Endocrinol* 59:43, Nov 73
 METHODS/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood
- Immunoradiometric and two-site assay of human follicle-stimulating hormone. Readhead C, et al.
J Endocrinol 59:313-23, Nov 73
 ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ *FSH, analysis/ FSH, blood/ HUMAN/ IODINE RADIOISOTOPES/ LH/ METHODS/ POLYETHYLENES/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ THYROTROPIN/ TIME FACTORS
- Plasma renin activity: method of measurement and significance in the diagnosis of hypertension. Figueroa JE, et al.
J La State Med Soc 125:309-14, Sep 73
 ADULT/ ANGIOTENSIN, blood/ HUMAN/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *RENIN, blood
- Double-antibody radiolimmunoassay for parathyroid hormone. Conaway HH, et al.
J Lab Clin Med 83:129-38, Jan 74
 ADOLESCENCE/ ADULT/ AGED/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ CHILD/ FEMALE/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, surgery/ HYPERPARATHYROIDISM, SECONDARY, blood/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ METHODS/ MIDDLE AGE/ *PARATHYROID HORMONE, analysis/ RABBITS, immunology/ *RADIOIMMUNOASSAY
- Proceedings: A cost reductive method for the radiolimmunoassay of steroids and prostaglandins. Hennam JF, et al. *J Reprod Fertil* 35:603-4, Dec 73
 AMMONIUM SULFATE/ *ANDROGENS, analysis/ CHARCOAL/ COSTS AND COST ANALYSIS/ DEXTRAN/ *ESTROGENS, analysis/ *HYDROCORTISONE, analysis/ METHODS/ *PROGESTATIONAL HORMONES, analysis/ *PROSTAGLANDINS, analysis/ RADIOIMMUNOASSAY
- Radiolimmunoassay method for six steroids in human plasma. Brenner PF, et al. *Steroids* 22:775-94, Dec 73
 *ANDROSTENOLS, blood/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CHARCOAL/ CHROMATOGRAPHY/ *ESTRADIOL, blood/ *ESTRONE, blood/ HAPTENS/ HUMAN/ METHODS/ PREGNENOLONE, blood/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *STEROIDS, blood/ *TESTOSTERONE, blood/ TRITIUM
- A radiolimmunoassay for deoxycorticosterone in human peripheral plasma using sephadex LH-20 chromatography. Castro A, et al.
Steroids 22:851-67, Dec 73
 AMMONIUM SULFATE/ CATTLE/

METHOD SECTION

CHROMATOGRAPHY/

*DESOXYCORTICOSTERONE, blood/ GAMMA GLOBULIN/ GELATIN/ HUMAN/ METHODS/ OXIMES, chem synthesis/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SOLVENTS/ TRITIUM

Radioimmunoassay for methylprednisolone (Medrol). Colburn WA, et al. Steroids 22:687-98, Nov 73
ADMINISTRATION, ORAL/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ CATTLE/ COMPARATIVE STUDY/ CROSS REACTIONS/ DEXAMETHASONE, pharmacodynamics/ DOGS/ EVALUATION STUDIES/ GOATS, immunology/ HUMAN/ MALE/ METHODS/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, blood/ MICROCHEMISTRY/ OXIMES/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ TRITIUM

A new approach for quantitative evaluation of cross-reactivity of steroids with an antiserum by radioimmunoassay: application to a highly specific antiestriol. Lauzon S de, et al. Steroids 22:747-61, Dec 73

ANIMAL EXPERIMENTS/ *ANTIBODY SPECIFICITY/ CROSS REACTIONS/ ESTRIOL/ *ESTRIOL, analysis/ ESTRONE/ IMMUNE SERUMS/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ TRITIUM

Radioimmunoassay of plasma testosterone without chromatography: a comparison of four antisera, and the evaluation of a novel approach to liquid scintillation counting. Tyler JP, et al. Steroids 22:871-89, Dec 73

AMMONIUM SULFATE/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ HYPOGONADISM, blood/ IMMUNE SERUMS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM

Immunohistochemical localization of adrenocorticotropin and melanocyte stimulating hormone in pars intermedia of rat hypophysis. Nalk DV. Z Zellforsch Mikrosk Anat 142:289-304, 17 Sep 73

ANIMAL EXPERIMENTS/ CATTLE/ *CORTICOTROPIN, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ *MSH, analysis/ *PITUITARY GLAND, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ STAINS AND STAINING/ SWINE

The determination of testosterone in the plasma of calves by radioimmunoassay. Pellegrini S, et al. Zentralbl Veterinärmed [A] 20:556-66, Sep 73

ANIMAL EXPERIMENTS/ *CATTLE/ MALE/ METHODS/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood

[Radioimmunological determination of testosterone in the amniotic fluid of male and female fetuses] Dörner G, et al. Endokrinologie 61:317-20, May 73 (Eng. Abstr.) (Ger)

*AMNIOTIC FLUID, analysis/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ MALE/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ SEX FACTORS/ *TESTOSTERONE, analysis

[Radioimmunological determination of insulin] Biro G, et al. Med Lab (Stuttg) 26:181-92, Aug 73 (Ger)

ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY REACTIONS/ DOGS/ HUMAN/ *INSULIN, blood/ INSULIN ANTIBODIES, analysis/ METHODS/ MICE/ RABBITS/ *RADIOIMMUNOASSAY

[The immunologically measurable excretion of insulin in the urine of non-diabetic experimental persons following the administration of a saluretic and in reduced renal function] Seybold G, et al.

Med Welt 24:1343-9, 7 Sep 73

(Ger)

ANTIBODIES, analysis/ HUMAN/ HYDROCHLOROTHIAZIDE, administration & dosage/ *INSULIN, urine/ IODINE RADIOISOTOPES/ *KIDNEY FAILURE, CHRONIC, urine/ KIDNEY TUBULES, drug effects/ METHODS/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY

[Experimental and clinical evaluation of HTSH kit, no.1] Nihel R, et al.

Clin Endocrinol (Tokyo) 21:1047-55, Oct 73 (Jap)
FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ METHODS/ PREGNANCY/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, pharmacodynamics

[Radioimmunoassay of sex steroid hormones. 5. Radioimmunoassay of progesterone] Yoshida T, et al.

Clin Endocrinol (Tokyo) 21:879-85, Sep 73 (Jap)
CHROMATOGRAPHY/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ METHODS/ *PROGESTERONE, analysis/ PROGESTERONE, blood/ *RADIOIMMUNOASSAY

[Radioimmunoassay of sex steroid hormones. 3. Radioimmunoassay of estriol] Yoshida T, et al.

Clin Endocrinol (Tokyo) 21:747-52, Jul 73 (Jap)
*ESTRIOL, blood/ FEMALE/ HUMAN/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY

[Determination of blood LH and FSH with radioimmunoassay kit and its clinical evaluation examination] Yoshimoto S, et al.

Clin Endocrinol (Tokyo) 21:753-9, Jul 73 (Jap)
ADULT/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ EVALUATION STUDIES/ FEMALE/ *FSH, blood/ HUMAN/ HYPOGONADISM, blood/ *LH, blood/ MALE/ METHODS/ PITUITARY DISEASES, blood/ *RADIOIMMUNOASSAY

[Radioimmunoassay of plasma cortisol] Makino T, et al. Folia Endocrinol Jap 49:1297-305, Oct 73 (Eng. Abstr.) (Jap)

CHROMATOGRAPHY/ COMPARATIVE STUDY/ CROSS REACTIONS/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TRITIUM

[A simplified radioimmunoassay for the measurement of plasma estriol in pregnant women (author's transl)] Makino T, et al.

Jap J Clin Pathol 21:858-62, Oct 73 (Jap)
*ESTRIOL, blood/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ RADIOIMMUNOASSAY

[Comparative results of gonadotropin LH determination by way of the immunochemical and radioimmunological methods] Hyla R, et al.

Endokrynol Pol 24:467-71, Nov-Dec 73 (Eng. Abstr.) (Pol)

COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNOCHEMISTRY/ *LH, urine/ METHODS/ OVARIAN DISEASES, urine/ RADIOIMMUNOASSAY

[Radioimmune method for determination of thyrotropic hormone in rat's blood plasma] Morozova LG, et al.

Probl Endokrinol (Mosk) 19:82-4, Nov-Dec 73 (Eng. Abstr.) (Rus)

ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ENGLISH ABSTRACT/ GUINEA PIGS/ METHODS/ *RADIOIMMUNOASSAY/ RATS/ *THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, administration & dosage

[Application of radioimmunoanalysis of angiotensin I to the determination of plasma renin activity in humans] Casado Pérez S, et al.

Rev Clin Esp 131:195-204, 15 Nov 73 (Eng. Abstr.)

METHOD SECTION

(Spa)

ADMINISTRATION, ORAL/ ADULT/
*ANGIOTENSIN, analysis/ ANGIOTENSIN,
blood/ ENGLISH ABSTRACT/ FEMALE/
FUROSEMIDE, administration & dosage/
HEMODIALYSIS/ HUMAN/ KIDNEY,
secretion/ MALE/ METHODS/
*RADIOIMMUNOASSAY/ *RENIN, blood/
STIMULATION, CHEMICAL

INSTRUMENTATION

A new radioimmunoassay method for serum
triiodothyronine using sephadex G25 column. Shimizu
T, et al. *Endocrinol Jap* 20:365-8, Aug 73
CROSS REACTIONS/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ IMMUNE
SERUMS/ IODINE RADIOISOTOPES/
METHODS/ RABBITS, immunology/
*RADIOIMMUNOASSAY, instrumentation/
*TRIIODOTHYRONINE, blood

RADIOISOTOPE DILUTION TECHNIC

Determination of left ventricular size and shape.
Sandler H, et al. *Circ Res* 40:1-8, Jan 74 (87 ref.)
ANGIOCARDIOGRAPHY/ ANIMAL
EXPERIMENTS/ COMPUTERS, DIGITAL/
DENSITOMETRY/ DOGS/
ECHOCARDIOGRAPHY/ *HEART, anatomy &
histology/ HEART, radiography/ HEART
CATHETERIZATION/ HEART VENTRICLE/
HUMAN/ INDICATOR DILUTION TECHNIQS/
METHODS/ PLETHYSMOGRAPHY,
IMPEDANCE/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ THORAX, surgery

[Possibilities in the determination of plasma
catecholamines] Mäurer W, et al.
Med Welt 24:1540-2, 5 Oct 73 (Ger)
*CATECHOLAMINES, blood/ FLUOROMETRY/
HUMAN/ METHODS/ RADIOISOTOPE
DILUTION TECHNIC

SECRETORY RATE

[On the existence of a fast-acting negative feedback
control of ACTH-corticosterone secretion (author's
transl)] Bucher B, et al.
J Physiol (Paris) 66:199-209, 1973 (Eng. Abstr.) (Fre)
*ADRENAL GLANDS, secretion/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
COMPARATIVE STUDY/ CORTICOSTERONE,
blood/ *CORTICOSTERONE, secretion/
CORTICOTROPIN, blood/ *CORTICOTROPIN,
secretion/ CORTICOTROPIN RELEASING
HORMONE, secretion/ ENGLISH ABSTRACT/
FEEDBACK/ MALE/ METHODS/
*PITUITARY-ADRENAL SYSTEM/
*PITUITARY GLAND, secretion/ RATS/
SECRETORY RATE

SPECTROMETRY, FLUORESCENCE

Automated specific fluorimetric methods for
epinephrine and norepinephrine assay in a single
biological extract. Peyrin L, et al.
Anal Biochem 56:515-31, Dec 73
ASCORBIC ACID/ AUTOANALYSIS/
BUFFERS/ DOPA, analysis/ DOPAMINE,
analysis/ *EPINEPHRINE, analysis/
EPINEPHRINE, urine/ FERRICYANIDES/
FLUOROMETRY/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INDICATORS AND
REAGENTS/ METHODS/ *NOREPINEPHRINE,
analysis/ NOREPINEPHRINE, urine/
OXIDATION-REDUCTION/ SODIUM
HYDROXIDE/ SPECTROMETRY,
FLUORESCENCE

Fluorometric measurement of urinary free
hydrocortisone (cortisol). Ratliff CR, et al.
Clin Chem 19:1400-2, Dec 73
EVALUATION STUDIES/ FEMALE/ HUMAN/
*HYDROCORTISONE, urine/ MALE/
MATHEMATICS/ METHODS/ SPECTROMETRY,
FLUORESCENCE

Simultaneous automated estimation of noradrenaline

and dopamine in brain tissue. Waldmeier P, et al.
Clin Chem 20:81-3, 1974
ANIMAL EXPERIMENTS/ AUTOANALYSIS/
BRAIN, drug effects/ BRAIN, metabolism/
*BRAIN CHEMISTRY/ COMPARATIVE
STUDY/ COSTS AND COST ANALYSIS/
*DOPAMINE, analysis/ *EPINEPHRINE,
analysis/ EVALUATION STUDIES/ FEMALE/
HYPOTHALAMUS, analysis/ METHODS/
PARGYLINE, pharmacodynamics/ RATS/
SPECTROMETRY, FLUORESCENCE/
TYRAMINE, pharmacodynamics

The effect of sugars on automated urinary oestrogens
estimations in pregnancy. Worth HG.
Clin Chim Acta 49:53-9, 23 Nov 73
AUTOANALYSIS/ BOROHYDRIDES/
COMPARATIVE STUDY/ *ESTROGENS, urine/
EVALUATION STUDIES/ FEMALE/
GALACTOSE, urine/ *GLYCOSURIA/ HUMAN/
LACTOSE, urine/ METHODS/ *PREGNANCY/
SORBITOL/ SPECTROMETRY,
FLUORESCENCE/ TIME FACTORS

[Determination of progesterone in plasma by thin-layer
densitometry (author's transl)] Egg D.
J Chromatogr 86:151-7, 7 Nov 73 (Eng. Abstr.) (Ger)
CHROMATOGRAPHY, THIN LAYER/
DENSITOMETRY/ ENGLISH ABSTRACT/
FLUORESCENCE/ HUMAN/ METHODS/
MICROCHEMISTRY/ *PROGESTERONE, blood/
SPECTROMETRY, FLUORESCENCE

SPECTROMETRY, GAMMA

Plasma testosterone: a simple assay without
chromatography for the clinical laboratory. Patterson
R, et al. *Am J Clin Pathol* 60:879-84, Dec 73
BIOLOGICAL ASSAY/ FEMALE/ HUMAN/
INDICATORS AND REAGENTS/ MALE/
METHODS/ PROTEIN BINDING/ SEX
FACTORS/ SPECTROMETRY, GAMMA/
*TESTOSTERONE, blood/ TIME FACTORS

SPECTROPHOTOMETRY

A metanephrine test for a screening of
catecholamine-producing tumors. Sato T, et al.
Tohoku J Exp Med 110:283-7, Jul 73
*CATECHOLAMINES, biosynthesis/
*EPINEPHRINE, urine/ HUMAN/ METHODS/
METHYL ETHERS, urine/
NEUROBLASTOMA, diagnosis/
NEUROBLASTOMA, metabolism/
NEUROBLASTOMA, urine/
*NORMETANEPHRINE, urine/
OXIDATION-REDUCTION/
*PHEOCHROMOCYTOMA, diagnosis/
PHEOCHROMOCYTOMA, metabolism/
PHEOCHROMOCYTOMA, urine/
SPECTROPHOTOMETRY/ VANILLIN, urine

[A kinetic method for the determination of thyroxine
iodine (author's transl)] Arcq JC, et al.
Clin Chim Acta 48:287-9, 30 Oct 73 (Eng. Abstr.) (Fre)
CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ EVALUATION STUDIES/
HUMAN/ *IODINE, blood/ KINETICS/
METHODS/ SPECTROPHOTOMETRY/
*THYROXINE, blood/ TIME FACTORS

SPECTROPHOTOMETRY, INFRARED

Methandienone-I. A convenient method for the
separation of
17alpha-methyl-17beta-hydroxyandrosta-1,4-dien-3-
one and
17alpha-methyl-17beta-hydroxyandrosta-1,4,6-trien-3-
one. Lala AK, et al. *Steroids* 22:763-6, Dec 73
*ANDROSTENOLS, isolation & purification/
KETOSTEROIDS, isolation & purification/
*METHANDROSTENOLONE, isolation &
purification/ METHODS/ NUCLEAR
MAGNETIC RESONANCE/ SOLVENTS/
SPECTROPHOTOMETRY, INFRARED/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SULFITES

SPECTROPHOTOMETRY, ULTRAVIOLET

Nitrile-terminated hydrocarbons as stationary phases for high-performance liquid chromatography of steroid hormones. Fitzpatrick FA.

Clin Chem 19:1293-5, Nov 73

ALDOSTERONE/ CHROMATOGRAPHY/
COMPARATIVE STUDY/ CORTICOSTERONE/
CORTISONE/ ESTRADIOL/ ESTRIOL/
ESTRONE/ EVALUATION STUDIES/
HYDROCARBONS/ HYDROCORTISONE/
KETOSTEROIDS/ METHODS/ *NITRILES/
PREGNENEDIONES/ PREGNENES/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*STERIODS, analysis/ STEROIDS, isolation &
purification/ TIME FACTORS

Acetonitrile-diatomaceous earth column for separation of steroids and other compounds. Graham RE, et al.

J Pharm Sci 62:1845-9, Nov 73

ALCOHOL, ETHYL/ ALKANES/ CAPSULES,
analysis/ CHLOROFORM/
CHROMATOGRAPHY, GAS/ DRUG
STABILITY/ INDICATORS AND REAGENTS/
ISONIAZID/ KINETICS/ METHODS/
*NITRILES/ OINTMENTS, analysis/
PHENYLHYDRAZINE/ *SILICA/ SOLVENTS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*STERIODS, isolation & purification/
SULFURIC ACIDS/ TABLETS, analysis

Methandienone-I. A convenient method for the separation of

17alpha-methyl-17beta-hydroxyandrost-1,4-dien-3-one and

17alpha-methyl-17beta-hydroxyandrost-1,4,6-trien-3-one. Lala AK, et al. Steroids 22:763-6, Dec 73

*ANDROSTENOLS, isolation & purification/
KETOSTEROIDS, isolation & purification/
*METHANDROSTENOLONE, isolation &
purification/ METHODS/ NUCLEAR
MAGNETIC RESONANCE/ SOLVENTS/
SPECTROPHOTOMETRY, INFRARED/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SULFITES

SPECTRUM ANALYSIS, MASS

Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Ganjam VK, et al.

Acta Endocrinol (Kbh) 74:186-200, Sep 73

ANDROGENS, analysis/ ANDROGENS, blood/
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ CATTLE/ GEL FILTRATION/
MALE/ METHODS/ *SEMEN, analysis/
SPECTRUM ANALYSIS, MASS/ *STANOLONE,
analysis/ STANOLONE, blood/ *TESTIS,
analysis/ *TESTOSTERONE, analysis/
TESTOSTERONE, blood/ TRITIUM

Computerized quantitation of drugs by gas

chromatography-mass spectrometry. Baczynskyj L, et

al. Anal Chem 45:479-82, Mar 73

*CHROMATOGRAPHY, GAS/ *COMPUTERS,
DIGITAL/ DEUTERIUM/ ESTERS, analysis/
METHODS/ METHYLTESTOSTERONE,
analysis/ MICROCHEMISTRY/
*PROSTAGLANDINS, analysis/ *SPECTRUM
ANALYSIS, MASS

On-line computer controlled multiple ion detection in combined gas chromatography-mass spectrometry.

Holland JF, et al. Anal Chem 45:308-14, Feb 73

CHROMATOGRAPHY, GAS/ FATTY ACIDS,
analysis/ METHODS/ *METHYLGLYCOSIDES,
analysis/ *ON LINE SYSTEMS/
*PROSTAGLANDINS, analysis/ SPECTRUM
ANALYSIS, MASS

Method for the measurement of prostaglandin F2alpha in biological fluids by gas chromatography-mass spectrometry. Kelly RW. Anal Chem 45:2079-82, Oct 73

ANIMAL EXPERIMENTS/ BODY FLUIDS,
analysis/ *CHROMATOGRAPHY, GAS/
HUMAN/ METHODS/ *PROSTAGLANDINS,
analysis/ PROSTAGLANDINS, blood/
PROSTAGLANDINS, urine/ SEMEN, analysis/
SHEEP/ *SPECTRUM ANALYSIS, MASS

Display-oriented data system for multiple ion detection with gas chromatography-mass spectrometry in quantifying biomedically important compounds.

Watson JT, et al. Anal Chem 45:2071-8, Oct 73

*CATECHOLAMINES, analysis/
CHROMATOGRAPHY, GAS/ COMPUTERS,
DIGITAL/ *DATA DISPLAY/ METHODS/
NUCLEAR MAGNETIC RESONANCE/
*PROSTAGLANDINS, analysis/ SPECTRUM
ANALYSIS, MASS

Evaluation of gas chromatographic-mass spectrometric and mass fragmentographic performance in steroid analysis with glass capillary columns. Maume BF, et al.

J Chromatogr Sci 11:607-10, Nov 73

CHOLESTANES, analysis/
CHROMATOGRAPHY, GAS/ *ESTROGENS,
analysis/ EVALUATION STUDIES/ METHODS/
SPECTRUM ANALYSIS, MASS

STATISTICS

A method for the computation of age-dependent reference intervals. Winkel P, et al.

Scand J Clin Lab Invest 31:481-3, Jun 73

ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ *BIOMETRY/ CIRCADIAN RHYTHM/
COMPUTERS, DIGITAL/ FEMALE/ HUMAN/
KETOSTEROIDS, urine/ MALE/ *MASS
SCREENING/ METHODS/ MIDDLE AGE/
*STATISTICS

CURRENT CATALOG SELECTIONS

These citations were selected from the Current Catalog publications of the National Library of Medicine Cumulative Listing, April-December, 1973.

ADRENAL CORTEX HORMONES

-METABOLISM

Kornel, Ludwig. On the effects and the mechanism of action of corticosteroids in normal and neoplastic target tissues; findings and hypotheses. With a review of information on intracellular steroid receptors in general. Copenhagen, Periodica, 1973. 45 p. (Acta endocrinologica. Supplementum 178) ISBN 87-7494-082-1. Bibliography: p. 36-45.

DNLM: W1 AC7981 no.178 1973
XNLM: [WK 755 K84o 1973] Cit. No. 374563

-PHYSIOLOGY

Neiro-gormonal'nye vzaimootnosheniia nadpochechnykh i polovykh zhelez. [Red. koll.: S. V. Maksimov i dr.] Kiev, Zdorov'ia, 1970. 237 p. illus. (Endokrinopatii i lechenie ikh gormonami, vyp. 5) Respublikanskii mezhvedomstvennyi sbornik. At head of title: ... Khar'kovskii nauchno-issledovatel'skii institut endokrinologii i khimii gormonov. DNLM: W1 EN396Y vyp.5 1970
XNLM: [WK 755 N415 1970] Cit. No. 371403

ADRENAL GLAND DISEASES

Diseases of the adrenal cortex. A. Stuart Mason, guest editor. London, Philadelphia, Saunders, 1972. vii, 331-598 p. illus. (Clinics in endocrinology and metabolism, v. 1, no. 2)

DNLM: W1 CL831BD v.1 no.2 1972
XNLM: [WK 760 D611 1972] Cit. No. 357430

-CONGRESSES

Journées endocrinologiques de la Pitié, Paris, 1971. Gonades et glandes surrénales. Exposés présentés ... [sous la direction de] J. Decourt [et] Gilbert-Dreyfus. Paris, L'Expansion scientifique française [1971] 344 p. illus. (Actualités endocrinologiques, 12. sér.)

DNLM: W3 JO719 12.sér. 1971
XNLM: [WK 700 J86 1971g] Cit. No. 362605

ADRENAL GLANDS

Fellet, Michel V., 1930- La cortico surrénale; Université Claude Bernard - Lyon, E. R. Alexis Carrel, 2ème année, 1er cycle. [Lyon, Association corporative des étudiants de médecine de Lyon, 1972] 37 p. illus. At head of title: Cours de physiologie.

DNLM: WK 750 P388c 1972 Cit. No. 3555

-CONGRESSES

Journées endocrinologiques de la Pitié, Paris, 1970. Gonades et glandes surrénales. Exposés présentés ... [sous la direction de] J. Decourt [et] Gilbert-Dreyfus. Paris, L'Expansion scientifique française [1971] 344 p. illus. (Actualités endocrinologiques, 12. sér.)

DNLM: W3 JO719 12.sér. 1971
XNLM: [WK 700 J86 1971g] Cit. No. 362605

ADRENAL MEDULLA

-DRUG EFFECTS

Göthert, M. Die Sekretionsleistung des Nebennierenmarks unter dem Einfluss von Narkotica und Muskelrelaxantien. Berlin, New York, Springer-Verlag, 1972. viii, 89 p. (Anaesthesiology and resuscitation, 70) ISBN 3-540-06058-8. Summary in English. Bibliography: p. [81]-89. MBCO: WO 200 A5 v.70 1972 Cit. No. 3754

ANDROGENS

-CONGRESSES

The Endocrine function of the human testis. [Proceedings of the symposia held at the University of Florence Post-Graduate School of Endocrinology, Florence, Italy] Edited by V. 1 T. James, M. Serio [and] L. Martini. New York, Academic Press, 1973- v. illus. ISBN 0-12-380101-X (v. 1) Lectures given in a short course organized by the Post-Graduate School of Endocrinology, University of Florence, and held in two parts, the first on April 25-27 and the second on October 24-26, 1972. DNLM, SUNY: WJ 875 E56 1972 Cit. No. 37337

CURRENT CATALOG

-THERAPEUTIC USE - CONGRESSES

Androgens in the anemia of bone marrow failure, edited by T. F. Necbeles. Palo Alto, Calif., Syntex Laboratories, Inc. [1973?] 74 p. Proceedings of a symposium held in conjunction with the American Society of Hematology, December 4, 1971, San Francisco.
DNLM, MBOC, SUNY: WH 175 A574 1971
Cit. No. 374433

BONE DISEASES

Calcium metabolism and bone disease. Iain MacIntyre, guest editor. London, Philadelphia, Saunders, 1972. vii, 328 p. illus., port. (Clinics in endocrinology and metabolism, v. 1, no. 1)
DNLM: W1 CL831BD v.1 no.1 1972
XNLM: [WE 200 C144 1972] Cit. No. 357421

CALCIFICATION, PHYSIOLOGIC

Zipkin, Isadore, ed. Biological mineralization. New York, Wiley [c1973] xv, 899 p. illus. ISBN 0-471-98381-0.
DNLM, SUNY: WE 200 Z79b 1973
Cit. No. 362634

-CONGRESSES

European Symposium on Calcified Tissues, 8th, Jerusalem, 1971. Calcified tissue; structural, functional and metabolic aspects. Proceedings. Edited by J. Menczel and A. Harel. New York, Academic Press [c1971] 214 p. illus.

MBOC: WE 100 E89 1971c Cit. No. 361653

Symposium on Hard Tissue Growth, Repair and Remineralization, London, 1972. Hard tissue growth, repair and remineralization. Amsterdam, New York, Associated Scientific Publishers, 1973. x, 455 p. illus. (Ciba Foundation symposium, 11) ISBN 0-444-140416-X.
DNLM: W3 C161F v.11 1972
MBOC: WE 102 S987h 1972
XNLM: [WE 102 S987 1972h] Cit. No. 364466

CALCIUM

-METABOLISM

Irving, James Tutin, 1902. Calcium and phosphorus metabolism [by] James T. Irving. With chapters by Felix Bronner [and] Gideon A. Rodan. New York, Academic Press, 1973. viii, 246 p. ISBN 0-12-374350-8. Bibliography: p. [207]-239.
DNLM, MBOC: QU 130 I72ca 1973
Cit. No. 374270

CALCIUM METABOLISM DISORDERS

Calcium metabolism and bone disease. Iain MacIntyre, guest editor. London, Philadelphia, Saunders, 1972. vii, 328 p. illus., port. (Clinics in endocrinology and metabolism, v. 1, no. 1)

DNLM: W1 CL831BD v.1 no.1 1972
XNLM: [WE 200 C144 1972] Cit. No. 357421

CALCIUM METABOLISM DISORDERS

Nordin, Borje Edgar Christopher. Metabolic bone and stone disease. Baltimore, Williams & Wilkins, 1973. viii, 309 p. illus. ISBN 0-443-00943-0.
DNLM: WE 200 N832m 1973 Cit. No. 366140

CATECHOLAMINES

-BIOSYNTHESIS

Nagatsu, Toshiharu. Biochemistry of catecholamines; the biochemical method. Baltimore, University Park Press [c1973] xx, 362 p. ISBN 0-8391-0093-0. Enlargement of an article in Japanese published in *Sekigaku*, maki 37, 1965. Bibliography: p. 307-353.

DNLM, SUNY: QV 129 N147b 1973
Cit. No. 377756

-METABOLISM

Nagatsu, Toshiharu. Biochemistry of catecholamines; the biochemical method. Baltimore, University Park Press [c1973] xx, 362 p. ISBN 0-8391-0093-0. Enlargement of an article in Japanese published in *Sekigaku*, maki 37, 1965. Bibliography: p. 307-353.

DNLM, SUNY: QV 129 N147b 1973
Cit. No. 377756

-SECRETION

Göthert, M. Die Sekretionsleistung des Nebennierenmarks unter dem Einfluss von Narkotica und Muskelrelaxantien. Berlin, New York, Springer-Verlag, 1972. viii, 89 p. (Anaesthesiology and resuscitation, 70) ISBN 3-540-06058-8. Summary in English. Bibliography: p. [81]-89.
MBOC: WO 200 A5 v.70 1972 Cit. No. 375441

CONTRACEPTIVES, ORAL

Institut national de la santé et de la recherche médicale. Contraceptifs oraux; rapport à monsieur le ministre de la santé publique et de la sécurité sociale. 2. éd. [Paris] 1972. 1 v. (various pagings) illus.
DNLM: QV 177 I59c 1972 Cit. No. 375415

Jiménez Vargas, J. Aborto y contraceptivos [por] J. Jiménez Vargas [y] G. López García. Pamplona, Ediciones Universidad de Navarra, 1973. 124 p. illus. (Colección Parerga) ISBN 84-313-0269-0.
DNLM: HQ 767 J61a 1973 Cit. No. 364546

Roland, Maxwell. Response to contraception. Philadelphia, Saunders [c1973] xiv, 162 p. illus. (Major problems in obstetrics and gynecology, v. 5) ISBN 0-7216-7640-5.

DNLM: W1 MA492V v.5 1973
XNLM: [QV 177 R744r 1973] Cit. No. 363474

-ADVERSE EFFECTS

Academia de Medicina y Cirugía de Murcia. Discursos leídos en la sesión inaugural celebrada por la Real Academia de Medicina y Cirugía de Murcia el día 20 de febrero de 1972 ... Discurso inaugural sobre "Alteraciones gingivales por los gestagenos de síntesis" por el Dr. D. Manuel Serrano Martínez ... [Murcia, 1972] 68 p. illus.
DNLM: WU 240 A166d 1972 Cit. No. 365743

CURRENT CATALOG

CONTRACEPTIVES, ORAL

-ADVERSE EFFECTS

Uterine contraction; side effects of steroidal contraceptives. Edited by John B. Josimovich. New York, Wiley [c1973] x, 385 p. illus. (Problems of human reproduction: a Wiley-Interscience series, v. 1) ISBN 0-471-45090-1. A Wiley-Interscience publication.

DNLN, SUNY: WP 400 U89 1973

Cit. No. 354244

-ADVERSE EFFECTS - COLL. WKS. .

Oral contraceptives: psychological and physiological effects; papers by David P. Rose [et al.] New York, MSS Information Corp. [c1973] 176 p. illus. ISBN 0-8422-7101-5. Reprinted from various journals.

DNLN: QV 177 O63 1973

Cit. No. 363467

Pathological effects of oral contraceptives; papers by P. S. Boffa [et al.] New York, MSS Information Corp. [c1973] 152 p. illus. ISBN 0-8422-7081-7. A collection of articles originally published in various journals.

DNLN: QV 177 P297 1973

Cit. No. 363411

-PHARMACODYNAMICS

Rozenbaum, Henri. Gestation et pseudo-gestation. [Paris, Astra Paris éditions, 1972?] 98 p. Includes reprinted material, mainly plates, from Nouvelles démonstrations d'accouchemens, by J. P. Maygrier (p. 43-96)

DNLN: WQ 200 R893g 1972

Cit. No. 361443

CORPUS LUTEUM

-ENZYMOLGY

Schmid, Joseph, of Zürich. Biochemische Forschungsergebnisse bei der Gestation und am Corpus luteum [von Joseph Schmid und Volker Unbehau] Hrsg. von A. Reist. Basel, New York, Karger, 1973. vii, 171 p. illus. (Fortschritte der Geburtshilfe und Gynakologie, v. 50) ISBN 3-8055-1592-8. Bibliography: p. 90-99, 163-171. Contents. - Schmid, J. Glukose, Laktat und Pyruvat in der Schwangerschaft und unter der Geburt. - Unbehau, V. Aminopeptidasen, Aminosäurearylamidasen und Neuraminidase als Bestandteile eines Systems kataboler Enzyme in Corpus luteum.

DNLN: W1 FO853T v.50 1973

XNLM: [WQ 240 S348b 1973]

Cit. No. 366343

CUSHING'S SYNDROME

-CONGRESSES

Congresul Național de Endocrinologie, 1st, Bucharest, 1967. Pineala: citologie, fiziologie, farmacodinamie. Sindromul lui Cushing: fiziopatologie, terapeutică. [Raportare și rezumate ale comunicărilor] București, 1967. 428 p. Sponsored by the Societatea de Endocrinologie. In Romanian, English, French, German, or Russian.

DNLN: W3 CO978H 1967p

XNLM: [WK 350 C749 1967p]

Cit. No. 365024

ENDOCRINE DISEASES

Postelnicu, D. Posibilitățile și limitele endocrinologiei. [București] Editura Academiei Republicii Socialiste România, 1973. 226 p. Added title in French: Possibilités et limites de l'endocrinologie. Summary in French.

DNLN: WK 100 P857p 1973

Cit. No. 364204

Systematic endocrinology, edited by Calvin Ezrin [et al.] Hagerstown, Md., Medical Dept., Harper & Row [c1973] xiii, 509 p. illus., port. ISBN 0-06-140798-8.

DNLN, SUNY: WK 100 S995 1973

Cit. No. 367364

-COMPLICATIONS

Ukolova, Mariia Aleksandrovna. Rol' nefro-endokrinnnykh narushenii v patogeneze opukholei laichnika; eksperimental'nye issledovaniia. Moskva, Meditsina, 1972. 247 p. Cover title: Rol' nefro-endokrinnnykh narushenii v patogeneze opukholei laichnikov.

DNLN: WP 320 U34r 1972

Cit. No. 365100

-CONGRESSES

Le Disormonosi extraghiandolari. Relatori: B. Bonati, P. Marrama [e] L. Della Casa, con la collaborazione di G. Avon [et al.] Roma, Pozzi, 1970. 152 p. (Società italiana di medicina di interna. Atti dei congressi, 71., 1970. Relazione 2) Bibliography: p. [129]-152.

DNLN: W1 SO3555 1970 n.2

XNLM: [WK 100 D612 1970]

Cit. No. 355205

Journées endocrinologiques de la Pitié, Paris, 1971. Gonades et glandes surrénales. Exposés présentés ... [sous la direction de] J. Decourt [et] Gilbert-Dreyfus. Paris, L'Expansion scientifique française [1971] 344 p. illus. (Actualités endocrinologiques, 12. sér.)

DNLN: W3 JO719 12.sér. 1971

XNLM: [WK 700 J86 1971g]

Cit. No. 362605

-DIAGNOSIS

Dillon, Richard S., 1933-. Handbook of endocrinology; diagnosis and management of endocrine and metabolic disorders. Philadelphia, Lea & Febiger, 1973. vii, 556 p. illus. ISBN 0-8121-0419-6.

DNLN, MBO, SUNY: WK 100 D579h 1973

Cit. No. 367274

-NURSING

Small, John C. Endocrinology [by] John C. Small [and] Michael J. Clarke-Williams. London, Heinemann [c1972] xii, 188 p. illus. (Modern practical nursing series, 12) ISBN 0-433-30450-2.

DNLN: WY 156 S835e 1972

Cit. No. 357606

CURRENT CATALOG

ENDOCRINE DISEASES

-PHYSIOPATHOLOGY

Kashgarian, Michael, 1933- The endocrine glands [by] Michael Kashgarian [and] Gerard N. Burrow. Baltimore, Williams & Wilkins, 1974. (Structure and function in disease monograph series) ISBN 0-683-04544-X. Cataloging in publication.
DNLM: WK 100 K19e 1974 (P) Cit. No. 364451

-THERAPY

Aber, Vladimir Iakovlevich. Organizatsiia endokrinologicheskoi sluzhby. Moskva, Meditsina, 1972. 197 p. illus. (Biblioteka vracha organizatora)
DNLM: WK 100 A143o 1972 Cit. No. 363505

ENDOCRINE GLANDS

Brierley, John. The thinking machine: genes, brain, endocrines, and human nature. London, Heinemann [1973] xii, 195 p. illus. ISBN 0-435-60134-2.
DNLM: BF 705 B853t 1973 Cit. No. 360275

-DRUG EFFECTS

Thomas, John A., 1933- Synopsis of endocrine pharmacology [by] John A. Thomas and Michael G. Mawhinney. Baltimore, University Park Press [c1973] x, 231 p. illus. ISBN 0-8391-0746-3.
DNLM: WK 102 T458s 1973 Cit. No. 367071

-DRUG EFFECTS - CONGRESSES

International Symposium on Drug Effects on Neuroendocrine Regulation, Snowmass-at-Aspen, 1972. Drug effects on neuroendocrine regulation. Edited by E. Zimmermann [et al.] Amsterdam, New York, Elsevier Scientific Pub. Co., 1973. xvii, 502 p. illus. (Progress in brain research, v. 39) ISBN 0-444-41129-1.

DNLM: W1 PR667J v.39 1973
MBCO: WL 300 P7 v.39 1973
XNLM: [WK 102 I61d 1972] Cit. No. 375513

-PHYSIOLOGY

Nalibunpi deta bukku. Endocrinology data book. [Supervisory editor: Kyoichiro Ochiai. Editors: Kelzo Shida, et al. Contributors: Kaoru Abe, et al. Tokyo, Igaku no Sekaisha] Showa 48 nen [1973] 2 v. (943 p.) illus. Special number of Horumon to rinsho, issued on 20th anniversary of its foundation.
DNLM: WK 100 N155 1973 Cit. No. 376065

Reproductive endocrinology. [Robert W. Kistner, guest editor in chief] New York, MEDCOM, c1973. 71 p. illus., ports. Prepared in cooperation with the American College of Obstetricians and Gynecologists for Wyeth Laboratories. Includes "Self-evaluation section" [4 p.] inserted in pocket at end.
DNLM: WP 520 R425 1973 Cit. No. 367316

Results in neuroanatomy, neuroendocrinology, neurophysiology and behaviour, neuropathology. Edited by K. Lissák. Budapest, Akadémiai Kiadó, 1973. 265 p. illus. (Recent developments of neurobiology in Hungary, v. 4)

MBCO: WL 100 R295 v.4 1973 Cit. No. 356114

ENDOCRINE GLANDS

-PHYSIOLOGY

Yagi, Kinji, ed. Neuroendocrine control, edited by Kinji Yagi and Sho Yoshida. New York, Wiley [c1973] xi, 394 p. illus. (A Halsted Press book) ISBN 0-470-96951-2.
DNLM: WK 102 Y12n 1973 Cit. No. 377421

-PHYSIOPATHOLOGY -

Kashgarian, Michael, 1933- The endocrine glands [by] Michael Kashgarian [and] Gerard N. Burrow. Baltimore, Williams & Wilkins, 1974. (Structure and function in disease monograph series) ISBN 0-683-04544-X. Cataloging in publication.
DNLM: WK 100 K19e 1974 (P) Cit. No. 364451

Schreiber, Vratislav. Patofysologie žláz s vnitřní sekrecí. 2., přepr. vyd. Praha, Avicenum, 1973. 291 p. illus. (Patologická fyziologie)

DNLM: WK 100 S378p 1973 Cit. No. 377351

-SURGERY

Zagrafski, Strashimir. Endokrinna khirurgiia. Sofia, Meditsina i fizkultura, 1973. 588 p. illus.
DNLM: WK 100 Z18e 1973 Cit. No. 400456

ENDOCRINOLOGY

-COLLECTED WORKS

Clinical endocrinology; articles published in the British medical journal. London, British Medical Assn., [c1973] vii, 75 p. illus.

MBCO: WK 100 C64 1973 Cit. No. 361646

-CONGRESSES

Acta Endocrinologica Congress, 9th, Oslo, 1973. Advance abstracts. Copenhagen, Periodica, 1973. xxvi, 402 p. (Acta endocrinologica. Supplementum 177) ISBN 87-7494-080-5. Cover title: Advance abstracts of papers.

DNLM: W1 AC7981 no.177 1973
XNLM: [WK 102 A185a 1973] Cit. No. 372210

Summer School for Brain Research, 7th, Amsterdam, 1971. Topics in neuroendocrinology, edited by J. Ariëns Kappers and J. P. Schadé. Amsterdam, New York, Elsevier, 1972. 356 p. illus. (Progress in brain research, v. 38) ISBN 0-444-41049-X.

DNLM: W1 PR667J v.38 1972
MBCO: WL 300 P7 v.38 1972
XNLM: [WK 102 S955t 1971] Cit. No. 355464

Western Conference on Anesthesiology, 11th, Salt Lake City, 1969. Endocrines and enzymes in anesthesiology. [Proceedings of the eleventh Biennial Western Conference on Anesthesiology] Edited by Carter M. Ballinger and Verne L. Brechner. Springfield, Ill., Thomas [c1973] xii, 240 p. illus. ISBN 0-398-02463-4.
DNLM: W3 WE52 1969e
MBCO, SUNY: WO 200 W527 1969e
XNLM: [WO 200 W527 1969e] Cit. No. 372046

CURRENT CATALOG

ENDOCRINOLOGY

-NURSING TEXTS

Lewis, Jerome Gerald. The endocrine system. [Harmondsworth, Eng.] Penguin Education [1973] 208 p. illus. (Penguin library of nursing) ISBN 0-14-081061-7. Penguin education.

DNLM: WY 156 L674e 1973 Cit. No. 375764

ENDOMETRIOSIS

Kawashima, Yoshiro. Shikyu naimakusho no rinsho. [Clinic of endometriosis] Tokyo, Kanehara [Showa 47 nen, 1972] 172 p. illus. (Shin rinsho igaku bunko, 195) Bibliography: p. 153-172.

DNLM: WP 390 K22s 1972 Cit. No. 376711

-THERAPY

Kawashima, Yoshiro. Shikyu naimakusho no rinsho. [Clinic of endometriosis] Tokyo, Kanehara [Showa 47 nen, 1972] 172 p. illus. (Shin rinsho igaku bunko, 195) Bibliography: p. 153-172.

DNLM: WP 390 K22s 1972 Cit. No. 376711

ENDOMETRIUM

-CONGRESSES

Symposium on Endometrial Cancer, St. Thomas's Hospital, London, 1971. Endometrial cancer; proceedings ... Edited by M. G. Brush, R. W. Taylor [and] D. C. Williams. London, Heinemann Medical Books [c1974] xvii, 286 p. illus. ISBN 0-433-36382-7. At head of title: Marie Curie Memorial Foundation.

DNLM: WP 460 S989e 1971 Cit. No. 371511

ESTRADIOL

-PHARMACODYNAMICS

Meyerson, Bengt J. Sexual motivation in the female rat; a methodological study applied to the investigation of the effect of estradiol benzoate, by Bengt J. Meyerson [and] Lelf H. Lindström. Uppsala, 1973. 80 p. illus. (Acta physiologica Scandinavica. Supplementum 389) DNLM: W1 AC9241 no.389 1973 XNLM: [WP 522 M613s 1973] Cit. No. 366764

ESTROGENS

-PHARMACODYNAMICS

Punnonen, Reijo. Effect of castration and peroral estrogen therapy on the skin. Turku, 1972. 44 p. illus. (Acta obstetrica et gynecologica Scandinavica. Supplement 21) DNLM: W1 AC8732 no.21 1972 XNLM: [WP 522 P984e 1972] Cit. No. 355701

-THERAPEUTIC USE

Ayerst (Firm) Rome. Il climaterio; moderni orientamenti di terapia. [Roma, 1973?] 64 p. illus. DNLM: W6 P3 Cit. No. 365711

Punnonen, Reijo. Effect of castration and peroral estrogen therapy on the skin. Turku, 1972. 44 p. illus. (Acta obstetrica et gynecologica Scandinavica. Supplement 21) DNLM: W1 AC8732 no.21 1972 XNLM: [WP 522 P984e 1972] Cit. No. 355701

ESTROGENS

-THERAPEUTIC USE - CONGRESSES

Clinical uses of the female sex hormones and early diagnosis and treatment of mammary cancer; proceedings of the second annual postgraduate course sponsored by the Wilson Research Foundation, Inc., New York City, December 15, 1971. Editors: Robert A. Wilson [and] Bradford N. Craver. Amsterdam, Princeton, 1972. 66 p. illus. (Excerpta medica. International congress series, no. 258) ISBN 90-219-0201-X.

MBCO: ZW 1 E939 no.258 1971 Cit. No. 354103

FSH

Radioimmunosorbent assay of follicle-stimulating hormone and luteinizing hormone in serum and urine from men and women [by] Lelf Wide [et al.] Uppsala, 1973. 58 p. illus. (Acta endocrinologica. Supplementum 174) ISBN 87-7494-074-0.

DNLM: W1 AC7981 no.174 1973 XNLM: [WK 515 R129 1973] Cit. No. 364462

GOITER

-DIAGNOSIS

Hamburger, Joel I. 1929- Nontoxic goiter; concept and controversy. Springfield, Ill., Thomas [c1973] x, 222 p. illus. ISBN 0-398-02723-4. DNLM: WK 200 H199n 1973 Cit. No. 374470

GOITER, EXOPHTHALMIC

-CONGRESSES

Kawaguchi Kōfuaransu, 3d, 1972. Kojosen kino koshinsho; kiso to rinsho. [Hyperthyroidism; basic and clinical studies, edited by Takashi Yamada, et al. Tokyo] Ishiyaku Shuppan [Showa 48 nen, 1973] vi, 232 p. illus. Based on the proceeding of the conference held August 17-20, 1972, at Kawaguchi, Japan. Cover title also in English: Hyperthyroidism; basic and clinical studies.

DNLM: W3 KA23 1972k XNLM: [WK 265 K22 1972k] Cit. No. 371365

Voprosy zoba i tireotoksikoza; materialy konferentsii, molabr' 1966 g. Otv. red. M. G. Malkina. Red. koll.: D. B. Kalikshein [i] M. A. Rakcheeva. Moskva, 1966. 111 p. At head of title: Moskovskif oblastnoy nauchno-issledovatel'skif klinicheskif institut im. M. F. Vladimirovskogo. Nauchnoe obshchestvo terapevtov Moskovskof oblasti. DNLM, MBCO: WK 265 V952 1966 Cit. No. 361561

GONADOTROPINS

-CONGRESSES

The Endocrine function of the human testis. [Proceedings of the symposia held at the University of Florence Post-Graduate School of Endocrinology, Florence, Italy] Edited by V. H. T. James, M. Serlo [and] L. Martini. New York, Academic Press, 1973- v. illus. ISBN 0-12-380101-X (v. 1) Lectures given in a short course organized by the Post-Graduate School of Endocrinology, University of Florence, and held in two parts, the first on April 25-27 and the second on October 24-26, 1972. DNLM, SUNY: WJ 875 E56 1972 Cit. No. 373377

CURRENT CATALOG

GONADOTROPINS

-CONGRESSES

Journées endocrinologiques de la Pitté, Paris, 1971. Gonades et glandes surrénales. Exposés présentés ... [sous la direction de] J. Decourt [et] Gilbert-Dreyfus. Paris, L'Expansion scientifique française [1971] 344 p. illus. (Actualités endocrinologiques, 12. sér.)

DNLM: W3 JO719 12.sér. 1971
XNLM: [WK 700 J86 1971g] Cit. No. 362605

-THERAPEUTIC USE - CONGRESSES

Gonadotropin therapy in female infertility; proceedings of the conference held at Worcester, Massachusetts, May 12 and 13, 1972. Editor: Eugenia Rosenberg. Amsterdam [Distributed in U. S. and Canada by American Elsevier, New York] 1973. xvii, 266 p. illus. (Excerpta medica. International congress series, no. 266) ISBN 0444-15028-5.
DNLM: W3 EX89 no. 266 1972
MBCO: ZW 1 E939 no. 266 1972
XNLM: [WP 570 G635 1972] Cit. No. 376126

GONADS

-CONGRESSES

Journées endocrinologiques de la Pitté, Paris, 1971. Gonades et glandes surrénales. Exposés présentés ... [sous la direction de] J. Decourt [et] Gilbert-Dreyfus. Paris, L'Expansion scientifique française [1971] 344 p. illus. (Actualités endocrinologiques, 12. sér.)

DNLM: W3 JO719 12.sér. 1971
XNLM: [WK 700 J86 1971g] Cit. No. 362605

GROWTH DISORDERS

-DIAGNOSIS

Bailey, Joseph A., 1935. Disproportionate short stature; diagnosis and management. Philadelphia, Saunders, 1973. xvi, 589 p. illus. ISBN 0-7216-1470-1. Bibliography: p. 563-572.

DNLM, SUNY: WE 250 B155d 1973
Cit. No. 356467

-THERAPY

Bailey, Joseph A., 1935. Disproportionate short stature; diagnosis and management. Philadelphia, Saunders, 1973. xvi, 589 p. illus. ISBN 0-7216-1470-1. Bibliography: p. 563-572.

DNLM, SUNY: WE 250 B155d 1973
Cit. No. 356467

HORMONES

Faber, Hans von. Endokrinologie; Biochemie und Physiologie der Hormone [von] Hans von Faber [und] Herbert Haid. Stuttgart, Ulmer [c1972] 158 p. illus. (Uni-Taschenbücher, 110) ISBN 3-8001-2413-0.
DNLM: WK 102 F115e 1972 Cit. No. 355540

Ito, Shinji. Shisho kaku horomon. [Hypothalamic hormone] Tokyo, Kanehara [Showa 47 nen, 1972] 107 p. illus. (Shin rinsho igaku bunko, 204)
DNLM: WL 312 I89s 1972 Cit. No. 377753

HORMONES

Kutsky, Roman J., 1922- Handbook of vitamins and hormones. New York, Van Nostrand Reinhold [1973] xii, 278 p. ISBN 0-442-24549-1.
DNLM, SUNY: QU 160 K97h 1973
Cit. No. 360011

Li, Choh Hao, ed. Hormonal proteins and peptides. New York, Academic Press, 1973. v.
DNLM: QU 55 L693h Cit. No. 373745

Luckey, Thomas D., ed. Thymic hormones. Baltimore, University Park Press [c1973] xviii, 376 p. illus. ISBN 0-8391-0705-6.
Bibliography: p. [315]-366.
DNLM, SUNY: WK 400 L941t 1973
Cit. No. 363036

Peptide hormones. Editors: Solomon A. Berson and Rosalyn S. Yalow. Amsterdam, North-Holland Pub. Co.; New York, American Elsevier Pub. Co., 1973. 2 v. (xxxii, 1298, xi p.) illus., port. (Methods in investigative and diagnostic endocrinology, v. 2) ISBN 0-7204-4110-2. Contents. - pt. 1-2. General methodology. Pituitary hormones and hypothalamic releasing factors. - pt. 3. Non-pituitary hormones.
DNLM: W1 ME9615M v.2 1973
XNLM: [WK 102 P424 1973] Cit. No. 377115

-ANALYSIS

Shizume, Kazuo, ed. Hosha men'eki sokuteiho. Radioimmunoassay [edited by Kazuo Shizume and Yuichi Kumagai, i.e. Yuichi Kumahara. Tokyo] Asakura [Showa 47 nen, 1972] 8, 352 p. illus. First published 1970.
DNLM: QY 330 S558h 1970 Cit. No. 361261

-BLOOD

Shizume, Kazuo, ed. Hosha men'eki sokuteiho. Radioimmunoassay [edited by Kazuo Shizume and Yuichi Kumagai, i.e. Yuichi Kumahara. Tokyo] Asakura [Showa 47 nen, 1972] 8, 352 p. illus. First published 1970.
DNLM: QY 330 S558h 1970 Cit. No. 361261

-CONGRESSES

International Symposium on Protein and Polypeptide Hormones, 2d, Liège, 1971. Structure-activity relationships of protein and polypeptide hormones; proceedings ... Editors: M. Margouilles [and] F. C. Greenwood. [Amsterdam] 1972. xiii, 566 p. illus. (Excerpta medica. International congress series, no. 241) ISBN 0-90-219-017-2. "Addenda and errata" (4 leaves) inserted at end.

DNLM: W3 EX89 no.241 1971
MBCO: ZW 1 E939 no.241 1971
XNLM: [QU 60 I61 1971s] Cit. No. 364060

Techniques radioimmunologiques. (Radioimmunoassay) Séminaire, Centre de recherches INSERM, Hôpital St.-Antoine, 15-19 mai 1972. [Paris, 1972] 557 p. ports. Text in English or French with summaries in either language.
DNLM, MBCO: WK 102 T255 1972
Cit. No. 377125

-JUVENILE LITERATURE

Riedman, Sarah Regal, 1902- Hormones: how they work. [Rev. ed.] New York, Abelard-Schuman [1973] 222 p. illus., ports. ISBN 0-200-00005-5. Earlier ed. has title: Our hormones and how they work.
DNLM: WK 102 R552o 1973 Cit. No. 366707

CURRENT CATALOG

HORMONES

-METABOLISM - CONGRESSES

The Endocrinology of pregnancy and parturition; experimental studies in the sheep. The proceedings of an international symposium held in Cardiff, September 1971. Edited by C. G. Pierpoint. Cardiff, Wales, Alpha Omega Alpha Pub., 1973. viii, 177 p. illus. (Tenovus library series)
DNLM: WQ 200 E56 1971 Cit. No. 362573

-PHARMACODYNAMICS

Thomas, John A., 1933- Synopsis of endocrine pharmacology [by] John A. Thomas and Michael G. Mawhinney. Baltimore, University Park Press [c1973] x, 231 p. illus. ISBN 0-8391-0746-3.
DNLM: WK 102 T458s 1973 Cit. No. 367071

-PHARMACODYNAMICS - COLLECTED WORKS

The Effects of hormones on immunity; papers by James Watson [et al.]. New York, MSS Information Corp. [c1973] 2 v. illus. ISBN 0-8422-7098-1 (v.2) A collection of articles originally published in various journals. Papers in v.2 by M. De Sousa, et al.
DNLM: QW 504 E27 1973 Cit. No. 367426

-PHYSIOLOGY

Levine, Seymour, ed. Hormones and behavior. New York, Academic Press, 1972. xiii, 363 p. illus., port. ISBN 0-12-445450-X.
DNLM, SUNY: WK 102 L665h 1972 Cit. No. 363460

-PHYSIOLOGY - CONGRESSES

Acta Endocrinologica Congress, 9th, Oslo, 1973. Advance abstracts. Copenhagen, Periodica, 1973. xxvi, 402 p. (Acta endocrinologica. Supplementum 177) ISBN 87-7494-080-5. Cover title: Advance abstracts of papers.

DNLM: W1 AC7981 no.177 1973
XNLM: [WK 102 A185a 1973] Cit. No. 372210

-THERAPEUTIC USE

De Pergola, Ello. L'impiego degli ormoni in terapia. Cassano, Bari, Edizioni del Circolo [1972] 204 p. (Problemi di medicina, 1)

DNLM: W1 PR571R n.1 1972
XNLM: [WK 190 D419i 1972] Cit. No. 365415

Jern, Helen Z., 1900- Hormone therapy of the menopause and aging; a woman-doctor, with the cooperation of her patients, focuses attention on misconceptions, indications, contraindications and methods of hormone therapy. Springfield, Ill., Thomas [c1973] xx, 172 p. illus. ISBN 0-398-02744-7.
DNLM: MBCO, SUNY: WP 580 J55h 1973 Cit. No. 373740

HORMONES, ECTOPIC

Clinical Conference on Cancer, M. D. Anderson Hospital and Tumor Institute, Houston, 16th, 1971. Endocrine and nonendocrine hormone-producing tumors; a collection of papers presented at the sixteenth annual Clinical Conference on Cancer, 1971. Chicago, Year Book Medical Publishers [c1973] vii, 430 p. illus. ISBN 0-8151-0209-7.
DNLM: W3 C162H 1971e
XNLM: [QZ 200 C639 1971e] Cit. No. 372216

HORMONES, ECTOPIC

-CONGRESSES

Le Disormonosi extraghiandolari. Relatori: B. Bonati, P. Marrama [e] L. Della Casa, con la collaborazione di G. Avon [et al.]. Roma, Pozzi, 1970. 152 p. (Società italiana di medicina di interna. Atti dei congressi, 71., 1970. Relazione 2) Bibliography: p. [129]-152.
DNLM: W1 SO3555 1970 n.2
XNLM: [WK 100 D612 1970] Cit. No. 355205

HYDROCORTISONE

-SECRETION

Copinschi, G. Etude de la sécrétion de cortisol chez l'homme. Bruxelles, Arscia, 1972. 172 p. illus. (Collection "Médico-monographies d'agregés")
DNLM: WK 755 C784e 1972 Cit. No. 366531

HYPERPARATHYROIDISM

Paloyan, Edward, 1932- Hyperparathyroidism [by] Edward Paloyan, Ann M. Lawrence [and] Francis H. Straus. New York, Grune & Stratton [1973] x, 222 p. illus. (Modern surgical monographs) ISBN 0-8089-0705-0.
DNLM, SUNY: WK 300 P181h 1973 Cit. No. 400104

-THERAPY

Nienzsch, E. Operationen an den Nieren [von] E. Nienzsch. Die Parathyreoidektomie beim Hyperparathyreoidismus (HPT) [von] W. Schmiedt. Perorale Litholyse der Harnsäuresteine [von] G. W. Heise, G. -W. Müller [und] B. Langkopf. Konservative Therapie und Prophylaxe der Zystinsteinkrankheit [von] V. Křížek. Leipzig, Thieme, 1972. 172 p. illus. (Urologische Operationslehre, Lfg. 10)
DNLM: WJ 168 U78 Lfg.10 1972 Cit. No. 364621

HYPERTHYROIDISM

Ogli, Petr Emel'ianovich. Tireotoksicheskiy kriz. [Avtory]: P. E. Ogl' [i] A. N. Liul'ka. Kiev, 1973. 167 p. illus.
DNLM: WK 265 O34t 1973 Cit. No. 376206

-CONGRESSES

Kawaguchiko Kanfuarsu, 3d, 1972. Kojosen kino koshinsho; kiso to rinsho. [Hyperthyroidism; basic and clinical studies, edited by Takashi Yamada, et al. Tokyo] Ishiyaku Shuppan [Showa 48 nen, 1973] vi, 232 p. illus. Based on the proceeding of the conference held August 17-20, 1972, at Kawaguchiko, Japan. Cover title also in English: Hyperthyroidism; basic and clinical studies.
DNLM: W3 KA23 1972k
XNLM: [WK 265 K22 1972k] Cit. No. 371365

Voprosy zoba i tireotoksikoza; materialy konferentsii, noabr' 1966 g. Otv. red. M. G. Malkina. Red. kolli.: D. B. Kalikhshtein [i] M. A. Rakcheva. Moskva, 1966. 111 p. At head of title: Moskovskiy oblastnoy nauchno-issledovatel'skif klinicheskif institut im. M. F. Vladimirovskogo. Nauchnoe obshchestvo terapevtov Moskovskof oblasti.
DNLM, MBCO: WK 265 V952 1966 Cit. No. 361561

CURRENT CATALOG

HYPERTHYROIDISM

-METABOLISM

- Gazy krovi i vodno-elektrolitnyi obmen pri zobe.
[Avtory]: M. M. Kovalev [i dr.] Kiev,
Zdorov'ia, 1973. 219 p. illus.
DNLM: WK 265 G291 1973 Cit. No. 368745

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

- Ito, Shinji. Shisho kabu hormonon.
[Hypothalamic hormone] Tokyo, Kanehara
[Showa 47 nen, 1972] 107 p. illus. (Shin
rinsho igaku bunko, 204)
DNLM: WL 312 I89s 1972 Cit. No. 377753

-PHYSIOPATHOLOGY

- Ukolova, Mariia Aleksandrovna. Rol'
nefro-endokrinnnykh narushenii v patogeneze
opukholei laichnika; eksperimental'nye
issledovaniia. Moskva, Meditsina, 1972. 247 p.
Cover title: Rol' nefro-endokrinnnykh narushenii v
patogeneze opukholei laichnikov.
DNLM: WP 320 U34r 1972 Cit. No. 365100

KLINEFELTER'S SYNDROME

- Murken, Jan-Diether. The XYY-syndrome and
Klinefelter's syndrome; investigations into
epidemiology, clinical picture, psychology,
behavior, and genetics. Stuttgart, Thieme, 1973.
viii, 86 p. illus. (Topics in human genetics, v. 2)
ISBN 3-13-224501-2.
DNLM: W1 TO539N v.2 1973
XNLM: [WJ 830 M977x 1973] Cit. No. 371036

LACTATION

- Fiziologiya plishchevarenii, krovoobrashchenii i
laktatsii sel'skokhoziaistvennykh zhivotnykh.
[Red. kolli.: N. U. Bazanova i dr.] Alma-Ata,
Nauka, 1972. 125 p. illus. (Akademiia nauk
Kazakhskoi SSR. Institut fiziologii. Trudy, t.
17)
DNLM: W1 AK683 t.17 1972
XNLM: [SF 197 F567 1972] Cit. No. 357536

LH

- Radioimmunosorbent assay of follicle-stimulating
hormone and luteinizing hormone in serum and
urine from men and women [by] Lelf Wide [et
al.] Uppsala, 1973. 58 p. illus. (Acta
endocrinologica. Supplementum 174) ISBN
87-7494-074-0.
DNLM: W1 AC7981 no.174 1973
XNLM: [WK 515 R129 1973] Cit. No. 364462

LONG-ACTING THYROID STIMULATOR

-CONGRESSES

- Kawaguchiko Kanfuaransu, 3d, 1972. Kojosen
kino koshinsho; kiso to rinsho.
[Hyperthyroidism; basic and clinical studies,
edited by Takashi Yamada, et al. Tokyo]
Ishiyaku Shuppan [Showa 48 nen, 1973] vi, 232
p. illus. Based on the proceeding of the
conference held August 17-20, 1972, at
Kawaguchiko, Japan. Cover title also in
English: Hyperthyroidism; basic and clinical
studies.
DNLM: W3 KA23 1972k
XNLM: [WK 265 K22 1972k] Cit. No. 371365

MENOPAUSE

- Jern, Helen Z., 1900-. Hormone therapy of
the menopause and aging; a woman-doctor, with
the cooperation of her patients, focuses attention
on misconceptions, indications, contraindications
and methods of hormone therapy. Springfield,
Ill., Thomas [c1973] xx, 172 p. illus. ISBN
0-398-02744-7.
DNLM; MBCO, SUNY: WP 580 J55h 1973
Cit. No. 373740

MENSTRUATION

- Arsen'eva, Mariia Georgievna.
Kol'potsitologicheskie issledovaniia v diagnostike i
terapii endokrinnnykh ginekologicheskikh
zabolevanii. Leningrad, Meditsina, 1973. 254
p. illus.
DNLM: WP 550 A781k 1973 Cit. No. 377135

MENSTRUATION DISORDERS

-DIAGNOSIS

- Arsen'eva, Mariia Georgievna.
Kol'potsitologicheskie issledovaniia v diagnostike i
terapii endokrinnnykh ginekologicheskikh
zabolevanii. Leningrad, Meditsina, 1973. 254
p. illus.
DNLM: WP 550 A781k 1973 Cit. No. 377135

-DRUG THERAPY

- Arsen'eva, Mariia Georgievna.
Kol'potsitologicheskie issledovaniia v diagnostike i
terapii endokrinnnykh ginekologicheskikh
zabolevanii. Leningrad, Meditsina, 1973. 254
p. illus.
DNLM: WP 550 A781k 1973 Cit. No. 377135

OVARIAN DISEASES

-CONGRESSES

- Journées endocrinologiques de la Pittié, Paris, 1971.
Gonades et glandes surrénales. Exposés
présentés ... [sous la direction de] J. Decourt
[et] Gilbert-Dreyfus. Paris, L'Expansion
scientifique française [1971] 344 p. illus.
(Actualités endocrinologiques, 12. sér.)

- DNLM: W3 JO719 12.sér. 1971
XNLM: [WK 700 J86 1971g] Cit. No. 362605

OVARIAN NEOPLASMS

- Janovski, N. A. Ovarian tumors; tumors and
tumor-like conditions of the ovaries, fallopian
tubes, and ligaments of the uterus, by Nikolas A.
Janovski and T. L. Paramanandhan. Stuttgart,
Thieme, 1973. 245 p. illus. ISBN
3-13-482101-X.
DNLM: WP 322 J34o 1973 Cit. No. 365312

-ETIOLOGY

- Ukolova, Mariia Aleksandrovna. Rol'
nefro-endokrinnnykh narushenii v patogeneze
opukholei laichnika; eksperimental'nye
issledovaniia. Moskva, Meditsina, 1972. 247 p.
Cover title: Rol' nefro-endokrinnnykh narushenii v
patogeneze opukholei laichnikov.
DNLM: WP 320 U34r 1972 Cit. No. 365100

CURRENT CATALOG

OVARY

-ANATOMY & HISTOLOGY

Mărza, Vasile D. *Blomorfologia corticalei ovariene la mamifere [de] V. D. Mărza și H. Arațel.* București, Editura Academiei Republicii Socialiste România, 1972. 180 p. illus. Summary in English.
DNLM: QL 881 M393b 1972 Cit. No. 364066

Mossman, Harland W. *Comparative morphology of the mammalian ovary [by] Harland W. Mossman & Kenneth L. Duke.* [Madison] Univ. of Wisconsin Press [1973] xxviii, 461 p. illus. ISBN 0-299-05930-8. Supported in part by NIH grant 5 R01 LM 00348 from the National Library of Medicine. Bibliography: p. 399-434.

DNLM, MBO: QL 881 M913c 1973
Cit. No. 354154

-GROWTH & DEVELOPMENT - ATLASES

Van Wagenen, Gertrude, 1893-. *Postnatal development of the ovary in Homo sapiens and Macaca mulatta and induction of ovulation in the macaque, by Gertrude van Wagenen and Miriam E. Simpson.* New Haven, Yale Univ. Press, 1973. 306 p. illus., plates. ISBN 0-300-01557-7. Sequel to *Embryology of the ovary and testis, Homo sapiens and macaca mulatta.* Bibliography: p. 303-306.
DNLM, MBO, SUNY: WP 17 V285p 1973
Cit. No. 366506

-GROWTH & DEVELOPMENT - CONGRESSES

Workshop Meeting on the Development and Maturation of the Reproductive Organs and Functions in the Female, Copenhagen, 1972. The development and maturation of the ovary and its functions; proceedings of the workshop, Copenhagen, Denmark, July 3-5, 1972. Edited by Hannah Peters. Amsterdam, 1973. 188 p. illus. (Excerpta medica. International congress series, no. 267) ISBN 90-219-0218-4.

DNLM: W3 EX89 no.267 1972
MBO: ZW 1 E939 no.267 1972
XNLM: [WP 320 W926d 1972] Cit. No. 366727

-PATHOLOGY

Plate, Willem Paul, 1902-. *Pathologie van het ovarium.* Leliden, Stafleu, 1973. 119 p. illus. (Nederlandse bibliotheek der geneeskunde, deel 80) ISBN 90-6016-080-0.
DNLM: W1 NE189N deel 80 1973
XNLM: [WP 320 P716p 1973] Cit. No. 372150

-PHYSIOLOGY

Kirshenblat, Iakov Davidovich. *Sravnitel'naya endokrinologiya laichnikov.* Moskva, Nauka, 1973. 174 p. illus.
DNLM: QP 261 K62s 1973 Cit. No. 357117

-PHYSIOLOGY - CONGRESSES

Workshop Meeting on the Development and Maturation of the Reproductive Organs and Functions in the Female, Copenhagen, 1972. The development and maturation of the ovary and its functions; proceedings of the workshop, Copenhagen, Denmark, July 3-5, 1972. Edited by Hannah Peters. Amsterdam, 1973. 188 p. illus. (Excerpta medica. International congress series, no. 267) ISBN 90-219-0218-4.

DNLM: W3 EX89 no.267 1972
MBO: ZW 1 E939 no.267 1972
XNLM: [WP 320 W926d 1972] Cit. No. 366727

OVULATION

Kirshenblat, Iakov Davidovich. *Sravnitel'naya endokrinologiya laichnikov.* Moskva, Nauka, 1973. 174 p. illus.
DNLM: QP 261 K62s 1973 Cit. No. 357117

Reproductive endocrinology. [Robert W. Kistner, guest editor in chief] New York, MEDCOM, c1973. 71 p. illus., ports. Prepared in cooperation with the American College of Obstetricians and Gynecologists for Wyeth Laboratories. Includes "Self-evaluation section" [4 p.] inserted in pocket at end.
DNLM: WP 520 R425 1973 Cit. No. 367316

OVUM

-CYTOLOGY - ATLASES

Suzuki, Shuetsu. *An atlas of mammalian ova.* Tokyo, Igaku Shoin, 1973. xi, 139 p. illus. Supported by Grants M67-79, M69-144 and M72-08C from the Population Council, Rockefeller University, New York, and the Ford Foundation, New York.
DNLM: QL 965 S968a 1973 Cit. No. 371623

PARATHYROID GLANDS

-PHYSIOLOGY

Pellet, Michel V., 1930-. *Glandes parathyroïdes; Université Claude Bernard - Lyon, U. E. R. Alexis-Carrel, 2ème année, 1er cycle.* [Lyon, Association corporative des étudiants en médecine de Lyon, 1972] 33 p. illus. At head of title: Cours de physiologie.

DNLM: WK 300 P388g 1972 Cit. No. 355737

-SURGERY

Nienzsch, E. *Operationen an den Nieren [von] E. Nienzsch. Die Parathyreoidektomie beim Hyperparathyreoidismus (HPT) [von] W. Schmiedt. Perorale Litholyse der Harnsäuresteine [von] G. W. Heise, G. -W. Müller (und) B. Langkopf. Konservative Therapie und Prophylaxe der Zystinsteinkrankheit [von] V. Křížek.* Leipzig, Thieme, 1972. 172 p. illus. (Urologische Operationslehre, Lfg. 10)
DNLM: WJ 168 U78 Lfg.10 1972 Cit. No. 364621

PHEOCHROMOCYTOMA

-NURSING - CONGRESSES

National Institutes of Health. Clinical Center. Nursing Dept. *Nursing care of patients with pheochromocytoma.* [Bethesda, Md., For sale by the Supt. of Docs., U. S. Govt. Print. Off., Washington, 1972] 16 p. (DHEW publication no. (NIH) 72-283) Nursing clinical conference.

DNLM: WY 156 N28nh 1972 Cit. No. 370245

PITUITARY-ADRENAL SYSTEM

Endrőczy, Elemér. *Limbic system, learning and pituitary-adrenal function.* Budapest, Akadémiai, 1972. 154 p. illus.
DNLM: WL 102 E56L 1972 Cit. No. 367401

CURRENT CATALOG

PITUITARY-ADRENAL SYSTEM

-CONGRESSES

International Symposium on Drug Effects on Neuroendocrine Regulation, Snowmass-at-Aspen, 1972. Drug effects on neuroendocrine regulation. Edited by E. Zimmermann [et al.] Amsterdam, New York, Elsevier Scientific Pub. Co., 1973. xvii, 502 p. illus. (Progress in brain research, v. 39) ISBN 0-444-41129-1.

DNLM: W1 PR667J v.39 1973
MBCO: WL 300 P7 v.39 1973
XNLM: [WK 102 I61d 1972] Cit. No. 375513

PITUITARY HORMONE RELEASING FACTORS

Ito, Shinji. Shisho kaku hormonon. [Hypothalamic hormone] Tokyo, Kanehara [Showa 47 nen, 1972] 107 p. illus. (Shin rinsho igaku hunko, 204)
DNLM: WL 312 I89s 1972 Cit. No. 377753

PITUITARY NEOPLASMS

Jenkins, John S. Pituitary tumours. London, Butterworth [c1973] vii, 206 p. illus. ISBN 0-407-35870-6.
DNLM: WK 585 J52p 1973 Cit. No. 362752

-ATLASES

Ceramić, Aleksandar. Atlas tumora centralnog nervnog sistema i hipofize. Atlas of tumors of the central nervous system and the hypophysis. [Autori]: Aleksandar Ceramić, Nikola Sekulović [i] Konstantin Brankovan. Beograd, Medicinska knjiga, 1972. xii, 256 p. illus. In Serbo-Croatian and English.
DNLM: WL 17 C411a 1972 Cit. No. 363215

PLACENTA

-METABOLISM

Sabata, Vladimír. Carbohydrate and lipid metabolism of the human fetus. Praha, Academia, 1973. 74 p. illus. (Ceskoslovenská akademie věd. Rozpravy: Rada matematických a přírodních věd, r. 83, seš. 1)
DNLM: WQ 210 S113c 1973 Cit. No. 357747

PLACENTAL EXTRACTS

-THERAPEUTIC USE

Hieda, Kentaro. An approach to the treatment of ilvercirrhosis [sic] and spontaneous gangrene. Tokyo, Igaku Shoin [1968] vii, 192 p. illus. Bibliography: p. 181-192.
DNLM: W1 725 H633a 1968 Cit. No. 372016

PROLACTIN

-PHYSIOLOGY

Horrobin, David F. Prolactin; physiology and clinical significance. [Lancaster, Eng.] MTP Medical and Technical Pub. Co. [c1973] viii, 239 p. ISBN 0-852-00065-0.
DNLM: WK 515 H816p 1973 Cit. No. 376251

PROSTAGLANDINS

Lee, James B., 1930- ed. Perspectives on the prostaglandins. [New York] Medcom Press [c1973] xvii, 98 p. illus. (Medcom medical update series)
DNLM: QU 90 L478p 1973 Cit. No. 377107

-CONGRESSES

International Conference on Prostaglandins, Vienna, 1972. International Conference on Prostaglandins, Vienna, September 25 to 28, 1972. Editor: S. Bergström. Associate editor: S. Bernhard. Oxford, New York, Pergamon Press [1973] xv, 887 p. illus., ports. (Advances in the biosciences, 9) ISBN 0-08-017291-1. Conducted and sponsored by Schering AG.

DNLM: W3 AD244 no.9 1972
XNLM: [QU 90 I61i 1972] Cit. No. 366462

Prostaglandins 1973. [Paris, Institut national de la santé et de la recherche médicale, 1973] 367 p. illus., port. At head of title: Séminaire INSERM. Text in French or English.

DNLM: QU 90 P969 1973 Cit. No. 400350

-INDEXES

Pike, John E. Prostaglandin bibliography [compiled by John E. Pike and James R. Weeks] Kalamazoo, Research Laboratories, Upjohn Co. [c1973] 1 v. (various pagings) Cover title: The prostaglandins.
DNLM: ZQU 90 P635p 1933-72 Cit. No. 357273

-PHARMACODYNAMICS

Cuthbert, M. F., ed. The prostaglandins, pharmacological and therapeutic advances. Philadelphia, Lippincott [1973] xi, 332 p. illus. ISBN 0-397-58119-X.
DNLM: QU 90 C988p 1973 Cit. No. 357524

PHYSIOLOGY - COLLECTED WORKS

Prostaglandins I: basic physiology; papers by Donald P. Wailach [et al.] New York, MSS Information Corp. [c1972] 198 p. illus. ISBN 0-8422-7047-7. Reprinted from various journals.
DNLM: QU 90 P967 1972 Cit. No. 355700

-THERAPEUTIC USE

Cuthbert, M. F., ed. The prostaglandins, pharmacological and therapeutic advances. Philadelphia, Lippincott [1973] xi, 332 p. illus. ISBN 0-397-58119-X.
DNLM: QU 90 C988p 1973 Cit. No. 357524

-THERAPEUTIC USE - CONGRESSES

The Prostaglandins; clinical applications in human reproduction. Edited by Edward M. Southern. Mount Kisco, N. Y., Futura [c1972] xiii, 545, xv-xxvii p. illus. (Symposia specialists book) ISBN 0-87993-021-7. Formal papers and selected edited discussion drawn from the Brook Lodge symposium, Augusta, Michigan, sponsored by the Upjohn Company.
DNLM: QU 90 P968 1972 Cit. No. 362620

Upjohn Prostaglandins Symposium, London, 1972. The use of prostaglandins E2 and F2 alpha in obstetrics and gynaecology. [Proceedings] R. G. Jacob, editor; R. E. Hardy, associate editor. Miami, Symposia Specialists [c1973] 106 p. illus.
DNLM: WQ 440 U67u 1972 Cit. No. 377355

CURRENT CATALOG

RECEPTORS, HORMONE

Kornel, Ludwig. On the effects and the mechanism of action of corticosteroids in normal and neoplastic target tissues; findings and hypotheses. With a review of information on intracellular steroid receptors in general. Copenhagen, Periodica, 1973. 45 p. (Acta endocrinologica. Supplementum 178) ISBN 87-7494-082-1. Bibliography: p. 36-45.

DNLM: W1 AC7981 no.178 1973
XNLM: [WK 755 K84o 1973] Cit. No. 374563

-COLLECTED WORKS

Hormone receptors in the brain; papers by Junzo Kato [et al.] New York, MSS Information Corp. [c1973] 254 p. illus. ISBN 0-8422-7078-7. A collection of articles originally published in various journals.

DNLM: WL 300 H812 1973 Cit. No. 363732

-CONGRESSES

Conference on Receptors for Reproductive Hormones, Vanderbilt University, 1972. Receptors for reproductive hormones. Edited by Bert W. O'Malley and Anthony R. Means. New York, Plenum Press, 1973. xi, 458 p. illus. (Advances in experimental medicine and biology, v. 36) ISBN 0-306-39036-1. Supported by the Center for Population Research, National Institute of Child Health and Human Development.

DNLM: W1 AD559 v.36 1972
MBCO: W 20.5 A3 v.36 1972
XNLM: [WK 900 C748r 1972] Cit. No. 363525

International Symposium on Protein and Polypeptide Hormones, 2d, Liège, 1971. Structure-activity relationships of protein and polypeptide hormones; proceedings ... Editors: M. Margoulles [and] F. C. Greenwood. [Amsterdam] 1972. xiii, 566 p. illus. (Excerpta medica. International congress series, no. 241) ISBN 0-90-219-0172-2. "Addenda and errata" (4 leaves) inserted at end.

DNLM: W3 EX89 no.241 1971
MBCO: ZW 1 E939 no.241 1971
XNLM: [QU 60 I61 1971a] Cit. No. 364060

REPRODUCTION

Austin, Colin Russell, 1914- ed. Reproduction in mammals, edited by C. R. Austin and R. V. Short. Cambridge [Eng.] University Press, 1972. 5 v. illus. ISBN 0-521-08408-3 (book 1) Contents. - book 1. Germ cells and fertilization. - book 2. Embryonic and fetal development. - book 3. Hormones in reproduction. - book 4. Reproductive patterns. - book 5. Artificial control of reproduction. DNLM, MBCO, SUNY: WQ 205 A935r 1972 Cit. No. 360671

Booolootian, Richard Andrew, 1927- Human reproduction, by Richard A. Booolootian with a contributed lecture by Roger A. Gorski. New York, Wiley, c1971. 26, 62 p. illus. 59 slides (2" x 2", color) included at end of volume. The second of a series of six lectures with 35 mm. color slides, issued by Booolootian with general title: Human biology. DNLM: QT 17 B724h no.2 1971 Cit. No. 373715

REPRODUCTION

Karolinska Symposia on Research Methods in Reproductive Endocrinology, 6th, Geneva, 1973. Protein synthesis in reproductive tissue; transactions of the sixth symposium, held in Geneva on May 21-23, 1973. Editor: E. Diczfalusy. Editorial assistant: A. Diczfalusy. Stockholm, Karolinska Institutet, 1973. 464 p. illus. Published also as Supplementum no. 180 of Acta endocrinologica. Organized by the Karolinska Institutet with the collaboration of the World Health Organization and with a grant from the Ford Foundation. MBCO: QU 55 K18 1973p Cit. No. 376057

Reproductive endocrinology. [Robert W. Kistner, guest editor in chief] New York, MEDCOM, c'1973. 71 p. illus, ports. Prepared in cooperation with the American College of Obstetricians and Gynecologists for Wyeth Laboratories. Includes "Self-evaluation section" [4 p.] inserted in pocket at end. DNLM: WP 520 R425 1973 Cit. No. 367316

-CONGRESSES

Conference on the Regulation of Mammalian Reproduction, National Institutes of Health, Bethesda, Md., 1970. The regulation of mammalian reproduction. Edited by Sheldon J. Segal [et al.] Springfield, Ill., Thomas [1973] xxiv, 586 p. illus. (Fogarty International Center proceedings, no. 8) Sponsored by the Center for Population Research, National Institute of Child Health and Human Development and the John E. Fogarty International Center for Advanced Study in the Health Sciences.

DNLM: W3 FO49 no.8 1973
XNLM: [WQ 205 C751r 1970] Cit. No. 354233

SEX HORMONES

-CONGRESSES

Conference on Receptors for Reproductive Hormones, Vanderbilt University, 1972. Receptors for reproductive hormones. Edited by Bert W. O'Malley and Anthony R. Means. New York, Plenum Press, 1973. xi, 458 p. illus. (Advances in experimental medicine and biology, v. 36) ISBN 0-306-39036-1. Supported by the Center for Population Research, National Institute of Child Health and Human Development. DNLM: W1 AD559 v.36 1972 MBCO: W 20.5 A3 v.36 1972 XNLM: [WK 900 C748r 1972] Cit. No. 363525

-METABOLISM - COLL. WKS.

Hormone receptors in the brain; papers by Junzo Kato [et al.] New York, MSS Information Corp. [c1973] 254 p. illus. ISBN 0-8422-7078-7. A collection of articles originally published in various journals. DNLM: WL 300 H812 1973 Cit. No. 363732

-PHYSIOLOGY

Neiro-gormonal'nye vzaimootnosheniia nadpochechnykh i polovykh zhelez. [Red. koll.: S. V. Maksimov i dr.] Kiev, Zdorov'ia, 1970. 237 p. illus. (Endokrinopatii i lechenie lkh gormonami, vyp. 5) Respublikanskii mezhdvostvennyi sbornik. At head of title: ... Khar'kovskii nauchno-issledovatel'skii institut endokrinologii i khimii gormonov. DNLM: W1 EN396Y vyp.5 1970 XNLM: [WK 755 N415 1970] Cit. No. 371403

CURRENT CATALOG

SEX HORMONES

Vunder, Pavel Abramovich. Endokrinologiya pola i razmnozhenia. Moskva, Meditsina, 1973. 214 p. illus.
DNLM: WQ 205 V993e 1973 Cit. No. 377130

SOMATOTROPIN

-PHARMACODYNAMICS

The Mechanism of the diabetogenic effects of pituitary growth hormone [by] J. Bornstein [et al.] Oxford, Fellowship of Postgraduate Medicine, 1973. 24 p. illus. (Postgraduate medical journal, v. 49, suppl., Mar. 1973)

DNLM: W1 P0957H v.49 Suppl. Mar. 1973
XNLM: [WK 515 M486 1973] Cit. No. 362837

STERILITY

Fujio, Taro. Funin to hinin. [Sterility and contraception, by Taro Fujio and Hideo Matsuzaki] Tokyo, Kanehara [Showa 48 nen, 1973] 2, 5, 211 p. illus. (Shin rinsho igaku bunko, 215)
DNLM: WP 570 F961f 1973 Cit. No. 371354

Speroff, Leon, 1935-. Clinical gynecologic endocrinology and infertility, by Leon Speroff, Robert H. Glass [and] Nathan G. Kase. Baltimore, Williams & Wilkins [c1973] viii, 266 p. illus. ISBN 0-683-07891-7.
DNLM, SUNY: WP 505 S749c 1973
Cit. No. 400140

STERILITY, FEMALE

-DRUG THERAPY - CONGRESSES

Gonadotropin therapy in female infertility; proceedings of the conference held at Worcester, Massachusetts, May 12 and 13, 1972. Editor: Eugenia Rosemberg. Amsterdam [Distributed in U. S. and Canada by American Elsevier, New York] 1973. xvii, 266 p. illus. (Excerpta medica. International congress series, no. 266) ISBN 0444-15028-5.
DNLM: W3 EX89 no. 266 1972
MBCO: ZW 1 E939 no. 266 1972
XNLM: [WP 570 G635 1972] Cit. No. 376126

TESTICULAR DISEASES

-CONGRESSES

Journées endocrinologiques de la Pitié, Paris, 1971. Gonades et glandes surrénales. Exposés présentés ... [sous la direction de] J. Decourt [et] Gilbert-Dreyfus. Paris, L'Expansion scientifique française [1971] 344 p. illus. (Actualités endocrinologiques, 12. sér.)

DNLM: W3 J0719 12.sér. 1971
XNLM: [WK 700 J86 1971g] Cit. No. 362605

TESTIS

-PHYSIOLOGY - CONGRESSES

The Endocrine function of the human testis. [Proceedings of the symposia held at the University of Florence Post-Graduate School of Endocrinology, Florence, Italy] Edited by V. H. T. James, M. Serio [and] L. Martini. New York, Academic Press, 1973. v. illus. ISBN 0-12-380101-X (v. 1) Lectures given in a short course organized by the Post-Graduate School of Endocrinology, University of Florence, and held in two parts, the first on April 25-27 and the second on October 24-26, 1972.
DNLM, SUNY: WJ 875 E56 1972 Cit. No. 373377

TESTOSTERONE

-CONGRESSES

The Endocrine function of the human testis. [Proceedings of the symposia held at the University of Florence Post-Graduate School of Endocrinology, Florence, Italy] Edited by V. H. T. James, M. Serio [and] L. Martini. New York, Academic Press, 1973. v. illus. ISBN 0-12-380101-X (v. 1) Lectures given in a short course organized by the Post-Graduate School of Endocrinology, University of Florence, and held in two parts, the first on April 25-27 and the second on October 24-26, 1972.
DNLM, SUNY: WJ 875 E56 1972 Cit. No. 373377

THYROID DISEASES

Benítez, Rolando. Aspectos clínicos de la glándula tiroidea. Maracaibo, Univ. del Zulia, Facultad de Medicina [1972] 284 p. illus.

DNLM: WK 200 B467a 1972 Cit. No. 355034

-DIAGNOSIS

Brucer, Marshall, 1913-. Thyroid radiiodine clinical testing; the development of the clinical radiiodine tests for thyroid diseases and a manual of acceptable routine laboratory tests. 2d ed. St. Louis, Mallinckrodt Chemical Works [c1973] 120 p. illus.
DNLM: W6 P3 Cit. No. 375572

Hamburger, Joel I., 1929-. Nontoxic goiter; concept and controversy. Springfield, Ill., Thomas [c1973] x, 222 p. illus. ISBN 0-398-02723-4.
DNLM: WK 200 H199n 1973 Cit. No. 374470

Selenkow, Herbert A., 1923-. The normal and abnormal thyroid; an approach to diagnosis and therapy. [New York] MEDCOM Press [c1973] xiii, 85 p. illus. (MEDCOM medical update series)
DNLM, MBCO: WK 200 S464n 1973
Cit. No. 356422

-FAMILIAL & GENETIC - CONGRESSES

Congresul Național de Endocrinologie, 2d, Bucharest, 1972. Al II-lea Congres Național de Endocrinologie. Cu teme: Tireopatiile genetice. Disgenezii gonadaie. Rapoarte, comunicări (rezumate). București, 1972. 129 p. At head of title: Uniunea Societăților de Științe Medicale din Republica Socialistă România. Societatea de Endocrinologie. Academia de Științe Medicale. Institutul de Endocrinologie "C. I. Parhon". In Romanian and English or French.
DNLM: W3 C0978H 1972a
XNLM: [WK 200 C752 1972a] Cit. No. 364151

-THERAPY

Selenkow, Herbert A., 1923-. The normal and abnormal thyroid; an approach to diagnosis and therapy. [New York] MEDCOM Press [c1973] xiii, 85 p. illus. (MEDCOM medical update series)
DNLM, MBCO: WK 200 S464n 1973
Cit. No. 356422

THYROID GLAND

-PHYSIOLOGY

Iodine metabolism and thyroid function, edited by Keimei Mashimo and Hoji Suzuki. Sapporo, Japan, Hokkaido Univ., School of Medicine, 1973. 244 p. illus. (Hokkaido University medical library series, v. 6)
DNLM, MBCO, SUNY: WK 202 I64 1973
Cit. No. 363540

CURRENT CATALOG

THYROID GLAND FUNCTION TESTS

-LABORATORY MANUALS

- Woodward, Stephen C., 1935- The determinations of T-3 and T-4 (T-3 and T-4 tests of thyroid function) [by] Stephen C. Woodward, John R. Hansell [and] Nellie May Bering. Chicago, American Society of Clinical Pathologists, Commission on Continuing Education [c1973] 39 leaves.
DNLM: WK 25 W912d 1973 Cit. No. 364123

THYROID HORMONES

-PHYSIOLOGY

- Iodine metabolism and thyroid function, edited by Keimei Mashimo and Hoji Suzuki. Sapporo, Japan, Hokkaido Univ., School of Medicine, 1973. 244 p. illus. (Hokkaido University medical library series, v. 6)
DNLM, MBCO, SUNY: WK 202 I64 1973 Cit. No. 363540

THYROID NEOPLASMS

- Hamburger, Joel I., 1929- Nontoxic goiter; concept and controversy. Springfield, Ill., Thomas [c1973] x, 222 p. illus. ISBN 0-398-02723-4.
DNLM: WK 200 H199n 1973 Cit. No. 374470

- Rokhlin, Dmitrii Gerasimovich. Ionizirulushchee izluchenie v diagnostike i lechenii raka shchitovidnoi zhelezy. [Avtory]: D. G. Rokhlin [i] V. P. Zadvornova. Leningrad, Meditsina, 1972. 194 p. illus.
DNLM: WK 270 R742i 1972 Cit. No. 357600

-PATHOLOGY

- Akisada, Masayoshi. Soft tissue roentgenography in diagnosis of thyroid cancer; detection of psammoma bodies by spot-tangential projection, by Masayoshi Akisada and Yoshihide Fujimoto. Tokyo, Igaku Shoin, 1973. ix, 133 p. illus.
DNLM: WK 270 A315s 1973 Cit. No. 371705

-RADIOGRAPHY

- Akisada, Masayoshi. Soft tissue roentgenography in diagnosis of thyroid cancer; detection of psammoma bodies by spot-tangential projection, by Masayoshi Akisada and Yoshihide Fujimoto. Tokyo, Igaku Shoin, 1973. ix, 133 p. illus.
DNLM: WK 270 A315s 1973 Cit. No. 371705

THYROTROPIN

-PHYSIOLOGY - CONGRESSES

- Kawaguchiko Kanfuaransu, 3d, 1972. Kojosen kino koshinsho; kiso to rinsho. [Hyperthyroidism; basic and clinical studies, edited by Takashi Yamada, et al. Tokyo] Ishiyaku Shuppan [Showa 48 nen, 1973] vi, 232 p. illus. Based on the proceeding of the conference held August 17-20, 1972, at Kawaguchiko, Japan. Cover title also in English: Hyperthyroidism; basic and clinical studies.
DNLM: W3 KA23 1972k
XNLM: [WK 265 K22 1972k] Cit. No. 371365

THYROXINE

-DIAGNOSTIC USE

- Woodward, Stephen C., 1935- The determinations of T-3 and T-4 (T-3 and T-4 tests of thyroid function) [by] Stephen C. Woodward, John R. Hansell [and] Nellie May Bering. Chicago, American Society of Clinical Pathologists, Commission on Continuing Education [c1973] 39 leaves.
DNLM: WK 25 W912d 1973 Cit. No. 364123

TURNER'S SYNDROME

-CONGRESSES

- Congresul Național de Endocrinologie, 2d, Bucharest, 1972. Al II-lea Congres Național de Endocrinologie. Cu teme: Tireopatii genetice. Disgenezii gonadale. Rapoarte, comunicări (rezumate). București, 1972. 129 p. At head of title: Uniunea Societăților de Științe Medicale din Republica Socialistă România. Societatea de Endocrinologie. Academia de Științe Medicale. Institutul de Endocrinologie "C. I. Parhon". In Romanian and English or French.
DNLM: W3 C0978H 1972a
XNLM: [WK 200 C752 1972a] Cit. No. 364151

TECHNICAL REPORTS

CATECHOLAMINES

- Stockholm Univ. (Sweden) Psychological Labs. Sex differences in the catecholamine output of children; report, July 1971. Gunn Johansson. Stockholm, 1971. 5 p. Microfiche.
TRL SU-PL- R-326 1971 Cit. No. 357352

PROSTAGLANDINS

-THERAPEUTIC USE

- University of Oklahoma Foundation, Inc., Oklahoma City. Medical Center Research and Development Office. Prostaglandins: their pathophysiological roles and therapeutic applications; technical report, no. 66, 28 February 1973. Jiro Nakano. Oklahoma City, 1973. 34 leaves. illus. (University of Oklahoma Health Sciences Center ONR contract)
TRL N00014- 68-A- 0496 1973 Cit. No. 361462

SEROTONIN

-ANALYSIS

- Montefiore Hospital, Bronx, N. Y. Endocrine Research Lab. Effects of cold and hypoxic stress on protein metabolism, brain serotonin concentration and various parameters of thyroid function; annual report, 1 May 1971 - 31 May 1972. Martin I. Surks. Bronx, 1972. 28 p. Microfiche.
TRL DA49- 193-MD- 2967 1972 Cit. No. 356256

AUTHOR SECTION

A

1. Aaronson CM, Park CH: Sporotrichoid infection due to *Mycobacterium marinum*: lesion exacerbated by corticosteroid infiltration.
South Med J 67:117-8, Jan 74
*ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ HUMAN/ MALE/ MYCOBACTERIUM INFECTIONS, chemically induced/ *MYCOBACTERIUM INFECTIONS, complications/ SKIN DISEASES, INFECTIOUS, chemically induced/ SKIN DISEASES, INFECTIOUS, drug therapy/ *SKIN DISEASES, INFECTIOUS, etiology
2. Abbott M: Proceedings: Pregnancy in the infant rabbit.
J Reprod Fertil 35:620-1, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *OVUM, transplantation/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROGESTERONE, pharmacodynamics/ RABBITS/ TRANSPLANTATION, HOMOLOGOUS
3. Abdalla MI, el-D Bahgat N: Long-lasting remission of Behcet's disease after chlorambucil therapy.
Br J Ophthalmol 57:706-11, Sep 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ARTHRITIS, drug therapy/ *BEHCET'S SYNDROME, drug therapy/ CHLORAMBUCIL, adverse effects/ *CHLORAMBUCIL, therapeutic use/ ERYTHEMA NODOSUM, drug therapy/ FEMALE/ HUMAN/ IRIDOCYCLITIS, drug therapy/ MALE/ NEUROLOGIC MANIFESTATIONS/ ORCHITIS, drug therapy/ REMISSION/ RETINITIS, drug therapy/ SPLENIC DISEASES, drug therapy/ THROMBOPHLEBITIS, drug therapy/ TIME FACTORS/ ULCER, drug therapy/ UVEITIS, drug therapy/ VASCULAR DISEASES, drug therapy
4. Abdel-Wahab MF, Megahed YM: Thyroxine content in the thyroid gland of domestic animals. VI. Iodine binding in thyroid gland tissue using radioautography.
Endokrinologie 61:195-200, May 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BINDING SITES/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ MALE/ RATS/ *THYROID GLAND, metabolism/ *THYROXINE, metabolism/ TIME FACTORS
5. Abdi SH, Wahidul H: Effect of testosterone on the histological structure of the testis of adult albino rats.
Indian J Med Res 61:1207-11, Aug 73
ANIMAL EXPERIMENTS/ LEYDIG CELLS, drug effects/ MALE/ RATS/ SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TESTIS, pathology/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS
6. Abe T, Matsuura T, Fukui S, et al: [Development of hypothyroidism following administration of a small dose of ¹³¹I for hyperthyroidism]
Clin Endocrinol (Tokyo) 21:965-7, Sep 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *HYPOTHYROIDISM, etiology/ *IODINE RADIOISOTOPES, administration & dosage/ IODINE RADIOISOTOPES, adverse effects/ IODINE RADIOISOTOPES, therapeutic use/ MALE/ MIDDLE AGE
7. Abercrombie GF: Carcinoma of the prostate.
Ann R Coll Surg Engl 54:16-21, Jan 74
BIOPSY/ CASTRATION/ DIETHYLSTILBESTROL, therapeutic use/ HUMAN/ MALE/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT/ PROSTATECTOMY/ *PROSTATIC NEOPLASMS/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, radiotherapy/ RECTUM/ TESTIS, surgery
8. Abramova EI, Antonova TN, Remizov SM: Postrentgenovskie kheilly.
Sov Med 36:145, Feb 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHEILITIS, drug therapy/ *CHEILITIS, etiology/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ FEMALE/ HUMAN/ LIP, radiation effects/ MALE/ MIDDLE AGE/ RADIATION DOSAGE/ *RADIOTHERAPY, adverse effects
9. Achari NK, al-Ubaidy S, Downman CB: Cardiovascular responses elicited by fastigial and hypothalamic stimulation in conscious cats.
Brain Res 60:439-47, 12 Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ CATS/ *CEREBELLUM, physiology/ *CEREBRAL VENTRICLES, physiology/ ELECTRIC STIMULATION/ *HEART, physiology/ HEART RATE/ HYPOTHALAMUS, physiology/ PROPRANOLOL, pharmacodynamics/ PULSE/ REFLEX/ STEREOTAXIC TECHNIQS
10. Acharya BS: Treatment of superficial burns in the accident department. Practitioner 211:371-2, Sep 73
ADRENAL CORTEX HORMONES, therapeutic use/ ANTICOAGULANTS, therapeutic use/ *BURNS, drug therapy/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ HOSPITAL EMERGENCY SERVICE/ HUMAN/ *MUCOPOLYSACCHARIDES, therapeutic use/ PAIN, drug therapy/ SUGAR ACIDS, therapeutic use/ WOUND HEALING
11. Achten G, Wanet J, Fontaine A, et al: Périfolliculite suppurative superficielle du cuir chevelu.
Arch Belg Dermatol Syphiligr 29:125-8, Apr-Jun 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ENGLISH ABSTRACT/ FLUOROURACIL, therapeutic use/ *FOLLICULITIS, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ SUPPURATION
12. Ackerman N, Hoover TR, Corley EA: Cortical bone sequestrum in a ram.
Vet Med Small Anim Clin 69:91-3, Jan 74
ANIMAL EXPERIMENTS/ *BONE AND BONES, injuries/ HINDLIMB/ MALE/ METATARSUS, pathology/ NECROSIS/ SHEEP/ *SHEEP DISEASES, surgery
13. Adachi T: A new method for clinical evaluation of fetal malnutrition in newborn.
Z Geburtshilfe Perinatol 177:291-5, Aug 73
ANTHROPOMETRY/ BIRTH WEIGHT/ BODY HEIGHT/ CEPHALOMETRY/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYPOGLYCEMIA, diagnosis/ INFANT, NEWBORN/ *INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ *PLACENTA DISORDERS/ PREGNANCY/ PREGNANCY COMPLICATIONS/ SKINFOLD THICKNESS
14. Adachi T, Takahashi K, Funaki K, et al: A study of maternal urinary level of estriol related to fetal malnutrition.
Z Geburtshilfe Perinatol 177:295-9, Aug 73
ANENCEPHALUS/ ANTHROPOMETRY/ BIRTH WEIGHT/ BODY HEIGHT/ CEPHALOMETRY/ COMPARATIVE STUDY/ *ESTRIOL, urine/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ METHODS/ PLACENTA DISORDERS, diagnosis/ *PLACENTA DISORDERS, urine/ PREGNANCY/ PREGNANCY, PROLONGED/ PREGNANCY TOXEMIAS, urine/ SKINFOLD THICKNESS
15. Adams AD, Adams MJ, Rossmann MG, et al: Letter: A crystalline form of testes-specific lactate dehydrogenase. J Mol Biol 78:721-2, 25 Aug 73
ANIMAL EXPERIMENTS/ BIREFRINGENCE/ CRYSTALLOGRAPHY/ *LACTATE DEHYDROGENASE, analysis/ MALE/ MICE/ *TESTIS, enzymology/ X-RAY DIFFRACTION

AUTHOR SECTION

16. Adams CE: Loss of eggs associated with tubal insemination in the rabbit.
J Reprod Fertil 35:405-13, Dec 73
ANIMAL EXPERIMENTS/ CATTLE/ CELL COUNT/ *FALLOPIAN TUBES/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *INSEMINATION, ARTIFICIAL/ LIGATION/ MALE/ OVULATION, drug effects/ *OVUM/ OVUM, drug effects/ PREGNANCY/ PREGNANCY, MULTIPLE/ RABBITS/ SEMEN/ SHEEP/ SODIUM CHLORIDE, pharmacodynamics/ SPERM CAPACITATION/ SPERMATOZOA/ STIMULATION, CHEMICAL/ TIME FACTORS/ VAGINA
17. Adams CE: Proceedings: Asynchronous egg transfer in the rabbit. J Reprod Fertil 35:613-4, Dec 73
ANIMAL EXPERIMENTS/ BLASTOCYST, growth & development/ CORPUS LUTEUM, anatomy & histology/ *ENDOMETRIUM, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ NIDATION/ OVUM, growth & development/ *OVUM, transplantation/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ RABBITS/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS
18. Adiam C: Studies on the histamine sensitisation produced in mice by *Corynebacterium parvum*.
J Med Microbiol 6:527-38, Nov 73
ADRENAL GLANDS, drug effects/ AGE FACTORS/ ANAPHYLAXIS/ BORDETELLA PERTUSSIS/ CORYNEBACTERIUM PARVUM, immunology/ *DRUG HYPERSENSITIVITY/ FEMALE/ HEAT/ *HISTAMINE/ HISTAMINE, administration & dosage/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IMMUNIZATION/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ LEUKOCYTE COUNT/ MICE/ MICE, INBRED BALB C/ MICE, INBRED CBA/ OVALBUMIN, pharmacodynamics/ SEROTONIN
19. Adler CP: Knochenzysten.
Beitr Pathol 150:103-31, Nov 73 (Ger)
ADULT/ AGE FACTORS/ AGED/ BIOPSY/ BONE AND BONES, pathology/ *BONE CYST, pathology/ BONE CYST, radiography/ BONE DISEASES, pathology/ BONE NEOPLASMS, pathology/ CHILD/ CHILD, PRESCHOOL/ CHONDROMA, pathology/ EOSINOPHILIC GRANULOMA, pathology/ FEMALE/ FIBROUS DYSPLASIA OF BONE, pathology/ FRACTURES, SPONTANEOUS, pathology/ GIANT CELL TUMORS, pathology/ HUMAN/ MALE/ OSTEITIS FIBROSA CYSTICA, pathology/ OSTEOMA, OSTEOID, pathology/ OSTEOMYELITIS, pathology/ PLASMACYTOMA, pathology
20. Adlercreutz H, Tikkanen MJ, Wichmann K, et al: Recurrent jaundice in pregnancy. IV. Quantitative determination of urinary and biliary estrogens, including studies in pruritus gravidarum.
J Clin Endocrinol Metab 38:51-7, Jan 74
*BILE, analysis/ *CHOLESTASIS, metabolism/ CHROMATOGRAPHY, GAS/ ESTRADIOL, analysis/ ESTRADIOL, urine/ ESTRADIOL, urine/ *ESTROGENS, analysis/ ESTROGENS, urine/ ESTRONE, analysis/ ESTRONE, urine/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, analysis/ HYDROXYSTEROIDS, urine/ KETOSTEROIDS/ KETOSTEROIDS, urine/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ METHYL ETHERS, analysis/ METHYL ETHERS, urine/ PREGNANCY/ *PRURITUS, metabolism/ RECURRENCE
21. Ado A, Goldstein MM: The primary immune response in rabbits after lesion of the different zones in the medial hypothalamus. Ann Allergy 31:585-9, Dec 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ *ANTIBODY FORMATION/ COMPLEMENT FIXATION TESTS/ HEMAGGLUTINATION/ *HYPOTHALAMUS, immunology/ HYPOTHALAMUS, pathology/ MALE/ RABBITS
22. Adolfsson S: Effects of insulin and testosterone on glycogen synthesis and glycogen synthetase activity in rat levator ani muscle.
Acta Physiol Scand 88:234-47, Jun 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ GLUCOSEPHOSPHATES, metabolism/ *GLYCOGEN, biosynthesis/ GLYCOGEN, metabolism/ *GLYCOGEN SYNTHETASE, metabolism/ HEXOSYLTRANSFERASES, metabolism/ INSULIN, administration & dosage/ *INSULIN, pharmacodynamics/ MALE/ MUSCLES, drug effects/ MUSCLES, enzymology/ *MUSCLES, metabolism/ RATS/ SPECTROPHOTOMETRY/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ UDP GLUCURONOSYLTRANSFERASE, metabolism
23. Adour KK, Bell DN, Wingerd J: Bell palsy. Dilemma of diabetes mellitus. Arch Otolaryngol 99:114-7, Feb 74
ADOLESCENCE/ ADULT/ AGE FACTORS/ BLOOD SUGAR, analysis/ CHILD/ CHILD, PRESCHOOL/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, occurrence/ FACIAL PARALYSIS, blood/ *FACIAL PARALYSIS, complications/ FACIAL PARALYSIS, drug therapy/ FACIAL PARALYSIS, occurrence/ FACIAL PARALYSIS, physiotherapy/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEURAL CONDUCTION/ PREDNISONE, therapeutic use/ SEX FACTORS
24. Advani AT, Pettit LD: The formation constants of the proton and calcium complexes of prostaglandins PGE1 and PGF1b. Chem Biol Interact 7:181-4, Sep 73
*CALCIUM/ CALCIUM RADIOISOTOPES/ CHEMISTRY/ HYDROXYBUTYRATES/ ION EXCHANGE RESINS/ KINETICS/ LIGANDS/ POTENTIOMETRY/ *PROSTAGLANDINS/ PROTONS
25. Agapova EN, Mikhalev ID, Bondarenko NI, et al: Primenne khlorpropamida pri nesakharnom diabete. Ter Arkh 45:41-3, Sep 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ *CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE
26. Agarwal MK: Neurotransmitting substances and endotoxin response in relation to hepatic enzyme induction. Pathol Microbiol (Basel) 40:54-62, 1974
AMINOBUTYRIC ACID, therapeutic use/ ANIMAL EXPERIMENTS/ CHLOROMERCURIBENZOATES, therapeutic use/ CORTISONE, therapeutic use/ CYPROHEPTADINE, therapeutic use/ DOPA, therapeutic use/ *ENDOTOXINS, toxicity/ ENZYME INDUCTION, drug effects/ GLUTAMATES, therapeutic use/ GLYCINE, therapeutic use/ INJECTIONS, INTRAPERITONEAL/ LETHAL DOSE 50/ LEUCINE, therapeutic use/ *LIVER, enzymology/ LYSERGIC ACID DIETHYLAMIDE, therapeutic use/ MALE/ MERCURY, therapeutic use/ MICE/ *NEURAL TRANSMISSION, drug effects/ SHOCK, ENDOTOXIC, drug therapy/ *SHOCK, ENDOTOXIC, physiotherapy/ STEREOISOMERS/ TIME FACTORS/ TRYPTOPHAN HYDROXYLASE, metabolism
27. Agee OF, Kaude J, Lepasoon J: Preoperative localization of pheochromocytoma.
Acta Radiol [Diagn] (Stockh) 14:545-60, Sep 73
ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ ANGIOGRAPHY/ AORTOGRAPHY/ *CATECHOLAMINES, blood/ CONTRAST

AUTHOR SECTION

- MEDIA/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ PHENOXYBENZAMINE, therapeutic use/ PHENTOLAMINE, therapeutic use/ PHEOCHROMOCYTOMA, blood/ PHEOCHROMOCYTOMA, diagnosis/ *PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, surgery/ PHLEBOGRAPHY/ PREMEDICATION/ PREOPERATIVE CARE/ RENAL ARTERY/ VANILMANDELIC ACID, blood
28. Aggarwal JL: Behcet's disease with recurrent facial paralysis. Br J Ophthalmol 57:704-5, Sep 73
ADULT/ *BEHCET'S SYNDROME, complications/ BEHCET'S SYNDROME, drug therapy/ CORTICOTROPIN, therapeutic use/ *FACIAL PARALYSIS, complications/ FEMALE/ GLAUCOMA, chemically induced/ HEMATEMESIS, complications/ HUMAN/ PREDNISOLONE, adverse effects/ PREDNISOLONE, therapeutic use/ STOMACH ULCER, complications/ UVEITIS, complications
 29. Agugliaro S: Coloration élective intraopératoire du tissu parathyroïdien (étude exp 57erimentale et clinique.
J Chir (Paris) 106:403-8, Oct 73 (Fre)
ADENOMA, surgery/ ANIMAL EXPERIMENTS/ DOGS/ ENGLISH ABSTRACT/ HUMAN/ *PARATHYROID GLANDS/ PARATHYROID NEOPLASMS, diagnosis/ *PARATHYROID NEOPLASMS, surgery/ RABBITS/ RATS/ *STAINS AND STAINING/ *TOLUIDINES, diagnostic use
 30. Ahlman H, Enerhåck L, Kewenter J, et al: Effects of extrinsic denervation on the fluorescence of monoamines in the small intestine of the cat. Acta Physiol Scand 89:429-35, Nov 73
ANIMAL EXPERIMENTS/ BIOPSY/ CATS/ CHROMAFFIN SYSTEM, analysis/ DENERVATION/ ELECTRIC STIMULATION/ FEMALE/ GASTROINTESTINAL MOTILITY/ *ILEUM, analysis/ ILEUM, innervation/ INTESTINAL MUCOSA, analysis/ *INTESTINE, SMALL, innervation/ *JEJUNUM, analysis/ JEJUNUM, innervation/ MALE/ MICROSCOPY, FLUORESCENCE/ *SEROTONIN, analysis
 31. Ahmann DL, Bisel HF, Hahn RG: A phase 2 evaluation of 1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (NSC 95441) in patients with advanced breast cancer. Cancer Res 34:27-30, Jan 74
ALOPECIA, chemically induced/ BLOOD PLATELETS/ *BREAST NEOPLASMS, drug therapy/ CASTRATION/ COMPARATIVE STUDY/ CYCLOHEXANE/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, adverse effects/ FLUOROURACIL, therapeutic use/ GASTROINTESTINAL DISEASES, chemically induced/ HEMATOPOIETIC SYSTEM, drug effects/ HUMAN/ LEUKOCYTE COUNT/ NERVOUS SYSTEM DISEASES, chemically induced/ NITROSOUREA COMPOUNDS, administration & dosage/ NITROSOUREA COMPOUNDS, adverse effects/ *NITROSOUREA COMPOUNDS, therapeutic use/ OVARY/ PREDNISONE, therapeutic use/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use
 32. Aho AJ: Allogenic joint transplantation in the dog. Ann Chir Gynaecol Fenn 62:226-33, 1973
ANGIOGRAPHY/ ANIMAL EXPERIMENTS/ BONE AND BONES/ CARTILAGE, ARTICULAR, growth & development/ CARTILAGE, ARTICULAR, metabolism/ CARTILAGE, ARTICULAR, pathology/ DOGS/ FEMALE/ HINDLIMB, transplantation/ *JOINTS, transplantation/ MALE/ METHODS/ REFRIGERATION/ TIME FACTORS/ TISSUE PRESERVATION/ *TRANSPLANTATION, HOMOLOGOUS/ WOUND HEALING
 33. Aho AJ, Elnola S, Paasio J: Role of strontium (85Sr) scintigraphy in the clinical analysis of bone diseases. Ann Chir Gynaecol Fenn 62:146-54, 1973
ADULT/ AGED/ BONE AND BONES, metabolism/ *BONE DISEASES, diagnosis/ BONE DISEASES, radiography/ BONE DISEASES, urine/ *BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, radiography/ BONE NEOPLASMS, urine/ COMPARATIVE STUDY/ FEMALE/ *FRACTURES, diagnosis/ FRACTURES, radiography/ FRACTURES, urine/ HUMAN/ HYDROXYPROLINE, urine/ MALE/ MIDDLE AGE/ *RADIOISOTOPE SCANNING/ *STRONTIUM RADIOISOTOPES
 34. Alken JW: Aspirin and indomethacin prolong parturition in rats: Evidence that prostaglandins contribute to expulsion of foetus. Nurs Dig 1:25-7, Mar 73
ASPIRIN, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ LABOR, drug effects/ PROSTAGLANDINS, antagonists & inhibitors/ SPECIAL LIST NURSING
 35. Alranow G, Sorger K: Symmetrische Spontanfraktur der Oberschenkel bei gleichzeitiger Erkrankung an Chondrodystrophie fötalis und Fluorose. Beitr Orthop Traumatol 20:452-61, Sep 73 (Ger)
*ACHONDROPLASIA, complications/ ADULT/ *FEMORAL FRACTURES, complications/ *FRACTURES, SPONTANEOUS, complications/ HUMAN/ MALE/ *MOTTLED ENAMEL, complications/ NUTRITION DISORDERS, complications/ *OSTEOMALACIA, complications/ SYNDROME
 36. Alre TA: Development of puberty in Nigerian and White Leghorn cockerels. Poul Sci 52:1765-9, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CHICKENS, physiology/ COMB AND WATTLES, anatomy & histology/ COMB AND WATTLES, growth & development/ COMPARATIVE STUDY/ FEMALE/ FERTILITY/ MALE/ NIGERIA/ ORGAN WEIGHT/ *PUBERTY/ TESTIS, anatomy & histology/ TESTIS, growth & development
 37. Alier MS, Chiappa SA, Fink G, et al: Proceedings: A priming effect of luteinizing hormone releasing factor on the anterior pituitary gland in the female rat. J Physiol (Lond) 234:81P-82P, Oct 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ LH, secretion/ LH-FSH RELEASING HORMONE, pharmacodynamics/ OVARY, physiology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS
 38. Akhmlina NI, Barashnev IuI, Okulov AB, et al: Klinika i diagnostika vrozhdennoi disfunktsii kory nadpocheknikov (sol'terialushchei formy) u detei rannego vozrasta. Vopr Okhr Materin Det 18:82-6, Jan 73 (Rus)
*ADRENOGENITAL SYNDROME, diagnosis/ FEMALE/ HUMAN/ INFANT/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS/ WATER-ELECTROLYTE BALANCE
 39. Akhunbaev IK, Akhunbaeva BI, Aralbaeva Zha: Sostoianie serdechno-sosudistoi sistemy u hol'nykh endemicheskikh zohom, zhivushchikh v usloviakh vysoko- i nizkogor'kh Kirgizii. Probl Endokrinol (Mosk) 19:25-30, Nov-Dec 73 (Rus)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *ALTITUDE/ BLOOD PRESSURE/ *CARDIOVASCULAR SYSTEM, physiopathology/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ *GOITER, ENDEMIC, physiopathology/ HEART RATE/ HUMAN/ KIRGHIZIA/ MIDDLE AGE/ PULSE
 40. Akmaev IG, Kaholova ZA, Popov AP, et al: Funktsional'nala morfologija izolirovannogo medio-bazal'nogo gipotalamusa u krysa. Probl Endokrinol (Mosk) 19:62-9, Nov-Dec 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ EPENDYMA, cytology/ EPENDYMA, metabolism/ *HYPOTHALAMUS, cytology/ HYPOTHALAMUS, metabolism/

AUTHOR SECTION

- MALE/ NEUROGLIA, metabolism/ NEURONS,
AFFERENT, metabolism/ RATS
41. Akram H, Weniger JP: Effet de l'hypophysectomie sur la sécrétion d'oestrogènes par les gonades de l'embryon de canard femelle.
Gen Comp Endocrinol 21:543-6, Dec 73 (Fre)
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, THIN
LAYER/ *DUCKS, physiology/ ENGLISH
ABSTRACT/ ESTRADIOL, secretion/
ESTROGENS, isolation & purification/
*ESTROGENS, secretion/ ESTRONE, secretion/
FEMALE/ *HYPOPHYSECTOMY/ IN VITRO/
LH, pharmacodynamics/ *OVARY, secretion/
TRITIUM
 42. Alagille D, Gautier M, Héroulin C, et al: Chronic hepatitis in children.
Acta Paediatr Scand 62:566-70, Nov 73
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ AUSTRALIA
ANTIGEN/ BLOOD SEDIMENTATION/ CHILD/
CHILD, PRESCHOOL/ CHRONIC DISEASE/
FEMALE/ FLOCCULATION TESTS/
HEPATITIS, blood/ HEPATITIS, diagnosis/
HEPATITIS, drug therapy/ HEPATITIS,
immunology/ *HEPATITIS, pathology/
HEPATOMEGALY/ HUMAN/
HYPOPROTEINEMIA/ *LIVER, pathology/
MALE/ SERUM ALBUMIN
 43. Alberto P, Pettavel J, Rohner A: Chirurgie dans la stratégie thérapeutique de la maladie de Hodgkin.
Helv Chir Acta 40:679-85, Dec 73 (Fre)
ANTINEOPLASTIC AGENTS, therapeutic use/
EVALUATION STUDIES/ HODGKIN'S
DISEASE, drug therapy/ *HODGKIN'S
DISEASE, surgery/ HUMAN/
POSTOPERATIVE COMPLICATIONS/
PREDNISONE, therapeutic use/ PROGNOSIS/
SPLENECTOMY/ TIME FACTORS
 44. Alexander NJ: Autoimmune hypospermatogenesis in vasectomized guinea pigs.
Contraception 8:147-64, Aug 73
ANTIBODY FORMATION/ AUTOIMMUNE
DISEASES, physiopathology/ CELL
MOVEMENT/ COMPLEMENT/ ELECTRIC
STIMULATION/ EPIDIDYMI, physiopathology/
FREUND'S ADJUVANT/ GUINEA PIGS/
HUMAN/ MALE/ MICROSCOPY, ELECTRON/
MYCOBACTERIUM/ NEUTROPHILS/
PHAGOCYTES/ SEMEN/ SKIN TESTS/
SPECIAL LIST REPRODUCTION/
SPERMATOGENESIS/ SPERMATOZOA/
SPERMATOZOA, immunology/ TESTIS,
physiopathology/ TIME FACTORS/
VASECTOMY
 45. Alexander NM: Oxidation and oxidative cleavage of tryptophanyl peptide bonds during iodination.
Biochem Biophys Res Commun 54:614-21, 18 Sep 73
HYDROGEN-ION CONCENTRATION/ IODINE/
OLIGOPEPTIDES/ OLIGOPEPTIDES, analysis/
OXIDATION-REDUCTION/ *PEPTIDES,
analysis/ PEROXIDASES/ PROTEINS, analysis/
SPECTROPHOTOMETRY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*TRYPTOPHAN, analysis
 46. Alexander WD, McLarty DG, Horton P, et al: Sequential assessment during drug treatment of thyrotoxicosis.
Clin Endocrinol (Oxf) 2:43-50, Jan 73
ADULT/ AGE FACTORS/ AGED/
*CARBIMAZOLE, therapeutic use/ FEMALE/
FOLLOW-UP STUDIES/ GOITER,
EXOPHTHALMIC, drug therapy/ HUMAN/
*HYPERTHYROIDISM, drug therapy/
HYPERTHYROIDISM, physiopathology/ MALE/
MIDDLE AGE/ THYROID GLAND,
physiopathology/ TRIIODOTHYRONINE,
therapeutic use
 47. Alfin-Slater RB, Wells P, Aftergood L, et al: Dietary fat composition and tocopherol requirement. IV. Safety of polyunsaturated fats.
J Am Oil Chem Soc 50:479-84, Dec 73
ANIMAL EXPERIMENTS/ *DIETARY FATS/
*FATS, UNSATURATED, pharmacodynamics/
GROWTH, drug effects/ LACTATION, drug
effects/ MARGARINE, analysis/ MARGARINE,
pharmacodynamics/ *NUTRITION/
NUTRITIONAL REQUIREMENTS/ RATS/
RATS, INBRED STRAINS/ REPRODUCTION,
drug effects/ *VITAMIN E
 48. Algvere P, Almqvist S, Backlund EO: Pterional orbital decompression in progressive ophthalmopathy of Graves' disease II. A follow-up study.
Acta Ophthalmol (Kbh) 51:475-82, 1973
ADULT/ AGED/ DIPLOPIA, therapy/
EXOPHTHALMOS, surgery/ EYE DISEASES,
etiology/ *EYE DISEASES, surgery/ FEMALE/
FOLLOW-UP STUDIES/ GOITER,
EXOPHTHALMIC, complications/ *GOITER,
EXOPHTHALMIC, surgery/ HUMAN/
HYPOTHYROIDISM, drug therapy/ MALE/
MIDDLE AGE/ ORBIT, surgery/ THYROXINE,
therapeutic use/ TONOMETRY/ VISUAL
ACUITY/ VISUAL FIELDS
 49. Algvere P, Almqvist S, Backlund EO: Pterional orbital decompression in progressive ophthalmopathy of Graves' disease. I. Short-term effects.
Acta Ophthalmol (Kbh) 51:461-74, 1973
ADULT/ AGED/ CUSHING'S SYNDROME,
chemically induced/ DIPLOPIA, surgery/
EDEMA/ EXOPHTHALMOS, drug therapy/
*EXOPHTHALMOS, surgery/ *EYE DISEASES,
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GOITER, EXOPHTHALMIC, drug therapy/
*GOITER, EXOPHTHALMIC, surgery/ HUMAN/
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MALE/ MIDDLE AGE/ PREDNISOLONE,
adverse effects/ PREDNISOLONE, therapeutic
use/ PREOPERATIVE CARE/ THYROID
ANTAGONISTS, therapeutic use/ THYROID
HORMONES, therapeutic use/ TONOMETRY/
VISUAL ACUITY/ VISUAL FIELDS
 50. Alhava EM, Karjalainen P: The mineral content and mineral density of bone of the forearms in healthy persons measured by Am-241 gamma ray attenuation method. Ann Clin Res 5:238-43, Aug 73
ADULT/ AGE FACTORS/ AGED/
AMERICIUM/ *BONE AND BONES, analysis/
BONE DEVELOPMENT/ EXTREMITIES/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
*MINERALS, analysis/ RADIUS/ SEX
FACTORS/ ULNA
 51. Alhava EM, Karjalainen P: Mineral content and density of the forearm bones measured by Am-241 gamma ray attenuation method in 80 patients with osteoporotic hip fractures. Ann Clin Res 5:244-7, Aug 73
ADULT/ AMERICIUM/ *BONE AND BONES,
analysis/ FEMALE/ FRACTURES, etiology/
*HIP, injuries/ HUMAN/ MALE/ METHODS/
MIDDLE AGE/ *MINERALS, analysis/
OSTEOMALACIA, complications/
OSTEOPOROSIS, complications
 52. Alho A: Effects of vasoactive drugs on lysosomal stability in vitro.
Biochem Pharmacol 22:2521-7, 15 Oct 73
ACID PHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ CELL FRACTIONATION/
CELL MEMBRANE, drug effects/ CELL
SURVIVAL/ *CHLORPROMAZINE,
pharmacodynamics/ COMPARATIVE STUDY/
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VITRO/ LIVER, cytology/ LYSOSOMES, drug
effects/ *LYSOSOMES, enzymology/ MALE/
*METHYLPREDNISOLONE, pharmacodynamics/
MICROCIRCULATION, drug effects/
*PHENOXYBENZAMINE, pharmacodynamics/
*PHENTOLAMINE, pharmacodynamics/ RATS/
SHOCK, prevention & control
 53. Ali B, Parmar SS, Seth PK, et al: Spontaneous peripheral leakage of pargyline on intracerebroventricular administration.
Res Commun Chem Pathol Pharmacol 6:1083-6, Nov 73
AMINES, metabolism/ ANIMAL
EXPERIMENTS/ BRAIN, enzymology/ BRAIN,
metabolism/ *CEREBRAL VENTRICLES/
DEAMINATION/ INJECTIONS/ LIVER,
enzymology/ LIVER, metabolism/ MALE/
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AUTHOR SECTION

- metabolism/ MONOAMINE OXIDASE
INHIBITORS, pharmacodynamics/
MYOCARDIUM, enzymology/ MYOCARDIUM,
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*PARGYLINE, pharmacodynamics/
PROPIOPHENONES, metabolism/ RATS/
SEROTONIN, metabolism/ SPECTROMETRY,
FLUORESCENCE/ TIME FACTORS/
TYRAMINE, metabolism
54. Allapoulos MA, O'Neill ER, Hori CG: A hypocalcemic agent containing gastrin from distal portions of the stomach in man and in the rat.
Am J Surg 127:65-70, Jan 74
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CALCITONIN, pharmacodynamics/
*CALCIUM, blood/ COMPARATIVE STUDY/
DIALYSIS/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ *GASTRIN, analysis/ GEL
FILTRATION/ HEAT/ HUMAN/
HYDROGEN-ION CONCENTRATION/
PARATHYROID HORMONE, antagonists &
inhibitors/ PHOSPHATES, blood/ RATS/
*STOMACH, analysis/ TISSUE EXTRACTS,
analysis
55. Allen DO, Largis EE, Ashmore J: Antihypertensive action of tolbutamide in isolated fat cells of the rat.
Diabetes 23:51-4, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
analysis/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENYL
CYCLASE, metabolism/ ADIPOSE TISSUE,
enzymology/ *ADIPOSE TISSUE, metabolism/
ANIMAL EXPERIMENTS/ DEPRESSION,
CHEMICAL/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ EPINEPHRINE,
pharmacodynamics/ GLYCOGEN
PHOSPHORYLASE, metabolism/ *LIPIDS,
metabolism/ PROTEIN KINASE, metabolism/
RATS/ *TOLBUTAMIDE, pharmacodynamics/
TRITIUM
56. Allen JA, Lowe DC, Roddile IC, et al: Studies on sweating in clinical and experimental thyrotoxicosis.
Clin Sci Mol Med 45:765-73, Dec 73
ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/ BODY
TEMPERATURE/ BODY WEIGHT/
CHOLESTEROL, blood/ ENVIRONMENT/
FEMALE/ HEART RATE/ HEAT/ HUMAN/
*HYPERTHYROIDISM, physiopathology/
MALE/ MENTAL PROCESSES/ OXYGEN
CONSUMPTION/ PROPRANOLOL,
pharmacodynamics/ *SWEATING/
TRIIODOTHYRONINE
57. Allen JE, Valeri CR: Prostaglandins in hematology.
Arch Intern Med 133:86-96, Jan 74 (61 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
blood/ ANIMAL EXPERIMENTS/ ASPIRIN,
pharmacodynamics/ BLOOD COAGULATION,
drug effects/ *BLOOD PLATELETS, drug
effects/ BLOOD PRESERVATION/ BLOOD
TRANSFUSION/ CHROMIUM
RADIOISOTOPES/ DIMETHYL SULFOXIDE/
*ERYTHROCYTES, drug effects/
*ERYTHROPOIESIS, drug effects/
ERYTHROPOIETIN, biosynthesis/
ERYTHROPOIETIN, secretion/ HEMATOCRIT/
HEMOLYSIS, drug effects/ HUMAN/
HYPERTENSION, etiology/ KIDNEY,
enzymology/ KIDNEY, metabolism/ KIDNEY,
secretion/ OSMOTIC FRAGILITY,
drug effects/ PLATELET ADHESIVENESS,
drug effects/ *PROTAGLANDINS, physiology/
RECEPTORS, HORMONE/ REVIEW/ SHOCK,
etiology
58. Allen JP, Greer MA, McGilvra R, et al: Endocrine function in an anencephalic infant.
J Clin Endocrinol Metab 38:94-8, Jan 74
*ANENCEPHALUS, blood/ BINDING,
COMPETITIVE/ BLOOD/ CORTICOTROPIN,
blood/ CORTICOTROPIN, pharmacodynamics/
FEMALE/ HUMAN/ HYDROCORTISONE,
blood/ INFANT, NEWBORN/ INSULIN, blood/
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blood/ THYROTROPIN, pharmacodynamics/
THYROTROPIN RELEASING HORMONE,
pharmacodynamics/ THYROXINE, blood/
TRIIODOTHYRONINE, blood/ UMBILICAL
CORD/ VASOPRESSIN, pharmacodynamics
59. Allen WR, Hamilton DW, Moor RM: The origin of equine endometrial cups. II. Invasion of the endometrium by trophoblast.
Anat Rec 177:485-501, Dec 73
ANIMAL EXPERIMENTS/ CELL MOVEMENT/
CYTOPLASM/ *ENDOMETRIUM, cytology/
ENDOPLASMIC RETICULUM/ FEMALE/
GESTATIONAL AGE/ *GONADOTROPINS,
EQUINE, hiosynthesis/ *HORSES, anatomy &
histology/ INTERCELLULAR JUNCTIONS/
*MATERNAL-FETAL EXCHANGE/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
PHAGOCYTOSIS/ PREGNANCY/
*PREGNANCY, ANIMAL/ *TROPHOBLAST,
cytology
60. Allen WR, Rossdale PD: A preliminary study upon the use of prostaglandins for inducing oestrus in non-cycling thoroughbred mares.
Equine Vet J 5:137-40, Oct 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, THIN LAYER/
*ESTRUS, drug effects/ FEMALE/
GONADOTROPINS, EQUINE, blood/ *HORSES,
physiology/ INJECTIONS/ LACTATION/
PREGNANCY/ PROGESTERONE, blood/
PROTAGLANDINS, administration & dosage/
*PROTAGLANDINS, pharmacodynamics/
PROTEIN BINDING/ UTERUS
61. Alm T, Dencker H, Lunderquist A, et al: Gardner's syndrome. *Acta Chir Scand* 139:660-5, 1973
ADULT/ AUTOSOME ABNORMALITIES/
*BONE NEOPLASMS/ CARCINOMA/ CHILD/
COLONIC NEOPLASMS/ FEMALE/ FIBROMA/
HUMAN/ *INTESTINAL POLYPS, familial &
genetic/ MALE/ MIDDLE AGE/ *NEOPLASMS,
MULTIPLE PRIMARY/ OSTEOOMA/
*OSTEOMALACIA, familial & genetic/
PEDIGREE/ *SKIN NEOPLASMS/ SYNDROME
62. Alpert JS, Haynes FW, Dalen JE, et al: Experimental pulmonary embolism; effect on pulmonary blood volume and vascular compliance.
Circulation 49:152-7, Jan 74
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/
*BLOOD VOLUME/ DOGS/ ELASTICITY/
HYPERTENSION, PULMONARY, etiology/
PROTAGLANDINS, pharmacodynamics/
PULMONARY CIRCULATION/ PULMONARY
EMBOLISM, complications/ *PULMONARY
EMBOLISM, physiopathology/ *VASCULAR
RESISTANCE
63. Alston WC, Patel KR, Kerr JW: Response of leucocyte adenylyl cyclase to isoprenaline and effect of alpha-blockers in extrinsic bronchial asthma.
Br Med J 1:90-3, 19 Jan 74
ACUTE DISEASE/ *ADENYL CYCLASE,
metabolism/ ADOLESCENCE/ *ADRENERGIC
ALPHA RECEPTOR BLOCKADERS,
therapeutic use/ ADULT/ *ASTHMA, drug
therapy/ ASTHMA, physiopathology/ DRUG
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EPINEPHRINE, therapeutic use/ HUMAN/
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*ISOPROTERENOL, therapeutic use/
*LEUKOCYTES, enzymology/ OUABAIN,
therapeutic use/ PHENTOLAMINE,
administration & dosage/ PHENTOLAMINE,
therapeutic use/ RECEPTORS, DRUG/
REMISSION/ THYMOXAMINE, administration
& dosage/ THYMOXAMINE, therapeutic use
64. Althaus SR, House HP: Delayed post-stapedectomy facial paralysis: a report of five cases.
Laryngoscope 83:1234-40, Aug 73
ADULT/ AGED/ FACIAL NERVE,
physiopathology/ FACIAL PARALYSIS, drug
therapy/ *FACIAL PARALYSIS, etiology/
FACIAL PARALYSIS, pathology/ FEMALE/
HUMAN/ MALE/ MIDDLE AGE/
POSTOPERATIVE COMPLICATIONS/ *STAPES
SURGERY, adverse effects/ STEROIDS,
therapeutic use

AUTHOR SECTION

65. Althuler G: Placental villitis of unknown etiology: harbinger of serious disease? A four month's experience of nine cases.
J Reprod Med 11:215-22, Nov 73
AUTOPSY/ BRAIN, pathology/
DISSEMINATED INTRAVASCULAR
COAGULATION, etiology/ FEMALE/ *FETAL
DISEASES, etiology/ FIBRIN/ GANGLIA,
BASAL, pathology/ HUMAN/
HYDROCEPHALUS, pathology/ INFANT,
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PLACENTA, pathology/ PLACENTA
DISORDERS, etiology/ PLACENTA
DISORDERS, microbiology/ *PLACENTA
DISORDERS, pathology/ PLASMA CELLS/
PREGNANCY/ THROMBOSIS, pathology/
VIRUS DISEASES, complications
66. Altura BM: Selective microvascular constrictor actions of some neurohypophyseal peptides.
Eur J Pharmacol 24:49-60, Oct 73
AMINO ACIDS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CAPILLARIES, drug effects/
DOSE-RESPONSE RELATIONSHIP, DRUG/
MALE/ MESENTERIC ARTERIES,
drug effects/ MICROCIRCULATION, drug
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pharmacodynamics/ *PITUITARY GLAND/
RATS/ RECEPTORS, HORMONE, drug effects/
STRUCTURE-ACTIVITY RELATIONSHIP/
*VASOCONSTRICTOR AGENTS,
pharmacodynamics/ VASOPRESSIN,
pharmacodynamics
67. Altwein JE, Orestano F, Hohenfellner R: Möglichkeiten zur Differentialdiagnose der Infertilität mit dem LH-(ICSH)-FSH-Radioimmuntest Experimentelle Untersuchungen.
Andrologie 4:343-50, 1972 (Ger)
ANIMAL EXPERIMENTS/ CASTRATION/
ENGLISH ABSTRACT/ FEEDBACK/ *FSH,
blood/ HYPOPHYSECTOMY/ IODINE
RADIOISOTOPES/ *LH, blood/ MALE/
PITUITARY GLAND, physiology/
RADIOIMMUNOASSAY/ RATS/ *STERILITY,
MALE, diagnosis/ TESTIS, blood supply/
TESTIS, physiology
68. Ambache N, Dunk LP, Verney J, et al: Proceedings: Inhibitory nature of the adrenergic innervation in the guinea-pig vas deferens.
Br J Pharmacol 44:359P-360P, Feb 72
ANIMAL EXPERIMENTS/ *COCAINE,
pharmacodynamics/ ELECTRIC STIMULATION/
GUINEA PIGS/ MALE/ MUSCLE
CONTRACTION, drug effects/
NOREPINEPHRINE, pharmacodynamics/
PROSTAGLANDINS, pharmacodynamics/
RESERPINE, pharmacodynamics/
*SYMPATHETIC NERVOUS SYSTEM,
physiology/ *TYRAMINE, pharmacodynamics/
VAS DEFERENS, drug effects/ VAS
DEFERENS, innervation/ VAS DEFERENS,
physiology
69. Ambrose J: Computerized transverse axial scanning (tomography). 2. Clinical application.
Br J Radiol 46:1023-47, Dec 73
BLOOD-BRAIN BARRIER/ BRAIN, anatomy &
histology/ *BRAIN, radiography/ BRAIN
NEOPLASMS, radiography/ CALCINOSIS,
radiography/ CEREBRAL CORTEX/
CEREBRAL VENTRICLES/ CEREBROSPINAL
FLUID/ CEREBROVASCULAR DISORDERS,
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radiography/ HEMATOMA, radiography/
HUMAN/ INFARCTION, radiography/
IOTHALAMIC ACID, diagnostic use/
MENINGIOMA, radiography/ NEOPLASM
METASTASIS/ PHOTOGRAPHY/
*TOMOGRAPHY, RADIOGRAPHIC,
instrumentation
70. Ambrosiani S, Brignone S: Su di un caso di osteogenesi imperfetta congenita.
Minerva Med 64:3660-6, 6 Oct 73 (Ita)
ABNORMALITIES, MULTIPLE, radiography/
CASE REPORT/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ INFANT, NEWBORN/
*OSTEOGENESIS IMPERFECTA, congenital/
OSTEOGENESIS IMPERFECTA, familial &
genetic/ OSTEOGENESIS IMPERFECTA,
radiography
71. Amer MS: Cyclic GMP and gastric acid secretion.
Am J Dig Dis 19:71-4, Jan 74 (19 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ ANIMAL EXPERIMENTS/
DEPRESSION, CHEMICAL/ GALLBLADDER/
*GASTRIC JUICE, secretion/ GLYCYRRHIZA/
GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/
*GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ INTESTINAL
MUCOSA, secretion/ MUSCLE CONTRACTION/
MUSCLE, SMOOTH/ PAPAVERINE,
pharmacodynamics/ PHOSPHODIESTERASES,
antagonists & inhibitors/ REVIEW/
STIMULATION, CHEMICAL/ THEOPHYLLINE,
pharmacodynamics/ TRITERPENES,
pharmacodynamics
72. Amer MS, McKinney GR: Possibilities for drug development based on the cyclic AMP system.
Life Sci 13:753-67, 1 Oct 73 (93 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENYL
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MEMBRANE, enzymology/ DIET/ *DRUGS,
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MAGNESIUM, pharmacodynamics/
MANGANESE, pharmacodynamics/
NUCLEOTIDES, CYCLIC, metabolism/
PHOSPHODIESTERASES, antagonists &
inhibitors/ PHOSPHODIESTERASES,
metabolism/ PROSTAGLANDINS,
pharmacodynamics/ REVIEW/ TEMPERATURE
73. Amery A, Billet L, Fagard R: Letter: Beta receptors and renin release. N Engl J Med 290:284, 31 Jan 74
ACETAMIDES, pharmacodynamics/
ACETAMIDES, therapeutic use/ ADRENERGIC
BETA RECEPTOR BLOCKADERS,
administration & dosage/ *ADRENERGIC
BETA RECEPTOR BLOCKADERS,
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RECEPTOR BLOCKADERS, therapeutic use/
BLOOD PRESSURE, drug effects/ HEART
RATE, drug effects/ HUMAN/
HYPERTENSION, drug therapy/
HYPERTENSION, RENAL, drug therapy/
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PHENYL ETHERS, therapeutic use/
POSTURE/ *PROPANOLAMINES,
pharmacodynamics/ PROPANOLAMINES,
therapeutic use/ *RECEPTORS, ADRENERGIC/
RENIN, blood/ *RENIN, metabolism
74. Amin M, Lich R Jr: Lymphocytes and bladder cancer.
Trans Am Assoc Genitourin Surg 65:77-83, 1973
ADENOCARCINOMA, surgery/ ANIMAL
EXPERIMENTS/ ANTINEOPLASTIC AGENTS,
therapeutic use/ BLADDER NEOPLASMS,
drug therapy/ BLADDER NEOPLASMS,
mortality/ *BLADDER NEOPLASMS,
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radiotherapy/ BLADDER NEOPLASMS,
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DEPLETION/ *LYMPHOCYTES/ MALE/
NEOPLASM REGRESSION, SPONTANEOUS/
RADIOTHERAPY, adverse effects/ STEROIDS,
therapeutic use
75. Amin MI, Bryan JT: Kinetics and factors affecting stability of methylprednisolone in aqueous formulation. J Pharm Sci 62:1768-71, Nov 73
CHEMISTRY/ DRUG COMPOUNDING/ DRUG
STABILITY/ HEXOSES/ HYDROGEN-ION

AUTHOR SECTION

- CONCENTRATION/ KINETICS/ METHODS/
*METHYLPREDNISOLONE/ OLEIC ACID/
OXIDATION-REDUCTION/ OXYGEN/
POLYMERS/ SOLUBILITY/ SOLUTIONS/
SURFACE-ACTIVE AGENTS/ TEMPERATURE/
WATER
76. Amir D: The sites of the spermicidal action of ethylene dibromide in bulls. *J Reprod Fertil* 35:519-25, Dec 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ AUTORADIOGRAPHY/
CARBON RADIOISOTOPES/ CATTLE/
EJACULATION/ *EPIDIDYMIS, drug effects/
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BROMINATED, pharmacodynamics/
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SPERMATOGENESIS, drug effects/
*SPERMATOOZOA, drug effects/ *TESTIS, drug
effects/ TESTIS, pathology/ TIME FACTORS/
TRITIUM
77. Amlt Z, Corcoran ME, Amir S, et al: Ventral hypothalamic lesions block the consumption of morphine in rats. *Life Sci* 13:805-16, 1 Oct 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ COMPARATIVE STUDY/
HYPOTHALAMUS, anatomy & histology/
*HYPOTHALAMUS, physiology/ INJECTIONS,
INTRAPERITONEAL/ MALE/ *MORPHINE,
administration & dosage/ MORPHINE,
metabolism/ *MORPHINE ADDICTION/ RATS/
TIME FACTORS
78. Amorfini U, Bruni G: Indagini controllate sull'efficacia di diversi trattamenti ormonali nella soppressione della lattazione.
Ann Ostet Ginecol Med Perinat 93:599-604, Aug 72
(Ita)
ADULT/ CLINICAL RESEARCH/
*CONTRACEPTIVES, ORAL,
pharmacodynamics/ ENGLISH ABSTRACT/
*ESTROGENS, pharmacodynamics/ FEMALE/
HUMAN/ *LACTATION, drug effects/
PREGNANCY/ PUERPERIUM/ QUINESTROL,
pharmacodynamics
79. Amy JJ, Jackson DM, Ganesan PA, et al: Prostaglandin 15 (R) 15-methyl-E2 methyl ester for suppression of gastric acidity in gravida at term.
Br Med J 4:208-11, 27 Oct 73
ASPIRATION/ ESTERS/ FEMALE/ *GASTRIC
JUICE, secretion/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ LABOR, drug effects/
OXYTOXICS/ PREANESTHETIC MEDICATION/
PREGNANCY/ *PREGNANCY
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PROSTAGLANDINS, administration & dosage/
*REGURGITATION, GASTRIC, prevention &
control/ SECRETORY RATE, drug effects/
UTERUS, drug effects
80. Analise J, Gedalia I, Drangel A, et al: Fluoride uptake in rats given nonacidulated and acidulated tea.
J Dent Res 53:140, Jan-Feb 74
ACETIC ACIDS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *BONE AND BONES,
metabolism/ FEMUR/ *FLUORIDES,
metabolism/ HYDROGEN-ION
CONCENTRATION/ MOLAR/ RATS/ *TEA/
*TOOTH CALCIFICATION, drug effects
81. Ananthakrishnan R, Beck W, Walter H: Is the PGM1 locus subject to selection?
Humangenetik 19:247-52, 20 Sep 73
BLOOD PROTEIN ELECTROPHORESIS/
DENMARK/ ELECTROPHORESIS/ ENGLAND/
ERYTHROCYTES, enzymology/ FEMALE/
*GENES/ GENETICS, BIOCHEMICAL/
GENETICS, POPULATION/ GERMANY, WEST/
HUMAN/ PHENOTYPE/
*PHOSPHOGLUCOMUTASE, metabolism/
PLACENTA, enzymology/ *POLYMORPHISM
(GENETICS)/ PREGNANCY/ *SELECTION
(GENETICS)
82. Anastassades TP: Effect of a synthetic hexosamine derivative on mucopolysaccharide synthesis by human capsule and synovium.
Biochem Pharmacol 22:3013-23, 1 Dec 73
*ASPIRIN, pharmacodynamics/ CARBON
RADIOISOTOPES/ CHONDROITIN, metabolism/
CONNECTIVE TISSUE, drug effects/
GLUCOSAMINE, metabolism/ GLUCOSE,
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*HEXOSAMINES, pharmacodynamics/ HUMAN/
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*HYDROCORTISONE, pharmacodynamics/
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biosynthesis/ OSTEOARTHRITIS, metabolism/
STRUCTURE-ACTIVITY RELATIONSHIP/
*SYNOVIAL MEMBRANE, metabolism/ TIME
FACTORS/ TRITIUM
83. Andersen NH, Ramwell PW: Biological aspects of prostaglandins.
Arch Intern Med 133:30-50, Jan 74 (7 ref.)
ANIMAL EXPERIMENTS/ CHEMISTRY/
FEMALE/ HUMAN/ HYDROXYLASES,
physiology/ HYDROXYLATION/ LIVER,
metabolism/ LUNG, enzymology/ MODELS,
STRUCTURAL/ MOLECULAR
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PROSTAGLANDINS, pharmacodynamics/
RECEPTORS, HORMONE/ REVIEW/
SOLUTIONS/ STEREOISOMERS/
STRUCTURE-ACTIVITY RELATIONSHIP/
UTERUS, drug effects
84. Anderson KM, Kellen JA: DMBA, hypertension and impaired adrenal mitochondrial differentiation.
Oncology 28:365-77, 1973
ADRENAL GLANDS, cytology/ *ADRENAL
GLANDS, pathology/ ANIMAL EXPERIMENTS/
*BENZANTHRACENES/ FEMALE/
HYPERTENSION, chemically induced/
*HYPERTENSION, pathology/ MICROSCOPY,
ELECTRON/ *MITOCHONDRIA/ RATS
85. Anderson LL, Bast JD, Melampy RM: Relaxin in ovarian tissue during different reproductive stages in the rat.
J Endocrinol 59:371-2, Nov 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ ESTRUS/ FEMALE/
HYSTERECTOMY/ *OVARY, analysis/
PREGNANCY/ PSEUDOPREGNANCY/ RATS/
*RELAXIN, analysis/ TIME FACTORS
86. Andersson B, Olsson K: On central control of body fluid homeostasis. *Cond Reflex* 8:147-59, Jul-Sep 73
ANIMAL EXPERIMENTS/ BLOOD-BRAIN
BARRIER/ BLOOD PRESSURE, drug effects/
*BRAIN, physiology/ CEREBRAL
VENTRICLES, drug effects/ CEREBRAL
VENTRICLES, physiology/ CHEMORECEPTORS,
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NATRIURESIS/ RENIN, metabolism/ SODIUM,
cerebrospinal fluid/ SODIUM CHLORIDE,
pharmacodynamics/ THIRST/ VASOPRESSIN,
secretion/ *WATER-ELECTROLYTE BALANCE,
drug effects
87. Andersson RG: Cyclic AMP and calcium ions in mechanical and metabolic responses of smooth muscles; influence of some hormones and drugs.
Acta Physiol Scand [Suppl] 382:1-59, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ADENOSINE
TRIPHOSPHATE, analysis/ ADENYL
CYCLASE, metabolism/ ANIMAL
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GUINEA PIGS/ HEXOSEPHOSPHATES,
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AUTHOR SECTION

- *MUSCLE, SMOOTH, physiology/ MUSCLE TONUS/ PHOSPHOCREATINE, analysis/ PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, metabolism/ RABBITS/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION
88. Andreeva NE: Funktsional'naya morfologiya gipotalamo-gipofizarnoi nefrosekretornoj sistemy (GGNS) zolotistogo khomiachika v protsesse éstral'nogo tsikla i pri giperéstroge nizme. Arkh Anat Gistol Embriol 64:98-102, Jun 73 (Rus) ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ HAMSTERS/ *HEXESTROL, pharmacodynamics/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ NEUROSECRETION, drug effects
89. Andrioli GC, Pennelli N: Carcinomatosi meningei da feocromocitoma maligno. Acta Neurol (Napoli) 28:415-24, Jul-Aug 73 (Ita) *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLANDS, pathology/ ADULT/ BRAIN, pathology/ *BRAIN NEOPLASMS, complications/ CARCINOMA/ HEMIANOPSIA, etiology/ HUMAN/ INTRACRANIAL PRESSURE/ MALE/ MEMORY DISORDERS, etiology/ *MENINGES/ MENTAL DISORDERS, etiology/ MOVEMENT DISORDERS, etiology/ NEOPLASM METASTASIS/ PARALYSIS, BULBAR, etiology/ *PNEUROCHROMOCYTOMA, complications
90. Angelescu E, Stoenescu D, Damlan A, et al: Asupra tesutului tiroidian restant dupá tiroidectomia pentru guşá difuzá cu tireotoxicoză. Stud Cercet Endocrinol 24:465-71, 1973 (Rum) ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ FEMALE/ *GOITER, surgery/ GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ HYPERTHYROIDISM, drug therapy/ *HYPERTHYROIDISM, surgery/ *HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, prevention & control/ IODINE, administration & dosage/ *IODINE, therapeutic use/ *MYXEDEMA, etiology/ *MYXEDEMA, prevention & control/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ THYROID ANTAGONISTS, administration & dosage/ *THYROID ANTAGONISTS, therapeutic use/ THYROID HORMONES, therapeutic use/ *THYROIDECTOMY
91. Angelova Y, Mitrov G, Salambashev L, et al: Changes in the venous urography and isotope nephrography in patients with malignant tumours of the female genitals. Int Urol Nephrol 5:53-61, Jan 73 CERVIX NEOPLASMS, complications/ CERVIX NEOPLASMS, surgery/ FEMALE/ *GYNECOLOGIC NEOPLASMS, complications/ HUMAN/ HYDRONEPHROSIS, etiology/ HYSTERECTOMY/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ IODOHIPURIC ACID, metabolism/ KIDNEY, pathophysiology/ OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, surgery/ POSTOPERATIVE COMPLICATIONS, diagnosis/ RADIOISOTOPE SCANNING/ URINARY CALCULI, etiology/ URINATION DISORDERS, etiology/ UROGRAPHY/ *UROLOGIC DISEASES, diagnosis/ UROLOGIC DISEASES, etiology/ UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, surgery
92. Anger H: Leukozytose in der Gravidität. Dtsch Med Wochenschr 98:2374, 7 Dec 73 (Ger) FEMALE/ HUMAN/ LABOR COMPLICATIONS/ LEUKOCYTE COUNT/ *LEUKOCYTOSIS, complications/ NEUTROPHILS/ PLACENTAL HORMONES/ PREGNANCY/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC
93. Anghileri J: The effects of lanthanum (La3+) on the metabolism of calcium in tumors. Int J Clin Pharmacol 8:146-53, Oct 73 ANIMAL EXPERIMENTS/ BINDING SITES/ CALCIUM, administration & dosage/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ *CARCINOMA, EHRlich TUMOR, metabolism/ CHLORIDES, metabolism/ CITRATES, metabolism/ GLUCONATES, metabolism/ KIDNEY, metabolism/ LANTHANUM, administration & dosage/ *LANTHANUM, pharmacodynamics/ *LEUKEMIA, EXPERIMENTAL, metabolism/ LIVER, metabolism/ MICE/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism
94. Anisimov VN, Khavinson VKh, Morozov VG, et al: Snizhenie poroga chuvstvitel'nosti gipotalamo-gipofizarnoi sistemy k deistviu éstroge nov pod villaniem ékstrakta épiliza u starykh samok krys. Dokl Akad Nauk SSSR 213:483-5, 11 Nov 73 (Rus) AGE FACTORS/ ANIMAL EXPERIMENTS/ *DIETHYLSTILBESTROL, antagonists & inhibitors/ ESTRUS, drug effects/ FEMALE/ HYPERTROPHY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ OVARY, physiology/ *PINEAL BODY/ RATS/ *TISSUE EXTRACTS, pharmacodynamics
95. Anke M, Groppe B, Grün M: Manganmangel beim Wiederkäuer. 5. Der Einfluß des Mangangehalts auf den Mengen- und Spurenelementgehalt erwachsener weiblicher und männlicher Ziegen. Arch Tierernähr 23:483-500, Aug 73 (Ger) ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ COPPER, metabolism/ DEFICIENCY DISEASES, metabolism/ *DEFICIENCY DISEASES, veterinary/ *ELECTROLYTES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *GOATS/ MALE/ *MANGANESE, metabolism/ PHOSPHORUS, metabolism/ SEX FACTORS/ *TRACE ELEMENTS, metabolism/ ZINC, metabolism
96. Antón Tay F: Papel de la glandula pineal en la regulación endocrina. Rev Invest Clin 25:199-210, Jul-Sep 73 (Spa) ADULT/ AGED/ *BRAIN, drug effects/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ *MELATONIN, pharmacodynamics/ MELATONIN, therapeutic use/ MIDDLE AGE/ PARKINSONISM, drug therapy/ PINEAL BODY, drug effects/ *PINEAL BODY, physiology/ PLACEBOS/ TRITIUM
97. Antonsen BJ: Spesielle forhold ved behandling av asthma bronchiale hos barn. Tidsskr Nor Lægeforen 93:2032-5, 30 Sep 73 (Nor) ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ AMINOPHYLLINE, adverse effects/ *AMINOPHYLLINE, therapeutic use/ *ASTHMA, drug therapy/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ DRUG ABUSE, prevention & control/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ HUMAN/ INHALATION THERAPY/ SYMPATHOMIMETICS, adverse effects/ *SYMPATHOMIMETICS, therapeutic use
98. Anttonen VM, Karjalainen P, Raunio H, et al: Uptake of radioactive 85Sr by the spine in patients with untreated and treated hyperthyroidism. Ann Clin Res 5:225-30, Aug 73 ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, metabolism/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, urine/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ *HYPERTHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ PHOSPHATES, blood/ PHOSPHATES, urine/ *SPINE, metabolism/ *STRONTIUM RADIOISOTOPES, diagnostic use
99. Anuman-Rajadon Y: Estriol-creatinine ratio in normal pregnancy. J Med Assoc Thai 56:558-61, Sep 73

AUTHOR SECTION

- *CREATININE, urine/ *ESTRIOL, urine/
ESTROGENS, urine/ FEMALE/ HUMAN/
*PREGNANCY/ TIME FACTORS
100. Anya AO: The distribution and possible neuropharmacological significance of serotonin (5-hydroxytryptamine) in *Aspiculuris tetraptera* (nematoda). *Comp Gen Pharmacol* 4:149-56, Jun 73
ACETYLCHOLINE, metabolism/
ACETYLCHOLINESTERASE, metabolism/
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, THIN LAYER/
FEMALE/ HISTOCYTOCHEMISTRY/ MALE/
MONOAMINE OXIDASE, metabolism/
MUSCLES, enzymology/ NEMATODA, drug effects/ *NEMATODA, metabolism/
SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ SEX FACTORS/
SPECTROMETRY, FLUORESCENCE/ STAINS AND STAINING/ VAS DEFERENS, enzymology
101. Aono T, Minagawa J, Kinugasa T, et al: Response of pituitary LH and FSH to synthetic LH-releasing hormone in normal subjects and patients with Sheehan's syndrome.
Am J Obstet Gynecol 117:1046-52, 15 Dec 73
ENDOCRINE GLANDS, physiology/ FEMALE/
*FSH, blood/ HUMAN/ *HYPOPITUITARISM, blood/ HYPOPITUITARISM, physiology/
*LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MENSTRUATION/
OVULATION/ PITUITARY GLAND FUNCTION TESTS/ PREGNANCY/ *PUERPERAL DISORDERS, blood/ PUERPERAL DISORDERS, physiology/
RADIOIMMUNOASSAY/ SHEEHAN'S SYNDROME, blood/ SHEEHAN'S SYNDROME, physiology
102. Aonuma S, Mayumi T, Suzuki K, et al: Studies on sperm capacitation. I. The relationship between a guinea-pig sperm-coating antigen and a sperm capacitation phenomenon. *J Reprod Fertil* 35:425-32, Dec 73
ANIMAL EXPERIMENTS/
ANTIGEN-ANTIBODY REACTIONS/
*ANTIGENS, analysis/ BIOLOGICAL ASSAY/
EPIDIDYMIS/ ESTRADIOL, pharmacodynamics/
FEMALE/ FERTILIZATION/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GUINEA PIGS/
IMMUNOELECTROPHORESIS/
IMMUNOGLOBULINS/ IODINE RADIOISOTOPES/ MALE/ PROGESTERONE, pharmacodynamics/ RABBITS/ RABBITS, immunology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *SPERM CAPACITATION/
*SPERMATOZOA, immunology/ UTERUS, drug effects
103. Apekin VS, Moiseeva EB: Izmeneniia antigennogo sostava glpofiza bychka-krugliaka *Gobius melanostomus* v svyazi s polovym tsiklom. *Zh Evol Biokhim Fiziol* 9:56-64, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ *ANTIGENS, analysis/ ENGLISH ABSTRACT/ FEMALE/
FISHES, immunology/ *FISHES, physiology/
GEL DIFFUSION TESTS/ MALE/
*PITUITARY GLAND, immunology/
*REPRODUCTION
104. Apukhovskaya LI, Vendt VP: Issledovanie biologicheskoi aktivnosti produkta prevrashcheniya vitamina D3 v kostnoi tkani. *Prikl Biokhim Mikrobiol* 8:849-53, Nov-Dec 72 (Rus)
ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BONE AND BONES, metabolism/ CALCIUM, analysis/
CHICKENS, metabolism/ *CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ IN VITRO/
PHOSPHORUS, analysis/ TIBIA, analysis
105. Aquino HC, Luke RG: Respiratory compensation to potassium-depletion and chloride-depletion alkalosis. *Am J Physiol* 225:1444-8, Dec 73
ALKALOSIS, chemically induced/ ALKALOSIS, etiology/ *ALKALOSIS, metabolism/
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BICARBONATES, blood/
*CARBON DIOXIDE, blood/ *CHLORIDES, blood/ DESOXYCORTICOSTERONE/
FUROSEMIDE/ HYDROGEN-ION CONCENTRATION/ MALE/ MUSCLES, metabolism/ OXYGEN, blood/ POTASSIUM, blood/ *POTASSIUM DEFICIENCY, metabolism/ RATS/ REGRESSION ANALYSIS
106. Aral K, Yanalbara T, Okinaga S: [Evaluation of the method of determination of urinary and blood estrogen levels in pregnant patients by radioimmunoassay]. *Clin Endocrinol (Tokyo)* 21:863-6, Aug 73 (Jap)
ADULT/ *ESTROGENS, analysis/ ESTROGENS, blood/ ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *PREGNANCY/
*RADIOIMMUNOASSAY
107. Aranda A, Blázquez E, Herrera E: Liver components, blood glucose and ketone bodies in fed and starved suckling rats. *Horm Metab Res* 5:350-5, Sep 73
AGING/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, metabolism/ BODY WEIGHT/
COMPARATIVE STUDY/ DNA, metabolism/
FATTY ACIDS, metabolism/ FEMALE/
GLYCOGEN, metabolism/ KETONE BODIES, blood/ *KETONE BODIES, metabolism/
LACTATION/ LIVER, growth & development/
*LIVER, metabolism/ MALE/ ORGAN WEIGHT/ PREGNANCY/ RATS/
*STARVATION, metabolism/ TIME FACTORS
108. Aravitsky AN: Les problemes de la pathogenie dans la mycologie.
Int J Dermatol 12:366-71, Nov-Dec 73 (Fre)
ANIMAL EXPERIMENTS/
CHROMOBLASTOMYCOSIS, etiology/
CHROMOBLASTOMYCOSIS, pathology/
CHRONIC DISEASE/ CUSHING'S SYNDROME, complications/ ENGLISH ABSTRACT/ GUINEA PIGS/ HUMAN/ HYPERGLYCEMIA, complications/ LEPROSY, complications/
LEPTOTHRIX/ LYMPHATIC SYSTEM, immunology/ MONILIALES/ MONILIASIS, pathology/ *MYCOSES, etiology/ MYCOSES, immunology/ PHARYNGEAL DISEASES, etiology/ POSTOPERATIVE COMPLICATIONS/
TINEA, etiology/ TINEA FAVOSA, etiology/
TINEA FAVOSA, immunology/ TINEA UNGUIUM, etiology/ TINEA UNGUIUM, pathology/ TRICHOPHYTON
109. Arcangeli G, Friedman M, Paoluzzi R: A quantitative study of late radiation effect on normal skin and subcutaneous tissues in human beings.
Br J Radiol 47:44-50, Jan 74
*CONNECTIVE TISSUE, radiation effects/
DOSE-RESPONSE RELATIONSHIP, RADIATION/ ERYTHEMA, etiology/ HUMAN/
MALE/ PIGMENTATION, radiation effects/
*RADIATION INJURIES/ RADIOTHERAPY DOSAGE/ *SKIN, radiation effects/
TELANGIECTASIS, etiology/ TESTICULAR NEOPLASMS, radiotherapy/ TIME FACTORS
110. Arcq JC, Arcq A: Technique clinique de dosage de l'ode thyroïdienne.
Clin Chim Acta 48:287-9, 30 Oct 73 (Fre)
CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EVALUATION STUDIES/
HUMAN/ *IODINE, blood/ KINETICS/
METHODS/ SPECTROPHOTOMETRY/
*THYROXINE, blood/ TIME FACTORS
111. Ardabatskaya GA, Zarubina NA: Sostoiannie parodontia u bol'nykh sindromom Shereshevskogo-Ternera. *Stomatologiya (Mosk)* 52:33-6, Nov-Dec 73 (Rus)
ENGLISH ABSTRACT/ FEMALE/ GINGIVITIS/
HUMAN/ JAW DISEASES/ *ORAL MANIFESTATIONS/ OSTEOSCLEROSIS/
*PERIODONTAL DISEASES/ PERIODONTITIS/
TOOTH MOBILITY/ *TURNER'S SYNDROME
112. Ardamskiĭ NA, Belostechnaia NG, Kazarina VD, et al: Sopotavlenie deĭstviia strofantina-K, strofantoloin-atsetata i gidrokortizona na obmennye protsessy u bol'nykh revmatizmom. *Vrach Delo* 5:25-9, May 73 (Rus)
CARBOHYDRATES, metabolism/
*CARDANOLIDES, therapeutic use/
COMPARATIVE STUDY/ ENGLISH

AUTHOR SECTION

- ABSTRACT/ HUMAN/ *HYDROCORTISONE, therapeutic use/ *RHEUMATIC HEART DISEASE, drug therapy/ RHEUMATIC HEART DISEASE, metabolism/ *STROPHANTHIN, therapeutic use
113. Ardeleanu A, Sterescu N: Some aspects of cerebral protein metabolism in relation to age and species. Hormonal influences. Rev Roum Physiol 10:369-77, 1973
AGE FACTORS/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ *BRAIN, metabolism/ DNA, metabolism/ GUINEA PIGS/ HYDROCORTISONE, pharmacodynamics/ PHOSPHORUS, metabolism/ *PROTEINS, metabolism/ RATS/ RNA, metabolism/ SPECIES SPECIFICITY
 114. Ardeleanu A, Sterescu N: Some metabolic effects of nialamide on the central nervous system in infant rats. Rev Roum Physiol 10:471-7, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *CENTRAL NERVOUS SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, metabolism/ *ENDOCRINE GLANDS, metabolism/ *NIALAMIDE, pharmacodynamics/ *PHOSPHOLIPIDS, metabolism/ RATS
 115. Arendshorst WJ, Johnston PA, Selkurt EE: Effect of prostaglandin E1 on renal hemodynamics in nondiuretic and volume-expanded dogs. Am J Physiol 226:218-25, Jan 74
AMINOHIPURIC ACID, diagnostic use/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ DIURESIS/ DOGS/ DYE DILUTION TECHNIC/ EXTRACELLULAR SPACE/ FEMALE/ FIBER OPTICS/ KIDNEY, blood supply/ *KIDNEY, drug effects/ KIDNEY CORTEX, blood supply/ KIDNEY MEDULLA, blood supply/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ VASCULAR RESISTANCE, drug effects/ WATER DEPRIVATION
 116. Argenzio RA, Lowe JE, Hintz HF, et al: Calcium and phosphorus homeostasis in horses. J Nutr 104:18-27, Jan 74
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ BONE AND BONES, metabolism/ CALCIUM/ CALCIUM, blood/ CALCIUM, diagnostic use/ *CALCIUM, metabolism/ CALCIUM, DIETARY, administration & dosage/ EDTA/ FEMALE/ HOMEOSTASIS/ HORSE DISEASES, diagnosis/ HORSES/ HYPERCALCEMIA, blood/ HYPERCALCEMIA, chemically induced/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, veterinary/ HYPERPLASIA/ HYPOCALCEMIA, blood/ HYPOCALCEMIA, chemically induced/ MALE/ PARATHYROID GLANDS, physiology/ PHOSPHORUS, administration & dosage/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ *THYROID GLAND, physiology/ THYROIDECTOMY
 117. Ariyoshi Y, Plager J, Matsui N: The influence of cortisol on 2-deoxyglucose penetration and phosphorylation by the mouse ear strip preparation. Acta Endocrinol (Kbh) 74:723-31, Dec 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CELL MEMBRANE PERMEABILITY, drug effects/ CHROMATOGRAPHY, PAPER/ DEPRESSION, CHEMICAL/ EAR, EXTERNAL, metabolism/ *GLUCOSE, metabolism/ *GLUCOSEPHOSPHATES, metabolism/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ MALE/ MICE/ STIMULATION, CHEMICAL/ TIME FACTORS
 118. Arkin R, Shafer AD: Torsion of an intraabdominal testicle in a neonate. J Pediatr Surg 8:551-2, Aug 73
*CRYPTORCHISM, radiography/ GANGRENE, etiology/ HEMORRHAGE, etiology/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, complications/ *INFANT, NEWBORN, DISEASES, radiography/ INFANT, NEWBORN, DISEASES, surgery/ MALE/ NECROSIS, etiology/ ORCHITIS, etiology/ SPERMATIC CORD TORSION, complications/ *SPERMATIC CORD TORSION, radiography/ SPERMATIC CORD TORSION, surgery/ VOMITING, etiology
 119. Armbruster H, Vetter W, Beckerhoff R, et al: Episodische Cortisolsekretion bei Cushing-Syndrom. Klin Wochenschr 51:1025-6, 15 Oct 73 (Ger)
CIRCADIAN RHYTHM/ *CUSHING'S SYNDROME, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ MIDDLE AGE
 120. Armendares S, Buentello L, Frenk S: Two male sibs with uterus and Fallopian tubes. A rare, probably inherited disorder. Clin Genet 4:291-6, 1973
CHILD, PRESCHOOL/ CRYPTORCHISM, familial & genetic/ EPIDIDYMIS, pathology/ FALLOPIAN TUBES, pathology/ FALLOPIAN TUBES, surgery/ GONADS, surgery/ HUMAN/ HYSTERECTOMY/ MALE/ PEDIGREE/ PHENOTYPE/ *PSEUDOHERMAPHRODITISM, familial & genetic/ PSEUDOHERMAPHRODITISM, pathology/ PSEUDOHERMAPHRODITISM, therapy/ SCROTUM, abnormalities/ TESTIS, pathology/ UTERUS, pathology/ VAS DEFERENS, pathology/ VASECTOMY
 121. Arnett FC, Whelton JC, Zizic TM, et al: Methotrexate therapy in polymyositis. Ann Rheum Dis 32:536-46, Nov 73
ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ALANINE AMINOTRANSFERASE, blood/ ALDOLASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BIOPSY/ CREATINE KINASE, blood/ *DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, enzymology/ FEMALE/ HUMAN/ LACTATE DEHYDROGENASE, blood/ LUNG, pathology/ MALE/ METHOTREXATE, administration & dosage/ METHOTREXATE, adverse effects/ *METHOTREXATE, therapeutic use/ MIDDLE AGE/ *MUSCULAR DISEASES, drug therapy/ MUSCULAR DISEASES, enzymology/ MYOSITIS, complications/ MYOSITIS, drug therapy/ PNEUMONIA, chemically induced/ PNEUMONIA, pathology/ PNEUMONIA, radiography/ PREDNISONE, therapeutic use/ SCLERODERMA, systemic, complications/ SCLERODERMA, systemic, drug therapy
 122. Arnold W, Bender E: Mesotheliome beim Goldhamster. 3. Etablierung von Transplantationslinien in soliden und Aszitesform. Arch Geschwulstforsch 42:107-19, 1973 (Ger)
ANIMAL EXPERIMENTS/ ASCITES/ ENGLISH ABSTRACT/ FEMALE/ *HAMSTERS/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ MALE/ MESOTHELIOMA, pathology/ *MESOTHELIOMA, veterinary/ NEOPLASM METASTASIS/ *NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, pathology/ *NEOPLASMS, EXPERIMENTAL, veterinary/ *RODENT DISEASES, pathology/ THYMUS NEOPLASMS, pathology/ TRANSPLANTATION, HOMOLOGOUS
 123. Aro A: T3-hypertyreosis. Duodecim 89:1406-8, Jul 73 (Fin)
HUMAN/ *HYPERTHYROIDISM, blood/ THYROID GLAND FUNCTION TESTS/ *TRIIODOTHYRONINE, blood
 124. Arrhenbrecht S, Sorkin E: Growth hormone-induced T cell differentiation. Eur J Immunol 3:601-4, Sep 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ ANTIBODY PRODUCING CELLS, immunology/ ANTIGENS/ BONE MARROW CELLS, transplantation/ CATTLE, immunology/ CELL DIFFERENTIATION, drug effects/ DINITROPHENOLS/ ERYTHROCYTES,

AUTHOR SECTION

- Immunology/ GAMMA GLOBULIN/
HEMOLYTIC PLAQUE TECHNIC/
HYDROCORTISONE/ IMMUNIZATION/ LYMPH
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*SOMATOTROPIN, pharmacodynamics/
SPLEEN, cytology/ THYMECTOMY/ THYMUS
GLAND, cytology/ THYROXINE,
pharmacodynamics
125. Artem'eva NS: Reaktsia laichnika na povrezhdenie.
Akush Ginekol (Mosk) 49:34-8, Aug 73 (Rus)
ADAPTATION, PHYSIOLOGICAL/ ANIMAL
EXPERIMENTS/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ FEMALE/ GUINEA
PIGS/ HYPERTROPHY, physopathology/
MACULA LUTEA, physopathology/ MICE/
MONKEYS/ *OVARY, injuries/ OVARY,
physopathology/ RABBITS/ RATS/
REGENERATION
126. Arturson G, Jonsson CE: Effects of indomethacin on
the transcapillary leakage of macromolecules and the
efflux of prostaglandins in the paw lymph following
experimental scalding injury.
Ups J Med Sci 78:181-8, Jul 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT, drug effects/ BLOOD
PROTEINS/ BURNS, drug therapy/ *BURNS,
metabolism/ *CAPILLARY PERMEABILITY,
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DEXTRAN, blood/ DEXTRAN, metabolism/
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pharmacodynamics/ INDOMETHACIN,
therapeutic use/ LYMPH, drug effects/
*LYMPH, metabolism/ MACROMOLECULAR
SYSTEMS/ PROSTAGLANDINS, biosynthesis/
*PROSTAGLANDINS, metabolism
127. Ascarl E, Gamba G, Molinari E, et al: La sindrome
carcinoma midollare della tiroide, feocromocitoma e
neuromi mucosi multipli. Contributo casistico.
Minerva Med 64:4418-29, 21 Nov 73 (Ita)
ADENOMATOSIS, FAMILIAL ENDOCRINE,
diagnosis/ ADULT/ *CARCINOMA,
complications/ DIAGNOSIS, DIFFERENTIAL/
ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC
METASTASIS/ MALE/ *NEOPLASMS,
MULTIPLE PRIMARY/ *NEUROMA,
complications/ PARATHYROID NEOPLASMS,
complications/ *PHEOCHROMOCYTOMA,
complications/ *THYROID NEOPLASMS,
complications/ THYROID NEOPLASMS,
diagnosis
128. Ashkar E: Effects of bilateral splanchnicectomy on
circulation during exercise in dogs.
Acta Physiol Lat Am 23:171-7, 1973
*ADRENAL MEDULLA, physiology/ ANIMAL
EXPERIMENTS/ BLOOD FLOW VELOCITY/
BLOOD PRESSURE/ CARDIAC OUTPUT/
DENERVATION/ DOGS/ *EXERTION/
FEMALE/ HEART RATE/ *HEMODYNAMICS/
MALE/ *SPLANCHNIC NERVES, physiology/
VASCULAR RESISTANCE/ *VASOMOTOR
SYSTEM, physiology
129. Ashkenazi R, Holman RB, Vogt M: Release of
transmitters into the perfused third cerebral
ventricle of the cat.
J Physiol (Lond) 233:195-209, Aug 73
*ACETYLCHOLINE, secretion/ ANIMAL
EXPERIMENTS/ BRAIN, secretion/ CATS/
*CEREBRAL VENTRICLES, physiology/
DIBENZAZEPINES, pharmacodynamics/
ELECTRIC STIMULATION/ FEMALE/
INJECTIONS, INTRAPERITONEAL/
INJECTIONS, INTRAVENOUS/ MALE/
NEOSTIGMINE, pharmacodynamics/
PERFUSION/ *SEROTONIN, secretion/
SYMPATHOMIMETICS
130. Asole F, Nuzzo G: Il reticulosarcoma primitivo del
testicolo. Contributo clinico.
Minerva Chir 28:1197-206, 15 Sep 73 (Ita)
ADULT/ HUMAN/ MALE/ SARCOMA,
RETICULUM CELL, diagnosis/ SARCOMA,
RETICULUM CELL, pathology/ SARCOMA,
RETICULUM CELL, radiotherapy/ SARCOMA,
RETICULUM CELL, surgery/ *SARCOMA,
RETICULUM CELL, therapy/ TESTICULAR
NEOPLASMS, diagnosis/ TESTICULAR
NEOPLASMS, pathology/ TESTICULAR
NEOPLASMS, radiotherapy/ TESTICULAR
NEOPLASMS, surgery/ *TESTICULAR
NEOPLASMS, therapy
131. Assem ES, Schild HO, Wan BY: Proceedings: The effect
of an H2-receptor antagonist on histamine-stimulated
acid secretion by rat stomach in vitro.
J Physiol (Lond) 234:75P-76P, Oct 73
ANIMAL EXPERIMENTS/
ANTI-HISTAMINICS, pharmacodynamics/
CAFFEINE, pharmacodynamics/ *GASTRIC
JUICE, secretion/ HISTAMINE,
pharmacodynamics/ IMIDAZOLES,
pharmacodynamics/ IN VITRO/
ISOPROTERENOL, pharmacodynamics/
PENTAGASTRIN, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/ RATS/
RESERPINE, pharmacodynamics/ SECRETORY
RATE, drug effects/ STIMULATION,
CHEMICAL/ *THIOUREA, pharmacodynamics
132. Astedt B, Isaacson S, Nilsson IM, et al: Thrombosis and
oral contraceptives: possible predisposition.
Br Med J 4:631-4, 15 Dec 73
ADULT/ ANTITHROMBIN, analysis/ BIOPSY/
BLOOD COAGULATION FACTORS, analysis/
BLOOD COAGULATION TESTS/ BLOOD
PLATELETS/ *CONTRACEPTIVES, ORAL,
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FIBRINOLYSIS/ HAND/
HISTOCYTOCHEMISTRY/ HUMAN/
PHLEBOGRAPHY/ PLATELET
ADHESIVENESS/ PROTHROMBIN TIME/
*THROMBOPHLEBITIS, chemically induced/
VEINS, analysis
133. Astle L, Cooper C: Relationship of sidedness of
mitochondrial inner membrane vesicles to their
enzymic properties. Biochemistry 13:154-60, 1 Jan 74
ADENOSINE TRIPHOSPHATE, metabolism/
ANIMAL EXPERIMENTS/ CENTRIFUGATION,
DENSITY GRADIENT/ COMPARATIVE
STUDY/ DIGITONIN, pharmacodynamics/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ EVALUATION STUDIES/ IODINE,
pharmacodynamics/ IODINE RADIOISOTOPES/
*LIVER, cytology/ MEMBRANES, drug effects/
MEMBRANES, enzymology/ MEMBRANES,
metabolism/ MEMBRANES, physiology/
MITOCHONDRIA, LIVER, drug effects/
*MITOCHONDRIA, LIVER, enzymology/
MITOCHONDRIA, LIVER, metabolism/
MITOCHONDRIA, LIVER, physiology/
OXIDATIVE PHOSPHORYLATION, drug
effects/ PEROXIDASES, pharmacodynamics/
RATS/ SPECTROMETRY/ FLUORESCENCE/
SUCCINATES, metabolism/ ULTRASONICS
134. Atagimov MZ: Morphogenez fetal'noi kory
nadpochenika u plodov svin'i v svyazi s razvitiem
adenogipofiza.
Arkh Anat Gistol Embriol 65:34-9, Sep 73 (Rus)
ADRENAL GLANDS, anatomy & histology/
ADRENAL GLANDS, cytology/ *ADRENAL
GLANDS, embryology/ ANIMAL
EXPERIMENTS/ BASOPHILS, metabolism/
CELL DIFFERENTIATION/ CORTICOTROPIN,
metabolism/ ENGLISH ABSTRACT/ FEMALE/
PITUITARY GLAND, anatomy & histology/
PITUITARY GLAND, cytology/ *PITUITARY
GLAND, embryology/ PREGNANCY/ SWINE
135. Atakhanova BA, Turakulov IaKh: Issledovanie vliyania
tiroidnykh gormonov i iodida na sintez belka v
beskletchnoi poliribosomal'noi sisteme
shchitovidnoi zhelezy.
Probl Endokrinol (Mosk) 19:111-3, Nov-Dec 73 (Rus)
AMINO ACIDS/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/ CATTLE/
CELL-FREE SYSTEM, metabolism/ ENGLISH
ABSTRACT/ *IODIDES, pharmacodynamics/
*PROTEINS, biosynthesis/ *RIBOSOMES,
metabolism/ *SUBCELLULAR FRACTIONS,
metabolism/ *THYROID GLAND, metabolism/
*THYROID HORMONES, pharmacodynamics
136. Atger M, Baulieu EE, Milgrom E: An investigation of

AUTHOR SECTION

- progesterone receptors in guinea pig vagina, uterine cervix, mammary glands, pituitary and hypothalamus. *Endocrinology* 91:161-7, Jan 74
- ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ CERVIX UTERI, cytology/ *CERVIX UTERI, metabolism/ CHARCOAL/ CYTOSOL, metabolism/ FEMALE/ GEL FILTRATION/ GUINEA PIGS/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, metabolism/ MAMMAE, cytology/ *MAMMAE, metabolism/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, metabolism/ PREGNENOLONE, metabolism/ *PROGESTERONE, metabolism/ *RECEPTORS, HORMONE, drug effects/ TRITIUM/ VAGINA, cytology/ *VAGINA, metabolism
137. Atkinson JM, Dusting GJ, Rand MJ: Acidaemia produced by spinal stimulation in the pithed rat. *J Physiol (Lond)* 234:229-40, Oct 73
 *ACIDOSIS, physiopathology/ ADRENAL MEDULLA, physiology/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ALCOHOL, PROPYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD/ CATECHOLAMINES, physiology/ CHORDOTOMY/ ELECTRIC STIMULATION/ FEMALE/ GALLAMINE TRIETHIODIDE, pharmacodynamics/ GUANETHIDINE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ MALE/ MUSCLE CONTRACTION, drug effects/ NERVE ENDINGS, physiology/ NOREPINEPHRINE, physiology/ PHENOXYBENZAMINE, pharmacodynamics/ RATS/ *SPINAL NERVES, physiology/ SYMPATHETIC NERVOUS SYSTEM, physiology
 138. Atkinson M, Hartley D, Lunts LH, et al: Saligenin analogs of L-DOPA and dl-alpha-methyl-DOPA. *J Med Chem* 17:248-9, Feb 74
 ALCOHOL, METHYL, chem synthesis/ ALCOHOL, METHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIPARKINSON DRUGS, chem synthesis/ ANTIPARKINSON DRUGS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ DESOXYCORTICOSTERONE, antagonists & inhibitors/ *DOPA, pharmacodynamics/ DOPA DECARBOXYLASE, metabolism/ GUINEA PIGS/ HALOPERIDOL, antagonists & inhibitors/ KIDNEY, enzymology/ *METHYLDOPA, pharmacodynamics/ *METHYLTYROSINES, chem synthesis/ METHYLTYROSINES, pharmacodynamics/ MICE/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ *TYROSINE, chem synthesis/ TYROSINE, pharmacodynamics
 139. Atkinson PJ, Hancock DA, Acharya VN, et al: Changes in skeletal mineral in patients on prolonged maintenance dialysis. *Br Med J* 4:519-22, 1 Dec 73
 ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ *BONE RESORPTION, etiology/ CALCIUM, blood/ CALCIUM, metabolism/ CHOLECALCIFEROL, metabolism/ FEMALE/ *HEMODIALYSIS/ HUMAN/ KIDNEY, transplantation/ MALE/ MIDDLE AGE/ *PERITONEAL DIALYSIS/ PHOSPHORUS, blood/ UREA, blood/ *VITAMIN D, therapeutic use
 140. Attallah AA, Lee JB: Radioimmunoassay of prostaglandin A. Intrarenal PGA2 as a factor mediating saline-induced natriuresis. *Circ Res* 33:696-703, Dec 73
 ABSORPTION/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CROSS REACTIONS/ DIET, SALT-FREE/ INDOMETHACIN, pharmacodynamics/ KIDNEY, analysis/ KIDNEY, blood supply/ *KIDNEY, metabolism/ KIDNEY CORTEX, metabolism/ KIDNEY MEDULLA, metabolism/ METHODS/ *NATRIURESIS, drug effects/ POTASSIUM, urine/ PROTAGLANDINS, analysis/ *PROTAGLANDINS, metabolism/ RABBITS/ RADIOIMMUNOASSAY/ REGIONAL BLOOD FLOW/ SODIUM, metabolism/ SODIUM, urine/ SODIUM CHLORIDE, administration & dosage/ TRITIUM
 141. Atwal OS, Wilson T: Parathyroid gland changes following ozone inhalation: a morphologic study. *Arch Environ Health* 28:91-100, Feb 74
 ANIMAL EXPERIMENTS/ ATMOSPHERE EXPOSURE CHAMBERS/ CELLULAR INCLUSIONS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ ENVIRONMENTAL EXPOSURE/ FEMALE/ GOLGI APPARATUS/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *OZONE, toxicity/ PARATHYROID GLANDS, drug effects/ *PARATHYROID GLANDS, pathology/ RABBITS/ RIBOSOMES/ STAINS AND STAINING
 142. Aubert P, Laine J, Wolf B, et al: Une forme myopathique d'hyperparathyroïdisme. *Ann Med Interne (Paris)* 124:453-8, May 73 (Fre)
 AGED/ CALCIUM, blood/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ *MUSCULAR DISEASES, etiology/ PHOSPHORUS, blood/ POTASSIUM, blood
 143. Auerbach R: Letter: Topical application of cyclic AMP in psoriasis. *JAMA* 227:326-7, 21 Jan 74
 *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ADMINISTRATION, TOPICAL/ HUMAN/ *PSORIASIS, drug therapy
 144. Auerbach R, Shalaby MR: Graft-vs.-host reaction in tissue culture. *J Exp Med* 138:1506-20, 1 Dec 73
 AMANTADINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION, drug effects/ BONE MARROW CELLS, immunology/ CORTISONE, pharmacodynamics/ CULTURE MEDIA/ *GRAFT VS HOST REACTION/ IMMUNOSUPPRESSION/ LEUCINE, metabolism/ LYMPHOCYTES, immunology/ LYMPHOID TISSUE, cytology/ LYMPHOID TISSUE, immunology/ MICE/ MICE, INBRED BALB C/ MICE, INBRED DBA/ MITOMYCIN, pharmacodynamics/ *SPLEEN, immunology/ SPLEEN, metabolism/ SPLEEN, radiation effects/ THYMUS GLAND, immunology/ *TISSUE CULTURE/ TRITIUM
 145. Augustin HJ, Kapaun W, Kötter C: Der Einfluss von Testosteron auf die Anämie bei terminaler Niereninsuffizienz. *Dtsch Med Wochenschr* 98:2119-22, 9 Nov 73 (Ger)
 ADULT/ *ANEMIA, drug therapy/ ANEMIA, etiology/ BLOOD TRANSFUSION/ CREATININE, blood/ ENGLISH ABSTRACT/ ERYTHROCYTE COUNT/ ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, blood/ HEMATOCRIT/ HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ NEPHRECTOMY/ OSMOTIC FRAGILITY/ RETICULOCYTES/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, therapeutic use
 146. Aunis D, Miras-Portugal MT, Mandel P: Inhibition of adrenal dopamine-beta-hydroxylase by 6-hydroxy dopamine. *Biochem Pharmacol* 22:2581-9, 15 Oct 73
 *ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CATALASE, pharmacodynamics/ CATTLE/ CHROMAFFIN SYSTEM, metabolism/ DEPRESSION, CHEMICAL/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ DOPAMINE BETA HYDROXYLASE, metabolism/ HYDROGEN PEROXIDE, metabolism/ HYDROXYDOPAMINE, antagonists & inhibitors/ *HYDROXYDOPAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ PROTEINS, metabolism/ SERUM ALBUMIN, BOVINE, pharmacodynamics/ TIME FACTORS/ TYRAMINE, metabolism

AUTHOR SECTION

147. Auquier L, Paolaggi JB, Slaud JR, et al: Syndrome de Fanconi Debré de Toni réversible de l'adulte d'origine médicamenteuse (méthyl-3-chromone). Nouv Presse Med 2:2678-81, 10 Nov 73 (Fre)
AMINO ACIDS, analysis/ ASTHENIA, etiology/ BIOPSY/ *CHROMONES, adverse effects/ CHROMONES, therapeutic use/ *FANCONI SYNDROME, chemically induced/ FEMALE/ HUMAN/ MIDDLE AGE/ *MYOCARDIAL INFARCT, drug therapy/ OSTEOMALACIA, pathology/ PAIN/ PHOSPHORUS, blood/ PHOSPHORUS, urine
148. Autio S, Nordén NE, Ockerman PA, et al: Mannosidosis: clinical, fine-structural and biochemical findings in three cases. Acta Paediatr Scand 62:555-65, Nov 73
ABNORMALITIES, MULTIPLE/ ACID PHOSPHATASE, metabolism/ BONE AND BONES, abnormalities/ *CARBOHYDRATE METABOLISM, INBORN ERRORS, enzymology/ CARBOHYDRATE METABOLISM, INBORN ERRORS, pathology/ CARBOHYDRATES, urine/ *CELLULAR INCLUSIONS/ CHILD/ CHILD, PRESCHOOL/ CORNEAL OPACITY/ FACE/ GALACTOSIDASE, metabolism/ GEL FILTRATION/ GLUCURONIDASE, metabolism/ *HEXOSAMINIDASES, metabolism/ HUMAN/ LEUKOCYTE COUNT/ *LIVER, enzymology/ LIVER, pathology/ LYMPHOCYTES/ MALE/ *MANNOSIS, metabolism/ *MENTAL RETARDATION/ MICROSCOPY, ELECTRON
149. Ayala LA, EgdaHL RH: Proceedings: Management of pheochromocytoma: an overview of current diagnosis and treatment. Proc Natl Cancer Conf 7:529-35, 1973
ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/ AORTOGRAPHY/ EPINEPHRINE, blood/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, blood/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, surgery/ VANILMANDELIC ACID, urine
150. Ayalon N, Shemesh M: Pro-oestrous surge in plasma progesterone in the cow. J Reprod Fertil 36:239-43, Jan 74
ANIMAL EXPERIMENTS/ CATTLE/ ESTRADIOL, blood/ *ESTRUS/ FEMALE/ LACTATION/ PREGNANCY/ *PROGESTERONE, blood/ TIME FACTORS
151. Aznar Reig A, Palma Alvarez A, Vivancos Escobar J: Las modificaciones de la fosfatúria, fosfatemia y calcúria en la desmineralización ósea después de la sobrecarga oral de fósforo. Rev Clin Esp 130:403-16, 15 Sep 73 (Spa)
AGED/ *CALCIUM, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOMALACIA, blood/ *OSTEOMALACIA, metabolism/ OSTEOMALACIA, therapy/ OSTEOMALACIA, urine/ OSTEOPOROSIS, blood/ OSTEOPOROSIS, drug therapy/ *OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, urine/ PHOSPHORUS, blood/ *PHOSPHORUS, metabolism/ PHOSPHORUS, therapeutic use/ PHOSPHORUS, urine/ TIME FACTORS
152. Azoury RS, Jubayil NW, Barakat BY: Dermoid cyst of ovary containing fetus-like structure. Obstet Gynecol 42:887-91, Dec 73
ADULT/ BONE AND BONES, embryology/ BONE AND BONES, radiography/ CARTILAGE, embryology/ CARTILAGE, pathology/ CHOROID PLEXUS, embryology/ CHOROID PLEXUS, pathology/ DERMOID CYST, embryology/ DERMOID CYST, pathology/ *DERMOID CYST, radiography/ DERMOID CYST, surgery/ FEMALE/ FETUS, pathology/ *FETUS, radiography/ FETUS, surgery/ HUMAN/ OVARIAN NEOPLASMS, embryology/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, radiography/ OVARIAN NEOPLASMS, surgery/ PREGNANCY/ RETINAL PIGMENTS/ SEX CHROMATIN/ SPINE, embryology/ SPINE, pathology
153. Azumi T: [Some observations on the mechanism of increase of plasma renin activity in hyperthyroidism (author's transl)] Jap J Nephrol 15:401-13, May 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, enzymology/ ISOPROTERENOL, pharmacodynamics/ MALE/ MIDDLE AGE/ RABBITS/ *RENIN, blood/ THYROIDINE, pharmacodynamics/ VANILMANDELIC ACID, urine
154. Azzaro AJ, Rutledge CO: Selectivity of release of norepinephrine, dopamine and 5-hydroxytryptamine by amphetamine in various regions of rat brain. Biochem Pharmacol 22:2801-13, 15 Nov 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ DEAMINATION/ *DEXTRO AMPHETAMINE, pharmacodynamics/ *DOPAMINE, metabolism/ DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ MALE/ MEDULLA OBLONGATA, metabolism/ NERVE TISSUE PROTEINS, metabolism/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ TRITIUM

B

155. Baatz H: Zur Moorthérapie bei Sterilität aufgrund vegetativer und generativer Ovarialinsuffizienz. Ther Ggw 112:1602-19, Oct 73 (Ger)
ADULT/ FEMALE/ HUMAN/ *MUD THERAPY/ OVARIAN DISEASES, complications/ STERILITY, FEMALE, etiology/ *STERILITY, FEMALE, therapy
156. Babadzhanova Siu, Burleva SM: Funktsional'noe sostoianie glipoflza i kory nadpochechnikov pri tireotoksikoze do lecheniia i v dinamike radioiodterapii. Probl Endokrinol (Mosk) 19:17-20, Nov-Dec 73 (Rus)
ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, metabolism/ *IODINE RADIOISOTOPES, therapeutic use/ PITUITARY GLAND, metabolism/ *PITUITARY GLAND, physiopathology
157. Babatunde AO: A true hermaphrodite intersex. A case report. Niger Nurse 5:24-8, Apr-Jun 73
HERMAPHRODITISM, surgery/ HYSTERECTOMY/ MASTECTOMY/ SPECIAL LIST NURSING
158. Back DJ: Proceedings: The passage of (3H) testosterone into the cauda epididymidis of the rat. J Reprod Fertil 35:586-7, Dec 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ *EPIDIDYMIS, metabolism/ MALE/ RATS/ STANOLONE, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ TRITIUM
159. Bäckström L: Environment and animal health in piglet production. A field study of incidences and correlations. Acta Vet Scand [Suppl] 1:240, 1973
ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMALS, NEWBORN/ BREEDING/ *ENVIRONMENT/ FEMALE/ FETAL DEATH, veterinary/ HEATING/ *HOUSING, ANIMAL/ HUMIDITY/ HYGIENE/ LACTATION/ MALE/ MORBIDITY/ PREGNANCY/ *PREGNANCY, ANIMAL/ QUESTIONNAIRES/ SEASONS/ SWEDEN/ *SWINE/ SWINE DISEASES, drug

AUTHOR SECTION

- therapy/ SWINE DISEASES, mortality/
TEMPERATURE/ VENTILATION/ WEANING
160. Baczynskyj L, Duchamp DJ, Zieserl JF Jr, et al:
Computerized quantitation of drugs by gas
chromatography-mass spectrometry.
Anal Chem 45:479-82, Mar 73
*CHROMATOGRAPHY, GAS/ *COMPUTERS,
DIGITAL/ DEUTERIUM/ ESTERS, analysis/
METHODS/ METHYLTESTOSTERONE,
analysis/ MICROCHEMISTRY/
*PROSTAGLANDINS, analysis/ *SPECTRUM
ANALYSIS, MASS -
 161. Baden M, Bauer CR, Colle E, et al: Plasma
corticosteroids in infants with the respiratory
distress syndrome. Pediatrics 52:782-7, Dec 73
*ADRENAL CORTEX HORMONES, blood/
ADRENAL GLANDS, physiology/ AGE
FACTORS/ APGAR SCORE/ BLOOD/ CARBON
DIOXIDE, blood/ CORTICOSTERONE, blood/
CORTISONE, blood/
DESOXYCORTICOSTERONE, blood/
GESTATIONAL AGE/ HUMAN/
HYDROCORTISONE, blood/ HYDROGEN-ION
CONCENTRATION/ INFANT, NEWBORN/
OXYGEN, blood/ PROTEIN BINDING/
PULMONARY ALVEOLI, blood supply/
RESPIRATION/ *RESPIRATORY DISTRESS
SYNDROME, blood/ TIME FACTORS
 162. Badlu G: Genetic-epidemiological studies of muscular
dystrophy on a sample of population in Romania. I.
Incidence of disease, genetic transmission, sporadic
factor, sex involvement, gene manifestations in
heterozygotes, onset in muscular dystrophy.
Rev Roum Neurol 10:519-30, 1973
AGE FACTORS/ FEMALE/ GENES/
HETEROZYGOTE/ HUMAN/ KARYOTYPING/
MALE/ *MUSCULAR DYSTROPHY, familial &
genetic/ MUSCULAR DYSTROPHY,
occurrence/ PEDIGREE/ RUMANIA/ SEX
CHROMOSOMES/ SEX FACTORS
 163. Bagramian ER: Gormonal'nala funktsia platsenty.
Sov Med 35:66-71, Dec 72 (36 ref.) (Rus)
ESTROGENS, biosynthesis/ ESTROGENS,
physiology/ FEMALE/ GONADOTROPINS,
CHORIONIC, biosynthesis/ GONADOTROPINS,
CHORIONIC, metabolism/ HUMAN/
*PLACENTA, secretion/ *PLACENTAL
HORMONES, secretion/ PLACENTAL
LACTOGEN, biosynthesis/ PLACENTAL
LACTOGEN, metabolism/ PREGNANCY/
PROGESTERONE, biosynthesis/
PROGESTERONE, physiology/ RELAXIN,
physiology/ REVIEW
 164. Bagshaw MA, Ray GR: Proceedings: Prostate
carcinoma: external irradiation as definitive
treatment. Proc Natl Cancer Conf 7:761-7, 1973
ADULT/ AGED/ CALIFORNIA/ FOLLOW-UP
STUDIES/ HUMAN/ IMPOTENCE/ MALE/
MIDDLE AGE/ PROSTATIC NEOPLASMS,
drug therapy/ PROSTATIC NEOPLASMS,
mortality/ *PROSTATIC NEOPLASMS,
radiotherapy/ SEX HORMONES, therapeutic
use
 165. Baguet F, Dumont G: The muscular membrane and the
relaxation effect of serotonin in a Lamellibranch
smooth muscle (ABRM).
Arch Int Physiol Biochim 81:769-70, Oct 73
ANIMAL EXPERIMENTS/ CALCIUM,
pharmacodynamics/ CELL MEMBRANE, drug
effects/ EDTA, pharmacodynamics/
GLYCERIN/ IN VITRO/ MOLLUSCA/
MUSCLE CONTRACTION, drug effects/
*MUSCLE, SMOOTH, drug effects/ MUSCLE,
SMOOTH, metabolism/ *SEROTONIN,
pharmacodynamics/ SURFACE-ACTIVE
AGENTS, pharmacodynamics
 166. Baler H: Panmyelophthase als Folge einer Behandlung
der primär-chronischen Polyarthritits mit Gold und
d-Penizillamin.
Schweiz Med Wochenschr 103:1849-52, 22 Dec 73 (Ger)
*ANEMIA, MYELOPHTHISIC, chemically
induced/ ANEMIA, MYELOPHTHISIC, drug
therapy/ *ARTHRITIS, RHEUMATOID, drug
therapy/ AUROTHIOGLUCOSE,
adverse effects/ BONE MARROW, analysis/
BONE MARROW EXAMINATION/ CHRONIC
DISEASE/ ENGLISH ABSTRACT/ FEMALE/
*GOLD, adverse effects/ GOLD, analysis/
HEMATOPOIETIC SYSTEM, drug effects/
HUMAN/ LIVER, analysis/
METHYLPREDNISOLONE, therapeutic use/
MIDDLE AGE/ *PENICILLAMINE, adverse
effects/ SPLEEN, analysis
 167. Balle CA, Forbes JM: Proceedings: Diffusion of
noradrenaline between hypothalamus and cerebral
ventricles of sheep.
J Physiol (Lond) 234:44P-46P, Oct 73
ANIMAL EXPERIMENTS/ CARBON
ISOTOPES/ *CEREBRAL VENTRICLES,
metabolism/ CISTERNA MAGNA, metabolism/
DIFFUSION/ FEEDING BEHAVIOR, drug
effects/ *HYPOTHALAMUS, metabolism/
INJECTIONS/ NOREPINEPHRINE,
administration & dosage/ *NOREPINEPHRINE,
metabolism/ SHEEP
 168. Baller P: Relativer Östrogenmangel durch
Ovulationshemmer.
Dtsch Med Wochenschr 98:2162, 9 Nov 73 (Ger)
*CONTRACEPTIVES, ORAL, adverse effects/
DEFICIENCY DISEASES, chemically induced/
DEFICIENCY DISEASES, drug therapy/
*ESTROGENS/ FEMALE/ HUMAN/
LYNESTRENOL, therapeutic use/
MESTRANOL, therapeutic use
 169. Bailey GS, Dixon GH: Histone H1 from rainbow trout.
Comparison in amino acid sequence with calf thymus
H1B1. J Biol Chem 248:5463-72, 10 Aug 73
ACYLATION/ AMINO ACID SEQUENCE/
AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, ION EXCHANGE/
CHYMOTRYPSIN/ COMPARATIVE STUDY/
DANSYL COMPOUNDS/ ELECTROPHORESIS,
PAPER/ EVOLUTION/ GEL FILTRATION/
*HISTONES/ MALE/ MALEATES/ PEPTIDE
FRAGMENTS, analysis/ SALMONIDAE/
SPECIES SPECIFICITY/
SPECTROPHOTOMETRY/ SUCCINATES/
SUCCINIMIDES/ SWINE/ *TESTIS/ *THYMUS
GLAND/ TRYPSIN
 170. Bailey LF, Radcliffe JC, Hehir AF: Periodic omission of
dairy cow milkings. II. Effect on the composition and
processing properties of herd milk.
J Dairy Res 40:255-61, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/
CHLORIDES, metabolism/ COMPARATIVE
STUDY/ DAIRY PRODUCTS/ *DAIRYING/
FEMALE/ FOOD-PROCESSING INDUSTRY/
HEAT/ HYDROGEN-ION CONCENTRATION/
*LACTATION/ LEUKOCYTE COUNT/ LIPIDS,
metabolism/ MASTITIS, BOVINE,
physiopathology/ MILK/ *MILK, metabolism/
MILK, physiology/ MILK PROTEINS,
metabolism/ NEUTROPHILS/ PREGNANCY/
TIME FACTORS
 171. Balrd DT, Burger PE, Heavon-Jones GD, et al:
Proceedings: Androstenedione: a secretory product
of the Graafian follicle. J Endocrinol 59:xxxvi, Nov 73
*ANDROSTENEDIONE, secretion/ ANIMAL
EXPERIMENTS/ ESTRADIOL, blood/
FEMALE/ GONADOTROPINS,
pharmacodynamics/ *GRAAFIAN FOLLICLE,
secretion/ HUMAN/ MENSTRUATION/ SHEEP
 172. Baker BL, Ingleton PM: Proceedings: Factors affecting
the release and synthesis of teleost pituitary
polypeptide hormones. J Endocrinol 59:x1, Nov 73
ANGUILLA, metabolism/ ANIMAL
EXPERIMENTS/ *FISHES, metabolism/
PITUITARY GLAND, metabolism/
*PROLACTIN, metabolism/ SALMONIDAE,
metabolism/ SODIUM, pharmacodynamics/
*SOMATOTROPIN, metabolism
 173. Baker E, Morgan EH: Placental iron transfer in the cat.
J Physiol (Lond) 232:485-501, Aug 73
ANIMAL EXPERIMENTS/ BONE MARROW,
analysis/ CATS/ FEMALE/ FETAL

AUTHOR SECTION

- MEMBRANES, metabolism/ HEMATOCRIT/
IODINE RADIOISOTOPES/ IRON, analysis/
IRON, blood/ *IRON, metabolism/ IRON
RADIOISOTOPES/ LIVER, analysis/
*MATERNAL-FETAL EXCHANGE/
*PLACENTA, metabolism/ PREGNANCY/
SERUM ALBUMIN, RADIO-IODINATED/
SPLEEN, analysis/ TRANSFERRIN, metabolism
174. Baker H: Diseases of the skin. Management of eczema.
II. Br Med J 4:805-7, 8 Dec 73
ADRENAL CORTX HORMONES,
administration & dosage/ *ADRENAL CORTX
HORMONES, therapeutic use/ ADULT/
*ANTIBIOTICS, therapeutic use/
ANTI-HISTAMINICS, therapeutic use/ CHILD/
ECZEMA, complications/ *ECZEMA, drug
therapy/ HUMAN/ HYDROCORTISONE,
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PENICILLIN, PHENOXYMETHYL, therapeutic
use/ POMPHOLYX, drug therapy/
PREDNISOLONE, therapeutic use/
STREPTOCOCCAL INFECTIONS,
drug therapy/ VEHICLES
175. Baker HW, Burger HG, De Kretser DM, et al: Effects of
synthetic oral oestrogens in normal men and patients
with prostatic carcinoma: lack of gonadotrophin
suppression by chlorotrianisene.
Clin Endocrinol (Oxf) 2:297-308, Oct 73
ADMINISTRATION, ORAL/ ADULT/ ANIMAL
EXPERIMENTS/ CASTRATION/
CHLOROTRIANISENE, administration &
dosage/ *CHLOROTRIANISENE,
pharmacodynamics/ CHLOROTRIANISENE,
therapeutic use/ DIETHYLSTILBESTROL,
administration & dosage/
*DIETHYLSTILBESTROL, pharmacodynamics/
DIETHYLSTILBESTROL, therapeutic use/
*FSH, blood/ *LH, blood/ MALE/ PROSTATIC
NEOPLASMS, blood/ *PROSTATIC
NEOPLASMS, drug therapy/ TESTOSTERONE,
blood
176. Baker PF, Glitsch HG: Does metabolic energy
participate directly in the Na⁺-dependent extrusion
of Ca²⁺-Ca²⁺ ions from squid giant axons?
J Physiol (Lond) 233:44P-46P, Aug 73
ANIMAL EXPERIMENTS/ *AXONS,
metabolism/ BIOLOGICAL TRANSPORT,
ACTIVE, drug effects/ *CALCIUM,
metabolism/ CYANIDES, pharmacodynamics/
IN VITRO/ *SODIUM, metabolism/ *SQUID,
metabolism
177. Baker RD, Downey BR, Brinkley HJ: Induction of
ovulation in pigs with gonadotrophin releasing
hormone. J Anim Sci 37:1376-9, Dec 73
ANIMAL EXPERIMENTS/ FEMALE/
GONADOTROPINS, CHORIONIC, administration
& dosage/ GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
EQUINE, administration & dosage/
GONADOTROPINS, EQUINE,
pharmacodynamics/ GRAAFIAN FOLLICLE,
drug effects/ INJECTIONS,
INTRAMUSCULAR/ INJECTIONS,
INTRAVENOUS/ INJECTIONS,
SUBCUTANEOUS/ LH, blood/ LH-FSH
RELEASING HORMONE, administration &
dosage/ *LH-FSH RELEASING HORMONE,
pharmacodynamics/ *OVULATION,
drug effects/ *SWINE, physiology
178. Bakerdzhieva D: Sistema lechenia klimaktericheskikh
disfunktsiy zhenskikh.
Akush Ginekol (Mosk) 49:66-8, Aug 73 (Rus)
ADULT/ ANDROGENS, therapeutic use/
BULGARIA/ *CLIMACTERIC, drug effects/
CURETTAGE/ FEMALE/ HUMAN/
*MENOPAUSE/ MIDDLE AGE/ *OVARIAN
DISEASES, drug therapy/ RURAL
POPULATION
179. Baksi SN: Fetal plasma calcium levels after maternal
thyroparathyroidectomy and administration of
thyrocalcitonin and parathyroid extract in rats.
Indian J Med Res 61:1082-6, Jul 73
- ANIMAL EXPERIMENTS/ *CALCITONIN,
pharmacodynamics/ *CALCIUM, blood/
DEPRESSION, CHEMICAL/ FEMALE/ *FETUS,
metabolism/ PARATHYROID GLANDS/
PARATHYROID GLANDS, physiology/
PREGNANCY/ RATS/ STIMULATION,
CHEMICAL/ *THYROID GLAND, physiology/
THYROIDECTOMY/ *TISSUE EXTRACTS,
pharmacodynamics
180. Baksi SN: Effect of propylthiouracil-induced
hypothyroidism on serum levels of luteinizing
hormone and follicle-stimulating hormone in the rat.
J Endocrinol 59:655-8, Dec 73
ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ BODY WEIGHT,
drug effects/ ESTRUS/ FEMALE/ *FSH,
blood/ *HYPOTHYROIDISM, chemically
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WEIGHT/ OVARY, drug effects/ PITUITARY
GLAND, drug effects/ *PROPYLTHIOURACIL/
PROSTATE, drug effects/
RADIOIMMUNOASSAY/ RATS/ SEMINAL
VESICLES, drug effects/ TESTIS,
drug effects/ THYROID GLAND, drug effects/
THYROXINE, pharmacodynamics/ UTERUS,
drug effects
181. Baia RM, Beck JC: Fractionation studies on plasma of
normals and patients with Laron dwarfism and
hypopituitary gigantism.
Can J Physiol Pharmacol 51:845-32, Nov 73
ADULT/ CHILD/ *DWARFISM, PITUITARY,
blood/ FEMALE/ GEL FILTRATION/
*GIGANTISM, blood/ HUMAN/ MALE/
MOLECULAR WEIGHT/ SOMATOMEDIN,
blood/ SOMATOTROPIN, blood
182. Baldessarini RJ, Gerson S: Letter: Effects of
5,6-dihydroxytryptamine on the metabolism of
5-hydroxytryptamine in the central nervous system of
the rat. J Pharm Pharmacol 25:647-8, Aug 73
ANIMAL EXPERIMENTS/ BRAIN STEM,
analysis/ CENTRAL NERVOUS SYSTEM, drug
effects/ *CENTRAL NERVOUS SYSTEM,
metabolism/ CEREBRAL CORTEX, analysis/
NOREPINEPHRINE, analysis/ RATS/
*SEROTONIN, metabolism/ SPINAL CORD,
analysis/ TRITIUM/ *TRYPTAMINES,
pharmacodynamics/ TRYPTOPHAN,
pharmacodynamics
183. Baldwin J, Temple-Smith P: Distribution of LDHx in
mammals: presence in marsupials and absence in the
monotremes platypus and echidna.
Comp Biochem Physiol [B] 46:805-11, Dec 73
ANIMAL EXPERIMENTS/ BUTYRATES/
COMPARATIVE STUDY/ DRUG STABILITY/
ELECTROPHORESIS, STARCH GEL/ HEAT/
KETO ACIDS/ KINETICS/ *LACTATE
DEHYDROGENASE ISOENZYMES, analysis/
LACTATE DEHYDROGENASE ISOENZYMES,
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*MARSUPIALIA, metabolism/
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SPECIES SPECIFICITY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SPERMATOGENESIS/ STAINS AND
STAINING/ TESTIS, cytology/ *TESTIS,
enzymology/ TIME FACTORS
184. Ballabin AA: Morfologicheskaya kharakteristika i
nekotorye voprosy patogeneza sinergnogo sepsisa v
eksperimente.
Arkhi Patol 35:28-31, 1973 (Rus)
ANIMAL EXPERIMENTS/ BURNS,
complications/ ENGLISH ABSTRACT/ GAMMA
GLOBULIN, therapeutic use/
HYDROCORTISONE, pharmacodynamics/
IMMUNITY, drug effects/ MICE/
PSEUDOMONAS AERUGINOSA/
*PSEUDOMONAS INFECTIONS/
PSEUDOMONAS INFECTIONS, pathology/
PSEUDOMONAS INFECTIONS, therapy/
RABBITS/ *SEPTICEMIA, etiology/
SEPTICEMIA, pathology/ SEPTICEMIA,
therapy

AUTHOR SECTION

185. Ballantyne B, Bright J, Williams P: An experimental assessment of decreases in measurable cyanide levels in biological fluids. *J Forensic Sci Soc* 13:111-7, Apr 73
ANIMAL EXPERIMENTS/ *BLOOD, metabolism/ *CYANIDES, metabolism/ HUMAN/ IN VITRO/ RABBITS/ THIOCYANATES, metabolism/ TIME FACTORS/ *URINE, metabolism
186. Ballerini G, Longhini-Musaceli GF, Baldi R, et al: Contributo alle conoscenze sui rapporti tra 5-idrossitriptamina (serotonina), corpi densi plasmatici e megacariociti midollari. *Haematologica (Pavia)* 58:737-78, 1973 (Ita)
ANIMAL EXPERIMENTS/ BLOOD PLATELETS, cytology/ *BLOOD PLATELETS, metabolism/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *MEGAKARYOCYTES, physiology/ MICROSCOPY, ELECTRON/ RABBITS/ *SEROTONIN, metabolism
187. Baltaxe HA, Levin DC, Imperato JL: The angiographic demonstration of partially infarcted pheochromocytomas of the adrenal gland. *Am J Roentgenol Radium Ther Nucl Med* 119:793-5, Dec 73
ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL MEDULLA, blood supply/ *ANGIOGRAPHY/ FEMALE/ HUMAN/ INFARCTION, radiography/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, radiography/ PHLEBOGRAPHY
188. Baluda VP, Nestenko GV: Ul'strastruktura trombotsitov kak pokazatel' ikh funktsional'nogo sostolaniia. *Probl Gematol Pereliv Krovi* 17:3-10, Sep 72 (41 ref.) (Rus)
ACUTE DISEASE/ ADENOSINE DIPHOSPHATE, physiology/ ADENOSINE TRIPHOSPHATASE, blood/ AGGLUTINATION/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, cytology/ BLOOD PLATELETS, enzymology/ BLOOD PLATELETS, physiology/ BLOOD PROTEINS, physiology/ CELL MEMBRANE, physiology/ CELL MEMBRANE PERMEABILITY/ CYTOPLASMIC GRANULES, analysis/ ENERGY METABOLISM/ HEMORRHAGE, blood/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, analysis/ ORGANIDS, analysis/ PHAGOCYTOSIS/ PINOCYTOSIS/ RADIATION INJURIES, EXPERIMENTAL, blood/ RECEPTORS, DRUG/ REVIEW/ SEROTONIN, physiology
189. Ban RW, Cooper JF, Imfeld H, et al: Hormonal effects on prostatic acid phosphatase synthesis in tissue culture. *Invest Urol* 11:308-11, Jan 74
ACID PHOSPHATASE, analysis/ ACID PHOSPHATASE, antagonists & inhibitors/ *ACID PHOSPHATASE, hiosynthesis/ CELL LINE/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ DIETHYLSTILBESTROL, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRADIOL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ ESTRONE, pharmacodynamics/ HUMAN/ MALE/ METHANE, pharmacodynamics/ *PROSTATE, enzymology/ PROSTATIC HYPERTROPHY/ PROTEINS, antagonists & inhibitors/ STAINS AND STAINING/ STANOLONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics
190. Ban T, Shionoya Y: [Change in ultrastructure of the pituitary gland induced by administration of LH-RH] *Clin Endocrinol (Tokyo)* 21:905-11, Sep 73 (Jap)
ANIMAL EXPERIMENTS/ FEMALE/ IN VITRO/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ RABBITS/ TIME FACTORS
191. Banach S, Brzozowska S: Wodonercze przemieszczonej nerki imitujące torbiel jajnika. *Pol Tyg Lek* 28:1942-3, 3 Dec 73 (Pol)
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDRONEPHROSIS, complications/ HYDRONEPHROSIS, diagnosis/ HYDRONEPHROSIS, surgery/ *KIDNEY, abnormalities/ *OVARIAN CYSTS, diagnosis/ RADIOISOTOPE RENOGRAPHY
192. Bancroft FC, Wu GJ, Zubay G: Cell-free synthesis of rat growth hormone. *Proc Natl Acad Sci USA* 70:3646-9, Dec 73
BABOONS, immunology/ CARBON RADIOISOTOPES/ CARCINOMA, KREBS 2/ CELL-FREE SYSTEM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ IMMUNOASSAY/ IMMUNOELECTROPHORESIS/ KINETICS/ LEUCINE, metabolism/ METHIONINE, metabolism/ PEPTIDES, hiosynthesis/ PHOSPHOCREATINE, metabolism/ PHOSPHOENOLPYRUVATE, metabolism/ PITUITARY NEOPLASMS/ RATS/ RNA, NEOPLASM, isolation & purification/ RNA, NEOPLASM, metabolism/ SODIUM DODECYL SULFATE/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, hiosynthesis/ SULFUR RADIOISOTOPES
193. Banerjee AK, Samanta HK, Alkat BK: Intracranial space occupying lesions-an analysis of 200 cases. *Indian J Pathol Bacteriol* 15:83-92, Jul 72
ADOLESCENCE/ ADULT/ AGED/ *BRAIN DISEASES, occurrence/ *BRAIN NEOPLASMS, occurrence/ CHILD/ CHILD, PRESCHOOL/ CYSTICERCOSIS, occurrence/ FEMALE/ GLIOMA, occurrence/ HUMAN/ INDIA/ INFANT/ MALE/ MIDDLE AGE/ MYCOSES, occurrence/ PITUITARY NEOPLASMS, occurrence/ SARCOMA, occurrence/ TUBERCULOOMA, occurrence
194. Banerjee MR, Wood BG, Kinder DL: Whole mammary gland organ culture: selection of appropriate gland. *In Vitro* 9:129-33, Sep-Oct 73
ALDOSTERONE, metabolism/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ CULTURE MEDIA/ DNA, hiosynthesis/ ESTRADIOL, metabolism/ ESTRADIOL, therapeutic use/ FEMALE/ INSULIN, metabolism/ *MAMMAE, anatomy & histology/ MAMMAE, growth & development/ MICE/ MICE, INBRED BALB C/ *ORGAN CULTURE/ PROGESTERONE, metabolism/ PROGESTERONE, therapeutic use/ PROLACTIN, metabolism/ SOMATOTROPIN, metabolism/ THYMIDINE, metabolism/ TRITIUM
195. Banks BE, Banthorpe DV, Charlwood KA, et al: Distribution and immunology of mammalian nerve growth factor. *Nature* 246:503-4, 21 Dec 73
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ BIRDS/ CATTLE/ COMPARATIVE STUDY/ FEMALE/ GEL FILTRATION/ GLYCOPROTEINS, analysis/ HORSES/ HUMAN/ MALE/ MICE/ NERVE GROWTH FACTOR, analysis/ *NERVE GROWTH FACTOR, blood/ NERVE GROWTH FACTOR, isolation & purification/ RABBITS, immunology/ SALIVARY GLANDS, analysis/ SNAKES/ SPECIES SPECIFICITY/ SWINE/ VENOMS, analysis
196. Banta JV: Early recognition of orthopedic problems in childhood. *J Sch Health* 44:38-40, Jan 74
BONE AND BONES, injuries/ *BONE DISEASES, diagnosis/ CHILD/ FEMALE/ HUMAN/ *JOINT DISEASES, diagnosis/ JOINTS, injuries/ MALE
197. Banzer D, Schneider U, Hauser KP, et al: Radiologischer Nachweis der renalen Osteopathie unter Dauerdialyse. *Dtsch Med Wochenschr* 99:48-51, 11 Jan 74 (Ger)
ADULT/ AGED/ AMERICIUM, diagnostic use/ APATITES, analysis/ BONE AND BONES, analysis/ CALCANEUS, radiography/ DIAGNOSIS, COMPUTER ASSISTED/ ENGLISH ABSTRACT/ *HEMODIALYSIS, adverse effects/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/

AUTHOR SECTION

- KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, therapy/ METHODS/ MIDDLE AGE/ MINERALS, analysis/ *RADIOISOTOPE SCANNING/ *RENAL OSTEODYSTROPHY, diagnosis/ RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, radiography
198. Baran JS, Langford DD, Liang C, et al: Synthesis and biological activities of substituted glycyrrhetic acids. *J Med Chem* 17:184-91, Feb 74
ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, chem synthesis/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTIVIRAL AGENTS, chem synthesis/ ANTIVIRAL AGENTS, pharmacodynamics/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, immunology/ CELLS, CULTURED/ DESOXYCORTICOSTERONE, antagonists & inhibitors/ *GLYCYRRHIZA/ INFLUENZA VIRUSES, drug effects/ KIDNEY/ MACACA/ MONKEYS/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TRITERPENES, chem synthesis/ TRITERPENES, pharmacodynamics/ TRITERPENES, therapeutic use/ ULCER, drug therapy/ VACCINIA VIRUS, drug effects
 199. Baranov IS, Otepova MK: Pseudoperitonicheskiy sindrom pri khronicheskoi nadpochechnikovoï nedostatochnosti. *Klin Med (Mosk)* 51:95-8, May 73 (Rus)
*ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADULT/ CHRONIC DISEASE/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PERITONEAL DISEASES, complications/ PERITONEAL DISEASES, diagnosis/ SYNDROME
 200. Baranovskaya LI, Benlush VA: Differentsiatsiya po dline khromosom cheloveka i problema ikh identifikatsii. II. X-khromosoma. *Tsitologiya* 15:650-8, Jun 73 (Rus)
ADULT/ AUTORADIOGRAPHY/ BROMODEOXYURIDINE/ CELL DIVISION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHOCYTES, cytology/ MIDDLE AGE/ REGRESSION ANALYSIS/ *SEX CHROMOSOMES
 201. Baranovskiy GI: Zavisimost' vyizhivaemosti bol'nykh rakom molochnoi ahelezy ot morfologicheskoi differentsirovki opukhkh i vykluchenia funktsii lachnikov. *Vopr Onkol* 19:90-1, 1973 (Rus)
*ADENOCARCINOMA, therapy/ *BREAST NEOPLASMS, therapy/ *CARCINOMA, COLLOID, therapy/ *CARCINOMA, DUCTAL, therapy/ *CARCINOMA, SCIRRHOUS, therapy/ *CASTRATION
 202. Baranowska B: Diagnostyczne znaczenie androgenów frakcjonowanych za pomocą chromatografii cienkowarstwowej. *Pol Tyg Lek* 28:1327-8, 20 Aug 73 (17 ref.) (Pol)
ADRENAL GLANDS, metabolism/ *ANDROGENS, analysis/ ANDROGENS, metabolism/ ANDROGENS, urine/ CHEMISTRY, ANALYTICAL/ CHROMATOGRAPHY, THIN LAYER/ CUSHING'S SYNDROME, diagnosis/ FEMALE/ GONADOTROPINS, metabolism/ HIRSUTISM, diagnosis/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ REVIEW/ SEX FACTORS/ STEIN-LEVENTHAL SYNDROME, diagnosis/ TESTOSTERONE, blood/ THYROID DISEASES, diagnosis/ VIRILISM, diagnosis
 203. Baráth P, Csaba G: Effect of pinealectomy on the tritiated serotonin uptake of the adrenal medulla. *Horm Metab Res* 5:466-70, Nov 73
ADRENAL GLANDS, metabolism/ ADRENAL MEDULLA, cytology/ *ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ GANGLIA, metabolism/ HISTOCYTOCHEMISTRY/ MALE/ *PINEAL BODY, physiology/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS/ TRITIUM
 204. Barbeau A, Donaldson J: Zinc, taurine, and epilepsy. *Arch Neurol* 30:52-8, Jan 74
*ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADULT/ AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ COPPER, metabolism/ COPPER, pharmacodynamics/ DISEASE MODELS, ANIMAL/ EPILEPSY, chemically induced/ EPILEPSY, drug therapy/ *EPILEPSY, metabolism/ HIPPOCAMPUS, metabolism/ HUMAN/ HYPOTHALAMUS, metabolism/ MANGANESE, metabolism/ MANGANESE, pharmacodynamics/ MEDULLA OBLONGATA, metabolism/ MITOCHONDRIA, metabolism/ MYELIN SHEATH, metabolism/ OUABAIN/ POTASSIUM, cerebrospinal fluid/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ SYNAPTOSOMES, metabolism/ *TAURINE, metabolism/ *TAURINE, therapeutic use/ TRITIUM/ *ZINC, metabolism/ ZINC, pharmacodynamics
 205. Barber JC, Barber LF, Guerry D 3d, et al: Congenital orbital teratoma. *Arch Ophthalmol* 91:45-8, Jan 74
AGE FACTORS/ BIOPSY/ CASE REPORT/ DRAINAGE/ ESTHETICS/ EXOPHTHALMOS, etiology/ EYE DISEASES, etiology/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT, NEWBORN/ ORBIT, pathology/ *ORBITAL NEOPLASMS, congenital/ ORBITAL NEOPLASMS, pathology/ ORBITAL NEOPLASMS, surgery/ POSTOPERATIVE COMPLICATIONS/ STAPHYLOCOCCAL INFECTIONS, etiology/ *TERATOID TUMOR, congenital/ TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery
 206. Barberia JM, Giner J, Cortes-Gallegos V: Diurnal variations of plasma testosterone in men. *Steroids* 22:615-26, Nov 73
ADULT/ ANALYSIS OF VARIANCE/ CHROMATOGRAPHY, THIN LAYER/ *CIRCADIAN RHYTHM/ FEMALE/ GEL FILTRATION/ HUMAN/ MALE/ PREGNANCY/ PROTEIN BINDING/ SERUM GLOBULINS/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM
 207. Barcikowski B, Saksena SK, Bartke A: Androgenic regulation of plasma prostaglandin F levels in the rat. *J Reprod Fertil* 35:549-51, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ CYPROTERONE, pharmacodynamics/ MALE/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ RATS/ STIMULATION, CHEMICAL/ *TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ TRITIUM
 208. Bardin EV, Razumovich AN, Dubina TL, et al: The effect of testosterone propionate on some indicators of energetic metabolism in the intact zone in experimental myocardial infarction. *Cor Vasa* 15:209-21, 1973
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ CHOLESTEROL, metabolism/ DISEASE MODELS, ANIMAL/ *ENERGY METABOLISM, drug effects/ LACTATE DEHYDROGENASE, metabolism/ MYOCARDIAL INFARCT, enzymology/ *MYOCARDIAL INFARCT, metabolism/ PHOSPHOCREATINE, metabolism/ PHOSPHOLIPIDS, metabolism/ RABBITS/ SUCCINATE DEHYDROGENASE, metabolism/ *TESTOSTERONE, pharmacodynamics
 209. Barlet JP, Godenèche D, Jourde H, et al: Calcitonin and iodinated hormones in sheep. *Horm Metab Res* 5:475-8, Nov 73
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ CALCITONIN/ *CALCITONIN, pharmacodynamics/ CALCIUM, blood/ FEMALE/ HYPOCALCEMIA, chemically induced/ PREGNANCY/ PROTEIN BINDING, drug effects/ SHEEP/ THYROID GLAND,

AUTHOR SECTION

- analysis/ *THYROXINE, blood/
*TRIIODOTHYRONINE, blood
210. Barlow SM, Morrison PJ, Sullivan FM: Proceedings: Plasma corticosterone levels during pregnancy in the mouse. *J Endocrinol* 59:xxx1, Nov 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CASTRATION/ *CORTICOSTERONE, blood/
FEMALE/ MICE/ PREGNANCY/
*PREGNANCY, ANIMAL
 211. Barnes AB: The effect of oxytocin on renal blood flow and its distribution in the dog. *Nephron* 11:40-57, 1973
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ DILATATION/
DIURESIS, drug effects/ DOGS/ ESTROGENIC
SUBSTANCES, CONJUGATED,
pharmacodynamics/ ESTROGENS,
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PROSTAGLANDINS, pharmacodynamics/
RADIOISOTOPES/ REGIONAL BLOOD FLOW,
drug effects/ RENAL ARTERY/ SILICONE
ELASTOMERS/ TIME FACTORS/ WATER
 212. Barnes ND, Hayles AB, Ryan RJ: Sexual maturation in juvenile hypothyroidism.
Mayo Clin Proc 48:849-56, Dec 73
ADOLESCENCE/ AGE DETERMINATION BY
SKELETON/ CHILD/ CHILD, PRESCHOOL/
FEMALE/ FSH, blood/ GENITALIA, growth &
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HYPOTHYROIDISM, diagnosis/
HYPOTHYROIDISM, physiopathology/ INFANT/
LH, blood/ MALE/ *PUBERTY, PRECOCIOUS,
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 213. Barnett SA: Maternal processes in the cold-adaptation of mice. *Biol Rev* 48:477-508, Nov 73 (112 ref.)
*ADAPTATION, PHYSIOLOGICAL/ AGE
FACTORS/ ANIMAL EXPERIMENTS/ BIRTH
WEIGHT/ BODY COMPOSITION/ BODY
WEIGHT/ *COLD/ EATING/ FEMALE/
FERTILITY/ FETAL DEATH/ FETUS, growth &
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physiology/ MICE, INBRED STRAINS/ ORGAN
WEIGHT/ OVARY, physiology/ OXYGEN
CONSUMPTION/ PREGNANCY/
*REPRODUCTION/ REVIEW
 214. Baron J: Studies on the immunochemical and functional similarities among iron-sulfur proteins involved in mitochondrial steroid hydroxylations. *Biochem Biophys Res Commun* 54:764-9, 18 Sep 73
ADRENAL GLANDS, cytology/ ADRENAL
GLANDS, enzymology/ ANIMAL
EXPERIMENTS/ ANTIGEN-ANTIBODY
REACTIONS/ CATTLE/ COMPARATIVE
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*METALLOPROTEINS, analysis/
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cytology/ OVARY, enzymology/ RATS/
*STEROID HYDROXYLASES, analysis/
*SULFUR/ TESTIS, cytology/ TESTIS,
enzymology
 215. Baron J: Hirsutyzm.
Endokrynol Pol 24:413-27, Nov-Dec 73 (Pol)
ANDROGENS, biosynthesis/ FEMALE/
*HIRSUTISM/ HIRSUTISM, diagnosis/
HIRSUTISM, drug therapy/ HIRSUTISM,
etiology/ HIRSUTISM, surgery/ HUMAN/
HYPERTRICHOSIS, diagnosis/ PREDNISONE,
therapeutic use
 216. Barowicz T, Ewy Z: Oxytocic activity measurements in blood plasma with some observations on oxytocin disappearance rates in lactating cows.
Bull Acad Pol Sci [Biol] 21:815-8, 1973
ANIMAL EXPERIMENTS/ CATTLE/
*LACTATION/ OXYTOCIN, analysis/
*OXYTOCIN, blood/ OXYTOCIN, metabolism/
PLASMA, analysis
 217. Barra HS, Arcce CA, Rodriguez JA, et al: Uncorporation of phenylalanine as a single unit into rat brain protein: reciprocal inhibition by phenylalanine and tyrosine of their respective incorporations.
J Neurochem 21:1241-51, Nov 73
ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ AGING/ ANIMAL
EXPERIMENTS/ ASPARAGINE, metabolism/
*BRAIN, metabolism/ CARBON
RADIOISOTOPES/ GLUTAMATES, metabolism/
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*PHENYLALANINE, biosynthesis/
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THYROID GLAND, metabolism/ TRITIUM/
TRYPTOPHAN, metabolism/ TYROSINE,
antagonists & inhibitors/ *TYROSINE,
pharmacodynamics
 218. Barras BC, Coult DB: Phenol oxidase activity in brain tissue. *Biochem Pharmacol* 22:2897-904, 15 Nov 73
ANIMAL EXPERIMENTS/ *BRAIN,
enzymology/ CATECHOLAMINES/ CATTLE/
CAUDATE NUCLEUS, enzymology/
CHLORPROMAZINE, pharmacodynamics/
*DIPHENOL OXIDASES, metabolism/
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NOREPINEPHRINE/ PHENYLENEDIAMINES/
SEROTONIN/ SHEEP/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SUBSTANTIA NIGRA, enzymology
 219. Barras BC, Coult DB, Pinder RM, et al: Substrate specificity of caeruloplasmin indoles and indole isosteres. *Biochem Pharmacol* 22:2891-5, 15 Nov 73
*CAERULOPLASMIN, metabolism/ HUMAN/
*INDOLES, metabolism/ KINETICS/ NAD,
metabolism/ OXIDATION-REDUCTION/
OXYGEN CONSUMPTION/ POLAROGRAPHY/
*SEROTONIN, metabolism/
STRUCTURE-ACTIVITY RELATIONSHIP
 220. Barrelet V: Les barrières immunologiques à la fertilité. *Rev Med Suisse Romande* 93:847-64, Nov 73 (Fre)
ADULT/ AGGLUTINATION TESTS/
ANTIBODIES, analysis/ ANTIGENS, analysis/
AUTOANTIBODIES, analysis/ CERVIX MUCUS,
immunology/ FEMALE/ FLUORESCENT
ANTIBODY TECHNIC/ HUMAN/ MALE/
OVARY, immunology/ SEMEN, immunology/
SPERMATOZOA, immunology/ *STERILITY,
immunology/ STERILITY, therapy/ TESTIS,
immunology
 221. Bartalos M: Genetics in medical practice of 1970s. Practical applications.
NY State J Med 73:2763-7, 1 Dec 73
AMNIOCENTESIS/ GENES/ GENETIC CODE/
GENETIC COUNSELING/ *GENETICS,
HUMAN/ HEREDITARY DISEASES, diagnosis/
HEREDITARY DISEASES, drug therapy/
HEREDITARY DISEASES, prevention &
control/ HEREDITARY DISEASES, therapy/
THYROID HORMONES, therapeutic use
 222. Barth T, Krejčí I, Kupková B, et al: Pharmacology of cyclic analogues of deamino-oxytocin not containing a disulphide bond (carba analogues).
Eur J Pharmacol 24:183-8, Nov 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CHICKENS/ CYCLIZATION/
DEAMINATION/ DIURESIS, drug effects/
ESTROGENS, pharmacodynamics/ FEMALE/ IN
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AUTHOR SECTION

- pharmacodynamics/ MALE/ MAMMAE, drug effects/ MUSCLE CONTRACTION, drug effects/ *OXYTOCIN, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects
223. Bartholomew BA, Perry AL: Synovial fluid and serum beta-mannosidase activity in arthropathic conditions. *Scand J Rheumatol* 2:151-5, 1973
*ARTHRITIS, enzymology/ ARTHRITIS, JUVENILE RHEUMATOID, enzymology/ ARTHRITIS, RHEUMATOID, enzymology/ CELL COUNT/ CHONDROCALCINOSIS, enzymology/ GLYCOSIDE HYDROLASES, blood/ *GLYCOSIDE HYDROLASES, metabolism/ GOUT, enzymology/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ KNEE JOINT/ LEUKOCYTE COUNT/ OSTEOARTHRITIS, enzymology/ REITER'S DISEASE, enzymology/ STEROIDS, administration & dosage/ *SYNOVIAL FLUID, enzymology/ TIME FACTORS
224. Bartmanow NJ: Klinisch-biochemische Parallelen bei der Indikationsstellung einer Hormontherapie der Lungentuberkulose. *Z Erkr Atmungsorgane* 138:100-3, 1973 (Ger)
CORTICOSTERONE, blood/ HUMAN/ HYDROCORTISONE, blood/ *PREDNISOLONE, therapeutic use/ *PREDNISONE, therapeutic use/ SILICOTUBERCULOSIS, blood/ SILICOTUBERCULOSIS, drug therapy/ TUBERCULOSIS, PULMONARY, blood/ *TUBERCULOSIS, PULMONARY, drug therapy
225. Bartosik D, Zaccheo V, Taylor RJ, et al: Progravid phase of the rat reproductive cycle: daily changes in the in vitro RNA synthesis and progesterin secretion by isolated corpora lutea. *Endocrinology* 91:45-8, Jan 74
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, metabolism/ CORPUS LUTEUM, secretion/ FEMALE/ *HYDROXYPROGESTERONE, secretion/ PREGNANCY/ *PROGESTERONE, secretion/ *PSEUDOPREGNANCY/ RATS/ *RNA, biosynthesis/ TRITIUM/ *URIDINE, metabolism
226. Bartošová L, Leznarová J: Příspěvek k problematice etiopatogeneze a léčby rosaceiformní dermatitidy. *Cesk Dermatol* 48:374-80, Dec 73 (Cze)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ ROSACEA, drug therapy/ *ROSACEA, etiology/ SEBORRHEA, complications
227. Bartsch G, Madersbacher H: Zur Differentialdiagnose der Hodentorsion. *Z Allgemeinmed* 49:1210-3, 20 Sep 73 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ EPIDIDYMITIS, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ *SPERMATIC CORD TORSION, diagnosis/ *TESTICULAR DISEASES, diagnosis
228. Bartter FC: The syndrome of inappropriate secretion of antidiuretic hormone (SIADH). *DM* 1:47, Nov 73 (135 ref.)
CARCINOMA, OAT CELL, metabolism/ CENTRAL NERVOUS SYSTEM DISEASES, complications/ ENDOCRINE DISEASES, complications/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ HYPONATREMIA, blood/ HYPONATREMIA, chemically induced/ HYPONATREMIA, complications/ HYPONATREMIA, diagnosis/ HYPONATREMIA, etiology/ HYPONATREMIA, metabolism/ *HYPONATREMIA, physiopathology/ HYPONATREMIA, therapy/ HYPONATREMIA, urine/ KIDNEY, physiopathology/ LUNG DISEASES, complications/ LUNG NEOPLASMS, metabolism/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, complications/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, metabolism/ OSMOLAR CONCENTRATION/ REVIEW/ SYNDROME/ VASOPRESSIN, physiology/ *VASOPRESSIN, secretion/
- WATER-ELECTROLYTE BALANCE/ WATER INTOXICATION, etiology
229. Bartuska D: Evolving concepts of the genetics of thyroid disease-a review. *Am J Med Sci* 286:249-52, Oct 73 (17 ref.)
ADENOMA, familial & genetic/ ADENOMATOSIS, FAMILIAL ENDOCRINE/ CHROMOSOME ABERRATIONS/ FEMALE/ GOITER, familial & genetic/ GOITER, EXOPHTHALMIC, familial & genetic/ HUMAN/ HYPERTHYROIDISM, familial & genetic/ MALE/ PARATHYROID NEOPLASMS, familial & genetic/ PHEOCHROMOCYTOMA, familial & genetic/ REVIEW/ SYNDROME/ *THYROID DISEASES, familial & genetic/ THYROID NEOPLASMS, familial & genetic/ THYROIDITIS, LYMPHOMATOUS, familial & genetic/ THYROXINE-BINDING PROTEIN
230. Barwin BN: Intrauterine insemination of husband's semen. *J Reprod Fertil* 36:101-6, Jan 74
ABORTION/ ADULT/ BODY TEMPERATURE/ CELL COUNT/ CERVIX MUCUS/ DISGERMINOMA, complications/ FEMALE/ FREEZING/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *INSEMINATION, ARTIFICIAL/ MALE/ METHODS/ OVULATION/ PREGNANCY/ SPERMATOZOA/ STERILITY, therapy/ TESTICULAR NEOPLASMS, complications/ TIME FACTORS/ UTERUS/ VAGINA, cytology
231. Baserga A, Castoldi GL, Dallapiccola B: La patologia cromosomica. *Minerva Med* 64:4430-4, 21 Nov 73 (Ita)
*CHROMOSOME ABNORMALITIES/ *HEMATOLOGIC DISEASES, familial & genetic/ HUMAN/ *LEUKEMIA, familial & genetic/ *NEOPLASMS, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES
232. Bashor MM, Toft DO, Chytil F: In vitro binding of retinol to rat-tissue components. *Proc Natl Acad Sci USA* 70:3483-7, Dec 73
ALDEHYDES, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BLOOD/ CENTRIFUGATION, DENSITY GRADIENT/ *CYTOSOL, metabolism/ GEL FILTRATION/ IN VITRO/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, metabolism/ KIDNEY, cytology/ KIDNEY, metabolism/ LIVER, cytology/ LIVER, metabolism/ LUNG, cytology/ LUNG, metabolism/ MOLECULAR WEIGHT/ PROTEIN BINDING/ PROTEINS, analysis/ RATS/ *RECEPTORS, DRUG/ TESTIS, cytology/ TESTIS, metabolism/ TRITIUM/ *VITAMIN A, metabolism
233. Basoli A, Patrassi N, De Bernardinis G, et al: Iperinsulinismo e adenomatosi pollendocrina. *Folla Endocrinol (Roma)* 26:356-60, Oct 73 (Ita)
ADENOMA, complications/ *ADENOMATOSIS, FAMILIAL ENDOCRINE, complications/ ADRENAL GLAND NEOPLASMS, complications/ HUMAN/ *HYPERINSULINISM, etiology/ *ISLET CELL TUMOR, complications/ *PANCREATIC NEOPLASMS, complications/ PARATHYROID NEOPLASMS, complications/ PITUITARY NEOPLASMS, complications/ THYROID NEOPLASMS, complications
234. Bassiri RM, Utiger RD: Thyrotropin-releasing hormone in the hypothalamus of the rat. *Endocrinology* 91:188-97, Jan 74
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CATTLE/ CEREBRAL CORTEX, metabolism/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMUS, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/ PITUITARY GLAND, physiology/ RATS/ SPLEEN, metabolism/ THYROID GLAND, physiology/ THYROIDECTOMY/ THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, metabolism/ THYROXINE, administration & dosage/ THYROXINE, blood/ THYROXINE, pharmacodynamics/ TIME FACTORS

AUTHOR SECTION

235. Bastiaans LA, Maathuis JB, Mastboom JL:
Proceedings: Effects of oestrone on ovum transport in the golden hamster. *J Reprod Fertil* 35:812-3, Dec 73
ANIMAL EXPERIMENTS/ *ESTRONE, pharmacodynamics/ *FALLOPIAN TUBES, drug effects/ FALLOPIAN TUBES, physiology/ FEMALE/ HAMSTERS/ MUSCLE CONTRACTION, drug effects/ OVULATION/ *OVUM/ PREGNANCY/ TIME FACTORS
236. Bastide F, Meissner G, Fieischer S, et al: Similarity of the active site of phosphorylation of the adenosine triphosphatase from transport of sodium and potassium ions in kidney to that for transport of calcium ions in the sarcoplasmic reticulum of muscle. *J Biol Chem* 248:8385-91, 25 Dec 73
ACETYLATION/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CARBOXYPEPTIDASES/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ *KIDNEY, enzymology/ KIDNEY, metabolism/ OXIDATION-REDUCTION/ PAPAINE/ PERIODIC ACIDS/ PHOSPHOPEPTIDES/ PHOSPHORUS RADIOISOTOPES/ POTASSIUM, metabolism/ PRONASE/ PROTEIN DENATURATION/ RABBITS/ *SARCOPLASMIC RETICULUM, enzymology/ SARCOPLASMIC RETICULUM, metabolism/ *SODIUM, metabolism/ TRYPSIN
237. Batime J, Droniou J, Kermarec J, et al: Histocytose X de l'adulte à localisations multiples. Evolution sur 6 ans et discussion thérapeutique. *Ann Med Interne (Paris)* 124:591-600, Aug-Sep 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, etiology/ ADULT/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DIABETES INSIPIDUS, etiology/ HUMAN/ JAW DISEASES, etiology/ MALE/ OBESITY, etiology/ *PNEUMOTHORAX, etiology/ PNEUMOTHORAX, surgery/ PROGNOSIS/ RESPIRATORY FUNCTION TESTS/ RESPIRATORY INSUFFICIENCY, etiology/ *RETICULOENDOTHELIOSIS, diagnosis/ RETICULOENDOTHELIOSIS, drug therapy/ RETICULOENDOTHELIOSIS, pathology/ RIBS, surgery/ SKIN MANIFESTATIONS/ THORACIC DISEASES, surgery/ VINBLASTINE, therapeutic use
238. Bauer CR, Stern L, Collie E: Prolonged rupture of membranes associated with a decreased incidence of respiratory distress syndrome. *Pediatrics* 53:7-12, Jan 74
ADRENAL CORTEX HORMONES, blood/ CORTICOSTERONE, blood/ FEMALE/ *FETAL MEMBRANES/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ LABOR/ MALE/ PROSPECTIVE STUDIES/ *RESPIRATORY DISTRESS SYNDROME, etiology/ RUPTURE/ TIME FACTORS/ TRITIUM
239. Bauer H, Glatzl J, Falkensammer M, et al: Epidemiologische Besonderheiten zweier benachbarter Kropfgebiete, wovon in Einem seit 10 Jahren eine Jodprophylaxe läuft. *Acta Endocrinol [Suppl] (Khh)* 21-2, 1973 (Ger)
ADULT/ AUSTRIA/ CHILD/ COMPARATIVE STUDY/ FEMALE/ FOOD ADDITIVES/ GOITER, ENDEMIC, familial & genetic/ *GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE, analysis/ IODINE, therapeutic use/ IODINE, urine/ IODINE RADIOISOTOPES/ MALE/ SEX FACTORS/ SODIUM CHLORIDE
240. Bauman KE, Udry JR: Evaluation of the five-year family planning plan. *Health Serv Rep* 88:814-7, Nov 73
BIRTH RATE/ CONTRACEPTIVES, ORAL/ EVALUATION STUDIES/ *FAMILY PLANNING/ FEMALE/ HEALTH AND WELFARE PLANNING/ HUMAN/ INTRAUTERINE DEVICES/ NEGROES/ POVERTY/ PREGNANCY/ PREGNANCY, UNWANTED/ STATISTICS/ TIME FACTORS/ UNITED STATES/ URBAN POPULATION
241. Bauman KE, Wilson RR: Contraceptive practices of white unmarried university students: the significance of four years at one university. *Am J Obstet Gynecol* 118:190-4, 15 Jan 74
CAUCASIAN RACE/ COITUS/ *CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ MALE/ NORTH CAROLINA/ PREGNANCY/ QUESTIONNAIRES/ STATISTICS/ STUDENTS/ UNIVERSITIES
242. Bauman VK, Vallmiste Miu: Soderzhanie kal'tsifitsyavayushchego belka v razlichnykh organakh tsypliat i kur v zavisimosti ot ikh obespechennosti vitaminom. *Prikl Blokhim Mikrobiol* 8:841-8, Nov-Dec 72 (Rus)
AGE FACTORS/ ALKALINE PHOSPHATASE, analysis/ AMNION, analysis/ ANIMAL EXPERIMENTS/ CALCIUM, analysis/ *CALCIUM, metabolism/ *CARRIER PROTEINS, analysis/ CHICK EMBRYO/ *CHICKENS, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ FEMALE/ FETAL MEMBRANES, analysis/ INTESTINES, analysis/ LIVER, analysis/ OVUM, analysis/ *PROTEIN BINDING/ RICKETS, metabolism/ *VITAMIN D, metabolism/ VITELLINE MEMBRANE, analysis
243. Baumann P, Narasimachari: Identification of N,N-dimethyltryptamine, 5-methoxy-N,N-dimethyltryptamine and hufotenin by cellulose TLC. *J Chromatogr* 88:269-73, 7 Nov 73
CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ DIMETHYLTRYPTAMINE, analysis/ GELS/ *HALLUCINOGENS, analysis/ INDICATORS AND REAGENTS/ METHYL ETHERS, analysis/ *SEROTONIN, analysis/ SILICA/ SOLVENTS/ *TRYPTAMINES, analysis
244. Baumann R, Ziprian H, Gödicke W, et al: The influence of acute psychic stress situations on biochemical and vegetative parameters of essential hypertensives at the early stage of the disease. *Psychother Psychosom* 22:131-40, 1973
*ADAPTATION, PHYSIOLOGICAL/ ADOLESCENCE/ ADULT/ BLOOD CIRCULATION/ BLOOD PRESSURE/ BLOOD SUGAR, analysis/ FATTY ACIDS, NONESTERIFIED, analysis/ HUMAN/ HYDROCORTISONE, analysis/ HYPERTENSION, blood/ *HYPERTENSION, classification/ HYPERTENSION, etiology/ MALE/ MUSCLE TONUS/ NOREPINEPHRINE, analysis/ OXYGEN CONSUMPTION/ PSYCHOPHYSIOLOGIC DISORDERS, blood/ PSYCHOPHYSIOLOGIC DISORDERS, classification/ PULSE/ RENIN, analysis/ *STRESS, PSYCHOLOGICAL
245. Baumgartner G: Ergebnisse mit dem Zytostatikum Bleomycin in der Tumorthherapie. *Wien Klin Wochenschr* 85:886-92, 19 Oct 73 (Ger)
ADRIAMYCIN, therapeutic use/ ADULT/ AGED/ BLEOMYCIN, adverse effects/ *BLEOMYCIN, therapeutic use/ BRONCHIAL NEOPLASMS, drug therapy/ CARCINOMA, EPIDERMAL, drug therapy/ CHLORAMBUCIL, therapeutic use/ DISGERMINOMA, drug therapy/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ LYMPHOMA, drug therapy/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASMS, drug therapy/ NEURILEMMOMA, drug therapy/ PULMONARY FIBROSIS, chemically induced/ REMISSION/ VINBLASTINE, therapeutic use
246. Baur R: Notes on the use of stereological methods in

AUTHOR SECTION

- comparative placentology.
Acta Anat (Basel) 88:Suppl 81:75-10, 1973
ANIMAL EXPERIMENTS/ ARTIODACTYLA/
CAMELS/ CARNIVORA/ CATTLE/
CHIMPANZEES/ COMPARATIVE STUDY/
DOGS/ ELEPHANTS/ FEMALE/ GUINEA
PIGS/ *HISTOLOGICAL TECHNIQS/ HORSES/
HUMAN/ MACACA/ MATERNAL-FETAL
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MONKEYS/ PERISSODACTYLA/ *PLACENTA,
anatomy & histology/ PLACENTA, growth &
development/ PLACENTA, physiology/
PREGNANCY/ SPECIES SPECIFICITY
247. Baysal F, Gemalmaz A: Kurbaga mide adelesi uzerine
prostaglandin E1 in etkileri ile ilgili bir arastirma.
Turk Hij Tecr Biyol Derg 32:117-21, 1972 (Tur)
ANIMAL EXPERIMENTS/ DEPRESSION,
CHEMICAL/ ENGLISH ABSTRACT/ FROGS/
*MUSCLE CONTRACTION, drug effects/
*MUSCLE, SMOOTH, drug effects/
*PROSTAGLANDINS, pharmacodynamics/
RANA ESCULENTA/ STOMACH
248. Beaven MA, Jong W de: Presence of histaminase and
ornithine decarboxylase activities in rat thymus.
Biochem Pharmacol 22:257-65, 15 Jan 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ AGING/ ANIMAL ,
EXPERIMENTS/ BLOOD PRESSURE, drug
effects/ BODY WEIGHT, drug effects/
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*CARBOXY-LYASES, metabolism/
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ORNITHINE/ RATS/ RATS, INBRED
STRAINS/ THYMUS GLAND, drug effects/
*THYMUS GLAND, enzymology/ TIME
FACTORS
249. Bechamps GJ: Torsion of normal uterine adnexa.
J Pediatr Surg 8:553, Aug 73
ADNEXAL DISEASES, complications/
*ADNEXAL DISEASES, surgery/ CALCINOSIS,
etiology/ FALLOPIAN TUBES, surgery/
FEMALE/ HUMAN/ INFANT, NEWBORN/
INFANT, NEWBORN, DISEASES,
complications/ *INFANT, NEWBORN,
DISEASES, surgery/ NECROSIS, etiology/
OVARY, surgery/ TORSION, surgery
250. Beck C, Larkins RG, Martin TJ, et al: Stimulation of
growth hormone release from superfused rat
pituitary by extracts of hypothalamus and of human
lung tumours. J Endocrinol 59:325-33, Nov 73
ADENOCARCINOMA/ AMINOPHYLLINE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
CALCIUM, analysis/ CHONDROSARCOMA/
GEL FILTRATION/ HUMAN/
*HYPOTHALAMUS/ IN VITRO/ *LUNG
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GLAND, secretion/ POTASSIUM, analysis/
RADIOIMMUNOASSAY/ RATS/
*SOMATOTROPIN, secretion/ *TISSUE
EXTRACTS, pharmacodynamics
251. Becker G, Ashwood-Smith MJ: Endocytosis in Chinese
hamster fibroblasts. Inhibition by glucose.
Exp Cell Res 82:310-4, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
TRIPHOSPHATE, pharmacodynamics/ AMINO
ACIDS, pharmacodynamics/ CLONE CELLS/
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pharmacodynamics/ SUCROSE, metabolism/
THEOPHYLLINE, pharmacodynamics/ TIME
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252. Becker HD, Reeder DD, Scurry MT, et al: Inhibition of
gastrin release and gastric secretion by calcitonin in
patients with peptic ulcer. Am J Surg 127:71-5, Jan 74
CALCITONIN, administration & dosage/
*CALCITONIN, pharmacodynamics/ CALCIUM,
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*DUODENAL ULCER, physopathology/
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HYPERPARATHYROIDISM, physopathology/
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RADIOIMMUNOASSAY/ *STOMACH, secretion/
ZOLLINGER-ELLISON SYNDROME,
physopathology/ ZOLLINGER-ELLISON
SYNDROME, surgery
253. Beckett AH: Maternal and neonatal metabolism of
analgesic drugs.
Br J Anaesth 45:Suppl:770-81, Jul 73 (47 ref.)
ADMINISTRATION, ORAL/ AMNIOTIC
FLUID/ AMPHETAMINE, metabolism/
*ANALGESICS AND ANTIPYRETICS,
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MEMBRANES, metabolism/ METHADONE,
metabolism/ PENTAZOCINE, metabolism/
PLACENTA, metabolism/ PREGNANCY/
REVIEW/ UMBILICAL CORD
254. Bedford GR, Walpole AL, Wright B: Estrogenic
triarylcyclopropanes. J Med Chem 17:147-9, Jan 74
ANIMAL EXPERIMENTS/ CASTRATION/
COMPARATIVE STUDY/ CONTRACEPTIVES,
ORAL, chem synthesis/ CONTRACEPTIVES,
ORAL, pharmacodynamics/ *CYCLOPROPANE,
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FEMALE/ FERTILITY, drug effects/ PHENYL
ETHERS, pharmacodynamics/ PREGNANCY/
RATS/ STILBENES, pharmacodynamics/
VAGINA, drug effects
255. Beecham JB, Maack JV, Mead PB: Letter: Severe pelvic
sepsis and the Majzlin spring.
Obstet Gynecol 43:159, Jan 74
*ABSCESS, etiology/ ANESTHESIA/
ANTIBIOTICS, therapeutic use/ BACTERIAL
INFECTIONS, prevention & control/ CERVIX
UTERI/ DILATATION/ *FALLOPIAN TUBES/
FEMALE/ HUMAN/ *INTRAUTERINE
DEVICES, adverse effects/ *OVARIAN
DISEASES, etiology/ PREGNANCY/
*SEPTICEMIA, etiology/ UTERINE DISEASES,
etiology
256. Beers PC, Wittliff JL: Identification and partial
characterization of specific estrogen receptors in the
vole (Microtus montanus).
Comp Biochem Physiol [B] 46:647-52, Dec 73
ANIMAL EXPERIMENTS/ BINDING SITES/
CENTRIFUGATION, DENSITY GRADIENT/
COMPARATIVE STUDY/ CYTOSOL,
metabolism/ *ESTRADIOL, metabolism/
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*MAMMAE, metabolism/ MOLECULAR
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*RECEPTORS, HORMONE/ RODENTS/
SPECTROPHOTOMETRY, ULTRAVIOLET/
STANOLONE, metabolism/ TRITIUM/
UTERUS, cytology/ *UTERUS, metabolism
257. Beevers DG, Harpur JE, Turk KA: Giant cell
arteritis-the need for prolonged treatment.
J Chronic Dis 26:571-84, Sep 73
AGE FACTORS/ AGED/ BETAMETHASONE,
therapeutic use/ BIOPSY/ BLINDNESS,
chemically induced/ CHRONIC DISEASE/
FEMALE/ HUMAN/ LONG TERM CARE/
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TEMPORAL ARTERITIS, drug therapy/
TEMPORAL ARTERITIS, mortality/
TEMPORAL ARTERITIS, pathology/
*TEMPORAL ARTERITIS, therapy/ TIME
FACTORS
253. Behan PO, Geschwind N: The ophthalmoplegic form of the Guillain-Barre-syndrome: an immunologic study. *Acta Ophthalmol (Khh)* 51:529-42, 1973
AGED/ ANTIGEN-ANTIBODY REACTIONS/
ANTIGENS, analysis/ BLOOD PROTEINS,
analysis/ ENCEPHALITIC BASIC
PROTEINS/ EYE MOVEMENTS/ FEMALE/
HUMAN/ IMMUNITY, CELLULAR/
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*OCULOMOTOR PARALYSIS, immunology/
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POLYRADICULITIS, drug therapy/
*POLYRADICULITIS, immunology/
PREDNISONE, therapeutic use/
SERODIAGNOSIS/ STREPTODORNASE AND
STREPTOKINASE
254. Behrman HR, Anderson GG: Prostaglandins in reproduction. *Arch Intern Med* 133:77-84, Jan 74 (50 ref.)
ABORTION, THERAPEUTIC/ ANIMAL
EXPERIMENTS/ CONTRACEPTIVE AGENTS,
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FEMALE/ HUMAN/ LABOR, INDUCED/
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PREGNANCY, drug effects/
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PROSTAGLANDINS, pharmacodynamics/
*PROSTAGLANDINS, physiology/
*REPRODUCTION/ REVIEW/
SUPPOSITORIES/ UTERUS, drug effects/
UTERUS, physiology
260. Belcher RW, Carney JF, Monahan FG: An electron microscopic study of phagocytosis of *Candida albicans* by polymorphonuclear leukocytes. *Lab Invest* 29:620-7, Dec 73
*CANDIDA ALBICANS/ CELL WALL/
CYTOPLASM/ HUMAN/ HYDROCORTISONE,
pharmacodynamics/ HYDROGEN PEROXIDE,
metabolism/ *LEUKOCYTES, cytology/
LEUKOCYTES, drug effects/ LEUKOCYTES,
metabolism/ MICROSCOPY, ELECTRON/
*PHAGOCYTOSIS/ TIME FACTORS
261. Belchetz PE, Brown CL, Makin HL, et al: ACTH, glucagon and gastrin production by a pancreatic islet cell carcinoma and its treatment. *Clin Endocrinol (Oxf)* 2:307-16, Oct 73
ADULT/ AMINOGLUTETHIMIDE, therapeutic
use/ *CORTICOTROPIN, biosynthesis/
CORTICOTROPIN, blood/ *GASTRIN,
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METASTASIS/ RADIOIMMUNOASSAY/
STREPTOZOTOCIN, therapeutic use
262. Belfrage P, Berg B, Cronholm T, et al: Prolonged administration of ethanol to young, healthy volunteers: effects on biochemical, morphological and neurophysiological parameters. *Acta Med Scand [Suppl]* 1-44, Sep 73
ACTION POTENTIALS, drug effects/
*ADIPOSE TISSUE, drug effects/ ADIPOSE
TISSUE, pathology/ ADMINISTRATION,
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metabolism/ *LIVER, drug effects/ LIVER,
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MITOCHONDRIA, LIVER, drug effects/
MOTOR NEURONS, drug effects/ NEURAL
CONDUCTION, drug effects/ *STEROIDS,
blood/ TIME FACTORS
263. Belkanti GS: Pochebnyi komponent antigravitatsionnoi funktsii organizma. *Kosm Biol Med* 8:8-13, Nov-Dec 72 (80 ref.) (Rus)
ALDOSTERONE, physiology/ ANGIOTENSIN,
physiology/ ANIMAL EXPERIMENTS/ BLOOD
VOLUME/ DIURESIS/ DOGS/ ENGLISH
ABSTRACT/ GRAVITATION/ HUMAN/
HYPOTHALAMUS, physiology/ KIDNEY, blood
supply/ *KIDNEY, physiology/ MUSCLE,
SMOOTH, physiology/ NATRIURESIS/
*POSTURE/ REFLEX/ RENIN, physiology/
REVIEW/ VASOPRESSIN, physiology
264. Bell AM, Clark IM, Denny WA, et al: Microbiological hydroxylation of steroids. IX. Hydroxylation of diketones and keto-alcohols derived from 5 alpha-androstane with the fungi *Rhizopus arrhizus* and *Rhizopus circinnans*. Steroidal 18- and 19-proton magnetic resonance signals. *J Chem Soc [Perkin I]* 19:2131-6, 1973
*ANDROSTANES, metabolism/
HYDROXYLATION/ HYDROXYSTERIODS,
metabolism/ KETOSTEROIDS, metabolism/
METHODS/ NUCLEAR MAGNETIC
RESONANCE/ *RHIZOPUS, metabolism/
SPECIES SPECIFICITY
265. Bell C, Lang WJ: Neural dopaminergic vasodilator control in the kidney. *Nature [New Biol]* 246:27-9, 7 Nov 73
ATROPINE, pharmacodynamics/ BENZYL
COMPOUNDS, pharmacodynamics/ BLOOD
PRESSURE/ DOPAMINE, antagonists &
inhibitors/ *DOPAMINE, physiology/
ELECTRIC STIMULATION/
ETHYLENEDIAMINES, pharmacodynamics/
FEMORAL ARTERY/ HALOPERIDOL,
pharmacodynamics/ HEART RATE/
HYPOTHALAMUS, physiology/ *KIDNEY,
blood supply/ KIDNEY, innervation/
MESENCEPHALON, physiology/ PYRIDINES,
pharmacodynamics/ REGIONAL BLOOD
FLOW/ RENAL ARTERY/ *VASOMOTOR
SYSTEM, physiology
266. Bellamy D: The thymus in relation to problems of cellular growth and ageing. *Gerontologia* 19:162-84, 1973 (72 ref.)
*AGING/ ANIMAL EXPERIMENTS/ CELL
SURVIVAL/ DEATH/ HUMAN/
HYDROCORTISONE, pharmacodynamics/
LYMPHOCYTES/ MICE/ MITOSIS/
NEOPLASMS, etiology/ REVIEW/ THYMUS
GLAND, cytology/ THYMUS GLAND, drug
effects/ THYMUS GLAND, growth &
development/ THYMUS GLAND, immunology/
*THYMUS GLAND, physiology/ THYMUS
GLAND, transplantation/ TRANSPLANTATION,
HOMOLOGOUS
267. Bellido CA, Cornejo E, Pérez V, et al: Ictericia colestásica prolongada por anticonceptivos orales. *Acta Gastroenterol Latinoam* 5:71-6, Apr-Jun 73 (Spa)
ADULT/ BIOPSY/ CASE REPORT/
*CHOLESTASIS, chemically induced/
CHOLESTASIS, diagnosis/ CHOLESTASIS,
pathology/ *CONTRACEPTIVES, ORAL,
adverse effects/ ENDOPLASMIC RETICULUM/
FEMALE/ HUMAN/ *LIVER, drug effects/
LIVER, pathology/ MICROSCOPY, ELECTRON/
MITOCHONDRIA, LIVER/ PREGNANCY/
PRURITUS, etiology
268. Bellvé AR: Development of mouse embryos with abnormalities induced by parental heat stress. *J Reprod Fertil* 35:393-403, Dec 73
*ABNORMALITIES, etiology/ ANIMAL
EXPERIMENTS/ BLASTOCYST/ CELLS,
CULTURED/ *EMBRYO, growth &
development/ EMBRYO, metabolism/
FEMALE/ FETAL DEATH, etiology/
FLUORESCENCE, metabolism/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ *HEAT/ HUMAN/

AUTHOR SECTION

- HUMIDITY/ MALE/ MICE/ MITOSIS/
NIDATION/ OVULATION, drug effects/
PREGNANCY/ STIMULATION, CHEMICAL/
*STRESS, complications/ TIME FACTORS
269. Belov LN, Kogan ME: Soderzhanie DNK i sintez RNK v iadrakh myshechnykh kletok serdtsa myshei v usloviakh vysotnoi glipoksil i pri vvedenii tiroksina. Tsitologiya 15:722-31, Jun 73 (Rus)
*ALTITUDE/ ANIMAL EXPERIMENTS/
*ANOXIA, metabolism/ AUTORADIOGRAPHY/
CELL NUCLEUS, metabolism/ *DNA,
metabolism/ ENGLISH ABSTRACT/ *HEART,
drug effects/ MALE/ MICE/ MYOCARDIUM,
metabolism/ *RNA, biosynthesis/
*THYROXINE, pharmacodynamics/ TRITIUM/
URIDINE
270. Belson RE, Zervas NT: Demonstration of 5-hydroxytryptamine in blood platelets by a formaldehyde-induced fluorescence technique. Stain Technol 48:311-5, Nov 73
ANIMAL EXPERIMENTS/ *BLOOD
PLATELETS, analysis/ COMPARATIVE
STUDY/ FLUORESCENCE/ FORMALDEHYDE/
HISTOCYTOCHEMISTRY/ INJECTIONS,
INTRAMUSCULAR/ MICROSCOPY,
ULTRAVIOLET/ RABBITS/ RESERPINE,
administration & dosage/ RESERPINE,
pharmacodynamics/ *SEROTONIN, blood
271. Béluša M, Sebáňková H: Pokroky v terapii akutní dětské lymfoblastické leukémie. Cesk Pediatr 28:874-6, Dec 73 (Cze)
ADOLESCENCE/ ANTINEOPLASTIC AGENTS,
administration & dosage/ ANTINEOPLASTIC
AGENTS, therapeutic use/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ INFANT/
*LEUKEMIA, LYMPHOBLASTIC, drug therapy/
MALE/ PREDNISONE, administration &
dosage/ PREDNISONE, therapeutic use/
REMISSION
272. Belz GG, Brech WJ, Kleeberg UR, et al: Characterization and specificity of proscillaridin antibodies. Naunyn-Schmiedeberg's Arch Pharmacol 279:105-14, 14 Sep 73
ANIMAL EXPERIMENTS/ *ANTIBODIES,
analysis/ *ANTIBODY SPECIFICITY/
*BIFANOLIDES/ CARDANOLIDES, analysis/
CHOLESTEROL, analysis/ *DIGITALIS
GLYCOSIDES/ DIGITOXIN, analysis/ DIGOXIN,
analysis/ DOSE-RESPONSE RELATIONSHIP,
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ERYTHROCYTES, immunology/ GEL
DIFFUSION TESTS/ HUMAN/
IMMUNOELECTROPHORESIS/ OUABAIN,
analysis/ PRECIPITINS, analysis/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
RADIOISOTOPES/ RUBIDIUM/ SERUM
ALBUMIN/ SQUILL/ TESTOSTERONE,
analysis/ TRITIUM
273. Belzer FO, Salvatierra O, Perloff D, et al: Surgical correction of advanced fibromuscular dysplasia of the renal arteries. Surgery 75:31-7, Jan 74
ADULT/ ANGIOGRAPHY/
ANTIHYPERTENSIVE AGENTS, therapeutic
use/ CREATININE, blood/
EXTRACORPOREAL CIRCULATION/
FEMALE/ HUMAN/ HYPERTENSION,
complications/ HYPERTENSION, drug therapy/
KIDNEY, transplantation/ METHODS/
MICROSURGERY/ NEPHRECTOMY/ RENAL
ARTERY, pathology/ RENAL ARTERY
OBSTRUCTION, complications/ RENAL
ARTERY OBSTRUCTION, pathology/ RENAL
ARTERY OBSTRUCTION, radiography/
*RENAL ARTERY OBSTRUCTION, surgery/
RENIN, blood/ TRANSPLANTATION,
AUTOLOGOUS
274. en-Ishay D, Dahl LK: Behaviour and sensitivity to experimental hypertension. II. Lack of correlation between certain behavior patterns and hypertension in two new strains of rats. Proc Soc Exp Biol Med 144:857-60, Dec 73
ANIMAL EXPERIMENTS/
DESOXYCORTICOSTERONE/ *EXPLORATORY
- BEHAVIOR/ FEMALE/ HYPERTENSION,
chemically induced/ *HYPERTENSION, familial
& genetic/ MALE/ RATS/ SALTS/ SPECIES
SPECIFICITY
275. Benisch BM, Josephson M: Subacute (giant cell) thyroiditis and giant cell myocarditis in patient with carcinoma of lung. Chest 64:784-5, Dec 73
AUTOIMMUNE DISEASES/ CARCINOMA,
complications/ CARCINOMA, pathology/
HUMAN/ *LUNG NEOPLASMS, complications/
LUNG NEOPLASMS, pathology/ MALE/
MIDDLE AGE/ MYOCARDITIS, complications/
*MYOCARDITIS, pathology/ NEOPLASM
METASTASIS/ THYROIDITIS, complications/
*THYROIDITIS, pathology
276. Benkert O: Biologisch-psychiatrischer Ansatz zur Therapie von Potenzstörungen. Andrologie 5:235-43, 1973 (Ger)
ADULT/ ANIMAL EXPERIMENTS/ BRAIN,
drug effects/ CARBOXY-LYASES, antagonists
& inhibitors/ CLINICAL RESEARCH/
COMPARATIVE STUDY/ DOPA,
pharmacodynamics/ *DOPA, therapeutic use/
DOPAMINE, metabolism/ DRUG THERAPY,
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HUMAN/ *IMPOTENCE, drug therapy/ MALE/
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RATS/ SEROTONIN, antagonists & inhibitors/
SEROTONIN, metabolism/ *SEX BEHAVIOR,
drug effects/ *SEX BEHAVIOR, ANIMAL,
drug effects/ STANOLONE,
pharmacodynamics/ *STANOLONE, therapeutic
use/ STIMULATION, CHEMICAL/
TESTOSTERONE, pharmacodynamics/
TESTOSTERONE, therapeutic use
277. Bennett A, Graddidge CF, Stamford IF: Letter: Prostaglandins, nutmeg and diarrhea. N Engl J Med 290:110-1, 10 Jan 74
ANIMAL EXPERIMENTS/ COLON,
metabolism/ *CONDIMENTS/ DEPRESSION,
CHEMICAL/ DIARRHEA, etiology/ HUMAN/
IN VITRO/ INTESTINAL MUCOSA,
metabolism/ MUSCLE CONTRACTION, drug
effects/ NUTMEG, analysis/ NUTMEG,
pharmacodynamics/ PROSTAGLANDINS,
antagonists & inhibitors/ *PROSTAGLANDINS,
biosynthesis/ RATS/ *STOMACH, drug effects
278. Bennett D, Boyse EA: Sex ratio in progeny of mice inseminated with sperm treated with H-Y antiserum. Nature 246:308-9, 30 Nov 73
ANIMAL EXPERIMENTS/
*ANTIGEN-ANTIBODY REACTIONS/
COMPLEMENT/ FEMALE/
*HISTOCOMPATIBILITY ANTIGENS/ IMMUNE
SERUMS/ INSEMINATION, ARTIFICIAL/
MALE/ MICE/ *SEX CHROMOSOMES/ *SEX
RATIO/ *SPERMATOZOA, immunology
279. Bennett GW, Edwardson JA: Proceedings: Calcium dependent release of hypophysiotropic substances from nerve-endings (synaptosomes) isolated from the hypothalamus. J Endocrinol 59:xv-xvi, Nov 73
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CORTICOTROPIN, metabolism/
*CORTICOTROPIN RELEASING HORMONE,
secretion/ ELECTRIC STIMULATION/
*HYPOTHALAMUS, secretion/ IN VITRO/
*PROLACTIN, antagonists & inhibitors/
PROLACTIN, metabolism/ SHEEP/
*SYNAPTOSOMES, secretion
280. Bennett WM, Bolleau M, Barry JM, et al: Role of splenectomy in renal transplantation. Urology 2:542-5, Nov 73
ANALYSIS OF VARIANCE/
ANTILYMPHOCYTE SERUM, therapeutic use/
AZATHIOPRINE, administration & dosage/
AZATHIOPRINE, therapeutic use/ CADAVER/
CREATININE, blood/ *GRAFT REJECTION/
HUMAN/ INFECTION, complications/
*KIDNEY, transplantation/ POSTOPERATIVE
COMPLICATIONS/ PREDNISOLONE,
administration & dosage/ PREDNISOLONE,
therapeutic use/ *SPLENECTOMY, adverse
effects/ THROMBOEMBOLISM, complications/
TRANSPLANTATION, HOMOLOGOUS

AUTHOR SECTION

281. Bennink MR, Frobish RA, Davis CL, et al: Phenobarbital metabolism in the lactating dairy cow. J Dairy Sci 56:1564-6, Dec 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CATTLE, metabolism/ CHROMATOGRAPHY, GAS/ FECES, analysis/ FEMALE/ *LACTATION/ MILK, analysis/ PHENOBARBITAL, administration & dosage/ PHENOBARBITAL, analysis/ *PHENOBARBITAL, metabolism/ PHENOBARBITAL, urine/ PREGNANCY/ RUMEN/ SPECTROPHOTOMETRY, ULTRAVIOLET
282. Benöhr HC: Ovulationshemmer bei hämolytischer Anämie. Dtsch Med Wochenschr 98:2221, 16 Nov 73 (Ger)
ADOLESCENCE/ *ANEMIA, HEMOLYTIC, therapy/ BLOOD TRANSFUSION/ *CONTRACEPTIVES, ORAL, administration & dosage/ FEMALE/ HUMAN/ MENSTRUATION, drug effects
283. Bensinger RE, Fletcher RT, Chader GJ: Guanylate cyclase: inhibition by light in retinal photoreceptors. Science 183:86-7, 11 Jan 74
ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATTLE/ COMPARATIVE STUDY/ DARK ADAPTATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ GUANOSINE TRIPHOSPHATE, metabolism/ *GUANYL CYCLASE, metabolism/ IN VITRO/ *LIGHT/ LUNG, enzymology/ MANGANESE/ RATS/ *RODS AND CONES, enzymology/ SURFACE-ACTIVE AGENTS/ TRITIUM
284. Bentler W: Rückstände in Lebensmitteln tierischen Ursprungs--vermeldbar oder unvermeidlich. Hippokrates 44:243-68, Oct 73 (Ger)
AIR POLLUTION, RADIOACTIVE/ ANTIBIOTICS/ DAIRY PRODUCTS/ DETERGENTS/ DISINFECTANTS/ ENVIRONMENTAL POLLUTION/ *FOOD ANALYSIS/ *FOOD CONTAMINATION/ FOOD HANDLING/ *FOOD PRESERVATION/ HORMONES/ MEAT/ MYCOTOXINS/ NITRATES/ NITRITES/ TOXINS
285. Berchtold R, Grétilat PA, König MP, et al: Vorstufen bösartiger Geschwülste der Schilddrüse. Helv Chir Acta 40:587-92, Dec 73 (Ger)
CARCINOMA, PAPILLARY, surgery/ CYSTADENOMA, PAPILLARY, etiology/ CYSTADENOMA, PAPILLARY, pathology/ CYTODIAGNOSIS/ GOITER, complications/ HUMAN/ IODINE RADIOISOTOPES, therapeutic use/ PAPILLOMA, etiology/ PAPILLOMA, pathology/ PAPILLOMA, surgery/ POSTOPERATIVE COMPLICATIONS, prevention & control/ *PRECANCEROUS CONDITIONS/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery
286. Berdal P: Die Verätzungsfolgen in der Speiseröhre und deren Behandlung. HNO 21:284-7, Sep 73 (Ger)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *BURNS, CHEMICAL, complications/ BURNS, CHEMICAL, diagnosis/ CHILD/ CHILD, PRESCHOOL/ *CICATRIX, prevention & control/ COLON, transplantation/ ENGLISH ABSTRACT/ ESOPHAGEAL STENOSIS, etiology/ *ESOPHAGEAL STENOSIS, prevention & control/ ESOPHAGEAL STENOSIS, surgery/ ESOPHAGOSCOPY/ *ESOPHAGUS, injuries/ HUMAN/ INFANT/ INTUBATION, GASTROINTESTINAL/ LONG TERM CARE/ MIDDLE AGE/ PENICILLIN, therapeutic use/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS
287. Berenbein BA, Egorkina DA, Romanenko GF: O nekotorykh rezul'tatakh primeneniia geneticheskikh metodov issledovaniia v dermatologii. Vestn Dermatol Venerol 47:43-8, Jul 73 (Rus)
CYTOGENETICS/ DERMATOGLYPHICS/ DISEASES IN TWINS/ ENGLISH ABSTRACT/ HUMAN/ LICHEN PLANUS, familial & genetic/ LUPUS ERYTHEMATOSUS, DISCOID, familial & genetic/ LUPUS ERYTHEMATOSUS, SYSTEMIC, familial & genetic/ SEX CHROMATIN, analysis/ *SKIN DISEASES, familial & genetic/ TISSUE CULTURE/ VITILIGO, familial & genetic
288. Berestov AA, Safronova VI: Nekotorye storony obmena biogenykh monoaminov (katecholaminov i serotoninov) u bol'nykh s mertsatel'noi aritmiej, lechennykh elektropul'som. Sov Med 35:30-3, Oct 72 (Rus)
ADULT/ AGED/ *ARRHYTHMIA, SINUS, metabolism/ ARRHYTHMIA, SINUS, therapy/ AURICULAR FIBRILLATION, metabolism/ AURICULAR FIBRILLATION, therapy/ *CATECHOLAMINES, metabolism/ CATECHOLAMINES, urine/ *ELECTRIC COUNTERSHOCK/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ SEROTONIN, blood/ *SEROTONIN, metabolism/ VENTRICULAR FIBRILLATION, metabolism/ VENTRICULAR FIBRILLATION, therapy
289. Berezhkov LF, Riazanova LL: Gormonal'nye razlichia v prepubertatnom i pubertatnom periodakh. Vopr Okhr Materln Det 18:11-6, Jul 73 (Rus)
ADOLESCENCE/ AGE FACTORS/ *ANDROGENS, physiology/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOID, physiology/ GROWTH/ HUMAN/ MALE/ *PUBERTY/ SEX FACTORS
290. Bergamini E: Criticism about the use of muscles provided with a testosterone-binding protein to evaluate the mitotrophic activity of androgens. Steroids Lipids Res 4:119-21, Mar 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL ASSAY/ CASTRATION/ COMPARATIVE STUDY/ EVALUATION STUDIES/ *GLYCOGEN, metabolism/ MALE/ METHODS/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ MUSCLES, drug effects/ *MUSCLES, metabolism/ PERINEUM/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS
291. Berger H, Glatzl J, Riccabona G, et al: Das Schilddrüsenzintigramm als eine Methode zur Bestimmung der Schilddrüsengrösse bei Kindern aus endemischen Kropfgebieten. Acta Endocrinol [Suppl] (Kbh) 71-2, 1973 (Ger)
AUSTRIA/ CHILD/ DEFICIENCY DISEASES, diagnosis/ DIAGNOSTIC ERRORS/ *GOITER, ENDEMIC, diagnosis/ HUMAN/ IODINE/ IODINE RADIOISOTOPES/ METHODS/ ORGAN WEIGHT/ PALPATION/ RADIOISOTOPE SCANNING/ TECHNETIUM/ THYROID GLAND, anatomy & histology
292. Bergeron JJ, Evans WH, Geschwind II: Insulin binding to rat liver Golgi fractions. J Cell Biol 59:771-6, Dec 73
ANIMAL EXPERIMENTS/ *CELL MEMBRANE, physiology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *GOLGI APPARATUS, metabolism/ *INSULIN, metabolism/ IODINE RADIOISOTOPES/ LIVER, cytology/ MICROSCOPY, ELECTRON/ *MICROSOMES, LIVER, metabolism/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ SODIUM DODECYL SULFATE/ SWINE
293. Bergmann H, Höfer R, Kolarz G, et al: Versuch einer exakten Analyse der Strontiumkinetik in der Hand-Abweichungen von der Norm bei PC. Wien Z Inn Med 54:85-92, 1973 (Ger)
*ARTHRITIS, RHEUMATOID, metabolism/ BONE AND BONES, metabolism/ CHRONIC DISEASE/ *HAND, metabolism/ KINETICS/ *STRONTIUM, metabolism
294. Bergquist NR, Danielsson D: [Evaluation of two different antigen preparations in the fluorescent

AUTHOR SECTION

- antibody test for antinuclear antibodies (ANA). A comparison between two laboratories.
Acta Pathol Microbiol Scand [B] 81:446-52, Aug 73
*ANTIGENS, analysis/ *ANTINUCLEAR FACTORS, analysis/ COMPARATIVE STUDY/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ LEUKOCYTES, immunology/ METHODS/ MICROSCOPY, FLUORESCENCE/ SHEEP, immunology/ THYROID GLAND, immunology
295. Bergsjø P: Oral antikonsepsjon og leverfunksjon. *Tidsskr Nor Lægeforen 93:583-8, 30 Mar 73 (Nor)*
ADULT/ AGED/ CHILE/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DENMARK/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ ESTROGENS, pharmacodynamics/ FEMALE/ HEPATIC VEIN THROMBOSIS, chemically induced/ HUMAN/ *JAUNDICE, chemically induced/ JAUNDICE, pathology/ *LIVER, drug effects/ MIDDLE AGE/ NORWAY/ PROGESTATIONAL HORMONES, adverse effects/ PROGESTATIONAL HORMONES, pharmacodynamics/ PRURITUS, chemically induced/ SWEDEN/ *THROMBOEMBOLISM, chemically induced
296. Bergsjø P: Nytt preparat--minipillen Exlutona. *Tidsskr Nor Lægeforen 93:772, 20 Apr 73 (Nor)*
*CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *LYNDESTRENOL/ LYNDESTRENOL, adverse effects/ PREGNANCY
297. Bergsjø P: Amenoré etter seponering av P-pille. *Tidsskr Nor Lægeforen 93:773-4, 20 Apr 73 (8 ref.) (Nor)*
ADULT/ AMENORRHEA, drug therapy/ *AMENORRHEA, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ PARITY/ REVIEW/ TIME FACTORS
298. Bergsjø P: P-piller og hjerneslag. *Tidsskr Nor Lægeforen 93:2328, 10 Nov 73 (Nor)*
ADOLESCENCE/ ADULT/ *CEREBROVASCULAR DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN
299. Bergsjø P: Rihemmende medikamenter. *Tidsskr Nor Lægeforen 93:2327-30, 10 Nov 73 (25 ref.) (Nor)*
ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ *ALCOHOL, ETHYL, pharmacodynamics/ CALCIUM, antagonists & inhibitors/ DIAZEPAM, pharmacodynamics/ FEMALE/ FETAL DISEASES/ HUMAN/ IPOVERATRIL, pharmacodynamics/ LABOR COMPLICATIONS/ *LABOR, PREMATURE/ MEPERIDINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ ORCIPRENALINE, pharmacodynamics/ PREGNANCY/ PRENYLAMINE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ REVIEW/ *SYMPATHOMIMETICS, pharmacodynamics
300. Bergsjø P: Symposium om "releasing factors". *Tidsskr Nor Lægeforen 93:2052-5, 30 Sep 73 (Nor)*
ANIMAL EXPERIMENTS/ CLINICAL RESEARCH/ CONGRESSES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *LH-FSH RELEASING HORMONE/ MALE/ RATS/ STERILITY, drug therapy/ TIME FACTORS
301. Bergstrand A, Bollgren I, Samuelsson A, et al: Idiopathic nephrotic syndrome of childhood: cyclophosphamide induced conversion from steroid refractory to highly steroid sensitive disease. *Clin Nephrol 1:302-8, Sep-Oct 73*
ADOLESCENCE/ BASEMENT MEMBRANE, immunology/ BETA GLOBULIN/ CHILD/ CHILD, PRESCHOOL/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG RESISTANCE/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GAMMA GLOBULIN/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ IGA/ IGG/ IGM/ INFANT/ KIDNEY GLOMERULUS, immunology/ KIDNEY GLOMERULUS, pathology/ MALE/ MICROSCOPY, ELECTRON/ NEPHROTIC SYNDROME, complications/ *NEPHROTIC SYNDROME, drug therapy/ PREDNISOLONE, pharmacodynamics/ *PREDNISOLONE, therapeutic use/ PROGNOSIS/ PROTEINURIA, complications/ PROTEINURIA, drug therapy/ REMISSION/ SHEEP, immunology
302. Bergström K, Britton M, Hanson LA, et al: IgA deficiency and autoimmune haemolytic anaemia. *Scand J Haematol 11:87-91, 1973*
*AGAMMAGLOBULINEMIA, complications/ AGAMMAGLOBULINEMIA, familial & genetic/ AGED/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, blood/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, etiology/ BIOPSY/ CONSAQUINITY/ COOMBS' TEST/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/ HUMAN/ *IGA, analysis/ IGE, analysis/ IMMUNE SERUMS/ INTESTINAL SECRETIONS, analysis/ JEJUNUM, analysis/ JEJUNUM, pathology/ PREDNISOLONE, therapeutic use/ RABBITS, immunology/ SALIVA, analysis
303. Berle P: Der Wert von Hormonbestimmungen für die Beurteilung der Placentafunktion in der Spätschwangerschaft. *Dtsch Med Wochenschr 98:2146-50, 9 Nov 73 (58 ref.) (Ger)*
DEHYDROEPIANDROSTERONE, diagnostic use/ ESTRIOL, analysis/ FEMALE/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ *PLACENTA, physiology/ PLACENTA DISORDERS, diagnosis/ *PLACENTAL HORMONES, analysis/ PLACENTAL LACTOGEN, analysis/ *PREGNANCY/ PREGNANCY TOXEMIAS, diagnosis/ PREGNANEDIOL, analysis/ *PROGESTATIONAL HORMONES, analysis/ PROGESTERONE, analysis/ REVIEW/ TIME FACTORS
304. Berlinger FG: Hypothyroidism. *Ill Med J 141:537-40, Jun 73*
CHILD/ HUMAN/ *HYPOTHYROIDISM/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, metabolism/ THYROID HORMONES, therapeutic use/ THYROXINE, therapeutic use/ TRIIODOTHYRONINE, therapeutic use
305. Berman LB, Vertes V: The pathophysiology of renin. *Clin Symp 25:1-35, 1973 (11 ref.)*
ALDOSTERONE, physiology/ ANGIOTENSIN, blood/ ANGIOTENSIN, physiology/ ANGIOTENSIN II, physiology/ ANIMAL EXPERIMENTS/ HUMAN/ HYPERALDOSTERONISM, physiolopathology/ HYPERTENSION, blood/ HYPERTENSION, diagnosis/ HYPERTENSION, etiology/ HYPERTENSION, RENAL, physiolopathology/ JUXTAGLOMERULAR APPARATUS, anatomy & histology/ *KIDNEY, physiolopathology/ KIDNEY DISEASES, enzymology/ KIDNEY TUBULES, DISTAL, cytology/ NEPHRECTOMY/ NEPHROSCLEROSIS, complications/ PRESSORECEPTORS, physiolopathology/ RENIN, blood/ RENIN, metabolism/ *RENIN, physiology/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, metabolism
306. Bernard-Will E, Pilleron JP: Association between vasopressin and corticosteroids in the palliative treatment of advanced breast cancer. *Oncology 28:492-508, 1973*
ADULT/ AGED/ BONE NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, drug therapy/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MATHEMATICS/ METHYLPREDNISOLONE, administration &

AUTHOR SECTION

- dosage/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ MODELS, BIOLOGICAL/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT/ REMISSION/ TIME FACTORS/ VASOPRESSIN, administration & dosage/ *VASOPRESSIN, therapeutic use
307. Bernauer W, Liebig R: Plasma corticosteroid levels in anaphylactic shock of guinea pigs. Res Exp Med (Berl) 161:233-42, 22 Oct 73
ACUTE DISEASE/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, administration & dosage/ *ANAPHYLAXIS, blood/ ANAPHYLAXIS, prevention & control/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, administration & dosage/ GUINEA PIGS/ *11-HYDROXYCORTICOSTEROIDS, blood/ MALE/ PHENTOLAMINE, administration & dosage/ PREMEDICATION/ PROPANOLOL, administration & dosage
308. Berndt S, Schwabe U: Effect of psychotropic drugs on phosphodiesterase and cyclic AMP level in rat brain in vivo. Brain Res 63:303-12, 7 Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMITRIPTYLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BRAIN, enzymology/ *BRAIN, metabolism/ CHLORPROMAZINE, pharmacodynamics/ CHLORPROTHIXENE, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ HALOPERIDOL, pharmacodynamics/ IMIPRAMINE, pharmacodynamics/ MALE/ *PHOSPHODIESTERASES, metabolism/ RATS/ THEOPHYLLINE, pharmacodynamics/ *TRANQUILIZING AGENTS, pharmacodynamics/ TRIFLUPROMAZINE, pharmacodynamics/ TRITIUM
309. Bernstein JD, Johnson SL: Effects of diphenylhydantoin upon estrogen metabolism by liver microsomes of DDT-treated Japanese quail. Bull Environ Contam Toxicol 10:309-14, Nov 73
ANIMAL EXPERIMENTS/ *DDT, metabolism/ *DIPHENYLHYDANTOIN, pharmacodynamics/ DRUG INTERACTIONS/ *ESTROGENS, metabolism/ FEMALE/ IN VITRO/ KINETICS/ LIVER, drug effects/ MALE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ NADP, metabolism/ ORGAN WEIGHT/ PROTEINS, biosynthesis/ *QUAIL, metabolism
310. Bernstein RS, Kipnis DM: Regulation of rat hexokinase isoenzymes. II. Effects of growth hormone and dexamethasone. Diabetes 22:923-31, Dec 73
ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ AGING/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CARBON RADIOISOTOPES/ CATTLE/ *DEXAMETHASONE, pharmacodynamics/ FASTING/ GLUCOSE, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ *HEXOKINASE, metabolism/ INSULIN, blood/ ISOENZYMES, metabolism/ RATS/ *SOMATOTROPIN, pharmacodynamics/ TIME FACTORS/ TRIGLYCERIDES, metabolism
311. Berridge MJ: The effects of derivatives of adenosine 3',5'-monophosphate on fluid secretion by the salivary glands of Calliphora. J Exp Biol 59:595-606, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CYTOSINE, pharmacodynamics/ FEMALE/ GUANINE, pharmacodynamics/ HYPOXANTHINES, pharmacodynamics/ *INSECTS/ SALIVARY GLANDS, drug effects/ *SALIVARY GLANDS, secretion/ STRUCTURE-ACTIVITY RELATIONSHIP/ URACIL, pharmacodynamics
312. Berry HK: Letter: Normal radiographic findings in treated phenylketonuric children. J Pediatr 83:175-6, Jul 73
BODY HEIGHT/ *BONE AND BONES, radiography/ CHILD/ CHILD, PRESCHOOL/ DIET THERAPY/ FEMALE/ GROWTH DISORDERS, etiology/ HUMAN/ INFANT NUTRITION DISORDERS, etiology/ MALE/ MENTAL RETARDATION, etiology/ *PHENYLKETONURIA, radiography/ PHENYLKETONURIA, therapy
313. Bershtein LM: Retrospektivnye dannye o vese novorozhdennykh u onkologicheskikh hol'nykh. Vopr Onkol 19:48-54, 1973 (Rus)
ADENOFIBROMA/ ADULT/ *BIRTH WEIGHT/ BREAST NEOPLASMS/ CERVIX NEOPLASMS/ CHORIOCARCINOMA/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE/ HUMAN/ INFANT, NEWBORN/ LEIOMYOMA/ MALE/ MELANOMA/ MIDDLE AGE/ *NEOPLASMS/ OVARIAN NEOPLASMS/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RETROSPECTIVE STUDIES/ STOMACH NEOPLASMS/ UTERINE NEOPLASMS
314. Berthaux P: Immunologie des désordres auto-immunitaires. Bull Soc Sci Med Grand Duche Luxemb 110:165-73, Nov 73 (Fre)
ANEMIA, PERNICIOUS, immunology/ ANTIGENS/ AUTOANTIBODIES/ AUTOIMMUNE DISEASES, diagnosis/ AUTOIMMUNE DISEASES, etiology/ *AUTOIMMUNE DISEASES, immunology/ AUTOIMMUNE DISEASES, physiopathology/ CELL MIGRATION INHIBITION/ ENDOCRINE DISEASES, immunology/ HUMAN/ IMMUNITY, CELLULAR/ IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ LEUKOCYTES/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ LYMPHOCYTE TRANSFORMATION/ METHODS/ MULTIPLE SCLEROSIS, immunology/ MYASTHENIA GRAVIS, immunology/ POLYRADICULITIS, immunology/ SERODIAGNOSIS
315. Besser GM: ACTH and MSH assays and their clinical application. Clin Endocrinol (Oxf) 2:175-86, Apr 73 (55 ref.)
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHEMORECEPTORS/ *CORTICOTROPIN, analysis/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ EVALUATION STUDIES/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYPOPHYSECTOMY/ *MSH, analysis/ RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, standards/ RATS/ REVIEW
316. Betteridge A, Wallis M: Biosynthesis of growth hormone in the rat anterior pituitary gland. Stimulation of biosynthesis in vitro by insulin. Biochem J 134:1103-13, Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ CARBON RADIOISOTOPES/ DACTINOMYCIN, pharmacodynamics/ FRUCTOSE, metabolism/ GLUCOSE, pharmacodynamics/ IN VITRO/ *INSULIN, pharmacodynamics/ IODINE RADIOISOTOPES/ LEUCINE, metabolism/ MALE/ OXIDATION-REDUCTION/ PHLORHIZIN, pharmacodynamics/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ RATS/ RNA, biosynthesis/ *SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, metabolism/ TRITIUM
317. Betz E: Radiopathology of external irradiation. Curr Top Radiat Res 9:30-4, Oct 73
ANIMAL EXPERIMENTS/ BONE MARROW CELLS, radiation effects/ CAPILLARIES, radiation effects/ CELLS, radiation effects/ CIRCADIAN RHYTHM/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ INTESTINES, radiation effects/ MALE/ MITOSIS/ *RADIATION EFFECTS/ RATS/ TESTIS, radiation effects
318. Betz EH: Tumeurs et état hormonal: données expérimentales. Rev Med Liege 28:657-9, Oct 73 (Fre)
ANIMAL EXPERIMENTS/ *ENDOCRINE

AUTHOR SECTION

- DISEASES, complications/ *HORMONES, metabolism/ HORMONES, pharmacodynamics/ *NEOPLASMS, complications/ NEOPLASMS, metabolism/ NEOPLASMS, EXPERIMENTAL
319. Beumont PJ, Carr PJ, Gelder MG: Plasma levels of luteinizing hormone and of immunoreactive oestrogens (oestradiol) in anorexia nervosa: response to clomiphene citrate. *Psychol Med* 3:495-501, Nov 73
ADOLESCENCE/ ADULT/ AMENORRHEA, blood/ AMENORRHEA, complications/ AMENORRHEA, drug therapy/ *ANOREXIA NERVOSA, blood/ ANOREXIA NERVOSA, complications/ *BODY WEIGHT/ *CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ EMACIATION, blood/ ESTRADIOL, analysis/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ LH, analysis/ *LH, blood/ *MENSTRUATION, drug effects/ PERIODICITY/ RADIOIMMUNOASSAY
320. Beyth Y: Hypofibrinogenemia in hydatidiform mole. *J Reprod Med* 11:223-4, Nov 73
ADULT/ *AFIBRINOGENEMIA, complications/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, blood/ HYDATIDIFORM MOLE, complications/ PREGNANCY
321. Bezborod'ko BN, Shekhunova MI, Sellvonenko VG: Primenenie al'daktona i veroshpirona v kompleksnoy terapii bol'nykh s narusheniem krovoobrashcheniya. *Ter Arkh* 45:84-6, Jan 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ *ALDOSTERONE, antagonists & inhibitors/ ARTERIOSCLEROSIS, drug therapy/ CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ *HEART DISEASES, drug therapy/ HUMAN/ HYPERTENSION, drug therapy/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ RHEUMATIC HEART DISEASE, drug therapy/ SODIUM, blood/ SPIRONOLACTONE, pharmacodynamics/ *SPIRONOLACTONE, therapeutic use/ WATER-ELECTROLYTE BALANCE, drug effects
322. Bezborodko RN, Sellvonenko VG, Shekhunova MI: Villanie novurita na elektrolitnyy obmen pri khronicheskoy serdechnoy nedostatochnosti. *Vrach Delo* 8:65-7, Aug 73 (Rus)
CALCIUM, metabolism/ CHRONIC DISEASE/ *DIURETICS, pharmacodynamics/ ENGLISH ABSTRACT/ HEART DISEASES, metabolism/ *HEART FAILURE, CONGESTIVE, metabolism/ HUMAN/ MAGNESIUM, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE
323. Beznak M, Paterson RA, Valadares JR, et al: Proceedings: Cardiac responses to pituitary and thyroid hormones. *Br J Pharmacol* 44:333P-334P, Feb 72
ANIMAL EXPERIMENTS/ FLUOROACETATES, pharmacodynamics/ FLUOROMETRY/ GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE, metabolism/ GLYCOLYSIS, drug effects/ *HEART, drug effects/ HEXOKINASE, metabolism/ HYPOPHYSECTOMY/ HYPOTHYROIDISM, metabolism/ MYOCARDIUM, enzymology/ PHOSPHOFRUCTOKINASE, metabolism/ PITUITARY GLAND, physiology/ *PITUITARY HORMONES, pharmacodynamics/ PYRUVATE KINASE, metabolism/ RATS/ SOMATOTROPIN, pharmacodynamics/ *THYROID HORMONES, pharmacodynamics
324. Bezverkhala TP, Efimov AS, Povolotskaya GM: Glukokortikoidnaya aktivnost' kory nadpochechnikov u bol'nykh sakharnym diabetom v vozzrastnom. *Probl Endokrinol (Mosk)* 19:3-8, Nov-Dec 73 (Rus)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, metabolism/ ADULT/ AGE FACTORS/ AGED/ CHROMATOGRAPHY, THIN LAYER/ *DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, JUVENILE, metabolism/ ENGLISH ABSTRACT/ FLUOROMETRY/ *GLUCOCORTICOIDS, metabolism/ HUMAN/
- 17-HYDROXYCORTICOSTEROIDS, urine/ MIDDLE AGE/ *OBESITY IN DIABETES, metabolism
325. Bhalla VK, Reichert LE Jr: Properties of follicle-stimulating hormone-receptor interactions. Specific binding of human follicle-stimulating hormone to rat testes. *J Biol Chem* 249:43-51, 10 Jan 74
AGING/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL ASSAY/ CALCIUM, pharmacodynamics/ FEMALE/ *FSH, metabolism/ GONADOTROPINS, CHORIONIC/ HUMAN/ IODINE RADIOISOTOPES/ KINETICS/ LEYDIG CELLS, metabolism/ LH, metabolism/ MAGNESIUM, pharmacodynamics/ MALE/ ORGAN SPECIFICITY/ OSMOLAR CONCENTRATION/ OVARY, metabolism/ PROTEIN BINDING/ RADIOLOGAND ASSAY/ RATS/ *RECEPTORS, HORMONE, drug effects/ TEMPERATURE/ TESTIS, drug effects/ TESTIS, growth & development/ *TESTIS, metabolism
326. Bhambhani R, Kuspira J, Giblak RE: A comparison of cell survival and chromosomal damage using CHO cells synchronized with and without colcemid. *Can J Genet Cytol* 15:605-18, Sep 73
CELL LINE/ CELL SURVIVAL/ *CELLS, CULTURED, cytology/ CELLS, CULTURED, radiation effects/ *CHROMOSOME ABERRATIONS/ *COLCHICINE, pharmacodynamics/ COMPARATIVE STUDY/ CYTOLOGICAL TECHNIQUES/ DNA, hlosynthesis/ FEMALE/ HAMSTERS/ METHODS/ MITOSIS/ OVARY/ *RADIATION EFFECTS/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM
327. Bhanalaph T, McGarry MP, Mirand EA, et al: Renin production in isolated canine liver-kidney perfusion after treatment of donor animals. *Urology* 2:509-13, Nov 73
ANIMAL EXPERIMENTS/ BILE, analysis/ CARBON TETRACHLORIDE, pharmacodynamics/ CONSTRICTION/ DESOXYCORTICOSTERONE, pharmacodynamics/ DOGS/ HEPATIC ARTERY, physiology/ *KIDNEY, metabolism/ KIDNEY, physiology/ LIVER, drug effects/ *LIVER, metabolism/ LIVER, physiology/ METHODS/ PERFUSION/ RENAL ARTERY, physiology/ RENAL VEINS, physiology/ RENIN, analysis/ RENIN, blood/ *RENIN, metabolism/ RENIN, urine/ VENA CAVA, INFERIOR
328. Bhansali KG, Besch PK: The appearance of some blood-borne substances during human pregnancy. *Am J Pharm* 145:201-5, Nov-Dec 73
ALKALINE PHOSPHATASE, blood/ *BLOOD/ ESTROGENS, blood/ FEMALE/ HISTAMINASE, blood/ HUMAN/ OXYTOCINASE, blood/ PLACENTAL LACTOGEN, blood/ *PREGNANCY/ PROGESTERONE, blood
329. Bhatia P, Pal RA, Varma KP: XO karyotype in a phenotypic male. *Humangenetik* 19:337-40, 20 Sep 73
ADULT/ HERMAPHRODITISM/ HUMAN/ KARYOTYPING/ MALE/ MOSAICISM/ *PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES
330. Bhoola KD, Dorey G, Jones CW: The influence of androgens on enzymes (chymotrypsin and trypsin-like proteases, renin, kallikrein and amylase) and on cellular structure of the mouse submaxillary gland. *J Physiol (Lond)* 235:503-22, Dec 73
AGE FACTORS/ *AMYLASE, metabolism/ *ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ CHYMOTRYPSIN, metabolism/ CYTOPLASMIC GRANULES, physiology/ FEMALE/ KALLIKREIN, metabolism/ MALE/ MICE/ *PEPTIDE PEPTIDOHYDROLASES, metabolism/ RENIN, metabolism/ SEX FACTORS/ SUBMANDIBULAR GLAND, drug effects/ *SUBMANDIBULAR GLAND, enzymology/ TESTOSTERONE, pharmacodynamics/ TRYPSIN, metabolism

AUTHOR SECTION

331. Blanchine JW: Noonan syndrome and trisomy 21 mongolism in sibs. *Am J Dis Child* 126:823-8, Dec 73
*ABNORMALITIES, MULTIPLE/
ADOLESCENCE/ CHILD/ *CHROMOSOMES,
HUMAN, 21-22/ FEMALE/ HUMAN/ MALE/
MONGOLISM, etiology/ *MONGOLISM, familial
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genetic/ SEX DIFFERENTIATION
DISORDERS, familial & genetic/ SYNDROME/
*TRISOMY/ *TURNER'S SYNDROME, familial
& genetic
332. Bick YA, Murtagh C, Sharman GB: The chromosomes
of an egg-laying mammal *Tachyglossus aculeatus* (the
echidna). *Cytobios* 7:233-43, Jul-Aug 73
ANIMAL EXPERIMENTS/ BONE MARROW
CELLS/ CHROMOSOME MAPPING/
*CHROMOSOMES/ FEMALE/ GENOTYPE/
KARYOTYPING/ MALE/ *MAMMALS/
MEIOSIS/ MITOSIS/ MONOTREMATA/ SEX
CHROMOSOMES/ SEX RATIO/ TESTIS,
cytology
333. Bidlingmaier F, Knorr D: Plasma testosterone and
estrogens in pubertal gynecomastia.
Z Kinderheilkd 115:89-94, 9 Aug 73
ADOLESCENCE/ ESTRADIOL, blood/
*ESTROGENS, blood/ ESTRONE, blood/
*GYNECOMASTIA, blood/ HUMAN/
KARYOTYPING/ MALE/ PUBERTY/
*TESTOSTERONE, blood
334. Bielanska-Osuchowska Z: Oogonia and oocytes
degeneration and the nutritive macrophages in the
process of the development of the ovary in embryos of
the domestic pig (*Sus scrofa* dom. L.).
Z Anat Entwicklsgesch 142:37-52, 1973
ANIMAL EXPERIMENTS/ CHROMATIN/ DNA,
analysis/ FEMALE/ HISTOCYTOCHEMISTRY/
*MACROPHAGES/ MEIOSIS/ MITOSIS/
*OVARY, embryology/ *OVUM/ RNA, analysis/
*SWINE, embryology
335. Blerich JR: Erkrankungen der Adneohypophyse;
Wachstumsstörungen.
Monatsschr Kinderheilkd 121:647-51, Oct 73 (Ger)
ADOLESCENCE/ CRANIOPHARYNGIOMA,
complications/ CUSHING'S SYNDROME,
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DWARFISM, diagnosis/ DWARFISM, drug
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PRECOCIOUS, diagnosis/ PUBERTY,
PRECOCIOUS, drug therapy/ TESTOSTERONE,
therapeutic use/ TIME FACTORS/ TURNER'S
SYNDROME, complications
336. Bilezikian JP, Aurbach GD: The effects of nucleotides
on the expression of beta-adrenergic adenylate
cyclase activity in membranes from turkey
erythrocytes. *J Biol Chem* 249:157-61, 10 Jan 74
*ADENYL CYCLASE, blood/ ANIMAL
EXPERIMENTS/ BINDING SITES/
CATECHOLAMINES, pharmacodynamics/ CELL
MEMBRANE, drug effects/ CELL MEMBRANE,
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ERYTHROCYTES, cytology/ ERYTHROCYTES,
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FLUORIDES, pharmacodynamics/ GUANOSINE
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ISOPROTERENOL, pharmacodynamics/
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pharmacodynamics/ PHOSPHORUS
RADIOISOTOPES/ PROPRANOLOL,
pharmacodynamics/ PROTEIN BINDING/
*RECEPTORS, ADRENERGIC, drug effects/
TURKEYS
337. Bille N: Possible aetiological factors of calciphylaxis in
pigs. *Nord Vet Med* 25:377-82, Jul-Aug 73
ANIMAL EXPERIMENTS/ CALCIFICATION,
PHYSIOLOGIC, drug effects/
CALCIPHYLAXIS, chemically induced/
*CALCIPHYLAXIS, veterinary/ CALCIUM,
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FREEZING/ IRON-DEXTRAN COMPLEX,
pharmacodynamics/ PHOSPHORUS, blood/
SWINE/ *SWINE DISEASES, chemically
induced/ VITAMIN A, pharmacodynamics
338. Billson FA: The clinical significance of optic nerve
hypoplasia. *Trans Ophthalmol Soc NZ* 25:179-80, 1973
ABNORMALITIES, MULTIPLE/ DWARFISM,
PITUITARY, complications/ FEMALE/
HUMAN/ INFANT/ INFANT, NEWBORN/
MALE/ NYSTAGMUS, complications/ *OPTIC
NERVE, abnormalities/ SEPTUM
PELLUCIDUM, abnormalities/ STRABISMUS,
complications
339. Bindon BM, Pennycuik PR: Differences in ovarian
sensitivity of mice selected for fecundity.
J Reprod Fertil 36:221-4, Jan 74
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ FEMALE/ *FERTILITY/
*GONADOTROPINS, CHORIONIC,
pharmacodynamics/ *GONADOTROPINS,
EQUINE, pharmacodynamics/
HYPOPHYSECTOMY/ MICE/ MICE, INBRED
STRAINS/ *OVARY, drug effects/
OVULATION, drug effects
340. Bing J: Rapid marked increase in plasma renin in rats
treated with inhibitors of the renin system. Effects of
1-sar-8-ala-angiotensin II and of a synthetic
converting enzyme inhibitor (nonapeptide, SQ 20.881)
on normal and adrenalectomized rats.
Acta Pathol Microbiol Scand [A] 81:376-8, May 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ *ANGIOTENSIN II,
antagonists & inhibitors/ ANGIOTENSIN II,
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DEPRESSION, CHEMICAL/ FEMALE/
*PEPTIDES, pharmacodynamics/
RADIOIMMUNOASSAY/ RATS/ *RENIN,
blood/ RENIN, metabolism/ STIMULATION,
CHEMICAL/ TIME FACTORS
341. Bing J, Nielsen K: Cause of the prolonged pressor
action of renin in nephrectomized rats. Elucidated by
means of anti-angiotensin II and of
angiotensin-inhibitor (1-sar-8-ala-angiotensin II).
Acta Pathol Microbiol Scand [A] 81:247-53, May 73
AMOBARBITAL/ ANESTHESIA, GENERAL/
ANGIOTENSIN, antagonists & inhibitors/
*ANGIOTENSIN, pharmacodynamics/
ANGIOTENSIN II, antagonists & inhibitors/
*ANGIOTENSIN II, pharmacodynamics/
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PRESSURE, drug effects/ COMPARATIVE
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KIDNEY, physiology/ NEPHRECTOMY/ RATS/
RENIN, blood/ *RENIN, pharmacodynamics/
STIMULATION, CHEMICAL/ TIME FACTORS
342. Bing J, Nielsen K: Role of the renin-system in normo-
and hypertension. Effect of angiotensin-inhibitor
(1-sar-8-ala-angiotensin II) on the blood pressure of
conscious or anaesthetized normal, nephrectomized
and renal hypertensive rats.
Acta Pathol Microbiol Scand [A] 81:254-62, May 73
AMOBARBITAL/ ANESTHESIA, GENERAL/
ANGIOTENSIN II, antagonists & inhibitors/
*ANGIOTENSIN II, pharmacodynamics/
ANGIOTENSIN II, therapeutic use/ ANIMAL
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HYPERTENSION, RENAL, drug therapy/
*HYPERTENSION, RENAL, physiopathology/
*KIDNEY, physiology/ NEPHRECTOMY/
RATS/ RENAL ARTERY, physiology/ *RENIN,
physiology/ TIME FACTORS
343. Binkley SA, Klein DC, Weller JL: Dark induced increase
in pineal serotonin N-acetyltransferase activity: a
refractory period. *Experientia* 29:1339-40, 15 Nov 73
*ACETYLTRANSFERASES, metabolism/

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ *CIRCADIAN RHYTHM/ *DARKNESS/ FEMALE/ ISOPROTERENOL, pharmacodynamics/ *PINEAL BODY, enzymology/ RATS/ SEROTONIN/ TIME FACTORS
344. Birch NJ: Letter: The role of magnesium and calcium in the pharmacology of lithium. *Blot Psychiatry* 7:269-72, Dec 73
*CALCIUM/ CALCIUM, metabolism/ CHEMISTRY/ HUMAN/ *LITHIUM/ LITHIUM, pharmacodynamics/ LITHIUM, therapeutic use/ *MAGNESIUM/ MAGNESIUM, metabolism/ METABOLISM, drug effects/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy
345. Bird R, Abiodun MO: Measurement of serum percentage free thyroxine by equilibrium dialysis and ion-exchange chromatography. *Clin Chim Acta* 48:323-7, 30 Oct 73
CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ DIALYSIS/ EVALUATION STUDIES/ HUMAN/ IODINE RADIOISOTOPES/ MAGNESIUM/ METHODS/ *THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood
346. Birkhäuser M, Gallard R, Riondel AM, et al: Effect of volume expansion by hyperosmolar and hyperoncotic solutions under constant infusion of angiotensin II on plasma aldosterone in man and its counterbalance by potassium administration. *Eur J Clin Invest* 3:307-16, Jul 73
*ALDOSTERONE, blood/ *ANGIOTENSIN, pharmacodynamics/ *BLOOD VOLUME, drug effects/ DEXTRAN, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HUMAN/ MALE/ MANNITOL, pharmacodynamics/ *POTASSIUM, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS
347. Biró L, Szebeni A, Császár G: The examination of intrinsic heart rate in the differential diagnosis of hyperthyroidism and vegetative dystonia, in hypertension and in congestive heart failure due to coronary sclerosis. *Int J Clin Pharmacol* 8:126-30, Oct 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ATROPINE, diagnostic use/ CHILD/ CORONARY DISEASE, complications/ CORONARY DISEASE, diagnosis/ CORONARY DISEASE, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ *DYSTONIA MUSCULORUM DEFORMANS, diagnosis/ DYSTONIA MUSCULORUM DEFORMANS, physiopathology/ *HEART BLOCK, chemically induced/ HEART FAILURE, CONGESTIVE, etiology/ *HEART FAILURE, CONGESTIVE, physiopathology/ *HEART RATE/ HUMAN/ *HYPERTENSION, diagnosis/ HYPERTENSION, physiopathology/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, physiopathology/ MIDDLE AGE/ PROPRANOLOL, diagnostic use
348. Bishop CL, Flack JD: Proceedings: The use of drugs to elucidate the mechanism of luteolysis in the pseudopregnant rat. *J Reprod Fertil* 35:597-8, Dec 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ DEPRESSION, CHEMICAL/ *ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ *INDOMETHACIN, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ *PSEUDOPREGNANCY, drug effects/ RATS
349. Bismuth C: Utilisation des corticoïdes dans le choc toxique. *Eur J Toxicol* 6:168-70, May-Jun 73 (Fre)
*ADRENAL CORTEX HORMONES, therapeutic use/ AMINOPHYLLINE, therapeutic use/ ANAPHYLAXIS, drug therapy/ BLOOD PRESSURE/ BRADYKININ, pharmacodynamics/ BRAIN EDEMA, etiology/ DEGLUTINATION/ ENGLISH ABSTRACT/ EPINEPHRINE, therapeutic use/ GASTRIC JUICE/ HISTAMINE, pharmacodynamics/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPERSENSITIVITY/ PULMONARY ALVEOLI, physiopathology/ RESPIRATORY TRACT DISEASES, etiology/ RESPIRATORY TRACT DISEASES, physiopathology/ SEROTONIN, pharmacodynamics/ SHOCK, TOXIC, complications/ *SHOCK, TOXIC, drug therapy
350. Bitensky MW, Miki N, Marcus FR, et al: The role of cyclic nucleotides in visual excitation. *Life Sci* 13:1451-72, 1 Dec 73 (37 ref.)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ DARKNESS/ ENZYME ACTIVATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ LIGHT/ MODELS, BIOLOGICAL/ PHOSPHODIESTERASES, metabolism/ PHOTORECEPTORS, metabolism/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ RECEPTORS, HORMONE/ RETINA, enzymology/ REVIEW/ RODS AND CONES, cytology/ RODS AND CONES, metabolism/ SODIUM, metabolism/ *VISION
351. Bitny-Szlachto S, Panfil B: Letter: Bone marrow ATP levels in mice treated with radioprotective drugs. *Acta Pol Pharm* 30:555-8, Oct 73
*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BONE MARROW, metabolism/ CYTAMINE, pharmacodynamics/ FEMALE/ MERCAPTOETHYLAMINES, pharmacodynamics/ MICE/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ SEROTONIN, pharmacodynamics
352. Bito LZ, Roberts JC: The effects of hibernation on the chemical composition of cerebrospinal and intraocular fluids, blood plasma and brain tissue of the woodchuck (*Marmota monax*). *Comp Biochem Physiol* [A] 47:183-93, Jan 74
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ *BLOOD/ BLOOD-BRAIN BARRIER/ BODY FLUIDS, metabolism/ *BRAIN, metabolism/ CALCIUM, metabolism/ *CEREBROSPINAL FLUID/ *EYE, metabolism/ GLUCOSE, metabolism/ GLUTAMATES, metabolism/ GLUTAMINE, metabolism/ *HIBERNATION/ LACTATES, metabolism/ MAGNESIUM, metabolism/ OSMOLAR CONCENTRATION/ POTASSIUM, metabolism/ PROTEINS, metabolism/ *RODENTS, metabolism/ RODENTS, physiology/ SODIUM, metabolism/ WATER, metabolism
353. Bitter RA, Hootman J, Nielsen TW: Fast Fourier transform analysis of the circadian rhythm of urinary 11-hydroxycorticosteroids in laboratory rats exposed to high environmental pressures of helium and oxygen. *Aerosp Med* 44:1261-3, Nov 73
ANIMAL EXPERIMENTS/ *ATMOSPHERIC PRESSURE/ *CIRCADIAN RHYTHM/ ENVIRONMENT/ *HELIUM/ *11-HYDROXYCORTICOSTEROIDS, urine/ *OXYGEN/ RATS
354. Blizer VA, Proshin VV: O roli ednomomentnoi mekhanicheskoi traumy v vozniknovenii pervichnoi osteogennoi sarkomy. *Ortop Travmatol Protez* 34:55-9, May 73 (Rus)
ADOLESCENCE/ ADULT/ *BONE AND BONES, injuries/ *BONE NEOPLASMS, etiology/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *SARCOMA, OSTEOGENIC, etiology/ WOUNDS AND INJURIES, complications
355. Bjersing L, Frankendal B, Angström T: Studies on a feminizing ovarian mesenchymoma (granulosa cell tumor). I. Aspiration biopsy cytology, histology, and ultrastructure. *Cancer* 32:1360-9, Dec 73
AGED/ BIOPSY, NEEDLE/ CASE REPORT/

AUTHOR SECTION

- ESTROGENS, secretion/ FEMALE/
*GRANULOSA CELL TUMOR, pathology/
GRANULOSA CELL TUMOR, physiochemistry/
HUMAN/ MICROSCOPY, ELECTRON/
NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ *OVARIAN NEOPLASMS,
pathology/ OVARIAN NEOPLASMS,
physiochemistry/ *OVARY, pathology
356. Björkman N: Fine structure of the fetal-maternal area of exchange in the epitheliochorial and endotheliochorial types of placentation. *Acta Anat (Basel)* 86:Suppl 61:1-22, 1973 (69 ref.)
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CAPILLARIES/ CATS/ CATTLE/ DOGS/ EPITHELIUM, anatomy & histology/ FEMALE/ HORSES/ *MATERNAL-FETAL EXCHANGE/ MICROSCOPY, ELECTRON/ PINOCYTOSIS/ *PLACENTA, anatomy & histology/ PLACENTA, blood supply/ PLACENTA, enzymology/ PLACENTA, metabolism/ PREGNANCY/ REVIEW/ SHEEP/ SWINE/ TROPHOBLAST, anatomy & histology/ UTERUS, anatomy & histology
357. Björkman U, Ekholm R: Thyroglobulin synthesis and intracellular transport studied in bovine thyroid slices. *J Ultrastruct Res* 45:231-53, Nov 73
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CARBON RADIOISOTOPES/ CATTLE/ CELL FRACTIONATION/ CENTRIFUGATION, DENSITY GRADIENT/ CULTURE MEDIA/ ENDOPLASMIC RETICULUM, metabolism/ LEUCINE, metabolism/ MICROSCOPY, ELECTRON/ MICROSOMES, analysis/ MICROSOMES, enzymology/ MICROSOMES, metabolism/ NUCLEOTIDASES, metabolism/ PHOSPHOLIPIDS, analysis/ PROTEINS, analysis/ RNA, analysis/ STAINS AND STAINING/ THYROGLOBULIN, biosynthesis/ *THYROGLOBULIN, metabolism/ THYROID GLAND, analysis/ THYROID GLAND, cytology/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism
358. Björntorp P, Jönge K de, Sjöström L, et al: Physical training in human obesity. II. Effects on plasma insulin in glucose-intolerant subjects without marked hyperinsulinemia. *Scand J Clin Lab Invest* 32:41-5, Aug 73
ADULT/ *BLOOD SUGAR/ BODY COMPOSITION/ BODY WATER, analysis/ BODY WEIGHT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, blood/ 17-KETOSTEROIDS, urine/ LIPIDS, analysis/ MALE/ MIDDLE AGE/ MUSCLES, enzymology/ *OBESITY, metabolism/ OXYGEN CONSUMPTION/ *PHYSICAL EDUCATION AND TRAINING/ POTASSIUM, analysis/ SUCCINATE DEHYDROGENASE, analysis/ TIME FACTORS
359. Black MM, Shuster S, Bottoms E: Skin collagen and thickness in Cushing's syndrome. *Arch Dermatol Forsch* 246:365-8, 28 May 73
BIOPSY/ *COLLAGEN, metabolism/ *CUSHING'S SYNDROME, metabolism/ CUSHING'S SYNDROME, pathology/ HUMAN/ HYDROXYPROLINE, metabolism/ SKIN, metabolism/ *SKIN, pathology
360. Blackard CE, Byar DP, Jordan WP Jr: Orchiectomy for advanced prostatic carcinoma. A reevaluation. *Urology* 1:553-60, Jun 73
ACID PHOSPHATASE, blood/ ADENOCARCINOMA, complications/ ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, mortality/ ADENOCARCINOMA, pathology/ *ADENOCARCINOMA, therapy/ ADMINISTRATION, ORAL/ *CASTRATION/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, therapeutic use/ EVALUATION STUDIES/ HUMAN/ MALE/ NEOPLASM METASTASIS/ PAIN, etiology/ PLACEBO/ PROSTATIC NEOPLASMS, complications/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, mortality/ PROSTATIC NEOPLASMS, pathology/ *PROSTATIC NEOPLASMS, therapy/ TIME FACTORS/ URETERAL OBSTRUCTION, etiology
361. Blahoš J, Pečený J, Vojtišek O, et al: Stav štítné žlázy v průběhu progresivní polyartritidy. *Fysiatr Reumatol Vestn* 51:351-4, Dec 73 (Cze)
*ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, physiochemistry/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *THYROID DISEASES, etiology/ THYROID GLAND, physiochemistry/ THYROID GLAND FUNCTION TESTS
362. Blähsner S: Zur Morphologie und Funktion der Calcitoninzellen (C-Zellen) der Ratte. Die biologische Wirkung roher Schilddrüsenextrakte in Abhängigkeit von der Ernährung. *Endokrinologie* 61:179-94, May 73 (Ger)
ANIMAL EXPERIMENTS/ BLOOD PROTEINS, analysis/ *CALCITONIN, physiology/ CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ MALE/ NUTRITION/ PHOSPHORUS, blood/ RATS/ SEX FACTORS/ *THYROID GLAND, physiology/ TISSUE EXTRACTS
363. Blake J, Li CH: Adrenocorticotropin. 45. Synthesis and steroidogenic activity of (1-alanine)adrenocorticotropin-(1-20)-amide, (1-D-alanine)adrenocorticotropin-(1-20)-amide, and (1-14C)alanine)adrenocorticotropin-(1-20)-amide. *J Med Chem* 17:233-5, Feb 74
ADRENAL GLANDS, metabolism/ ALANINE, analysis/ *ALANINE, chem synthesis/ ALANINE, pharmacodynamics/ AMIDES, analysis/ AMIDES, chem synthesis/ AMIDES, pharmacodynamics/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, ION EXCHANGE/ CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, chem synthesis/ CORTICOTROPIN, pharmacodynamics/ HYPOPHYSECTOMY/ OPTICAL ROTATION/ RATS/ STIMULATION, CHEMICAL
364. Blakeley AG, Powis G, Summers RJ: Proceedings: Uptake of (L)-noradrenaline in the isolated cat heart perfused with blood containing desmethylimipramine (DMI) and 17-beta-oestradiol (17beta0). *J Physiol (Lond)* 234:108P-109P, Oct 73
ANIMAL EXPERIMENTS/ BLOOD/ CATS/ DENERVATION/ DEPRESSION, CHEMICAL/ *DESIPRAMINE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ HEART, innervation/ IN VITRO/ *MYOCARDIUM, metabolism/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, metabolism/ PERFUSION/ PHENOXYBENZAMINE, pharmacodynamics/ SPLEEN, metabolism/ TRITIUM
365. Blau SP: Letter: Metabolism of gold during lactation. *Arthritis Rheum* 16:777-8, Nov-Dec 73
ADULT/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, metabolism/ ERYTHROCYTES, analysis/ FEMALE/ GOLD, analysis/ GOLD, blood/ *GOLD, metabolism/ GOLD, therapeutic use/ GOLD, urine/ HUMAN/ INFANT, NEWBORN/ *LACTATION/ MILK, HUMAN, analysis/ PREGNANCY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION
366. Bleher EA: Indikation und Ergebnisse der Strahlenbehandlung des Bronchialkarzinoms. *Schweiz Med Wochenschr* 103:1867-73, 29 Dec 73 (Ger)
AGED/ *BRONCHIAL NEOPLASMS, radiotherapy/ BRONCHIAL NEOPLASMS, surgery/ *CARCINOMA, EPIDERMAL, radiotherapy/ CARCINOMA, EPIDERMAL, surgery/ *CARCINOMA, OAT CELL,

AUTHOR SECTION

- radiotherapy/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC
METASTASIS/ MIDDLE AGE/ PALLIATIVE
TREATMENT/ PNEUMONECTOMY/
POSTOPERATIVE CARE/ PREOPERATIVE
CARE/ RADIO THERAPY DOSAGE/
TERMINAL CARE/ TIME FACTORS
367. Bleuler P, Stocker H, Akovblantz A: Zum
Gardner-Syndrom.
Helv Chir Acta 40:755-9, Dec 73 (Ger)
ADULT/ AUTOSOME ABNORMALITIES,
diagnosis/ *BONE NEOPLASMS, diagnosis/
CASE REPORT/ FEMALE/ HUMAN/
*INTESTINAL POLYPS, familial & genetic/
*OSTEOMALACIA, familial & genetic/ *SKIN
NEOPLASMS, diagnosis/ SYNDROME
368. Blichert-Toft M, Hasner E: Kirurgisk behandling af
Cushing's syndrom.
Ugeskr Laeger 135:1009-11, 21 May 73 (Dan)
ADRENALECTOMY/ CUSHING'S SYNDROME,
etiology/ *CUSHING'S SYNDROME, surgery/
ENGLISH ABSTRACT/ HUMAN/ METHODS/
POSTOPERATIVE COMPLICATIONS
369. Blinova LI: Vozrastnye osobennosti vnutrigrannogo
limfaticheskogo rusla nadpocheknikov cheloveka.
Arkh Anat Gistol Embriol 64:41-5, Jun 73 (Rus)
ADOLESCENCE/ *ADRENAL GLANDS,
anatomy & histology/ ADRENAL GLANDS,
embryology/ ADRENAL GLANDS, growth &
development/ ADULT/ AGED/ CHILD/
CHILD, PRESCHOOL/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ INFANT/ INFANT,
NEWBORN/ *LYMPHATIC SYSTEM, anatomy
& histology/ LYMPHATIC SYSTEM,
embryology/ LYMPHATIC SYSTEM, growth &
development/ MALE/ MIDDLE AGE
370. Bloch S, Wyss HI: An anti-androgen (cyproterone
acetate) inhibits the pregnancy block in mice caused
by the presence of strange males (Bruce-effect).
J Endocrinol 59:365-6, Nov 73
ANDROGENS, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ *CYPROTERONE,
pharmacodynamics/ FEMALE/ LIBIDO, drug
effects/ MALE/ MICE/ ODORS/ PREGNANCY/
*SEX BEHAVIOR, ANIMAL, drug effects
371. Block JH, Djerassi C: Selective deuterium labelling of
steroidal estrogens. Steroids 22:591-6, Nov 73
CARBON ISOTOPES/ COMPARATIVE STUDY/
CRYSTALLIZATION/ DEUTERIUM/
*ESTRADIOL/ *ESTRANES/ *ESTRONE/
HYDROXYSTERIODS/ ISOTOPE LABELING/
*17-KETOSTEROIDS/ NUCLEAR MAGNETIC
RESONANCE/ OPTICAL ROTATION/
SPECTRUM ANALYSIS, MASS/
STRUCTURE-ACTIVITY RELATIONSHIP
372. Block NL, Whitmore WF Jr: Leukemoid reaction,
thrombocytosis and hypercalcemia associated with
bladder cancer. J Urol 110:660-3, Dec 73
*BLADDER NEOPLASMS, complications/
BLADDER NEOPLASMS, radiotherapy/
BLADDER NEOPLASMS, surgery/ BLOOD
CELL COUNT/ BLOOD PLATELETS/
CALCIUM, blood/ *CARCINOMA,
EPIDERMAL, complications/ CARCINOMA,
EPIDERMAL, radiotherapy/ CARCINOMA,
EPIDERMAL, surgery/ CASE REPORT/
HUMAN/ *HYPERCALCEMIA, etiology/
*LEUKEMOID REACTION, etiology/
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NEOPLASM RECURRENCE, LOCAL/
*NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ PHOSPHATES, blood/
*THROMBOCYTOSIS, etiology
373. Block SH: Goller complicating therapy with iodinated
glycerol (Organidin). J Pediatr 83:84-6, Jul 73
ADOLESCENCE/ CASE REPORT/ COUGH,
drug therapy/ *EXPECTORANTS, adverse
effects/ EXPECTORANTS, therapeutic use/
FEMALE/ FOLLOW-UP STUDIES/
*GLYCERIN, adverse effects/ GLYCERIN,
therapeutic use/ *GOITER,
chemically induced/ HUMAN/ *IODINE,
adverse effects/ IODINE, therapeutic use/
THYROID GLAND FUNCTION TESTS
374. Blomqvist K, Förström L: Murrosälän ihotaudit.
Duodecim 89:775-81, 1973 (17 ref.) (Fin)
*ACNE, etiology/ ACNE, therapy/
ADOLESCENCE/ ADULT/ CHILD/
DERMATITIS, ATOPIC, etiology/
DERMATITIS, ATOPIC, therapy/ FEMALE/
HUMAN/ MALE/ PRURIGO, etiology/
PRURIGO, therapy/ PUBERTY/ REVIEW/
SKIN DISEASES, etiology/ SKIN DISEASES,
therapy
375. Blonde L, Wehmann RE, Steiner AL: Plasma clearance
rates and renal clearance of 3H-labeled cyclic AMP
and 3H-labeled cyclic GMP in the dog.
J Clin Invest 53:163-72, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
blood/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE, urine/
ANIMAL EXPERIMENTS/ AORTA/
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GUANOSINE CYCLIC 3',5' MONOPHOSPHATE,
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MONOPHOSPHATE, metabolism/ GUANOSINE
CYCLIC 3',5' MONOPHOSPHATE, urine/
*KIDNEY, metabolism/ MALE/ METABOLIC
CLEARANCE RATE/ RENAL VEINS/
TRITIUM
376. Bloom FE: Dynamic synaptic communication: finding
the vocabulary. Brain Res 62:299-305, 23 Nov 73
AMINO ACIDS, physiology/ DOPAMINE,
physiology/ HUMAN/ NEURAL INHIBITION/
*NEURAL TRANSMISSION/ *NEUROHUMORS,
physiology/ PEPTIDES, physiology/
RECEPTORS, CHOLINERGIC/ SEROTONIN,
physiology
377. Bloom HJ: Proceedings: Hormone-induced and
spontaneous regression of metastatic renal cancer.
Cancer 32:1066-71, Nov 73
*ANDROGENS, therapeutic use/ FEMALE/
HUMAN/ *KIDNEY NEOPLASMS, drug
therapy/ MALE/ NEOPLASM METASTASIS/
*NEOPLASM REGRESSION, SPONTANEOUS/
*PROGESTATIONAL HORMONES, therapeutic
use/ REGRESSION/ SEX FACTORS/ TIME
FACTORS
378. Bloomfield G, Ratcliffe JG, Scott AP, et al:
Proceedings: Adrenocorticotrophin (ACTH) and
beta-melanocyte-stimulating hormone peptides in
tumours associated with the ectopic ACTH syndrome.
J Endocrinol 59:28-9, Nov 73
ANTIBODY FORMATION/ *CARCINOMA, OAT
CELL, metabolism/ CHROMATOGRAPHY/
*CORTICOTROPIN, metabolism/ *CUSHING'S
SYNDROME, metabolism/ *HORMONES,
ECTOPIC, metabolism/ HUMAN/ *MSH,
metabolism/ PEPTIDES, metabolism
379. Blum M, Biller BJ, Bergman DA: The thyroid cork.
Obstruction of the thoracic inlet due to
retroclavicular goiter. JAMA 227:189-91, 14 Jan 74
ADULT/ AGED/ *AIRWAY OBSTRUCTION,
etiology/ AIRWAY OBSTRUCTION, surgery/
DEGLUTITION DISORDERS, diagnosis/
DYSPIA, diagnosis/ FEMALE/ *GOITER,
complications/ HUMAN/ KINESICS/ MALE/
MIDDLE AGE/ ORGAN WEIGHT/ POSTURE/
PRESSURE/ RESPIRATORY INSUFFICIENCY,
diagnosis/ THORAX/ THYROID GLAND/
THYROID GLAND, anatomy & histology
380. Blumhardt R, Nusynowitz ML: A guide to bone
scanning. Am Fam Physician 9:153-7, Jan 74
ADOLESCENCE/ ADULT/ AGED/ BIOPSY/
*BONE AND BONES/ BONE AND BONES,
analysis/ *BONE DISEASES, diagnosis/ BONE
DISEASES, radiography/ BONE NEOPLASMS,
diagnosis/ CALCIUM, analysis/ COMPARATIVE
STUDY/ FEMALE/ FLUORIDES, diagnostic
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DISEASE, diagnosis/ HUMAN/
HYDROXYAPATITE/ ION EXCHANGE/
MALE/ MIDDLE AGE/ PARANGLIOMA,

AUTHOR SECTION

- NONCHROMAFFIN, diagnosis/ RADIATION DOSAGE/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES, diagnostic use/ STRONTIUM RADIOISOTOPES/ TECHNETIUM, diagnostic use
381. Blunck W: Diagnostik und Therapie der Nebennierenrinden-Erkrankungen. Monatsschr Kinderheilkd 121:625-30, Oct 73 (7 ref.) (Ger)
- ADDISON'S DISEASE, physiopathology/ ADRENAL CORTX HORMONES, biosynthesis/ ADRENAL CORTX HORMONES, physiology/ ADRENAL GLAND DISEASES, diagnosis/ *ADRENAL GLAND DISEASES, drug therapy/ ADRENAL GLAND DISEASES, etiology/ ADRENOGENITAL SYNDROME, diagnosis/ ADRENOGENITAL SYNDROME, drug therapy/ ALCOHOL OXIDOREDUCTASES, blood/ ALDOSTERONE, biosynthesis/ CHILD, PRESCHOOL/ CHOLESTEROL, metabolism/ CIRCADIAN RHYTHM/ CUSHING'S SYNDROME, physiopathology/ DEHYDROEPIANDROSTERONE, biosynthesis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ ENZYME TESTS/ FLUORENES, therapeutic use/ HUMAN/ HYDROCORTISONE, biosynthesis/ HYDROCORTISONE, therapeutic use/ INFANT/ ISOMERASES, blood/ LONG TERM CARE/ MINERALOCORTICIDS, biosynthesis/ PREGNENOLONE, biosynthesis/ PROGESTERONE, biosynthesis/ REVIEW/ TESTOSTERONE, biosynthesis
382. Bo WJ, Krueger WA, Garrison BM: Effect of repeated injections of oestrogen on uterine glycogen. J Endocrinol 59:381-2, Nov 73
- ANIMAL EXPERIMENTS/ CASTRATION/ *ESTROGENS, administration & dosage/ ESTROGENS, pharmacodynamics/ FEMALE/ *GLYCOGEN, analysis/ ORGAN WEIGHT/ RATS/ *UTERUS, analysis
383. Bobillier P, Froment JL, Seguin S, et al: Effets de la p-chlorophénylalanine et du 5-hydroxytryptophane sur le sommeil et le métabolisme central des monoamines et des protéines chez le chat. Biochem Pharmacol 22:3077-90, 1 Dec 73 (Fre)
- *AMINES, metabolism/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CARBON RADIOISOTOPES/ CATS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ NERVE TISSUE PROTEINS, biosynthesis/ *NERVE TISSUE PROTEINS, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ *SLEEP, drug effects/ STATISTICS/ STIMULATION, CHEMICAL/ TELENCEPHALON, drug effects/ TIME FACTORS
384. Bobrovskaya TA, Zarubina NA, Fancbenko ND: Vliyanie estrogenov na nekotorye pokazateli funktsional'noi aktivnosti kory nadpochechnikov u zhenshchiny s nedostatochnost'yu laichnikov. Prohl Endokrinol (Mosk) 19:40-3, Nov-Dec 73 (Rus)
- ADOLESCENCE/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ADULT/ DIETHYLSTILBESTROL, metabolism/ DIETHYLSTILBESTROL, pharmacodynamics/ *DIETHYLSTILBESTROL, therapeutic use/ ENGLISH ABSTRACT/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ *ESTRADIOL, therapeutic use/ ESTRONE, metabolism/ ESTRONE, pharmacodynamics/ *ESTRONE, therapeutic use/ FEMALE/ HUMAN/ *OVARIAN DISEASES, drug therapy
385. Böcker W, Lietz H: Demonstration of thyroglobulin in lymph vessels of TSH stimulated guinea pigs by the indirect immunofluorescence technique. Acta Endocrinol (Kbh) 74:666-74, Dec 73
- ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ BLOOD VESSELS, analysis/ CARTILAGE, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FLUORESCENT ANTIBODY TECHNIQUE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GOATS/ GUINEA PIGS/ IGG/ LYMPHATIC SYSTEM, drug effects/ *LYMPHATIC SYSTEM, immunology/ MUSCLES, analysis/ RABBITS, immunology/ *THYROGLOBULIN, analysis/ THYROID GLAND, analysis/ *THYROID GLAND, immunology/ *THYROTROPIN, pharmacodynamics
386. Boctor A, Grossman A: Differential sensitivity of rat liver and rat hepatoma cells to alpha-amanitin. Biochem Pharmacol 22:17-28, 1 Jan 73
- ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CELL NUCLEUS, metabolism/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION, drug effects/ HEPATOMA, enzymology/ *HEPATOMA, metabolism/ HYDROCORTISONE, antagonists & inhibitors/ LIVER, cytology/ *LIVER, drug effects/ LIVER, enzymology/ LIVER NEOPLASMS, enzymology/ *LIVER NEOPLASMS, metabolism/ MUSHROOMS/ *MYCOTOXINS, pharmacodynamics/ NUCLEOTIDES, metabolism/ OLIGOPEPTIDES, pharmacodynamics/ OROTIC ACID, metabolism/ PEPTIDES, CYCLIC, pharmacodynamics/ RATS/ RNA POLYMERASE, antagonists & inhibitors/ TRITUM/ TYROSINE AMINOTRANSFERASE, antagonists & inhibitors/ URACIL, metabolism/ URIDINE, metabolism
387. Boczkowski K: Male and female differentiation of the human gonad. Clin Genet 4:213-9, 1973
- CELL DIFFERENTIATION/ ESTROGENS, physiology/ FEMALE/ GENES/ GENITALIA, FEMALE, embryology/ GENITALIA, MALE, embryology/ GENOTYPE/ *GERM CELLS, physiology/ HUMAN/ LEYDIG CELLS, embryology/ MALE/ MATERNAL-FETAL EXCHANGE/ *OVARY, embryology/ OVARY, metabolism/ PHENOTYPE/ PREGNANCY/ PROGESTERONE, physiology/ SERTOLI CELLS, physiology/ *SEX CHROMOSOMES, physiology/ SEX DETERMINATION/ SPERMATOZOA, physiology/ *TESTIS, physiology/ WOLFFIAN DUCT, embryology
388. Bodner E, Schwamberger K: Konservatives oder operatives Vorgehen bei der akuten Pankreatitis. Bruns Beitr Klin Chir 220:688-93, Nov 73 (Ger)
- ACUTE DISEASE/ ADRENAL CORTX HORMONES, therapeutic use/ AMYLASE, urine/ ATROPINE, therapeutic use/ AUSTRIA/ CHOLECYSTITIS, therapy/ COMPARATIVE STUDY/ DRAINAGE/ ENGLISH ABSTRACT/ HUMAN/ LAPAROTOMY/ NECROSIS/ PANCREATECTOMY/ PANCREATITIS, drug therapy/ PANCREATITIS, mortality/ PANCREATITIS, pathology/ PANCREATITIS, surgery/ *PANCREATITIS, therapy/ PARENTERAL FEEDING/ TIME FACTORS
389. Boerbooms AM, Korst JK van der: Corticosteroids and femoral head necrosis. Neth J Med 16:267-73, 1973
- ADULT/ AGED/ ARTHRITIS, RHEUMATOID, drug therapy/ FEMALE/ *FEMUR HEAD NECROSIS, chemically induced/ FEMUR HEAD NECROSIS, radiography/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IN VITRO/ KIDNEY, transplantation/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ TRANSPLANTATION, HOMOLOGOUS
390. Boergen KP: Bindehautveränderungen nach subkonjunktivaler Injektion von Kortikosteroiden in Depotform. Klin Monatsh Augenheilkd 163:363-5, Sep 73 (Ger)
- ADOLESCENCE/ ADULT/ CHILD/ *CONJUNCTIVA/ ENGLISH ABSTRACT/ EYE DISEASES, chemically induced/ FEMALE/ HUMAN/ IRIDOCYCLITIS, drug therapy/ KERATITIS, drug therapy/ MALE/ *METHYLPREDNISOLONE, adverse effects/ METHYLPREDNISOLONE, therapeutic use/ UVEITIS, drug therapy

AUTHOR SECTION

391. Bogach PG: Limbiko-hipotalamichna rehulatsiia funktsii travnoho traku i spozhyvannia izhl ta vody. Fiziol Zh 19:808-16, Sep-Oct 73 (Ukr)
AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ DOGS/ DRINKING/ EATING/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FOOD/ *GASTROINTESTINAL SYSTEM, physiology/ GLOBUS PALLIDUS, physiology/ *HYPOTHALAMUS, physiology/ INTESTINAL ABSORPTION/ *LIMBIC SYSTEM, physiology/ WATER
392. Bogatyrev GP, Goncharenko EN, Zhat'kova GS, et al: K mekhanizme radiosensibilizirushchego deistviia beta-merkaptotanolu. Biol Nauki 115:54-8, 1973 (Rus)
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ DOPAMINE, metabolism/ HISTAMINE, metabolism/ INTESTINE, SMALL, drug effects/ KIDNEY, drug effects/ LIPIDS, metabolism/ LIVER, drug effects/ MALE/ *MERCAPTOETHANOL, pharmacodynamics/ MICE/ PEROXIDES, metabolism/ PHOSPHOLIPIDS, metabolism/ *RADIATION-SENSITIZING AGENTS/ RATS/ SEROTONIN, metabolism/ SKIN, drug effects/ SPLEEN, drug effects/ STOMACH, drug effects/ TESTIS, drug effects
393. Bogdanikowa B, Bernacka K, Rudy J, et al: Porównanie wyników leczenia gośćca przewlekłego postępującego za pomocą różnych leków immunosupresyjnych. Pol Arch Med Wewn 50:1019-25, 1973 (Pol)
ADOLESCENCE/ ADULT/ AGED/ *ARTHRITIS, RHEUMATOID, drug therapy/ AZATHIOPRINE, therapeutic use/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PENICILLAMINE, therapeutic use/ PREDNISONE, therapeutic use
394. Bogolepov NK, Korchagina VG, Dukhovnala OL: Serdechno-sosudistvye narusheniia u bol'nykh s patologiiey gipotalamusa. Vrach Delo 9:37-43, Sep 73 (Rus)
ADULT/ AGED/ *BRAIN DISEASES, complications/ BRAIN DISEASES, physiopathology/ *CARDIOVASCULAR DISEASES, etiology/ CARDIOVASCULAR DISEASES, physiopathology/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHALAMUS/ MALE/ MIDDLE AGE/ PHONOCARDIOGRAPHY
395. Böhme G, Lutze G, Pollak KH, et al: Zur Energiebedürftigen Ca²⁺-Akkumulation in Mitochondrien aus Rattenhirn. J Neurochem 21:1509-16, Dec 73 (Ger)
ACETYLCHOLINESTERASE, metabolism/ ACID PHOSPHATASE, metabolism/ ACTINOMYCIN, pharmacodynamics/ ADENINE NUCLEOTIDES, metabolism/ ADENOSINE DIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, metabolism/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ *ENERGY METABOLISM/ ENGLISH ABSTRACT/ GLUTAMATE DEHYDROGENASE, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ OXIDATION-REDUCTION/ RATS/ ROTENONE, pharmacodynamics/ SUCCINATE DEHYDROGENASE, metabolism/ TIME FACTORS
396. Bohn H, Ronneberger H: Immunologischer Nachweis von Schwangerschaftsprotein des Menschen im Serum trächtiger Tiere. Arch Gynaekol 215:277-84, 1973 (Ger)
ABORTION, chemically induced/ ANIMAL EXPERIMENTS/ BETA GLOBULIN, analysis/ *BLOOD PROTEINS, analysis/ CONTRACEPTIVE AGENTS/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ FERTILITY, drug effects/ GEL DIFFUSION TESTS/ GLYCOPROTEINS, analysis/ GUINEA PIGS/ HAMSTERS/ HUMAN/ IMMUNE SERUMS, pharmacodynamics/ MICE/ MONKEYS/ PLACENTAL LACTOGEN, analysis/ *PREGNANCY/ PREGNANCY, drug effects/ RABBITS/ RABBITS, immunology/ RATS
397. Bohr H: Densitometry and 18-F scintigraphy in the study of the revascularization of the femoral head in coxa plana (C-P). Acta Orthop Scand 44:417-25, 1973
CHILD/ DENSITOMETRY, X-RAY/ *EPIPHYSES, blood supply/ EPIPHYSES, physiopathology/ EPIPHYSES, radiography/ *FEMUR HEAD, blood supply/ FEMUR HEAD, physiopathology/ FEMUR HEAD, radiography/ FLUORINE/ *HIP, radiography/ HUMAN/ OSTEOCHONDROITIS, complications/ *OSTEOCHONDROITIS, diagnosis/ OSTEOCHONDROITIS, physiopathology/ OSTEOPOROSIS, etiology/ RADIOISOTOPE SCANNING/ RADIOISOTOPES
398. Bolkov VN, Bol'shakov VN: Some morphophysiological features of the harvest mouse (Micromys minutus Pall) in the forest tundra of the Pri-Ob territory. Sov J Ecol 3:276-8, May-Jun 72
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ COLD CLIMATE/ FEMALE/ HEART, anatomy & histology/ KIDNEY, anatomy & histology/ LIVER, anatomy & histology/ MALE/ *MICE, anatomy & histology/ ORGAN WEIGHT/ TAIL, anatomy & histology/ THYMUS GLAND, anatomy & histology/ TREES/ USSR
399. Bolkova FI, Bolkov VN: The dynamics of changes in body weight and of the principal morphological features of the northern red-backed vole during autumn and winter in the subarctic. Sov J Ecol 3:126-32, Mar-Apr 72
ADAPTATION, PHYSIOLOGICAL/ ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ *BODY WEIGHT/ COLD CLIMATE/ FEMALE/ HEART, anatomy & histology/ KIDNEY, anatomy & histology/ LIVER, anatomy & histology/ MALE/ ORGAN WEIGHT/ POPULATION/ *RODENTS, anatomy & histology/ SEASONS/ SKULL, anatomy & histology
400. Bollert B, Edqvist LE, Johansson ED, et al: The influence of conjugated estrogens in radioimmunoassays using different antibodies against estradiol-17beta. Steroids 22:891-4, Dec 73
*ANTIBODIES/ CHROMATOGRAPHY/ CROSS REACTIONS/ ESTRADIOL/ *ESTRADIOL, analysis/ *ESTROGENS/ ESTRONE/ FEMALE/ GLUCURONATES/ HUMAN/ PREGNANCY/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ SULFATES/ TRITIUM
401. Bojar H, Stalb W: Zum Wirkungsmechanismus der Glucocorticoide im lymphatischen System. Hippokrat 44:318-21, Oct 73 (18 ref.) (Ger)
ANIMAL EXPERIMENTS/ *GLUCOCORTICOIDS, pharmacodynamics/ GLUCOSE, metabolism/ HUMAN/ *LYMPHATIC SYSTEM, drug effects/ MICE/ RABBITS/ RATS/ REVIEW/ RNA, biosynthesis
402. Boland R, Martonos A, Tillack TW: Developmental changes in the composition and function of sarcoplasmic reticulum. J Biol Chem 249:812-23, 25 Jan 74
ADENOSINE TRIPHOSPHATASE, metabolism/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CHICK EMBRYO/ CHICKENS/ CHOLESTEROL, metabolism/ FATTY ACIDS, metabolism/ HEART, embryology/ HEART, growth & development/ LIPIDS, metabolism/ MICROSOMES, enzymology/ *MICROSOMES, metabolism/ MUSCLE PROTEINS, metabolism/ MUSCLES, cytology/ MUSCLES, embryology/ MUSCLES, growth & development/ *MUSCLES,

AUTHOR SECTION

- metabolism/ MYOCARDIUM, cytology/
MYOCARDIUM, metabolism/ PHOSPHOLIPIDS,
metabolism/ PHOSPHOPROTEINS, metabolism/
*SARCOPLASMIC RETICULUM, metabolism/
SARCOPLASMIC RETICULUM, physiology
403. Bolechowski F, Konciewicz A, Szelemetko J: Rejestracja
tętnienia gałek ocznych.
Kardiologia Pol 16:387-72, 1973 (Pol)
ADOLESCENCE/ ADULT/ AORTIC VALVE
INSUFFICIENCY, physiopathology/ AORTIC
VALVE STENOSIS, physiopathology/ HUMAN/
HYPERTHYROIDISM, physiopathology/
*INTRAOCULAR PRESSURE/ MALE/
METHODS/ MIDDLE AGE/ *PULSE
 404. Bolognese RJ, Corson SL: Prostaglandin E2 vaginal
suppository as an early second trimester
abortifacient. Obstet Gynecol 43:104-8, Jan 74
*ABORTION, INDUCED/ ADOLESCENCE/
ADULT/ DIARRHEA, chemically induced/
FEMALE/ HUMAN/ MIDDLE AGE/
PREGNANCY/ *PROSTAGLANDINS,
administration & dosage/ PROSTAGLANDINS,
adverse effects/ PROSTAGLANDINS,
therapeutic use/ SUPPOSITORIES/ TIME
FACTORS/ VAGINA/ VOMITING, chemically
induced
 405. Bolton AE, Hunter WM: The use of antisera covalently
coupled to agarose, cellulose and sephadex in
radioimmunoassay systems for proteins and haptens.
Biochim Biophys Acta 329:318-30, 5 Dec 73
BINDING SITES, ANTIBODY/ CATTLE/
CELLULOSE/ COMPARATIVE STUDY/
CORTICOSTERONE, isolation & purification/
DEXTRAN/ ESTRADIOL, isolation &
purification/ GASTRIN, isolation &
purification/ *HAPTENS, isolation &
purification/ HUMAN/ IMMUNE SERUMS/
INSULIN, isolation & purification/ LH,
isolation & purification/ METHODS/
POLYSACCHARIDES/ PROGESTERONE,
isolation & purification/ PROTEIN BINDING/
*PROTEINS, isolation & purification/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ SOMATOTROPIN, isolation &
purification/ THYROTROPIN, isolation &
purification/ TRITIUM
 406. Bonadonna T, Choudhury PN, Enne G, et al:
Observations on the synchronization of oestrus in
Sarda sheep.
Zentralbl Veterinärmed [A] 20:395-400, Jul 73
ANIMAL EXPERIMENTS/ CATTLE/ *ESTRUS,
drug effects/ FEMALE/ *GONADOTROPINS,
pharmacodynamics/ GONADOTROPINS,
EQUINE, pharmacodynamics/
GONADOTROPINS, PITUITARY,
pharmacodynamics/ PERIODICITY/
PREGNANCY/ *PROGESTATIONAL
HORMONES, pharmacodynamics/ *SHEEP,
physiology/ SWINE
 407. Bongiovanni AM: Letter: Maturational deceleration
following treatment with testosterone.
J Pediatr 83:1095, Dec 73
ADRENAL CORTEX HORMONES,
pharmacodynamics/ ADRENAL CORTEX
HORMONES, therapeutic use/ ADRENAL
GLAND HYPERFUNCTION, drug therapy/
CHILD/ *GROWTH, drug effects/ HUMAN/
TESTOSTERONE, pharmacodynamics
 408. Bönisch S, Ittrich G, Hagen H, et al: Zur
Testosteronausscheidung bei Männern aus sterilen
Ehen.
Zentralbl Gynaekol 95:1025-39, 27 Jul 73 (Ger)
ADULT/ AGE FACTORS/
CHROMATOGRAPHY, THIN LAYER/ DRUG
COMBINATIONS/ ENGLISH ABSTRACT/
GONADOTROPINS, PITUITARY,
pharmacodynamics/ HUMAN/ MALE/
MENOTROPINS, administration & dosage/
MENOTROPINS, pharmacodynamics/
METHODS/ MIDDLE AGE/ *SPERMATOZOA/
*STERILITY, MALE, diagnosis/ STERILITY,
MALE, urine/ TESTIS, drug effects/ TESTIS,
physiology/ *TESTOSTERONE, urine
 409. Boniver J, Delrez M, Simar LJ, et al: Modifications of
the thymic cell population during the development of
the radiation-induced lymphoma in mice.
Beitr Pathol 150:229-45, Dec 73
ANIMAL EXPERIMENTS/ ATROPHY/ BONE
MARROW CELLS, transplantation/ FEMALE/
LEUKEMIA, EXPERIMENTAL/ *LEUKEMIA,
RADIATION-INDUCED, pathology/
LYMPHOCYTES/ *LYMPHOMA, pathology/
MICE/ MICE, INBRED C57BL/ MICROSCOPY,
ELECTRON/ ORGAN WEIGHT/ RADIATION
DOSAGE/ *THYMUS GLAND, pathology/
THYMUS GLAND, radiation effects/ THYMUS
NEOPLASMS, pathology/ TRANSPLANTATION,
HOMOLOGOUS
 410. Bonnici F: Antidiuretic effect of clofibrate and
carbamazepine in diabetes insipidus: studies on free
water clearance and response to a water load.
Clin Endocrinol (Oxf) 2:265-75, Jul 73
ADOLESCENCE/ *CARBAMAZEPINE,
therapeutic use/ CHILD/ CHILD,
PRESCHOOL/ *CLOFIBRATE, therapeutic use/
*DIABETES INSIPIDUS, drug therapy/
*DIURESIS, drug effects/ DRUG
RESISTANCE/ FEMALE/ HUMAN/ MALE/
OSMOLAR CONCENTRATION/ VASOPRESSIN,
therapeutic use
 411. Bonnyns M, Vanhaerist L, Golstein J, et al: Long-acting
thyroid stimulator and thyroid function in relatives of
patients with Graves' disease.
Clin Endocrinol (Oxf) 2:277-87, Jul 73
ADOLESCENCE/ ADULT/ AGED/
ANTIBODIES, analysis/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ GOITER,
EXOPHTHALMIC, diagnosis/ *GOITER,
EXOPHTHALMIC, familial & genetic/ GOITER,
EXOPHTHALMIC, immunology/ HUMAN/
HYPERTHYROIDISM, diagnosis/
IMMUNOGLOBULINS, analysis/
*LONG-ACTING THYROID STIMULATOR,
analysis/ MALE/ MIDDLE AGE/ PEDIGREE/
PROTEIN-BOUND IODINE TEST/ THYROID
GLAND, immunology/ THYROID GLAND
FUNCTION TESTS/ THYROXINE, analysis
 412. Boone AW, Evans SJ: Relapse of Felty's syndrome
following splenectomy.
J Maine Med Assoc 64:266-7, Dec 73
AZATHIOPRINE, therapeutic use/ FELTY'S
SYNDROME, drug therapy/ *FELTY'S
SYNDROME, surgery/ HUMAN/
IMMUNOSUPPRESSION/ LEUKOCYTE
COUNT/ MALE/ MIDDLE AGE/
NEUTROPHILS, analysis/ PNEUMONIA, drug
therapy/ PREDNISONE, therapeutic use/
REMISSION/ *SPLENECTOMY
 413. Boothby CB, Bower BD: Cartilage hair hypoplasia.
Arch Dis Child 48:918-21, Nov 73
AUTOSOME ABNORMALITIES/ BONE
DISEASES, DEVELOPMENTAL, complications/
BONE DISEASES, DEVELOPMENTAL,
radiography/ *CARTILAGE DISEASES,
complications/ CHILD, PRESCHOOL/
*DWARFISM, complications/ GENES,
RECESSIVE/ *HAIR/ HUMAN/ LORDOSIS,
complications/ MALE/ MEGACOLON,
complications/ SCALP
 414. Bordás E, Bretter E: Modificări ale glandelor
suprenale la șobolani sub acțiunea administrării
rezinsului total al apelor de băut dintr-un focar de
nefropatie endemică.
Stud Cercet Med Interna 14:473-80, 1973 (Rum)
*ADRENAL GLAND DISEASES, etiology/
ADRENAL GLAND DISEASES, pathology/
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ ATROPHY/ ENGLISH
ABSTRACT/ *KIDNEY DISEASES, etiology/
RATS/ *WATER SUPPLY
 415. Bordiner PJ: Cellular aspects of bone remodelling.
Triangle 12:85-92, 1973
ADULT/ *BONE AND BONES, cytology/
BONE DISEASES, metabolism/ BONE
RESORPTION/ CALCIFICATION,
PHYSIOLOGIC/ CALCIUM, metabolism/
HAVERSIAN SYSTEM, metabolism/ HUMAN/

AUTHOR SECTION

- OSTEOBLASTS/ OSTEOCLASTS/
OSTEOCYTES/ *OSTEOGENESIS/
PARATHYROID HORMONE, physiology
416. Bordier PJ, Woodhouse NJ, Sigurdsson G, et al: Osteoid mineralization defect in primary hyperparathyroidism.
Clin Endocrinol (Oxf) 2:377-88, Oct 73
ACID PHOSPHATASE, blood/ ADULT/
ALKALINE PHOSPHATASE, blood/
*CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ CELL COUNT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, drug therapy/ HYPERPARATHYROIDISM, enzymology/ HYPERPARATHYROIDISM, metabolism/ *HYPERPARATHYROIDISM, physiopathology/ MIDDLE AGE/ OSTEOCLASTS, drug effects/ PHOSPHATES, blood/ VITAMIN D, pharmacodynamics/ *VITAMIN D, therapeutic use
417. Borgaonkar DS, Sroka BM, Flores M: Letter: Y-to-X translocation in a girl. Lancet 1:88-9, 12 Jan 74
ADOLESCENCE/ CHROMOSOME
ABERRATIONS/ DERMATOGLYPHICS/ FEMALE/ HUMAN/ KARYOTYPING/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ *TURNER'S SYNDROME, diagnosis
418. Borisenko NA: O vliianii nekotorykh protivovrematicheskikh sredstv na sodержanie fukozy, svlazannoi s biopolimerami, v zheludochnom soke, krovi i moche u bol'nykh revmatizmom. Ter Arkh 45:34-7, Jan 73 (Rus)
ADOLESCENCE/ ADULT/ ASPIRIN, metabolism/ *ASPIRIN, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ FUCOSE, blood/ *FUCOSE, metabolism/ FUCOSE, urine/ GASTRIC JUICE, analysis/ HUMAN/ MACROMOLECULAR SYSTEMS/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, metabolism/ PHENYLBUTAZONE, therapeutic use/ PREDNISOLONE, metabolism/ *PREDNISOLONE, therapeutic use/ RHEUMATIC FEVER, drug therapy/ *RHEUMATIC FEVER, metabolism
419. Born GV, Mills DC, Smith JB: Pharmacology of the inhibition of platelet aggregation. Bull Schweiz Akad Med Wiss 29:215-22, Nov 73
ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ALBUMINS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ EDTA, pharmacodynamics/ EPINEPHRINE, antagonists & inhibitors/ HEMOSTATICS, pharmacodynamics/ HUMAN/ *PLATELET ADHESIVENESS, drug effects/ SEROTONIN, antagonists & inhibitors/ THROMBIN, antagonists & inhibitors
420. Borowsky R: Melanomas in Xiphophorus variatus (Pisces, Poeciliidae) in the absence of hybridization. Experientia 29:1431-3, 15 Nov 73
ALLELES/ ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ FEMALE/ *FISH DISEASES, familial & genetic/ FISHES/ GENES/ GENOTYPE/ *HYBRIDIZATION/ LINKAGE (GENETICS)/ MALE/ MELANOMA, familial & genetic/ *MELANOMA, veterinary/ PHENOTYPE/ PIGMENTATION/ SEX CHROMOSOMES
421. Börsch G, Mauss J: Gonadotropinsekretion und Gonadotropinreserve beim hypogonadotropen Hypogonadismus (Kurze Literaturübersicht und Fallbeschreibung. Andrologie 5:207-13, 1973 (Ger)
ADULT/ CASE REPORT/ *CLOMIPHENE, diagnostic use/ ENGLISH ABSTRACT/ EUNUCHISM, diagnosis/ EUNUCHISM, metabolism/ *EUNUCHISM, urine/ FRUCTOSE, analysis/ *FSH, urine/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ 17-KETOSTEROIDS, metabolism/ *LH, urine/ MALE/ METHODS/ *SEMEN, analysis/ SPERMATOOZA/ STIMULATION, CHEMICAL/ TESTIS, pathology/ TESTOSTERONE, urine/ VISCOSITY
422. Borski AA: Proceedings: Diagnosis, staging, and natural history of testicular tumors. Cancer 32:1202-5, Nov 73
BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ HEMATOCELE, diagnosis/ HUMAN/ MALE/ NEOPLASM METASTASIS/ NEOPLASM REGRESSION, SPONTANEOUS/ ORCHITIS, diagnosis/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ TESTIS, pathology/ VARICOCELE, diagnosis
423. Borst RH, Kussäther E, Schuhmann R: Ultrastrukturelle Untersuchungen zur Verteilung der alkalischen Phosphatase im Placenton (maternofetale Strömungseinheit) der menschlichen Placenta. Arch Gynaekol 215:409-15, 1973 (Ger)
*ALKALINE PHOSPHATASE, analysis/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ MICROSCOPY, ELECTRON/ PLACENTA, anatomy & histology/ PLACENTA, blood supply/ *PLACENTA, enzymology/ PREGNANCY/ REGIONAL BLOOD FLOW/ TROPHOBLAST
424. Boss N, Chmielel H, Kachel V, et al: Erythrozytenaggregation bei Nichtrauchern, Rauchern und Herzinfarktpatienten. Blut 27:191-5, Sep 73 (Ger)
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use/ BLOOD SEDIMENTATION/ *CELL AGGREGATION, drug effects/ ENGLISH ABSTRACT/ *ERYTHROCYTES/ ERYTHROCYTES, drug effects/ HUMAN/ *MYOCARDIAL INFARCT, blood/ MYOCARDIAL INFARCT, drug therapy/ RHEOLOGY/ *SMOKING
425. Bosu WT, Johansson ED, Gemzell C: Peripheral plasma levels of oestrone, oestradiol-17beta and progesterone during ovulatory menstrual cycles in the rhesus monkey with special reference to the onset of menstruation. Acta Endocrinol (Kbh) 74:732-42, Dec 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, physiology/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ GEL FILTRATION/ IMMUNE SERUMS/ MACACA/ MENSTRUATION/ MONKEYS/ *OVULATION/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS/ TRITIUM
426. Bosu WT, Johansson ED, Gemzell C: Patterns of circulating oestrone, oestradiol-17beta and progesterone during pregnancy in the rhesus monkey. Acta Endocrinol (Kbh) 74:743-55, Dec 73
ANIMAL EXPERIMENTS/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ GEL FILTRATION/ MACACA/ MENSTRUATION/ MONKEYS/ OVULATION/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PUERPERIUM/ RADIOIMMUNOASSAY/ TIME FACTORS
427. Botach PG, Ganzha BL: Elektrofiziolohichne doslidzbennia roli myhdalevydnoho kompleksu v reaktivniakb kbarchovoi povedinky sobak. Fiziol Zh 19:817-24, Sep-Oct 73 (Ukr)
*AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ DOGS/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *FEEDING BEHAVIOR/ HIPPOCAMPUS, physiology/ HUNGER/ HYPOTHALAMUS, physiology/ THIRST
428. Botré C, Memoli A, Borghi S, et al: Coupling of

AUTHOR SECTION

- structural transitions and permeation flow in a lipo-steroidal synthetic membrane.
Farmaco [Sci] 28:961-75, Dec 73
- CHEMISTRY, PHYSICAL/ *COLLOIDION/
ELECTRIC CONDUCTIVITY/
ELECTROCHEMISTRY/ ERGOSTEROL/
*LECITHINS/ *LIPIDS/ *MEMBRANES,
ARTIFICIAL/ PERMEABILITY/
POTENTIOMETRY/ SODIUM CHLORIDE/
*STEROIDS
429. Bottoms GD, Jungmann RA, Morse EV: Effects of corticosterone on phosphorylation of rat liver nuclear proteins in vitro.
Proc Soc Exp Biol Med 144:83-8, 1 Oct 73
ADENOSINE TRIPHOSPHATE, metabolism/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CELL FRACTIONATION/ CELL NUCLEUS,
metabolism/ CORTICOSTERONE, metabolism/
*CORTICOSTERONE, pharmacodynamics/
CYTOSOL, metabolism/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ LIVER, cytology/
*LIVER, metabolism/ MALE/
NUCLEOPROTEINS, isolation & purification/
*NUCLEOPROTEINS, metabolism/
*PHOSPHORUS, metabolism/ PHOSPHORUS
RADIOISOTOPES/ RATS/ RECEPTORS,
HORMONE/ THYMUS GLAND, cytology/
THYMUS GLAND, metabolism
430. Boucek RJ, Noble NL: Histamine, norepinephrine, and bradykinin stimulation of fibroblast growth and modification of serotonin response.
Proc Soc Exp Biol Med 144:929-33, Dec 73
*BRADYKININ, pharmacodynamics/ CELL
LINE/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ DRUG SYNERGISM/ EMBRYO/
FIBROBLASTS, drug effects/ *FIBROBLASTS,
growth & development/ *HISTAMINE,
pharmacodynamics/ HUMAN/ LUNG/ MICE/
*NOREPINEPHRINE, pharmacodynamics/
SEROTONIN, antagonists & inhibitors/
*SEROTONIN, pharmacodynamics/ SKIN/
STIMULATION, CHEMICAL/ TRYPTAMINES,
pharmacodynamics
431. Bouchama S, Henrion R, Michel G: Intérêt chirurgical de l'appréciation de la maturité pulmonaire foetale par l'examen du liquide amniotique.
J Chir (Paris) 106:337-40, Oct 73 (Fre)
ADULT/ *AMNIOTIC FLUID, analysis/
CESAREAN SECTION/ CHROMATOGRAPHY/
ENGLISH ABSTRACT/ FEMALE/ *FETUS,
growth & development/ HUMAN/
HYSTERECTOMY/ LECITHINS, analysis/
*LUNG, growth & development/ *OVARIAN
NEOPLASMS/ OVARIAN NEOPLASMS,
surgery/ *PHOSPHOLIPIDS, analysis/
PREGNANCY/ *PREGNANCY
COMPLICATIONS/ PREOPERATIVE CARE/
TIME FACTORS
432. Boucher JK, Rudy LW Jr, Edmunds LH Jr: Organ blood flow during pulsatile cardiopulmonary bypass.
J Appl Physiol 36:86-90, Jan 74
*ADRENAL GLANDS, blood supply/ ANIMAL
EXPERIMENTS/ DIURESIS/
*EXTRACORPOREAL CIRCULATION/
*INTESTINES, blood supply/ MACACA/
MICROSPHERES/ MONKEYS/ ORGAN
WEIGHT/ OXYGEN CONSUMPTION/ PULSE/
*REGIONAL BLOOD FLOW/ *STOMACH,
blood supply/ VASCULAR RESISTANCE
433. Bouchilloux S, Chabaud O, Ronin C: Cell-free peptide synthesis and carbohydrate incorporation by various thyroid particles.
Biochim Biophys Acta 322:401-20, 18 Oct 73
ANIMAL EXPERIMENTS/ *CARBOHYDRATES,
metabolism/ CARBON RADIOISOTOPES/
CELL-FREE SYSTEM/ CENTRIFUGATION,
DENSITY GRADIENT/ CYCLOHEXIMIDE,
pharmacodynamics/ GEL FILTRATION/
GLUCOSAMINE, metabolism/ GOLGI
APPARATUS, metabolism/ GUANINE
NUCLEOTIDES, metabolism/ KINETICS/
LEUCINE, metabolism/ MANNONE,
metabolism/ MICROSCOPY, ELECTRON/
MICROSOMES, drug effects/ MICROSOMES,
metabolism/ NEURAMINIC ACIDS/
NUCLEOSIDE DIPHOSPHATE SUGARS,
metabolism/ *PEPTIDES, biosynthesis/
POLYRIBOSOMES, metabolism/ PUROMYCIN,
pharmacodynamics/ SHEEP/ THYROID
GLAND, cytology/ *THYROID GLAND,
metabolism/ URIDINE DIPHOSPHATE
SUGARS, metabolism
434. Boué J, Gautier M, Bach C, et al: Syndrome 45,X et pterygium Coll.
Ann Genet (Paris) 16:219-20, Sep 73 (Fre)
*BONNEVIE-ULLRICH SYNDROME, familial &
genetic/ CHROMOSOME ABERRATIONS/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
INFANT, NEWBORN/ KARYOTYPING/
*PTERYGIUM, familial & genetic
435. Boukhris R: Coeur et thyroïde. Aspects cliniques et physiopathologiques.
Tunis Med 50:377-80, Sep-Oct 72 (Fre)
ARRHYTHMIA, etiology/ HEART,
physiopathology/ *HEART DISEASES, etiology/
HEART FAILURE, CONGESTIVE, etiology/
HUMAN/ HYPERTHYROIDISM, complications/
HYPOTHYROIDISM, complications/ *THYROID
DISEASES, complications/ THYROID
DISEASES, physiopathology
436. Boulant JA, Bignall KE: Hypothalamic neuronal responses to peripheral and deep-body temperatures.
Am J Physiol 225:1371-4, Dec 73
ANIMAL EXPERIMENTS/ *BODY
TEMPERATURE REGULATION/ HEAT/
*HYPOTHALAMUS, physiology/ NEURONS,
AFFERENT, physiology/ SKIN, innervation/
*SKIN TEMPERATURE/ SQUIRRELS/
THERMORECEPTORS, physiology
437. Bourgols R, Wagner J, Burny F: Détermination des propriétés mécaniques locales des os longs à l'aide de micro-éprouvettes.
Acta Orthop Belg [Suppl] 39:Suppl 1:25-32, 1973 (Fre)
*BONE AND BONES, physiology/ EQUIPMENT
AND SUPPLIES/ FEMUR, physiology/ TIBIA,
physiology
438. Bourneva V: Feinstruktur der Lutelnzellen des Meerschweinchenleierstocks während der Schwangerschaft und des Zyklus.
Z Zellforsch Mikrosk Anat 142:524-37, 1973 (Ger)
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM,
cytology/ ENDOPLASMIC RETICULUM/
ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/
*GUINEA PIGS, anatomy & histology/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
OVULATION/ PREGNANCY/ *PREGNANCY,
ANIMAL
439. Bournell JC, Roberts TK: The rôle of zinc in promoting the opalescence and cold-precipitation of hoar seminal plasma. J Reprod Fertl 36:91-9, Jan 74
ANIMAL EXPERIMENTS/ CADMIUM,
metabolism/ CALCIUM, metabolism/
CITRATES, metabolism/ COLD/
DENSITOMETRY/ MAGNESIUM, metabolism/
MALE/ MERCURY, metabolism/
PRECIPITATION/ REFRIGERATION/ *SEMEN,
metabolism/ SPECTROPHOTOMETRY/ SWINE/
*ZINC, metabolism
440. Bowdler IM: The development and usage of clomiphene. Bristol Med Chir J 87:53-6, Oct 72 (13 ref.)
*CLOMIPHENE, therapeutic use/ FEEDBACK/
FEMALE/ GONADOTROPINS, therapeutic use/
HUMAN/ MALE/ PREGNANCY/ REVIEW/
STEIN-LEVENTHAL SYNDROME,
drug therapy/ *STERILITY, drug therapy/
STERILITY, FEMALE, drug therapy/
STERILITY, MALE, drug therapy
441. Bowle EP, Williams G, Shino M, et al: The corticotroph of the rat adenohypophysis: a comparative study.
Am J Anat 138:499-519, Dec 73
ADRENALECTOMY/ CELL MEMBRANE/
*CORTICOTROPIN, analysis/ CYTOPLASMIC
GRANULES/ ENDOPLASMIC RETICULUM/
EPOXY RESINS/ FORMALDEHYDE/ GOLGI
APPARATUS/ HISTOCYTOCHEMISTRY/
IMMUNE SERUMS/ IMMUNOCHEMISTRY/
MALE/ METHODS/ MICROSCOPY,

AUTHOR SECTION

- ELECTRON/ MITOCHONDRIA/ OSMIUM/
*PITUITARY GLAND, cytology/ RATS
442. Bowman JT, Simmons JR: Gene modulation in *Drosophila*: dosage compensation of Pgd+ and Zw+ genes. *Biochem Genet* 10:319-31, Dec 73
ANEUPLOIDY/ ANIMAL EXPERIMENTS/
CHROMOSOME ABERRATIONS/
CHROMOSOME MAPPING/ *DROSOPHILA
MELANOGASTER, enzymology/ FEMALE/
GENES, STRUCTURAL/ *GENOTYPE/
*GLUCOSEPHOSPHATE DEHYDROGENASE,
analysis/ MALE/ MUTATION/
*PHOSPHOGLUCONATE DEHYDROGENASE,
analysis/ PUPA/ SEX CHROMOSOMES/ SEX
FACTORS/ SPECTROPHOTOMETRY,
ULTRAVIOLET
443. Bortel CJ van, Engelfriet CP, Feltkamp TE: Immunofluorescence microphotometry for the detection of platelet antibodies. I. Standardization of the method. *Scand J Immunol* 2:217-29, 1973
ACETONE/ ALCOHOL, ETHYL/
*ANTI-ANTIBODIES/ ANTIGENS/ AZIDES/
*BLOOD PLATELETS, immunology/
FLUORESCENCE/ *FLUORESCENT ANTIBODY
TECHNIC, standards/ HUMAN/ IGA/ IGG/
IGM/ IMMUNE SERUMS/ MALE/ METHODS/
MICROSCOPY, PHASE CONTRAST/ SERUM
ALBUMIN, BOVINE/ SHEEP, immunology/
SODIUM/ TEMPERATURE/ THIOCYANATES/
TIME FACTORS
444. Bozduganov A, Tsanev K: Untersuchungen über Leber-, Herz-, Nieren-, Nebennieren- und Milzveränderungen nach Laserstrahleneinwirkung. *Radiobiol Radiother (Berl)* 14:441-50, 1973 (Ger)
*ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ ENGLISH ABSTRACT/
*KIDNEY, pathology/ *LASERS, adverse
effects/ *LIVER, pathology/ *MYOCARDIUM,
pathology/ NECROSIS/ RATS/ *SPLEEN,
pathology/ TIME FACTORS
445. Bradbury MW: Physiology of body fluids and electrolytes. *Br J Anaesth* 45:937-44, Sep 73 (37 ref.)
ALDOSTERONE, metabolism/ *BODY FLUIDS,
physiology/ BODY WATER, physiology/ BODY
WEIGHT/ CALCIUM, physiology/ CHLORIDES,
physiology/ EXTRACELLULAR SPACE,
physiology/ FEMALE/ HUMAN/ KIDNEY
GLOMERULUS, metabolism/ KINETICS/
LYMPH, physiology/ MALE/ OSMOLAR
CONCENTRATION/ PLASMA, physiology/
POTASSIUM, physiology/ REVIEW/ SODIUM,
physiology/ VASOPRESSIN, metabolism/
*WATER-ELECTROLYTE BALANCE
446. Bradbury MW, Burden J, Dicker A, et al: Proceedings: Stimulation of rat hypothalamus in vitro. *J Physiol (Lond)* 234:74P-75P, Oct 73
ACETYLCHOLINE, pharmacodynamics/
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CEREBRAL CORTEX, physiology/
CORTICOSTERONE, pharmacodynamics/
*CORTICOTROPIN RELEASING HORMONE,
secretion/ ELECTRIC STIMULATION/
FEEDBACK/ HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, physiology/
HYPOTHALAMUS, secretion/ IN VITRO/
OUABAIN, pharmacodynamics/
PHYSOSTIGMINE, pharmacodynamics/
POTASSIUM, analysis/ RATS/ STIMULATION,
CHEMICAL
447. Bradley N: Notes on theory-making, on scotoma of the nipples and on the bee as nipple. *Int J Psychoanal* 54:301-14, 1973
ABSTRACTING AND INDEXING/ *BEES/
*BREAST/ DAIRY PRODUCTS/ FEMALE/
HOMOSEXUALITY/ HUMAN/ MALE/
*PSYCHOANALYTIC THEORY/ PUBERTY/
SADISM/ SCOTOMA/ UNCONSCIOUS
(PSYCHOLOGY)
448. Braeman J, Povey MJ: Letter: P.H.A. response and steroid therapy. *Lancet* 1:28, 5 Jan 74
ADULT/ ANTILYMPHOCYTE SERUM/
CORTICOTROPIN, administration & dosage/
CORTICOTROPIN, therapeutic use/ FEMALE/
HUMAN/ IMMUNOSUPPRESSION/
*LYMPHOCYTE TRANSFORMATION/
LYMPHOCYTES, drug effects/
LYMPHOCYTES, immunology/ *PLANT
AGGLUTININS, pharmacodynamics/
PREDNISONE, administration & dosage/
PREDNISONE, therapeutic use
449. Bralet J, Rochette L: Influence du traitement par la clonidine sur la synthèse des catecholamines dans le coeur, les glandes sous-maxillaires et la surrenale du rat. *Biochem Pharmacol* 22:3173-80, 15 Dec 73 (Fre)
*ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ *CATECHOLAMINES,
biosynthesis/ *CLONIDINE, pharmacodynamics/
DOPAMINE, biosynthesis/ ENGLISH
ABSTRACT/ *HEART, drug effects/
KINETICS/ MALE/ *MYOCARDIUM,
metabolism/ NOREPINEPHRINE, biosynthesis/
RATS/ *SUBMANDIBULAR GLAND,
metabolism/ TRITIUM/ TYROSINE,
metabolism
450. Branda LA, Vallancourt P, Kominkova E: Effect of oxytocin on the perfused human placenta in vitro. *Am J Obstet Gynecol* 117:1116-25, 15 Dec 73
*AMINOPEPTIDASES, physiology/
ANGIOTENSIN, physiology/ BLOOD/ FEMALE/
HUMAN/ IN VITRO/ MATERNAL-FETAL
EXCHANGE/ OXYTOCIN, metabolism/
*OXYTOCIN, pharmacodynamics/
OXYTOCINASE, physiology/ PERFUSION/
*PLACENTA, drug effects/ PLACENTA,
enzymology/ UMBILICAL ARTERIES/
UMBILICAL CORD/ UMBILICAL VEINS
451. Brandesky G, Regele H: Histologische Untersuchungen beim Leistenhoden. *Monatsschr Kinderheilkd* 121:611-3, Oct 73 (Ger)
ADOLESCENCE/ BIOPSY/ CELL COUNT/
CHILD/ CHILD, PRESCHOOL/
CRYPTORCHISM, drug therapy/
CRYPTORCHISM, etiology/ *CRYPTORCHISM,
pathology/ CRYPTORCHISM, surgery/
EJACULATORY DUCTS, pathology/ ENGLISH
ABSTRACT/ GONADOTROPINS, CHORIONIC,
therapeutic use/ HUMAN/ INFANT/
INGUINAL HERNIA, surgery/ MALE/
POSTOPERATIVE COMPLICATIONS/
PREOPERATIVE CARE/ SPERMATOGENESIS/
SPERMATOZOA, analysis/ *TESTIS, pathology/
TIME FACTORS
452. Brandtzaeg P: Conjugates of immunoglobulin G with different fluorochromes. I. Characterization by anionic-exchange chromatography. *Scand J Immunol* 2:273-90, 1973
AMMONIUM COMPOUNDS/ BENZOATES/
CHLORIDES/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ CHROMATOGRAPHY, ION
EXCHANGE/ DIALYSIS/ FLUORESCENCE/
GEL FILTRATION/ GOATS, immunology/
HUMAN/ *IGG, analysis/ IMMUNE SERUMS/
IMMUNOELECTROPHORESIS/ METHODS/
RABBITS, immunology/ SHEEP, immunology/
SPECTROPHOTOMETRY/ SULFONES/
THIOCYANATES/ TIME FACTORS/
XANTHENES
453. Branham GB, Garels FJ, Gill WL, et al: Oral surgical management of a patient with malignant pheochromocytoma. *J Oral Surg* 32:54-6, Jan 74
ADULT/ ANESTHESIA, LOCAL/ CASE
REPORT/ FEMALE/ HUMAN/
HYPERTENSION, drug therapy/ MOLAR/
PHENOXYBENZAMINE, therapeutic use/
*PHEOCHROMOCYTOMA/ PREANESTHETIC
MEDICATION/ PREOPERATIVE CARE/
*TOOTH EXTRACTION/ TOOTH, IMPACTED,
surgery
454. Brantom PG, Gaunt IF, Hardy J, et al: Long-term feeding and reproduction studies on emulsifier YN in rats. *Food Cosmet Toxicol* 11:755-69, Oct 73
ANIMAL EXPERIMENTS/ BODY WEIGHT,
drug effects/ DIET/ ENDOMYOCARDIAL
FIBROSIS, chemically induced/ FEMALE/
FERTILITY, drug effects/ HYPERPLASIA,

AUTHOR SECTION

- chemically induced/ KIDNEY FUNCTION TESTS/ LACTATION/ LECITHINS, toxicity/ MALE/ ORGAN WEIGHT/ PARATHYROID DISEASES, chemically induced/ *PHOSPHOLIPIDS, toxicity/ PREGNANCY/ RATS/ THYROID GLAND, drug effects/ TIME FACTORS/ *TRIGLYCERIDES, toxicity
455. Brantom PG, Gaunt IF, Grasso P: Long-term toxicity of sodium cyclamate in mice. Food Cosmet Toxicol 11:735-46, Oct 73
ADRENAL GLANDS, drug effects/ ANEMIA, chemically induced/ ANIMAL EXPERIMENTS/ BLADDER, drug effects/ BLOOD CELL COUNT/ BODY WEIGHT, drug effects/ *CYCLAMATES, toxicity/ FEMALE/ GENITALIA, drug effects/ HEMOGLOBIN/ KIDNEY, drug effects/ LIVER, drug effects/ LUNG, drug effects/ LYMPH NODES, drug effects/ MALE/ MICE/ ORGAN WEIGHT/ PANCREAS, drug effects/ SALIVARY GLANDS, drug effects/ SPLEEN, drug effects/ THYMUS GLAND, drug effects/ TIME FACTORS
456. Braselmann H, Krause H, Ramm C: Hyaluronic acid from the fibularis nerve in a case of hypertrophic neuritis (type Ronnsy Cornil). J Neurochem 21:1567-8, Dec 73
CHROMATOGRAPHY/ HUMAN/ *HYALURONIC ACID, analysis/ HYALURONIDASE/ HYDROLYSIS/ MUCOPOLYSACCHARIDES, physiology/ *NEURITIS, metabolism/ *NEURONS, analysis/ PAPAINE/ TESTIS, enzymology/ VISCOSITY
457. Bratus' VD, Cheren'ko MP: Khirurgicheskoe lechenie zaholevanij shchitovidnoj zhelezy. Ter Arkh 45:49-56, Sep 73 (Rus)
CHRONIC DISEASE/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ SEX FACTORS/ *THYROID DISEASES, surgery/ *THYROID NEOPLASMS, surgery/ TIME FACTORS
458. Braun CV, Schmidt DE Jr: Inhibition of fumarylacetoacetate fumarylhydrolase by monovalent anions. Biochemistry 12:4878-81, 20 Nov 73
ACETOACETATES/ BICARBONATES/ BINDING, COMPETITIVE/ BROMIDES/ CARBOXYLIC ACIDS/ CHLORIDES/ CHROMATOGRAPHY, ION EXCHANGE/ FLUORIDES/ FUMARATES/ *HYDROLASES, antagonists & inhibitors/ HYDROLASES, isolation & purification/ KETO ACIDS/ MATHEMATICS/ NITRATES/ PERCHLORIC ACIDS/ PROTEIN BINDING/ SODIUM/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOCYANATES/ TRICHLOROACETIC ACID
459. Braverman B, Davis JO: Adrenal steroid secretion in the rabbit: sodium depletion, angiotensin II, and ACTH. Am J Physiol 225:1306-10, Dec 73
*ADRENAL CORTEX HORMONES, secretion/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ ALDOSTERONE, secretion/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CORTICOSTERONE, secretion/ *CORTICOTROPIN, pharmacodynamics/ DESOXYCORTICOSTERONE, secretion/ DEXAMETHASONE, pharmacodynamics/ DOGS, physiology/ HYDROCORTISONE, secretion/ MALE/ PITUITARY GLAND, physiology/ *RABBITS, physiology/ RENIN, blood/ *SODIUM, blood/ STRESS, physiology/ TRITIUM
460. Bravo EL, Tarazi RC, Dustan HP: On the mechanism of suppressed plasma-renin activity during beta-adrenergic blockade with propranolol. J Lab Clin Med 83:119-28, Jan 74
ADULT/ ALDOSTERONE, metabolism/ DIET, SALT-FREE/ DIURETICS, administration & dosage/ DIURETICS, therapeutic use/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ HYPERTENSION, metabolism/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PROPRANOLOL, administration & dosage/ *PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ RENIN, biosynthesis/ RENIN, blood/ RENIN, secretion/ SODIUM, physiology
461. Breach RA, Dils R, Watts R: Milk triglycerides: the degree of non-random associations of fatty acids. J Dairy Res 40:273-87, Jun 73
ACYLATION/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ *FATTY ACIDS, metabolism/ GLYCERIN, metabolism/ GUINEA PIGS/ HAMSTERS/ HUMAN/ LACTATION/ MICE/ *MILK, metabolism/ *MILK, HUMAN, metabolism/ MINK/ ORGAN SPECIFICITY/ PREGNANCY/ RABBITS/ RATS/ SPECIES SPECIFICITY/ TRIGLYCERIDES, biosynthesis/ *TRIGLYCERIDES, metabolism
462. Brech WJ, Sigmund E, Nobbe F, et al: Proceedings: Renal venous renin secretion and intrarenal haemodynamics in patients with renal artery stenosis. J Cardiovasc Surg (Torino) 14:657-61, Nov-Dec 73
ADOLESCENCE/ ADULT/ ANGIOGRAPHY/ DIAGNOSIS, COMPUTER ASSISTED/ HUMAN/ HYPERTENSION, RENAL, enzymology/ HYPERTENSION, RENAL, physiology/ *KIDNEY, blood supply/ MIDDLE AGE/ RADIOIMMUNOASSAY/ RADIOISOTOPES/ *RENAL ARTERY OBSTRUCTION, enzymology/ RENAL ARTERY OBSTRUCTION, physiology/ RENAL ARTERY OBSTRUCTION, radiography/ RENIN, blood/ *RENIN, secretion/ XENON
463. Breese GR, Smith RD, Mueller RA, et al: Induction of adrenal catecholamine synthesizing enzymes following mother-infant separation. Nature [New Biol] 246:94-6, 21 Nov 73
*ACETYLTRANSFERASES, metabolism/ *ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *ANXIETY, SEPARATION, enzymology/ ANXIETY, SEPARATION, metabolism/ BRAIN, enzymology/ BRAIN CHEMISTRY/ *CATECHOLAMINES, biosynthesis/ CAUDATE NUCLEUS, analysis/ CHOLINE/ DOPAMINE, analysis/ *DOPAMINE BETA HYDROXYLASE, metabolism/ FEMALE/ HYPOTHALAMUS, analysis/ MACACA/ MEDULLA OBLONGATA, analysis/ MONKEYS/ NOREPINEPHRINE, analysis/ PARIETAL LOBE, analysis/ *PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ SEROTONIN, analysis/ *TYROSINE HYDROXYLASE, metabolism
464. Breitenacker G, Lunglmayr G, Goslar HG, et al: Zur Wirkung eines Milddiälysat auf die Genitalorgane der männlichen Ratte. 1. Morphologische und enzymhistochemische Untersuchungen. Andrologie 4:363-74, 1972 (Ger)
ACID PHOSPHATASE, analysis/ ALCOHOL OXIDOREDUCTASES, analysis/ ALKALINE PHOSPHATASE, analysis/ ANDROSTENOLS/ ANIMAL EXPERIMENTS/ CYTOCHROME REDUCTASES, analysis/ DEHYDROEPIANDROSTERONE/ ENGLISH ABSTRACT/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HEAT/ HISTOCYTOCHEMISTRY/ HYDROXYSTEROID DEHYDROGENASES, analysis/ LACTATE DEHYDROGENASE, analysis/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, enzymology/ MALE/ NADH, NADPH OXIDOREDUCTASES, analysis/ RATS/ SPLEEN/ TETRAZOLIUM SALTS
465. Brendler H: Adrenalectomy and buphophysectomy for prostatic cancer. Urology 2:99-102, Aug 73 (38 ref.)
ACID PHOSPHATASE, blood/ *ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASTRATION/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, therapeutic use/ GOLD ISOTOPES/ HUMAN/ *HYPOPHYSECTOMY/ 17-KETOSTEROIDS, urine/ LH, pharmacodynamics/ MALE/ PITUITARY GLAND IRRADIATION/

AUTHOR SECTION

- PROLACTIN, pharmacodynamics/ PROSTATE, drug effects/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, therapy/ RADIOISOTOPES/ RATS/ REMISSION/ REVIEW/ SOMATOTROPIN, pharmacodynamics
466. Brenner EH, Shock JP: Proptosis secondary to systemic lupus erythematosus. Arch Ophthalmol 91:81-2, Jan 74
EXOPHTHALMOS, drug therapy/
*EXOPHTHALMOS, etiology/
EXOPHTHALMOS, pathology/ EYELIDS, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ LUPUS ERYTHEMATOSUS, DISCOID/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SKIN, pathology
467. Brenner PF, Guerrero R, Cekan Z, et al: Radioimmunoassay method for six steroids in human plasma. Steroids 22:775-94, Dec 73
*ANDROSTENOLS, blood/ ANIMAL EXPERIMENTS/ ANTIBODY SPECIFICITY/ CHARCOAL/ CHROMATOGRAPHY/
*ESTRADIOL, blood/ *ESTRONE, blood/ HAPTENS/ HUMAN/ METHODS/ PREGNENOLONE, blood/ *PROGESTERONE, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *STEROIDS, blood/ *TESTOSTERONE, blood/ TRITIUM
468. Brenner WE, Fishburne JI, McMillan CW, et al: Coagulation changes during abortion induced by prostaglandin F2alpha. Am J Obstet Gynecol 117:1080-7, 15 Dec 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ *BLOOD COAGULATION, drug effects/ BLOOD COAGULATION FACTORS, analysis/ BLOOD COAGULATION TESTS/ FACTOR V, analysis/ FACTOR VIII, analysis/ FEMALE/ HUMAN/ HYPERTONIC SOLUTIONS/ PREGNANCY/
*PROTAGLANDINS, administration & dosage/ PROTHROMBIN TIME/ SALTS, administration & dosage/ THROMBIN, analysis/ THROMBOPLASTIN, analysis/ TIME FACTORS
469. Bressler RS: Myoid cells in the capsule of the adrenal gland and in monolayers derived from cultured adrenal capsules. Anat Rec 177:525-31, Dec 73
*ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CELL MEMBRANE/ COMPARATIVE STUDY/ CYTOPLASM/ DOGS/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ FIBROBLASTS/ HISTOLOGY, COMPARATIVE/ MALE/ MICE/ MICROSCOPY, ELECTRON/ *MUSCLE, SMOOTH, cytology/ RATS/ RIBOSOMES/ TESTIS, cytology/ TISSUE CULTURE
470. Breton B, Jalabert B, Billard R: Pituitary and plasma gonadotrophin levels and spermatogenesis in the goldfish Carassius auratus after methallibure treatment. J Endocrinol 59:415-20, Dec 73
ALLYL COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CONNECTIVE TISSUE CELLS, drug effects/ *CYPRINIDAE, physiology/ *GONADOTROPINS, blood/
*GONADOTROPINS, PITUITARY, analysis/ MALE/ RADIOIMMUNOASSAY/ SERTOLI CELLS, drug effects/ *SPERMATOGENESIS, drug effects/ TESTIS, drug effects/ *THIOUREA, pharmacodynamics
471. Breuer H, Kime DE, Knuppen R: Metabolism of 6-chloro-9 beta, 10 alpha-pregna-1,4,6-triene-3,20-dione in rat, rabbit, monkey and man. Acta Endocrinol (Kbh) 74:127-43, Sep 73
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ CHILD/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ FEMALE/
*FERTILITY AGENTS, metabolism/ HUMAN/ HYDROXYLATION/ IN VITRO/ *LIVER, metabolism/ MALE/ MIDDLE AGE/ MONKEYS/ *PREGNATRIENES, metabolism/ *PROGESTATIONAL HORMONES, metabolism/ RABBITS/ RATS/ SEX FACTORS/ SPECTROPHOTOMETRY, INFRARED/ SPECTRUM ANALYSIS, MASS/ TISSUE CULTURE/ TRENDESTONE, metabolism/ TRENDESTONE, urine/ TRITIUM
472. Breynaert R, Bergeron G, Dumortier-Iscoyich C, et al: Une observation familiale de syndrome de Whitaker. Acta Paediatr Belg 27:184-217, 1973 (Fre)
*ADDISON'S DISEASE, familial & genetic/ ADOLESCENCE/ *AUTOIMMUNE DISEASES/ CALCIUM METABOLISM DISORDERS, etiology/ CHILD/ HUMAN/
*HYPOPARATHYROIDISM, familial & genetic/ MALE/ *MONILIASIS, CUTANEOUS, familial & genetic/ PEDIGREE/ PHOSPHORUS METABOLISM DISORDERS, etiology/ SYNDROME
473. Bricalre H, Luton JP: Intérêt pour le clinicien des explorations vasculaires des capsules surrénales. Ann Radiol (Paris) 16:545-8, Sep-Oct 73 (Fre)
*ADRENAL GLAND DISEASES, radiography/
*ADRENAL GLAND HYPERFUNCTION, radiography/
*ADRENAL GLAND NEOPLASMS, radiography/
*ADRENAL GLANDS, radiography/ ANGIOGRAPHY/ CUSHING'S SYNDROME, radiography/
ENGLISH ABSTRACT/ HUMAN/ HYPERALDOSTERONISM, radiography/
PHEOCHROMOCYTOMA, radiography/
PHLEBOGRAPHY/
RETROPNEUMOPERITONEUM
474. Bridges PK: Practical aspects of the use of some psychological tests of anxiety in a situation of stress. Br J Psychiatry 123:587-96, Nov 73
ADRENAL CORTEX HORMONES, urine/
*ANXIETY, diagnosis/ BLOOD PRESSURE/ HEART RATE/ HUMAN/ 17-KETOSTEROIDS, urine/ PERSONALITY INVENTORY/
*PSYCHOLOGICAL TESTS/ RESPIRATION/
*STRESS, PSYCHOLOGICAL/ URINATION
475. Briggs MH: Letter: The "morning after" pill. Med J Aust 2:910, 10 Nov 73
*CONTRACEPTIVES, POSTCOITAL/
CONTRACEPTIVES, POSTCOITAL, adverse effects/
*DIETHYLSTILBESTROL/
DIETHYLSTILBESTROL, adverse effects/
FEMALE/ HUMAN/ NEOPLASMS, chemically induced/ PREGNANCY/ PREGNANCY, ECTOPIC, chemically induced/ SELF MEDICATION
476. Brilliant MD: Lechenie ostrykh leikozov. Ter Arkh 45:72-85, Sep 73 (37 ref.) (Rus)
ACUTE DISEASE/ ADULT/ AGE FACTORS/
*ANTINEOPLASTIC AGENTS, therapeutic use/
ASPARAGINASE, therapeutic use/ CHILD/
CYTARABINE, therapeutic use/
DAUNOMYCIN, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/
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LEUKEMIA, LYMPHOBLASTIC, drug therapy/
LEUKEMIA, MYELOBLASTIC, drug therapy/
MALE/ MERCAPTOPYRINE, therapeutic use/
METHODS/ METHOTREXATE, therapeutic use/
PREDNISOLONE, therapeutic use/
RECURRENCE/ REMISSION/ REVIEW/
VINCISTINE, therapeutic use
477. Brimble MJ, Wallis DI: Histamine H1 and H2-receptors at a ganglionic synapse. Nature 246:156-8, 16 Nov 73
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ BENZYL/ COMPOUNDS, pharmacodynamics/ DEPRESSION, CHEMICAL/ DRUG INTERACTIONS/ ELECTRIC STIMULATION/ ETHYLENEDIAMINES, pharmacodynamics/ *GANGLIA, SPINAL, metabolism/ HISTAMINE, antagonists & inhibitors/ *HISTAMINE, metabolism/ HISTAMINE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ NEURAL TRANSMISSION, drug effects/ PYRIDINES, pharmacodynamics/ RABBITS/ *RECEPTORS,

AUTHOR SECTION

- DRUG/ *SYNAPSES, metabolism/ THIOUREA, pharmacodynamics
478. Britton K, Eli P: Letter: Thyroid scanning. Br Med J 4:782, 29 Dec 73
HUMAN/ *RADIOISOTOPE SCANNING/
*THYROID NEOPLASMS, diagnosis
 479. Bro-Rasmussen F: Effect of cortisol on the eosinophils in the rat spleen. Autoradiographic studies. Scand J Haematol 11:59-70, 1973
AUTORADIOGRAPHY/ CELL DIVISION, drug effects/ CELL SURVIVAL, drug effects/ DEPRESSION, CHEMICAL/ *EOSINOPHILS, drug effects/ EOSINOPHILS, metabolism/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LEUKOCYTE COUNT/ ORGAN WEIGHT/ SPLEEN, anatomy & histology/ *SPLEEN, drug effects/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM
 480. Brodeur J: International certificates of vaccination. N Engl J Med 290:106, 10 Jan 74
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ KIDNEY TUBULES, physiology/ *PHOSPHATES, urine/ RICKETS, VITAMIN D RESISTANT, physiology/ *RICKETS, VITAMIN D RESISTANT, urine
 481. Brodie EM, Limber GK, King ER, et al: Carcinoma of the ovary. Radiation therapy experience. Va Med Mon 101:17-21, Jan 74
*ADENOCARCINOMA, radiotherapy/ ADULT/ AGED/ *ENDOMETRIOSIS, radiotherapy/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, radiotherapy/ RADIOTHERAPY, HIGH ENERGY/ TIME FACTORS
 482. Brodie HK, Gartrell N, Doering C, et al: Plasma testosterone levels in heterosexual and homosexual men. Am J Psychiatry 131:82-3, Jan 74
ADULT/ BINDING, COMPETITIVE/ CALIFORNIA/ CHROMATOGRAPHY, THIN LAYER/ *HOMOSEXUALITY/ HUMAN/ MALE/ PROTEIN BINDING/ SEX BEHAVIOR/ *TESTOSTERONE, blood
 483. Brohult J, Jonson B: Effects of large doses of calciferol on patients with rheumatoid arthritis. A double-blind clinical trial. Scand J Rheumatol 2:173-6, 1973
ADOLESCENCE/ ADULT/ AGED/ AGGLUTINATION TESTS/ ALPHA GLOBULIN, analysis/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ *ARTHRITIS, RHEUMATOID, drug therapy/ BLOOD SEDIMENTATION/ CALCIUM, blood/ CLINICAL RESEARCH/ *ERGOCALCIFEROL, therapeutic use/ FEMALE/ HEMOGLOBIN/ HUMAN/ MALE/ MIDDLE AGE/ PLACEBOS/ SALICYLATES, therapeutic use/ SHEEP, immunology/ TIME FACTORS
 484. Bronson FH, Stetson MH: Gonadotropin release in prepubertal female mice following male exposure: a comparison with the adult cycle. Biol Reprod 9:449-59, Dec 73
ANIMAL EXPERIMENTS/ COITUS/ *ESTRUS/ FEMALE/ *FSH, secretion/ LH, blood/ *LH, secretion/ MICE/ *OVULATION/ PREGNANCY/ *PUBERTY/ RADIOIMMUNOASSAY/ TIME FACTORS/ UTERUS, growth & development
 485. Bronzino JD, Brusseau J, Morgane PJ, et al: Power spectrum analysis of EEG synchronization following application of serotonin to area postrema. Ann Biomed Eng 1:246-53, Dec 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATS/ *CEREBRAL VENTRICLES, drug effects/ COMPUTERS/ *ELECTROENCEPHALOGRAPHY/ LIDOCAINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PROBABILITY/ *SEROTONIN, pharmacodynamics
 486. Brook CG, Bambach M, Zachmann M, et al: Familial congenital adrenal hypoplasia. Helv Paediatr Acta 28:277-82, Oct 73
ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, congenital/ ADRENAL GLAND HYPOFUNCTION, diagnosis/ *ADRENAL GLAND HYPOFUNCTION, familial & genetic/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ GROWTH/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPONATREMIA, etiology/ INFANT, NEWBORN/ MALE
 487. Brooks DE, Hamilton DW, Mallek AH: Carnitine and glycylphosphorylcholine in the reproductive tract of the male rat. J Reprod Fertil 36:141-60, Jan 74
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *CARNITINE, analysis/ CASTRATION/ CENTRIFUGATION/ CRYPTORCHISM, metabolism/ CYPROTERONE, pharmacodynamics/ *EPIDIDYMIS, analysis/ FATTY ACIDS, NONESTERIFIED, blood/ *GLYCERYLPHOSPHORYLCHOLINE, analysis/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ ORGAN WEIGHT/ PUBERTY/ RATS/ SEMEN, analysis/ SEMINAL VESICLES, analysis/ SPECTROPHOTOMETRY/ TESTIS, analysis/ TESTOSTERONE, pharmacodynamics
 488. Brooks JC, Segal FL: Calcium-binding phosphoprotein: the principal acidic protein of mammalian sperm. Biochem Biophys Res Commun 55:710-6, 10 Dec 73
ADRENAL MEDULLA, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CALCIUM/ CALCIUM RADIOISOTOPES/ CATTLE/ CELLULOSE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPIDIDYMIS/ FEMALE/ FETUS/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ HYDROXYAPATITE/ MALE/ ORGAN SPECIFICITY/ *PHOSPHOPROTEINS, analysis/ PREGNANCY/ PROTEIN BINDING/ *SPERMATOZOA, analysis/ TESTIS/ ULTRAFILTRATION
 489. Brooks PH, Cole DJ: The effect of feed pattern in lactation and fasting following weaning on reproductive phenomena in the sow. Vet Rec 93:276-80, 8 Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *FASTING/ *FEEDING BEHAVIOR/ FEMALE/ FOOD ANALYSIS/ *LACTATION/ PREGNANCY/ *REPRODUCTION/ *SWINE, physiology/ TIME FACTORS/ *WEANING
 490. Brostoff J, Howell A, Rolft IM: Leucocyte migration inhibition with aggregated gamma globulin in patients with rheumatoid arthritis. Clin Exp Immunol 15:1-7, Sep 73
ADULT/ AGED/ ANTI-ANTIBODIES/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, immunology/ *CELL MIGRATION INHIBITION/ FEMALE/ GOLD, therapeutic use/ HEMAGGLUTINATION TESTS/ HUMAN/ IGG/ *LEUKOCYTES, immunology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SHEEP, immunology
 491. Brotherton J: Effect of oral cyproterone acetate on urinary and serum FSH and LH levels in adult males being treated for hypersexuality. J Reprod Fertil 36:177-87, Jan 74
ADMINISTRATION, ORAL/ ADULT/ CYPROTERONE, administration & dosage/ *CYPROTERONE, therapeutic use/ *FSH, analysis/ GONADOTROPINS, PITUITARY, blood/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ *LH, analysis/ MALE/ MIDDLE AGE/ MONGOLISM, metabolism/ RADIOIMMUNOASSAY/ SCHIZOPHRENIA, metabolism/ *SEX DEVIATION, drug therapy
 492. Brown ID, Shaw DG: Multiple osteochondroses of the feet in a West Indian family. J Bone Joint Surg [Am] 55:884-70, Nov 73

AUTHOR SECTION

- ADOLESCENCE/ BONE AND BONES, blood supply/ CHILD/ FOOT, blood supply/ *FOOT DISEASES, familial & genetic/ FOOT DISEASES, radiography/ GENES, RECESSIVE/ HUMAN/ MALE/ NECROSIS/ NEGROID RACE/ *OSTEOCHONDritis, familial & genetic/ OSTEOCHONDritis, radiography/ PEDIGREE/ WEST INDIES
493. Brown JJ, Fraser R, Lever AF, et al: Hypertension and secondary hyperaldosteronism associated with a renin-secreting renal juxtaglomerular-cell tumour. *Lancet* 2:1228-32, 1 Dec 73
ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ CHILD/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, etiology/ *HYPERTENSION, RENAL, etiology/ JUXTAGLOMERULAR APPARATUS, blood supply/ *JUXTAGLOMERULAR APPARATUS, pathology/ KIDNEY, blood supply/ KIDNEY NEOPLASMS, blood/ KIDNEY NEOPLASMS, complications/ *KIDNEY NEOPLASMS, diagnosis/ KIDNEY NEOPLASMS, pathology/ KIDNEY NEOPLASMS, physiopathology/ KIDNEY NEOPLASMS, surgery/ MICROSCOPY, ELECTRON/ RADIOISOTOPE RENOGRAPHY/ RENAL ARTERY, radiography/ RENAL VEINS, radiography/ *RENIN, blood/ *RENIN, secretion/ SYNDROME
494. Brown KI, Nestor KE: Some physiological responses of turkeys selected for high and low adrenal response to cold stress. *Poult Sci* 52:1948-54, Sep 73
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *COLD/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ EGGS/ FEMALE/ FERTILITY/ HEAT/ INCUBATORS/ INSEMINATION, ARTIFICIAL/ MALE/ POULTRY DISEASES, mortality/ *POULTRY DISEASES, physiopathology/ *SELECTION (GENETICS)/ STRESS, mortality/ STRESS, physiopathology/ *STRESS, veterinary/ *TURKEYS, physiology
495. Brown PC, Glynn LE: Experimental allergic orchitis induced with incomplete adjuvant in guinea-pigs suspected of a nutritional deficiency. *J Pathol* 111:77-83, Oct 73
*ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ ASCORBIC ACID/ *AUTOIMMUNE DISEASES/ EPIDIDYMIS, pathology/ GUINEA PIGS/ IMMUNIZATION/ MALE/ *NUTRITION DISORDERS, immunology/ *ORCHITIS, immunology/ ORCHITIS, pathology/ SKIN TESTS/ TESTIS, pathology/ VEGETABLES
496. Brown S: Orchidopexy using a Dartos pouch. *Ulster Med J* 42:192-4, 1973
ADULT/ CHILD/ *CRYPTORCHISM, surgery/ HUMAN/ MALE/ METHODS/ MUSCLES, surgery/ *TESTIS, surgery
497. Browne TR, Wray SH: Subconjunctival hemorrhage as a complication of ophthalmodynamometry in an anticoagulated patient. *Am J Ophthalmol* 76:981-3, Dec 73
AGED/ *CAROTID ARTERY THROMBOSIS, diagnosis/ CAROTID ARTERY THROMBOSIS, drug therapy/ CEREBRAL ISCHEMIA, TRANSIENT, complications/ *CONJUNCTIVA/ ECCHYMOSIS, etiology/ EYE DISEASES, etiology/ EYE MOVEMENTS/ FEMALE/ *HEMORRHAGE, etiology/ *HEPARIN, adverse effects/ HEPARIN, therapeutic use/ HUMAN/ HYPERKINESIS, etiology/ HYPERTHYROIDISM, complications/ *OPHTHALMODYNAMOMETRY, adverse effects
498. Bruckdorfer KR, Kang SS, Yudkin J: Plasma concentrations of insulin, corticosterone, lipids and sugars in rats fed on meals with glucose and fructose. *Proc Nutr Soc* 32:12A-13A, May 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ *CORTICOSTERONE, blood/ *DIETARY CARBOHYDRATES, metabolism/ FRUCTOSE, metabolism/ GLUCOSE, metabolism/ *INSULIN, blood/ *LIPIDS, blood/ MALE/ RATS
499. Brzecki A, Jahura-Szpejankowska D: W sprawie diagnostyki różnicowej zespołu Simmondsa. *Pol Tyg Lek* 28:1820-2, 12 Nov 73 (Pol)
ADOLESCENCE/ BRAIN NEOPLASMS, complications/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ HYPOPITUITARISM, complications/ *HYPOPITUITARISM, diagnosis/ MALE/ PINEAL BODY/ SYNDROME
500. Bucher B, Koch B, Mialhe C: Sur l'existence d'un mécanisme de "feedback rapide" ACTH-corticotérolone. *J Physiol (Paris)* 66:199-209, 1973 (Fre)
*ADRENAL GLANDS, secretion/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ *CORTICOSTERONE, secretion/ CORTICOTROPIN, blood/ *CORTICOTROPIN, secretion/ CORTICOTROPIN RELEASING HORMONE, secretion/ ENGLISH ABSTRACT/ FEEDBACK/ MALE/ METHODS/ *PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, secretion/ RATS/ SECRETORY RATE
501. Buck C: Untersuchungen des Trypsininhibitors im Frischsperma unter besonderer Berücksichtigung der Beziehungen zum Fruktosegehalt. *Andrologie* 5:23-36, 1973 (Ger)
AMITRIPTYLINE, therapeutic use/ ANDROSTANES, therapeutic use/ CELL COUNT/ ENGLISH ABSTRACT/ *FRUCTOSE, analysis/ HUMAN/ MALE/ METHODS/ SEMEN, analysis/ *SEMEN, enzymology/ SPECTROPHOTOMETRY/ SPERMATOZOA/ STEROLS, therapeutic use/ SULFAMETHOXAZOLE, therapeutic use/ TEMPERATURE/ TIME FACTORS/ TRIMETHOPRIM, therapeutic use/ *TRYPSIN INHIBITORS, analysis/ TRYPSIN INHIBITORS, metabolism
502. Buck-Gramcko H: Klinische Prüfung der Ultralan Kristallsuspension (Fluocortoloncapronat). *Med Welt* 24:1754-6, 9 Nov 73 (Ger)
ARTHRITIS, drug therapy/ CAPROATES, administration & dosage/ CLINICAL RESEARCH/ ELBOW JOINT/ HUMAN/ INJECTIONS/ INJECTIONS, INTRA-ARTICULAR/ JOINT DISEASES, drug therapy/ *JOINT DISEASES, drug therapy/ *PREGNANES, administration & dosage/ SHOULDER JOINT/ TENDINITIS, drug therapy/ TENOSYNOVITIS, drug therapy
503. Buckingham RH, Danchin A, Grunberg-Manago M: The effect of an intramolecular cross-link on reversible denaturation in tryptophan transfer ribonucleic acid from *Escherichia coli*. *Biochemistry* 12:5393-9, 18 Dec 73
AMINO ACID ACTIVATION/ CARBON RADIOISOTOPES/ CHEMISTRY/ CYTOSINE/ DRUG STABILITY/ *ESCHERICHIA COLI/ HYDROGEN-ION CONCENTRATION/ KINETICS/ NUCLEIC ACID CONFORMATION/ NUCLEIC ACID DENATURATION/ NUCLEIC ACID RENATURATION/ *RNA, BACTERIAL/ RNA, BACTERIAL, radiation effects/ *RNA, TRANSFER/ RNA, TRANSFER, radiation effects/ TEMPERATURE/ THERMODYNAMICS/ THIOURACIL/ TRYPTOPHAN/ ULTRAVIOLET RAYS
504. Buhl SN, Setlow RB, Regan JD: Recovery of the ability to synthesize DNA in segments of normal size at long times after ultraviolet irradiation of human cells. *Bioophys J* 13:1265-75, Dec 73
AUTOSOME ABNORMALITIES, metabolism/ CELL LINE/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ DNA, biosynthesis/ *DNA, radiation effects/ DNA REPAIR/ DNA REPLICATION/ DWARFISM, metabolism/ FIBROBLASTS, metabolism/ FIBROBLASTS, radiation effects/ HUMAN/ HYPOGONADISM, metabolism/ ISOTOPE LABELING/ MENTAL RETARDATION,

AUTHOR SECTION

- metabolism/ MICROCEPHALY, metabolism/
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EFFECTS/ SPECIES SPECIFICITY/
THYMIDINE/ TIME FACTORS/ TRITIUM/
*ULTRAVIOLET RAYS/ XERODERMA
PIGMENTOSUM, metabolism
505. Buhrlay LE, Ellis LC: Catalase activity in rat testicular preparations: distribution and changes in activity induced by hypophysectomy and x-irradiation. *Fertil Steril* 24:956-61, Dec 73
ANIMAL EXPERIMENTS/ *CATALASE, analysis/ COMPARATIVE STUDY/
*HYPOPHYSECTOMY/ KINETICS/ MALE/
*RADIATION EFFECTS/ RATS/ *TESTIS, enzymology/ TESTIS, radiation effects
506. Buisseret PD: Effect of beclomethasone dipropionate on the diurnal variations in plasma cortisol level. *Acta Allergol (Kbh)* 28:126-31, Jul 73
ADOLESCENCE/ ADULT/ AEROSOLS/
ASTHMA, blood/ *ASTHMA, drug therapy/
BECLOMETHASONE, administration & dosage/
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*GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ *HYDROCORTISONE, blood/
INHALATION THERAPY/ MALE/
*METHYLPREDNISOLONE, therapeutic use/
MIDDLE AGE
507. Bukhman AI: Opyt provedeniia ekskretornoi pankreatografii v klinike endokrinnykh boleznei. *Probl Endokrinol (Mosk)* 19:43-5, Nov-Dec 73 (Rus)
ADOLESCENCE/ *ADRENAL GLAND DISEASES, radiography/ ADULT/ CHILD/
*DIABETES MELLITUS, radiography/
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *ISLET CELL TUMOR, radiography/ MALE/
METHODS/ MIDDLE AGE/ *PANCREAS, radiography/ *PANCREATIC NEOPLASMS, radiography/ SPECIES SPECIFICITY
508. Bullock DW, Bhatt BM: Proceedings: Oestrogen binding to rabbit blastocysts and its possible role in implantation. *J Reprod Fertil* 35:614-5, Dec 73
ANIMAL EXPERIMENTS/ ANISOLES, pharmacodynamics/ BLASTOCYST, drug effects/ *BLASTOCYST, metabolism/
ESTRADIOL, antagonists & inhibitors/
*ESTRADIOL, metabolism/ FEMALE/ IN VITRO/ *NIDATION, drug effects/
PREGNANCY/ PYRROLIDINES, pharmacodynamics/ RABBITS/ RECEPTORS, HORMONE, drug effects/ STYRENES, pharmacodynamics
509. Bülow H, Wulstein HK, Böttger G, et al: Mamma-Carcinom bei oestrogenbehandeltem Prostata-Carcinom. *Urologe [A]* 12:249-53, Sep 73 (Ger)
*ADENOCARCINOMA, drug therapy/
ADENOCARCINOMA, pathology/ ADULT/
ANIMAL EXPERIMENTS/ *BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, pathology/ *CARCINOMA, SCIRRHUS, chemically induced/
CARCINOMA, SCIRRHUS, pathology/
ENGLISH ABSTRACT/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/
HUMAN/ LYMPHATIC METASTASIS/ MALE/ MICE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, pathology
510. Bulteau V: The aetiology of bilateral recurrent laryngeal nerve paralysis. *Med J Aust* 2:776-7, 20 Oct 73
AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ RESPIRATORY TRACT INFECTIONS, complications/ THYROIDECTOMY, adverse effects/ TRACHEOTOMY/ *VOCAL CORD PARALYSIS, etiology/ VOCAL CORD PARALYSIS, surgery
511. Buňag RD, Eferakeya JE: Reduced cardiovascular responsiveness to hypothalamic stimulation during urethane and amobarbital anesthesia. *Pharmacology* 10:143-51, 1973
*AMOBARBITAL/ *ANESTHESIA/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ FEMALE/ HEART RATE/ *HEMODYNAMICS/ *HYPOTHALAMUS, physiology/ RATS/ TIME FACTORS/ *URETHANE
512. Bunin A Ia, Iakovlev AA: Vliianie gidrokortizona na oksislitel'nye protsessy v vodianistoi vlage i tsellarnom tele (eksperimental'noe issledovanie). *Vestn Oftalmol* 3:24-8, 1973 (Rus)
ANIMAL EXPERIMENTS/ *AQUEOUS HUMOR, drug effects/ *CILARY BODY, drug effects/
ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ OXIDATION-REDUCTION/
*OXYGEN CONSUMPTION, drug effects/
PARTIAL PRESSURE/ RABBITS
513. Burckhardt PM, Singer FR, Potts JT Jr: Parathyroid function in patients with Paget's disease treated with salmon calcitonin. *Clin Endocrinol (Oxf)* 2:15-22, Jan 73
AGED/ ANTIGENS/ *CALCITONIN, therapeutic use/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, diagnosis/ MALE/ MIDDLE AGE/ OSTEITIS DEFORMANS, drug therapy/
*OSTEITIS DEFORMANS, physiotherapy/
*PARATHYROID GLANDS, physiotherapy/
PARATHYROID HORMONE, secretion/
PHOSPHORUS, blood/ SALMONIDAE
514. Burger IH, Walters CL: The effect of processing on the nutritive value of flesh foods. *Proc Nutr Soc* 32:1-8, May 73 (55 ref.)
ANIMAL EXPERIMENTS/ CALCIUM, DIETARY/ COOKERY/ DIETARY FATS/
DIETARY PROTEINS/ *EGGS/ *FISH PRODUCTS/ FOOD PRESERVATION/
*FOOD-PROCESSING INDUSTRY/ FREEZE DRYING/ FREEZING/ HEAT/ IRON/ *MEAT/ MICROWAVES/ NICOTINIC ACID/
*NUTRITION/ REVIEW/ RIBOFLAVIN/
THIAMINE/ VITAMIN A/ VITAMIN D
515. Burger MM: Proceedings: Lectin monitored surface changes in transformed and mitotic normal cells. *Proc Natl Cancer Conf* 7:405-14, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CELL AGGREGATION/ *CELL MEMBRANE/ *CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/
MITOSIS/ NEOPLASMS, enzymology/ PEPTIDE HYDROLASES, metabolism/ *PLANT AGGLUTININS, pharmacodynamics/
RECEPTORS, DRUG
516. Burger R, Guthrie TH: Metastatic colonic carcinoma to epididymis. *Urology* 2:566-7, Nov 73
*ADENOCARCINOMA, pathology/
ADENOCARCINOMA, surgery/ *COLONIC NEOPLASMS, pathology/ COLONIC NEOPLASMS, surgery/ *EPIDIDYMIS, pathology/ HUMAN/ LIGATION/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/
SPERMATIC CORD, surgery/ *TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery/ TESTIS, surgery
517. Burke G: Effects of prostaglandin antagonists on the induction of cyclic 3',5'-adenosine monophosphate formation and thyroid hormone secretion in vitro. *Endocrinology* 91:91-6, Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/
*HYDRAZINES, pharmacodynamics/ IODINE RADIOISOTOPES/ MICE/ *PHLORETIN, pharmacodynamics/ *PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/
THYROTROPIN, antagonists & inhibitors/
*THYROTROPIN, pharmacodynamics

AUTHOR SECTION

518. Burman KD, Warkel RL, Wartofsky L: Hyperfunctioning thyroid nodules that become "cold". Med Ann DC 42:541-4, Nov 73
*ADENOMA, diagnosis/ ADENOMA, surgery/ ADULT/ FEMALE/ HUMAN/
*HYPERTHYROIDISM, diagnosis/ MIDDLE AGE/ *RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery
519. Burnell GM: Maternal reaction to the loss of multiple births. A case of septuplets. Arch Gen Psychiatry 30:183-4, Feb 74
*ADAPTATION, PSYCHOLOGICAL/ ADULT/ FEMALE/ FERTILITY, drug effects/ GRIEF/ HUMAN/ *INFANT MORTALITY/ INFANT, NEWBORN/ MALE/ MENOTROPINS, pharmacodynamics/ *PARENTS/ PREGNANCY/ *PREGNANCY, MULTIPLE/ PSYCHIATRY/ REFERRAL AND CONSULTATION/ *STRESS, PSYCHOLOGICAL
520. Burnell JM, Teubner E, Wergedal JE, et al: Bone crystal maturation in renal osteodystrophy in humans. J Clin Invest 53:52-8, Jan 74
BIOPSY/ *BONE AND BONES, analysis/ BONE AND BONES, pathology/ BONE DEVELOPMENT/ CALCIUM, analysis/ CARBONATES, analysis/ HUMAN/ HYDROXYPROLINE, analysis/ MAGNESIUM, analysis/ OSTEOMALACIA, pathology/ PHOSPHORUS, analysis/ *RENAL OSTEODYSTROPHY, pathology/ SODIUM, analysis
521. Burnett RD, Kirk DN: Some observations on the preparation of 2-hydroxy-steroid 4-en-3 ones. J Chem Soc [Perkin I] 17:1830-8, 1973
*ANDROSTENEDIONE, chem synthesis/ CIRCULAR DICHROISM/ *ESTRANES, chem synthesis/ HYDROXYSTERIODS, chem synthesis/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE
522. Burns RP, Beard ME, Welmar VL, et al: Modification of 1-tyrosine-induced keratopathy by adrenal corticosteroids. Invest Ophthalmol 13:39-45, Jan 74
ANIMAL EXPERIMENTS/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ *CORNEAL OPACITY, chemically induced/ CORNEAL OPACITY, prevention & control/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ DIETARY PROTEINS/ DISEASE MODELS, ANIMAL/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ INJECTIONS, INTRAMUSCULAR/ KERATITIS, chemically induced/ KERATITIS, prevention & control/ LIVER, drug effects/ OPHTHALMIC SOLUTIONS/ PHENOBARBITAL, therapeutic use/ *PHENOBARBITAL, therapeutic use/ PREDNISONE, administration & dosage/ RATS/ *TYROSINE/ TYROSINE, blood/ TYROSINE AMINOTRANSFERASE, biosynthesis
523. Burrell CJ, Cooper PD: N-terminal aspartate, glycine and serine in poliovirus capsid protein. J Gen Virol 21:443-51, Dec 73
AMINO ACID SEQUENCE/ *ASPARTIC ACID, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, THIN LAYER/ *GLYCINE, analysis/ HYDROCARBONS, IODINATED, metabolism/ IODINE RADIOISOTOPES/ METHODS/ *POLIOVIRUS, analysis/ POLIOVIRUS, isolation & purification/ *SERINE, analysis/ THIOCYANATES, metabolism/ *VIRAL PROTEINS, analysis
524. Burstein S, Levin E, Varanelli C: Prostaglandins and cannabis. II. Inhibition of biosynthesis by the naturally occurring cannabinoids. Biochem Pharmacol 22:2905-10, 15 Nov 73
ANIMAL EXPERIMENTS/ *CANNABIS, pharmacodynamics/ CARBON RADIOISOTOPES/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ FATTY ACIDS, UNSATURATED, metabolism/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ KINETICS/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ MEPERIDINE, pharmacodynamics/ MESCALINE, pharmacodynamics/ METHYL ETHERS, pharmacodynamics/ MICROSOMES, metabolism/ NAPHTHALENES, pharmacodynamics/ PROPIONATES, pharmacodynamics/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ SEMINAL VESICLES, cytology/ TERPENES, pharmacodynamics/ TETRAHYDROCANNABINOL, pharmacodynamics/ TRITIUM
525. Burton JL: Letter: Prolactin and depression. Lancet 1:28, 5 Jan 74
ANIMAL EXPERIMENTS/ *DEPRESSION, etiology/ DEPRESSION, metabolism/ FEMALE/ HUMAN/ MENSTRUATION/ PREGNANCY/ PROLACTIN, metabolism/ *PROLACTIN, physiology/ PUERPERIUM/ WATER-ELECTROLYTE BALANCE
526. Buze EG, Shubik VM, Bresler VM, et al: Patogeneza eksperimental'nogo autolimmunnogo aspermatogeneza. Tsitolgia 15:195-200, Feb 73 (Rus)
ADJUVANTS, IMMUNOLOGIC/ ANIMAL EXPERIMENTS/ *ANTIBODIES/ *ANTIGENS/ *AUTOIMMUNE DISEASES/ GUINEA PIGS/ MALE/ MICROSCOPY, FLUORESCENCE/ *ORCHITIS, immunology/ RATS/ STERILITY, MALE, immunology/ *TESTIS, immunology
527. Buznikov GA, Rakić L, Turpaev TM: O sverkhchuvstvitel'nosti rannikh émbriionov morskogo ezha Arbacla lixula k neirofarmakologicheskim preparatam. Zh Evol Biokhim Fiziol 8:478-88, Sep-Oct 72 (Rus)
ADIPHENINE, pharmacodynamics/ AMMONIUM COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BENACTYZINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ GANGLIONIC BLOCKADERS, pharmacodynamics/ *OVUM, drug effects/ *PARASYMPATHOLYTICS, pharmacodynamics/ PHENOTHIAZINES, pharmacodynamics/ PHENYLACETATES, pharmacodynamics/ PROPIONATES, pharmacodynamics/ *SEA URCHINS, embryology/ *SEROTONIN, antagonists & inhibitors/ THIAZOLES, pharmacodynamics/ TRYPTAMINES, pharmacodynamics
528. Bye P: Letter: Oral contraceptives and thromboembolism. Br Med J 4:354-5, 10 Nov 73
*CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, administration & dosage/ ESTROGENS, adverse effects/ ETHINYL ESTRADIOL/ FEMALE/ HUMAN/ MESTRANOL, adverse effects/ *THROMBOEMBOLISM, chemically induced
529. Byers JM 3d, Sabanayagam P, Baker RR, et al: Pathologic changes in baboon lung allografts. Comparison of two immunosuppression regimens. Ann Surg 178:754-60, Dec 73
ANIMAL EXPERIMENTS/ *AZATHIOPRINE, therapeutic use/ BABOONS/ BRONCHOPNEUMONIA, etiology/ COMPARATIVE STUDY/ *GRAFT REJECTION, drug effects/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ *LUNG, pathology/ LUNG, transplantation/ MALE/ *METHYLPREDNISOLONE, therapeutic use/ MITE INFESTATIONS, pathology/ MITE INFESTATIONS, veterinary/ MONKEY DISEASES, pathology/ MONKEYS/ PNEUMONIA, etiology/ POSTOPERATIVE COMPLICATIONS/ TRANSPLANTATION, HOMOLOGOUS
530. Byers SO, Friedman M: Neurogenic hypercholesterolemia. 3. Cholesterol synthesis, absorption, and clearance. Am J Physiol 225:1322-8, Dec 73
ACETATES, metabolism/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ CHOLESTEROL, biosynthesis/ CHOLESTEROL,

AUTHOR SECTION

- blood/ *CHOLESTEROL, metabolism/
CHOLESTEROL, pharmacodynamics/
*HYPERCHOLESTEREMIA, metabolism/
HYPOTHALAMUS, physiology/ INTESTINAL
ABSORPTION/ INTESTINES, metabolism/
LIPOPROTEINS, analysis/ LIVER, metabolism/
MALE/ RATS/ TIME FACTORS/ TRITIUM
531. Bykova GF: Funktsii simpatiko-adrenalovoi sistemy u
plodov i novorozhdennykh v pervyi den' zhizni.
Vopr Okhr Materin Det 18:28-31, Jan 73 (Rus)
*ADRENAL GLANDS, physiology/ ASPHYXIA
NEONATORUM, physiopathology/
CATECHOLAMINES, analysis/ ENGLISH
ABSTRACT/ FEMALE/ *FETUS, physiology/
HUMAN/ *INFANT, NEWBORN/
PREGNANCY/ *SYMPATHETIC NERVOUS
SYSTEM, physiology/ TIME FACTORS
- C
532. Caddell JL, Olson RE: An evaluation of the electrolyte
status of malnourished Thai children.
J Pediatr 83:124-8, Jul 73
ADMINISTRATION, ORAL/ BODY WEIGHT/
CALCIUM, blood/ *CALCIUM, metabolism/
CALCIUM, urine/ *CHILD NUTRITION/
CHILD, PRESCHOOL/ CREATININE, urine/
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*POTASSIUM DEFICIENCY, occurrence/
POTASSIUM DEFICIENCY, therapy/ SODIUM,
blood/ *SODIUM, metabolism/ SODIUM, urine/
THAILAND/ *WATER-ELECTROLYTE
BALANCE
533. Cadel Z, Obrąpalska E, Smolak K: Chromatyna płciowa
w nabłonku jamy ustnej u chorych na raka szyjki
macicy i raka sutki (doniesienie wstępne).
Nowotwory 23:241-5, Jul-Sep 73 (Pol)
*BREAST NEOPLASMS, familial & genetic/
*CERVIX NEOPLASMS, familial & genetic/
ENGLISH ABSTRACT/ FEMALE/
HISTOCYTOCHEMISTRY/ HUMAN/ MOUTH
MUCOSA, cytology/ *SEX CHROMATIN,
analysis
534. Calla HL, Cros GS, Jolu EJ, et al: Comparison between
rat and rabbit anticyclic AMP antibodies--specificity
toward acyl derivatives of cyclic AMP.
Anal Biochem 56:383-93, Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE/ ANIMAL EXPERIMENTS/
*ANTIBODY SPECIFICITY/
ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/
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IMMUNOELECTROPHORESIS/ IODINE
RADIOISOTOPES/ METHYLTYROSINES/
PROTEIN BINDING/ RABBITS, immunology/
RATS, immunology/ SUCCINATES
535. Calla HL, Racine-Welsbuch MS, Delaage MA:
Adenosine 3',5' cyclic monophosphate assay at 10-15
mole level. Anal Biochem 56:394-407, Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ADENOSINE
MONOPHOSPHATE, analysis/ ADENOSINE
TRIPHOSPHATE/ ANHYDRIDES, analysis/
ANIMAL EXPERIMENTS/ ANTIBODY
SPECIFICITY/ CARBON RADIOISOTOPES/
CRABS/ DIALYSIS/ ELECTROPHORESIS/
ESCHERICHIA COLI, analysis/ GEL
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PANCREAS, analysis/ PHOSPHODIESTERASES,
analysis/ PITUITARY GLAND, analysis/
RABBITS, immunology/
RADIOIMMUNOASSAY/ RATS/ SOLVENTS/
SUCCINATES
536. Caldr FI: Problems of interpretation of laboratory
findings in the old. Br Med J 4:348-51, 10 Nov 73
AGED/ AGING/ ANEMIA, HYPOCHROMIC,
diagnosis/ BLOOD SEDIMENTATION/ BLOOD
SUGAR/ CALCIUM, blood/ CHOLESTEROL,
blood/ CREATININE, blood/ DIABETES
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HUMAN/ IODINE, blood/ IRON, blood/
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OSTEOMALACIA, diagnosis/ PHOSPHATASES,
blood/ PROTEIN BINDING/ THYROID
DISEASES, diagnosis/ UREA, blood/ URIC
ACID, blood/ VITAMIN B 12, blood
537. Calandra S, Montaguti M: Effect of prostaglandin E1 on
cholesterol biosynthesis in rat liver.
Experientia 29:1361-2, 15 Nov 73
ACETATES, metabolism/ ADENOSINE CYCLIC
3',5' MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CARBON DIOXIDE,
biosynthesis/ CARBON RADIOISOTOPES/
*CHOLESTEROL, biosynthesis/ DEPRESSION,
CHEMICAL/ FATTY ACIDS, biosynthesis/ IN
VITRO/ KINETICS/ *LIVER, metabolism/
MALE/ *PROSTAGLANDINS,
pharmacodynamics/ RATS
538. Calder EA, McLeman D, Irvine WJ: Lymphocyte
cytotoxicity induced by pre-incubation with serum
from patients with Hashimoto thyroiditis.
Clin Exp Immunol 15:467-70, Nov 73
CHICKENS, immunology/ CHROMIUM
RADIOISOTOPES/ *CYTOTOXICITY TESTS,
IMMUNOLOGIC/ ERYTHROCYTES,
immunology/ HUMAN/ IMMUNITY,
CELLULAR/ *LYMPHOCYTES, immunology/
THYROGLOBULIN/ *THYROIDITIS,
LYMPHOMATOUS, immunology
539. Calvert GD, Kilpatrick D, McQueen EG, et al:
Hereditary angioneurotic oedema.
NZ Med J 78:337-42, 24 Oct 73
ADULT/ AMINOCAPROIC ACID, therapeutic
use/ ANGIONEUROTIC EDEMA, diagnosis/
ANGIONEUROTIC EDEMA, drug therapy/
ANGIONEUROTIC EDEMA, enzymology/
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*ANGIONEUROTIC EDEMA,
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ACIDS, therapeutic use/ ESTERASES, blood/
FEMALE/ GENES, DOMINANT/ HUMAN/
MALE/ MIDDLE AGE/ PEDIGREE/ STRESS,
PSYCHOLOGICAL/ TESTOSTERONE,
therapeutic use/ TRACHEOTOMY
540. Cameron EH, Scarlsbrick JJ: Radioimmunoassay of
plasma progesterone. Clin Chem 19:1403-8, Dec 73
BINDING SITES, ANTIBODY/ BLOOD
CHEMICAL ANALYSIS, standards/
COMPARATIVE STUDY/ CROSS REACTIONS/
EVALUATION STUDIES/ FEMALE/ HUMAN/
IMMUNE SERUMS, standards/ METHODS/
OVULATION/ PREGNANCY/ PROGESTERONE,
analysis/ *PROGESTERONE, blood/
RADIOIMMUNOASSAY/ STERILITY, FEMALE,
diagnosis/ STEROIDS/ TRITIUM
541. Cameron SJ, Cooper EJ, Crompton GK, et al:
Substitution of beclomethasone aerosol for oral
prednisolone in the treatment of chronic asthma.
Br Med J 4:205-7, 27 Oct 73
ADMINISTRATION, ORAL/ AEROSOLS/
ALBUTEROL, administration & dosage/
ALBUTEROL, therapeutic use/ *ASTHMA,
drug therapy/ BECLOMETHASONE,
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*GLUCOCORTICOIDS, TOPICAL, administration
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*METHYLPREDNISOLONE, administration &
dosage/ PITUITARY-ADRENAL FUNCTION
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administration & dosage

AUTHOR SECTION

542. Cameroni R, Gamberini G, Bernabei MT, et al: Polimorfismo del progesterone. I. Preparazione e caratterizzazione delle forme polimorfe. Farmaco [Prat] 28:821-35, Dec 73 (Ita)
CALORIMETRY/ ENGLISH ABSTRACT/
*PROGESTERONE, chem synthesis/
SPECTROPHOTOMETRY, INFRARED/
STRUCTURE-ACTIVITY RELATIONSHIP
543. Cameroni R, Gamberini G, Bernabei MT: Polimorfismo del progesterone. II. Applicazione della calorimetria differenziale allo studio delle forme cristalline. Farmaco [Prat] 28:836-41, Dec 73 (Ita)
CALORIMETRY/ CRYSTALLIZATION/
ENGLISH ABSTRACT/ *PROGESTERONE,
analysis/ SPECTROPHOTOMETRY, INFRARED/
TEMPERATURE/ THERMODYNAMICS
544. Campbell CD, Carey LC: Shock. Differential diagnosis and immediate treatment. Postgrad Med 55:85-95, Jan 74 (38 ref.)
AGED/ ANAPHYLAXIS, diagnosis/
ANTIBIOTICS, therapeutic use/ BLOOD
PRESSURE DETERMINATION/ CENTRAL
VENOUS PRESSURE/ DIAGNOSIS,
DIFFERENTIAL/ ENDOCRINE DISEASES,
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physiopathology/ SHOCK, ENDOTOXIC,
diagnosis/ SHOCK, ENDOTOXIC,
physiopathology/ SHOCK, HEMORRHAGIC,
diagnosis
545. Campbell DJ, Skinner SL, Day AJ: Cellophane perinephritis hypertension and its reversal in rabbits. Effect on plasma renin, renin substrate, and renal mass. Circ Res 33:105-12, Jul 73
ANGIOTENSIN II, blood/ *ANGIOTENSIN II,
secretion/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ BLOOD PRESSURE
DETERMINATION/ *CELLOPHANE/ GEL
FILTRATION/ HYPERTENSION, RENAL,
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*KIDNEY, physiopathology/ KIDNEY,
secretion/ NATRIURESIS/ NEPHRECTOMY/
*PERINEPHRITIS, complications/ RABBITS/
RENIN, blood/ *RENIN, secretion/ UREA,
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546. Campbell JS, Lou P, Ferguson JP, et al: Pseudomyxoma peritonei et ovarii with occult neoplasms of appendix. Obstet Gynecol 42:897-902, Dec 73
ADULT/ AGED/ *APPENDICEAL
NEOPLASMS, complications/ APPENDICEAL
NEOPLASMS, occurrence/ APPENDIX,
pathology/ *CYSTADENOMA, MUCINOUS,
complications/ CYSTADENOMA, MUCINOUS,
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pathology/ FEMALE/ HUMAN/ MALE/
MIDDLE AGE/ *OVARIAN NEOPLASMS,
complications/ OVARIAN NEOPLASMS,
occurrence/ OVARIAN NEOPLASMS, pathology
547. Campos Somellera J, González González JL, Torres Valgán JJ: Deficiencia hipofisaria postparto. Ginecol Obstet Mex 34:281-6, Sep 73 (Spa)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
HEMORRHAGE, POSTPARTUM, complications/
HUMAN/ *HYPOPHYSITIS, etiology/
MIDDLE AGE/ *PUERPERAL DISORDERS/
SHEEHAN'S SYNDROME, etiology
548. Canales ES, Ricaud L, Zárate A: Tratamiento de la esterilidad anovulatoria. V. Resultados de la resección cuneiforme de ovarios en pacientes con síndrome de ovarios poliquísticos. Ginecol Obstet Mex 34:467-74, Nov 73 (Spa)
ADOLESCENCE/ ADULT/ ENGLISH
ABSTRACT/ EVALUATION STUDIES/
FEMALE/ HUMAN/ OVULATION/
PREGNANCY/ *STEIN-LEVENTHAL
SYNDROME, surgery/ *STERILITY, FEMALE,
surgery
549. Canales ES, Zárate A, González A, et al: Occurrence of spontaneous second pregnancy after delivery of conceptions resulting from ovulation induced by various therapeutic modalities. Int J Fertil 18:182-4, 1973
AMENORRHEA, drug therapy/ CLOMIPHENE,
therapeutic use/ FEMALE/ HUMAN/
LACTATION DISORDERS, drug therapy/
MENOTROPINS, therapeutic use/ OVARY,
surgery/ *OVULATION/ OVULATION, drug
effects/ *PREGNANCY/ STEIN-LEVENTHAL
SYNDROME, drug therapy/
STEIN-LEVENTHAL SYNDROME, surgery
550. Cañas FM: Bone sodium exchange. Effect of rachitism and vitamin D3 treatment on chicks. Calcif Tissue Res 13:93-7, 1973
ANIMAL EXPERIMENTS/ BONE AND BONES,
analysis/ *BONE AND BONES, metabolism/
CHICKENS/ *CHOLECALCIFEROL, therapeutic
use/ RICKETS, drug therapy/ *RICKETS,
metabolism/ *SODIUM, metabolism/ WATER,
analysis
551. Canellos GP, De Vita VT, Scheln P, et al: Proceedings: The chronic leukemias: current therapeutic concepts. Proc Natl Cancer Conf 7:351-7, 1973
BROMINE, therapeutic use/ BUSULFAN,
therapeutic use/ CELL DIVISION/
CHLORAMBUCIL, therapeutic use/
CHROMOSOME ABERRATIONS/
CYCLOPHOSPHAMIDE, therapeutic use/
HUMAN/ HYDROXYUREA, therapeutic use/
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*LEUKEMIA, LYMPHOCYTIC, therapy/
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MYELOCYTIC, therapy/ LYMPHOCYTE
TRANSFORMATION/ MANNITOL, therapeutic
use/ PREDNISONE, therapeutic use/
REMISSION/ SPLEEN, radiation effects/
SPLENECTOMY/ VINCRISTINE, therapeutic
use
552. Caniggia A, Gennari C: Effect of 25-hydroxycholecalciferol (25-HCC) on intestinal absorption of ⁴⁷Ca in four cases of iatrogenic Cushing's syndrome. Helv Med Acta 37:221-5, Oct 73
AGED/ ALKALINE PHOSPHATASE, blood/
CALCIUM, blood/ *CALCIUM, metabolism/
CALCIUM, urine/ CALCIUM RADIOISOTOPES/
CORTICOTROPIN, adverse effects/ CUSHING'S
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*HYDROXYCHOLECALCIFEROL, metabolism/
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MALABSORPTION SYNDROMES, blood/
MALABSORPTION SYNDROMES,
drug therapy/ MALABSORPTION
SYNDROMES, urine/ MIDDLE AGE
553. Cannon PJ, Hassar M, Case DB, et al: The relationship of hypertension and renal failure in scleroderma (progressive systemic sclerosis) to structural and functional abnormalities of the renal cortical circulation. Medicine (Baltimore) 53:1-46, Jan 74
ADOLESCENCE/ ADULT/ ANGIOGRAPHY/
AUTOPSY/ BLOOD VESSELS, pathology/
FEMALE/ HUMAN/ *HYPERTENSION,
etiology/ HYPERTENSION, MALIGNANT,
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*SCLERODERMA, SYSTEMIC, complications/
SCLERODERMA, SYSTEMIC, mortality/
SCLERODERMA, SYSTEMIC, pathology/

AUTHOR SECTION

- SCLERODERMA, SYSTEMIC, physiopathology/
XENON, diagnostic use
554. Cantarutti F, Petrusa I: Abnorme sviluppo intrauterino. *Minerva Pediatr* 25:1550-62, 20 Oct 73 (Ita)
*FETAL DISEASES/ FETAL DISEASES, etiology/ FETOMATERNAL TRANSFUSION, complications/ FETUS, growth & development/ GIGANTISM, etiology/ *GROWTH DISORDERS, etiology/ HUMAN/ LUNG DISEASES, complications/ METABOLIC DISEASES, complications/ PLACENTA DISORDERS, complications
555. Capelli JP, Housel EL, Zimskind PD, et al: Renovascular hypertension. Prospective diagnostic yield in a random access population. *Urology* 1:324-33, Apr 73
ADULT/ ANGIOGRAPHY/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ FEMALE/ HUMAN/ HYPERTENSION, diagnosis/ *HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, occurrence/ HYPERTENSION, RENAL, surgery/ IODINE ISOTOPES, DIAGNOSTIC/ KIDNEY, physiopathology/ KIDNEY FUNCTION TESTS/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ PENNSYLVANIA/ POPULATION SURVEILLANCE/ PROSPECTIVE STUDIES/ RADIOISOTOPE RENOGRAPHY/ REGIONAL BLOOD FLOW/ RENAL ARTERY, radiography/ RENAL ARTERY, surgery/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, diagnosis/ RENAL ARTERY OBSTRUCTION, occurrence/ RENAL ARTERY OBSTRUCTION, radiography/ RENIN, biosynthesis/ RENIN, blood/ UROGRAPHY
556. Carafoli E: The transport of calcium by mitochondria. Problems and perspectives. *Biochimie* 55:755-62, 1973
BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CENTRIFUGATION/ DIALYSIS/ DIPTERA/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENERGY METABOLISM/ GLYCEROLPHOSPHATE DEHYDROGENASE/ *GLYCOPROTEINS, isolation & purification/ MEMBRANES, metabolism/ METHODS/ *MITOCHONDRIA, LIVER, metabolism/ *MITOCHONDRIA, MUSCLE, metabolism/ MODELS, BIOLOGICAL/ OSMOTIC PRESSURE/ OXIDATION-REDUCTION/ RATS/ ULTRASONICS
557. Cardellhae PT, Nair KP: Inhibition by castration of aflatoxin-induced hepatoma in carbon tetrachloride-treated rats. *Toxicol Appl Pharmacol* 26:393-7, Nov 73
*AFLATOXIN/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *CARBON TETRACHLORIDE POISONING, complications/ CARBON TETRACHLORIDE POISONING, pathology/ CASTRATION/ FEMALE/ GROWTH, drug effects/ *HEPATOMA, chemically induced/ HEPATOMA, pathology/ LIVER, pathology/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, pathology/ MALE/ *OVARY, physiology/ RATS/ RATS, INBRED STRAINS/ *TESTIS, physiology
558. Cardinali DP, Nagle CA, Rosner JM: Uptake and effects of melatonin on the synthesis of proteins by the rat cerebral cortex. *Life Sci* 13:823-33, 1 Oct 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ CHROMATOGRAPHY, THIN LAYER/ IN VITRO/ KINETICS/ LEUCINE, metabolism/ MALE/ *MELATONIN, metabolism/ MELATONIN, pharmacodynamics/ *NERVE TISSUE PROTEINS, biosynthesis/ RATS/ TIME FACTORS/ TRITIUM
559. Cardinali DP, Nagle CA, Denari JH, et al: Lack of effects of light on the rat pineal in organ culture. *Gen Comp Endocrinol* 21:573-7, Dec 73
ANIMAL EXPERIMENTS/ CYTIDINE, metabolism/ *LIGHT/ MALE/ MELATONIN, biosynthesis/ NOREPINEPHRINE, pharmacodynamics/ ORGAN CULTURE/ *PINEAL BODY, metabolism/ RATS/ RNA, biosynthesis/ SEROTONIN, metabolism/ STIMULATION, CHEMICAL
560. Cardinali G, Ballatore P: La chemioterapia del morbo di Hodgkin. *Recent Prog Med (Roma)* 55:370-94, Oct 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTINEOPLASTIC AGENTS, administration & dosage/ *ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ HODGKIN'S DISEASE, surgery/ HUMAN/ METHODS/ PROCARBAZINE, therapeutic use/ SPLENECTOMY/ SPLENECTOMY, adverse effects
561. Carlborg L: Effect of norhydroxyprogesterone caproate on cervical sperm penetration and secretion of ovarian steroids in the human female. *Ups J Med Sci* 78:189-90, Jul 73
ADULT/ *CERVIX MUCUS, drug effects/ DEPRESSION, CHEMICAL/ ESTROGENS, urine/ FEMALE/ *GESTONORONE CAPROATE, pharmacodynamics/ HUMAN/ OVARY, drug effects/ OVULATION, drug effects/ PREGNANEDIOL, urine/ PROGESTERONE, blood/ SPERMATOZOA, drug effects/ *STEROIDS, secretion/ TIME FACTORS
562. Carlier J: Le traitement des complications cardiaques de l'hypertyroïdisme. *Rev Med Liege* 28:601-5, 1 Sep 73 (Fre)
ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ARRHYTHMIA, drug therapy/ DIGITALIS GLYCOSIDES, therapeutic use/ GUANETHIDINE, therapeutic use/ *HEART DISEASES, drug therapy/ HEART DISEASES, etiology/ HEART FAILURE, CONGESTIVE, drug therapy/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ METHYLDOPA, therapeutic use/ RESERPINE, therapeutic use/ SYMPATHOLYTICS, therapeutic use
563. Carlson GL, Hall IH, Abernethy GS, et al: Cycloalkanes. 3. Structure-activity relationships of hypcholesterolemic cyclooctanone derivatives. *J Med Chem* 17:154-7, Feb 74
ANIMAL EXPERIMENTS/ *ANTICHOLESTEREMIC AGENTS, chem synthesis/ ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ BENZYL COMPOUNDS, chem synthesis/ BENZYL COMPOUNDS, pharmacodynamics/ BODY WEIGHT, drug effects/ CASTRATION/ CHOLESTEROL, blood/ *CYCLOPARAFFINS, chem synthesis/ CYCLOPARAFFINS, pharmacodynamics/ EPIDIDYMS, drug effects/ ESTROGENS, pharmacodynamics/ FEMALE/ LIVER, drug effects/ MALE/ ORGAN WEIGHT/ RATS/ SEMINAL VESICLES, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTIS, drug effects/ TIME FACTORS/ UTERUS, drug effects/ VAS DEFERENS, drug effects
564. Carlson LA, Ericsson M, Erikson U: Prostaglandin E1 (PGE1) in peripheral arteriographies. *Acta Radiol [Diagn] (Stockh)* 14:583-7, Sep 73
ADULT/ ANGIOGRAPHY/ BLOOD PRESSURE, drug effects/ BRADYKININ, pharmacodynamics/ COMPARATIVE STUDY/ CONTRAST MEDIA/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART RATE, drug effects/ HUMAN/ INJECTIONS, INTRA-ARTERIAL/ *INTERMITTENT CLAUDICATION, radiography/ *LEG, blood supply/ LEG, radiography/ MALE/ MIDDLE AGE/ PREMEDICATION/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS,

AUTHOR SECTION

- adverse effects/ *PROSTAGLANDINS, diagnostic use/ REGIONAL BLOOD FLOW/ STIMULATION, CHEMICAL/ TIME FACTORS/ *VASCULAR RESISTANCE, drug effects
565. Carlson LD, Roohk HV, Wilson O: Thyroid function studies in normal and cold-exposed rabbits using 125I. *Acta Physiol Scand* 89:59-73, Nov 73
ANIMAL EXPERIMENTS/ *COLD/ FEMALE/ HALF-LIFE/ IODINE RADIOISOTOPES/ MALE/ RABBITS/ TEMPERATURE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, pharmacodynamics/ *THYROXINE, pharmacodynamics
566. Carnevale A, López Hernández A, De los Cobos L: Síndrome de Pterigium familiar con probable transmisión dominante ligada al cromosoma. *Rev Invest Clin* 25:237-44, Jul-Sep 73 (Spa)
CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GENES, DOMINANT/ HUMAN/ PEDIGREE/ PTERYGIUM, diagnosis/ *PTERYGIUM, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES, complications
567. Carney DM, Zukoski CF, Ogden DA: Massive azathioprine overdose. Case report and review of the literature. *Am J Med* 58:133-8, Jan 74
ADULT/ ASPARTATE AMINOTRANSFERASE, blood/ *AZATHIOPRINE, poisoning/ AZATHIOPRINE, therapeutic use/ BILIRUBIN, blood/ CASE REPORT/ CREATININE, blood/ FOLLOW-UP STUDIES/ HUMAN/ IMMUNOSUPPRESSION/ KIDNEY, transplantation/ LEUKOCYTE COUNT/ MALE/ PREDNISONE, therapeutic use/ TIME FACTORS/ TRANSPLANTATION, HOMOLOGOUS
568. Carnmalm B, Jacupovic E, Johansson L, et al: Antidepressant agents. 1. Chemistry and pharmacology of amino-substituted spiro(5H-dibenzo(a,d)cycloheptene-5,1'-cycloalkanes). *J Med Chem* 17:65-72, Jan 74
ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, chem synthesis/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ CYCLOHEXYLAMINE, chem synthesis/ CYCLOHEXYLAMINE, pharmacodynamics/ CYCLOPENTANE, chem synthesis/ CYCLOPENTANE, pharmacodynamics/ *DIBENZOCYCLOHEPTENES, chem synthesis/ DIBENZOCYCLOHEPTENES, pharmacodynamics/ DOPA, pharmacodynamics/ DRUG SYNERGISM/ HYDROXYTRYPTOPHAN, pharmacodynamics/ IN VITRO/ MALE/ MESENCEPHALON, metabolism/ MICE/ MOTOR ACTIVITY, drug effects/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ PUPIL, drug effects/ SEROTONIN, metabolism/ SPIRO COMPOUNDS, chem synthesis/ SPIRO COMPOUNDS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP
569. Carpenter NJ: Thymidylate synthetase in mutants of *Drosophila melanogaster*. *Genetics* 75:113-22, Sep 73
AGING/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ CROSSES, GENETIC/ *DROSOPHILA MELANOGASTER, enzymology/ DROSOPHILA MELANOGASTER, growth & development/ FEMALE/ LARVA/ MALPIGHIAN TUBULES, enzymology/ METAMORPHOSIS, BIOLOGICAL/ *METHYLTRANSFERASES, metabolism/ MUTATION/ ORGAN SPECIFICITY/ OVARY, enzymology/ OVARY, growth & development/ OVUM, enzymology/ PUPA/ SPECIES SPECIFICITY/ STERILITY, FEMALE, enzymology/ THYMIDYLATE SYNTHETASE, metabolism
570. Carroll JD, Grant EC: Die Wirkung von oralen Antikonceptiva auf Blutgefäße und Migräne. *Klin Monatsbl Augenheilkd* 163:212-5, Aug 73 (Ger)
*BLOOD VESSELS, drug effects/ CONTRACEPTIVES, ORAL, adverse effects/
- *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENDOMETRIUM, blood supply/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *MIGRAINE, chemically induced/ RETINAL VESSELS, drug effects
571. Carsten ME: Sarcoplasmic reticulum from pregnant bovine uterus; calcium binding. *Gynecol Invest* 4:84-94, 1973
ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ BISHYDROXYCOUMARIN/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ CATTLE/ COMPARATIVE STUDY/ FEMALE/ GLYCOLATES, pharmacodynamics/ MERCURY, pharmacodynamics/ MICROSCOPY, ELECTRON/ MUSCLE CONTRACTION/ ORGANOMETALLIC COMPOUNDS, pharmacodynamics/ PREGNANCY/ PROTEIN BINDING, drug effects/ *SARCOPLASMIC RETICULUM, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SULFHYDRYL REAGENTS, pharmacodynamics/ UTERUS, cytology/ *UTERUS, metabolism
572. Carsten ME: Sarcoplasmic reticulum from pregnant bovine uterus; prostaglandins and calcium. *Gynecol Invest* 4:95-105, 1973
ACETIC ACIDS, pharmacodynamics/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ CATTLE/ CHELATING AGENTS, pharmacodynamics/ FEMALE/ GLYCOLS, pharmacodynamics/ LABOR/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, metabolism/ PREGNANCY/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROTEIN BINDING, drug effects/ *SARCOPLASMIC RETICULUM, metabolism/ *UTERUS, metabolism
573. Carstensen M, Lechtwelbb JP, Schröder H: Zellpotentiale und Natrium-Kalliumverteilung in der Meerschweinchenplacenta. *Arch Gynaekol* 215:305-13, 1973 (Ger)
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ ELECTROPHYSIOLOGY/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ IN VITRO/ *MEMBRANE POTENTIALS/ PLACENTA, cytology/ *PLACENTA, metabolism/ *POTASSIUM, metabolism/ PREGNANCY/ *SODIUM, metabolism/ TROPHOBLAST
574. Carter DE, Goldman JM, Bressler R, et al: Effect of oral contraceptives on drug metabolism. *Clin Pharmacol Ther* 15:22-31, Jan 74
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ *ANTIPYRINE, blood/ BODY WEIGHT, drug effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CYTOCHROME P-450, metabolism/ DEALKYLATION/ DRUG COMBINATIONS/ FEMALE/ HALF-LIFE/ HUMAN/ LIVER, drug effects/ LIVER, enzymology/ *MESTRANOL, pharmacodynamics/ MICROSOMES, LIVER, analysis/ MORPHINANS/ *NORETHYNODREL, pharmacodynamics/ ORGAN WEIGHT/ OXIDOREDUCTASES, N-DEMETHYLATING, metabolism/ *PHENYLBUTAZONE, blood/ PROTEINS, analysis/ RATS/ TIME FACTORS
575. Cartwright A, Walte M: General practitioners and contraception in 1970-71. *J R Coll Gen Pract* 22:Suppl 2:1-31, Sep 72
*CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ FEMALE/ *GENERAL PRACTICE/ GREAT BRITAIN/ HUMAN/ MALE/ PHYSICIAN-PATIENT RELATIONS/ QUESTIONNAIRES/ RELIGION/ STERILIZATION, SEXUAL
576. Carty A, Stanley P: Bilateral adrenal abscesses in a neonate. *Pediatr Radiol* 1:83-4, Mar 73

AUTHOR SECTION

- *ABSCISS, etiology/ ABSCISS, radiography/
ADRENAL GLAND DISEASES, diagnosis/
*ADRENAL GLAND DISEASES, etiology/
ADRENAL GLAND DISEASES, radiography/
ADRENAL GLANDS, blood supply/
DIAGNOSIS, DIFFERENTIAL/ FEMALE/
HEMATOMA, diagnosis/ HEMATOMA,
radiography/ HEMORRHAGE, complications/
HUMAN/ INFANT, NEWBORN/ *INFANT,
NEWBORN, DISEASES/ KIDNEY, radiography
577. Casado Pérez S, Gutiérrez Millet V, Hernando Avendaño L: Aplicación del radioinmunoanálisis de angiotensina I a la determinación de actividad de renina plasmática en humanos. Rev Clin Esp 131:195-204, 15 Nov 73 (Spa)
ADMINISTRATION, ORAL/ ADULT/
*ANGIOTENSIN, analysis/ ANGIOTENSIN,
blood/ ENGLISH ABSTRACT/ FEMALE/
FUROSEMIDE, administration & dosage/
HEMODIALYSIS/ HUMAN/ KIDNEY,
secretion/ MALE/ METHODS/
*RADIOIMMUNOASSAY/ *RENIN, blood/
STIMULATION, CHEMICAL
578. Casey AE, Downey EL, Copeland H, et al: Paroxysmal tachycardia, atrial fibrillation, congestive heart failure, protein-bound iodine and tri-iodothyronine. Ala J Med Sci 10:278-80, Jul 73
*AURICULAR FIBRILLATION, blood/ *BLOOD
PROTEINS, analysis/ HUMAN/ *IODINE,
blood/ PROTEIN BINDING/ *TACHYCARDIA,
PAROXYSMAL, blood/ *TRI-iodothyronine,
blood
579. Cassinos C, Sklavunu-Zurukzoglu S, Catliu D, et al: The frequency of tonsillectomy and appendectomy in cancer patients. Cancer 32:1374-9, Dec 73
ADOLESCENCE/ ADULT/ AGED/
*APPENDECTOMY, adverse effects/ BREAST
NEOPLASMS, occurrence/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ HUMAN/ INFANT/
MALE/ MIDDLE AGE/ *NEOPLASMS,
occurrence/ OVARIAN NEOPLASMS,
occurrence/ *TONSILLECTOMY, adverse
effects
580. Castel Y, Nouaille Y, Thèau D: Une erreur à ne pas commettre: l'exérèse d'une thyroïde ectopique. Cah Med 14:453-5, 15 Jun 73 (Fre)
AGE FACTORS/ CHILD/ FEMALE/ HUMAN/
THYROID DISEASES, diagnosis/ *THYROID
GLAND, abnormalities/ *THYROIDECTOMY,
adverse effects
581. Castelazo-Ayala L: Sensibilidad sexual y cirugía ginecológica. Gac Med Mex 108:362-71, Nov 73 (Spa)
ADULT/ CASTRATION/ FEMALE/
*GYNECOLOGIC DISEASES, surgery/ HUMAN/
HYSTERECTOMY/ MASTECTOMY/ OVARY,
surgery/ *SEX BEHAVIOR/ STERILIZATION,
TUBAL
582. Castell WA, Ramirez PC, Nasjlet CE: Linear growth study of the pharyngeal cavity. J Dent Res 52:1245-8, Nov-Dec 73
ADOLESCENCE/ CEPHALOMETRY/ CHILD/
FEMALE/ HUMAN/ LARYNX, growth &
development/ MALE/ MOUTH, growth &
development/ NOSE, growth & development/
*PHARYNX, growth & development/
PUBERTY/ SEX FACTORS
583. Castells S, Lu C, Baker RK, et al: Effects of synthetic salmon calcitonin in osteogenesis imperfecta. Curr Ther Res 16:1-14, Jan 74
ADOLESCENCE/ BONE RESORPTION, drug
effects/ *CALCITONIN, therapeutic use/
CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ CHILD/ CHILD,
PRESCHOOL/ CLINICAL RESEARCH/ DIET/
FEMALE/ HUMAN/ HYDROXYPROLINE,
urine/ MALE/ OSTEOGENESIS IMPERFECTA,
blood/ *OSTEOGENESIS IMPERFECTA, drug
therapy/ PHOSPHORUS, metabolism/
SALMONIDAE/ TIME FACTORS
584. Castor CW: Connective tissue activation. VI. The effects of cyclic nucleotides on human synovial cells in vitro. J Lab Clin Med 83:47-55, Jan 74
- ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
MONOPHOSPHATE, pharmacodynamics/
BUTYRATES/ CELLS, CULTURED/
CYCLOHEXIMIDE, pharmacodynamics/
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CYCLIC AMP, pharmacodynamics/ DRUG
SYNERGISM/ FIBROBLASTS, drug effects/
FIBROBLASTS, metabolism/ GLUCOSE,
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CYCLIC 3',5' MONOPHOSPHATE,
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*NUCLEOTIDES, CYCLIC, pharmacodynamics/
PEPTIDES, pharmacodynamics/ STIMULATION,
CHEMICAL/ SYNOVIAL MEMBRANE,
cytology/ *SYNOVIAL MEMBRANE, drug
effects/ SYNOVIAL MEMBRANE, metabolism/
THEOPHYLLINE, pharmacodynamics
585. Castrén O: Ennenalkaisen synnytyksen ehkäiseminen. Duodecim 89:1275-9, 1973 (Fin)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
therapeutic use/ ADRENERGIC ALPHA
RECEPTOR AGONISTS, therapeutic use/
ALCOHOL, ETHYL, therapeutic use/
FEMALE/ HUMAN/ *LABOR, PREMATURITY,
prevention & control/ PREGNANCY
586. Castro A, Bartos D, Jelen B, et al: A radioimmunoassay for deoxycorticosterone in human peripheral plasma using sephadex LH-20 chromatography. Steroids 22:851-87, Dec 73
AMMONIUM SULFATE/ CATTLE/
CHROMATOGRAPHY/
*DESOXYCORTICOSTERONE, blood/ GAMMA
GLOBULIN/ GELATIN/ HUMAN/ METHODS/
OXIMES, chemical synthesis/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ SOLVENTS/ TRITIUM
587. Castro A, Grettie DP, Bartos F, et al: LSD radioimmunoassay. Res Commun Chem Pathol Pharmacol 6:879-86, Nov 73
ANIMAL EXPERIMENTS/ ANTIBODY
SPECIFICITY/ CATTLE/ CROSS REACTIONS/
FREUND'S ADJUVANT/ HUMAN/ IMMUNE
SERUMS/ *LYSERGIC ACID DIETHYLAMIDE,
analysis/ LYSERGIC ACID DIETHYLAMIDE,
blood/ LYSERGIC ACID DIETHYLAMIDE,
urine/ PROTEIN BINDING/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
SEROTONIN, analysis/ SERUM ALBUMIN,
BOVINE/ TRITIUM/ TRYPTOPHAN, analysis
588. Castro A, Shih H, Chung A: A direct plasma testosterone radioimmunoassay. Experientia 29:1447-8, 15 Nov 73
ANDROSTANES/ ANDROSTENES/ CROSS
REACTIONS/ ESTRADIOL/ ESTRONE/
FEMALE/ HUMAN/ MALE/ METHODS/
RABBITS, immunology/
*RADIOIMMUNOASSAY/ *TESTOSTERONE,
blood
589. Castro-Vázquez A, De Carli DN, Martín JL, et al: The effect of histamine on the earliest steps of oestrogen action. Steroids Lipids Res 4:105-12, Mar 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ CASTRATION/
CHROMATOGRAPHY, PAPER/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*ESTRADIOL, metabolism/ FEMALE/
HISTAMINE, administration & dosage/
*HISTAMINE, pharmacodynamics/ HISTIDINE,
pharmacodynamics/ IN VITRO/ MODELS,
BIOLOGICAL/ OVARY, physiology/ RATS/
TESTOSTERONE, metabolism/ TIME
FACTORS/ TRITIUM/ UTERUS, drug effects/
*UTERUS, metabolism
590. Catalano RA, Lillie RD: Effects of adrenal and noradrenaline discharging agents on the diazosulfanilic acid azure A staining of rat adrenal medulla. J Histochem Cytochem 21:1031-4, Dec 73
ADRENAL MEDULLA, cytology/ ADRENAL
MEDULLA, drug effects/ *ADRENAL
MEDULLA, metabolism/ AMINES/ ANIMAL
EXPERIMENTS/ AZO COMPOUNDS/

AUTHOR SECTION

- BENZENESULFONATES/ COMPARATIVE STUDY/ DIMETHYLAMINES/ EPINEPHRINE, secretion/ EVALUATION STUDIES/ HISTOCYTOCHEMISTRY/ HYDROGEN-ION CONCENTRATION/ IMINES/ INDICATORS AND REAGENTS/ *INSULIN, pharmacodynamics/ METHODS/ *NICOTINE, pharmacodynamics/ NOREPINEPHRINE, secretion/ PHENOTHIAZINES/ RATS/ *RESERPINE, pharmacodynamics/ STAINS AND STAINING
591. Catalona WJ, Chretien PB, Matthews WJ, et al: Serum ribonuclease in urologic cancer. Relation to host immunocompetence. *Urology* 2:577-81, Nov 73
ANTIBODY FORMATION/ BLADDER NEOPLASMS, enzymology/ BLADDER NEOPLASMS, immunology/ CHLORINE, diagnostic use/ HUMAN/ HYPERSENSITIVITY, DELAYED/ *IMMUNITY, CELLULAR/ KIDNEY NEOPLASMS, enzymology/ KIDNEY NEOPLASMS, immunology/ NEOPLASM METASTASIS/ NITROBENZENES, diagnostic use/ PROSTATIC NEOPLASMS, enzymology/ PROSTATIC NEOPLASMS, immunology/ *RIBONUCLEASE, blood/ SKIN TESTS/ TESTICULAR NEOPLASMS, enzymology/ TESTICULAR NEOPLASMS, immunology/ *UROGENITAL NEOPLASMS, enzymology/ UROGENITAL NEOPLASMS, immunology
592. Caughey JE: The spectrum of iodine malnutrition and suggested management. Studies in Iraq and Iran in the Tigris River Basin. *Acta Endocrinol [Suppl] (Khh)* 11-2, 1973
ADOLESCENCE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HEALTH AND WELFARE PLANNING/ HUMAN/ HYPERTHYROIDISM, chemically induced/ IODIDES, administration & dosage/ IODIDES, adverse effects/ IODIDES, therapeutic use/ IODINE, urine/ IRAN/ IRAQ/ WATER SUPPLY
593. Cavaglion A, Sorbi RT, Turini S: Efflux of potassium from isolated rod outer segments: a photic effect. *J Physiol (Lond)* 232:609-20, Aug 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ CHOLINE, metabolism/ DARKNESS/ EXTRACELLULAR SPACE, metabolism/ FROGS/ IN VITRO/ LIGHT/ MEMBRANE POTENTIALS/ PHOTIC STIMULATION/ *POTASSIUM, metabolism/ POTASSIUM ISOTOPES/ RADIOISOTOPES/ RANA CATESBEIANA/ *RODS AND CONES, metabolism/ RUBIDIUM/ SODIUM, metabolism/ SUCROSE, metabolism
594. Cave WT Jr, Gaskin JH, Owen JA Jr: Artifactual elevation of free cortisol. *N Engl J Med* 289:870, 18 Oct 73
ADULT/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ *HYDROCORTISONE, TOPICAL, pharmacodynamics/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYDROXYSTEROIDS, urine/ IODOCHLORHYDROXYQUIN, pharmacodynamics/ 17-KETOSTEROIDS, urine
595. Cawthon ML, Bitte LF, Krystosek A, et al: Effect of cyclic adenosine 3':5'-monophosphate on ribosomal protein phosphorylation in reticulocytes. *J Biol Chem* 249:275-8, 10 Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANEMIA, blood/ ANEMIA, metabolism/ ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, metabolism/ BUTYRATES, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ KINETICS/ MOLECULAR WEIGHT/ PHOSPHATES/ *PHOSPHOPROTEINS, hiosynthesis/ PHOSPHOPROTEINS, blood/ PHOSPHORUS RADIOISOTOPES/ RABBITS/ RETICULOCYTES, cytology/ RETICULOCYTES, drug effects/ *RETICULOCYTES, metabolism/ RIBOSOMES, drug effects/ *RIBOSOMES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS
596. Cazenave JP, Packham MA, Mustard JF: Adherence of platelets to a collagen-coated surface: development of a quantitative method. *J Lab Clin Med* 82:978-90, Dec 73
ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ CARBON RADIOISOTOPES/ CATIONS, DIVALENT/ CHELATING AGENTS, pharmacodynamics/ CHROMIUM RADIOISOTOPES/ *COLLAGEN/ EDTA, pharmacodynamics/ GLASS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ISOFLUOROPHATE/ METHODS/ MICROSCOPY, ELECTRON/ PHOSPHATASES, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ RABBITS/ ROTATION/ SEROTONIN/ SOLUBILITY/ SWINE/ TEMPERATURE/ TRITIUM
597. Ceasar PM, Sharman DF: Proceedings: Studies on the glycol metabolites of noradrenaline in mouse brain. *Br J Pharmacol* 44:340P-341P, Feb 72
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ COLD/ *GLYCOLS, metabolism/ HYPOTHALAMUS, metabolism/ METHOXYHYDROXYPHENYL GLYCOL, metabolism/ MICE/ *NOREPINEPHRINE, metabolism
598. Cekański A, Kokot F: Zachowanie się aktywności reninowej osocza krwi pepowinowej płodów hliznaczy. *Ginekol Pol* 44:1149-53, Oct 73 (Pol)
BLOOD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PREGNANCY, MULTIPLE/ *RENIN, blood/ TWINS/ UMBILICAL CORD
599. Cendrowski W: Combined therapeutic trial in multiple sclerosis: hydrocortisone hemisuccinate with cyclophosphamide or cytosine arabinoside. *Acta Neurol Belg* 73:209-19, Jul-Aug 73
ADULT/ BLOOD CELL COUNT/ COMPARATIVE STUDY/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ *CYTARABINE, administration & dosage/ CYTARABINE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ *IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ MULTIPLE SCLEROSIS, blood/ MULTIPLE SCLEROSIS, diagnosis/ *MULTIPLE SCLEROSIS, drug therapy/ REMISSION/ TIME FACTORS
600. Cerasi E, Luft R: Pathogenesis of genetic diabetes mellitus: further development of a hypothesis. *Endocrinol Jap* 20:229-42, Jun 73 (54 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *DIABETES MELLITUS, familial & genetic/ DIABETES MELLITUS, prevention & control/ DIABETES MELLITUS, therapy/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ GLYCERIN, blood/ HOMEOSTASIS/ HUMAN/ INSULIN, secretion/ LIVER, metabolism/ PREDIABETIC STATE, metabolism/ REVIEW
601. Cercek L, Cercek B, Ockey CH: Structuredness of the cytoplasmic matrix and Michaelis-Menten constants for the hydrolysis of FDA during the cell cycle in Chinese hamster ovary cells. *Biophysik* 10:187-94, 1973
ANIMAL EXPERIMENTS/ CELL DIVISION/ *CELLS, CULTURED, enzymology/ CHEMISTRY, PHYSICAL/ *CYTOPLASM, enzymology/ *FLUORESCENCE, metabolism/ FLUORESCENCE/ HAMSTERS/ HYDROLYSIS/

AUTHOR SECTION

- IN VITRO/ KINETICS/ OVARY, cytology/
*OVARY, enzymology
602. Cercek L, Cercek B, Ockey CH: Cell membrane permeability during the cell generation cycle in Chinese hamster ovary cells. *Biophysik* 10:195-7, 1973
ANIMAL EXPERIMENTS/ CELL DIVISION/
*CELL MEMBRANE PERMEABILITY/ CELLS,
CULTURED, metabolism/ CYTOPLASM,
metabolism/ HAMSTERS/ IN VITRO/
KINETICS/ OVARY, cytology/ *OVARY,
metabolism
603. Cerný J, Jandová A, Papež L, et al: Aktivita LDH (NAD-ocldoreduktázy 1, 1, 1, 27) v krevním séru ve vztahu k hormonální aktivitě organismu. *Sb Lek* 75:369-72, Nov 73 (Cze)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
GESTATIONAL AGE/ GONADOTROPINS,
CHORIONIC, urine/ *HORMONES, physiology/
HUMAN/ *LACTATE DEHYDROGENASE,
blood/ PREGNANCY/ PREGNANEDIOL, urine/
TIME FACTORS
604. Cerný JC, Karsch D: Aberrant renal arteries. *Urology* 2:623-6, Dec 73
ANEURYSM, etiology/ HUMAN/
HYPERTENSION, etiology/ KIDNEY CORTEX
NECROSIS, etiology/ MALE/ METHYLDOPA,
administration & dosage/ METHYLDOPA,
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NEPHRECTOMY/ PYELONEPHRITIS, etiology/
*RENAL ARTERY, abnormalities/ RENAL
ARTERY, radiography/ RENAL ARTERY
OBSTRUCTION, complications/ RENAL
ARTERY OBSTRUCTION, etiology/ RENAL
VEINS/ RENIN, blood/ UROGRAPHY
605. Cervós-Navarro J, Bayer JM, Käser H:
Ultrastrukturelle Differenzierung der
Phäochromocytome. *Virchows Arch [Pathol Anat]* 361:51-69, 10 Oct 73 (Ger)
*ADRENAL GLAND NEOPLASMS, pathology/
ADRENAL GLAND NEOPLASMS, surgery/
ADRENAL GLAND NEOPLASMS, urine/
ADULT/ CHILD/ ENDOPLASMIC
RETICULUM/ ENGLISH ABSTRACT/
EPINEPHRINE, urine/ FEMALE/ HUMAN/
MALE/ MICROSCOPY, ELECTRON/
MICROTUBULES/ MIDDLE AGE/
NOREPINEPHRINE, urine/
NORMETANEPHRINE, urine/
*PHEOCHROMOCYTOMA, pathology/
PHEOCHROMOCYTOMA, surgery/
PHEOCHROMOCYTOMA, urine/
VANILMANDELIC ACID, urine
606. Cevallos JL, Hagen GA, Maloof F, et al: Low-dosage 131-I therapy of thyrotoxicosis (diffuse goiters). A five-year follow-up study. *N Engl J Med* 290:141-3, 17 Jan 74
COMPARATIVE STUDY/ FOLLOW-UP
STUDIES/ GOITER, EXOPHTHALMIC, drug
therapy/ *GOITER, EXOPHTHALMIC,
radiotherapy/ HUMAN/ HYPOTHYROIDISM,
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HYPOTHYROIDISM, etiology/ *IODINE
RADIOISOTOPES, administration & dosage/
IODINE RADIOISOTOPES, adverse effects/
IODINE RADIOISOTOPES, therapeutic use/
POTASSIUM IODIDE, therapeutic use/
RADIOTHERAPY, adverse effects/
RADIOTHERAPY DOSAGE/ THYROTROPIN,
blood/ THYROXINE, blood/ TIME FACTORS
607. Chaconas G, Finch CE: The effect of aging on RNA-DNA ratios in brain regions of the C57BL-6J male mouse. *J Neurochem* 21:1469-73, Dec 73
ANIMAL EXPERIMENTS/ *BRAIN,
metabolism/ CEREBELLUM, metabolism/
CORPUS STRIATUM, metabolism/ *DNA,
metabolism/ HIPPOCAMPUS, metabolism/
HYPOTHALAMUS, metabolism/ LIMBIC
SYSTEM, metabolism/ LIVER, metabolism/
MALE/ MICE/ MICE, INBRED C57BL/ NERVE
TISSUE PROTEINS, analysis/ *RNA,
metabolism/ SPECTROPHOTOMETRY
608. Chaffee VW: Localization of ovarian acetylcholinesterase and butyrylcholinesterase in the guinea pig during the reproductive cycle. *Am J Vet Res* 35:91-5, Jan 74
ACETYLCHOLINE/
*ACETYLCHOLINESTERASE, analysis/
ACETYLCHOLINESTERASE, antagonists &
inhibitors/ ACETYLCHOLINESTERASE,
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HISTOCYTOCHEMISTRY/ *OVARY,
enzymology/ PREGNANCY/ *REPRODUCTION/
SULFHYDRYL COMPOUNDS
609. Chai CY, Lin MT: Effects of thermal stimulation of medulla oblongata and spinal cord on decerebrate rabbits. *J Physiol (Lond)* 234:409-19, Oct 73
ANIMAL EXPERIMENTS/ BODY
TEMPERATURE REGULATION/ COLD/
DECEREBRATE STATE/ EAR/ FEMALE/
HEART RATE/ *HEAT/ HYPOTHALAMUS,
physiology/ MALE/ *MEDULLA OBLONGATA,
physiology/ PHYSICAL STIMULATION/
RABBITS/ RECTUM/ RESPIRATION/
SHIVERING/ *SPINAL CORD, physiology/
STRESS
610. Chamley WA, Findlay JK, Cumming IA, et al: Effect of pregnancy on the LH response to synthetic gonadotropin-releasing hormone in the ewe. *Endocrinology* 91:291-3, Jan 74
ANIMAL EXPERIMENTS/ FEMALE/
GESTATIONAL AGE/ *LH, blood/ *LH-FSH
RELEASING HORMONE, pharmacodynamics/
PITUITARY GLAND, drug effects/
*PREGNANCY, ANIMAL/ SHEEP/ TIME
FACTORS
611. Chan JC: Dietary management of renal failure in infants and children. Principles of nutritional therapy and some representative diets. *Clin Pediatr (Phila)* 12:707-13, Dec 73 (24 ref.)
ANIMAL EXPERIMENTS/ CHILD/ *DIET
THERAPY/ DIETARY PROTEINS, metabolism/
DIETARY PROTEINS, therapeutic use/
EDEMA, prevention & control/ GLUCOSE,
metabolism/ HEMODIALYSIS/ HUMAN/
HYPERTENSION, RENAL, prevention &
control/ HYPOCALCEMIA, drug therapy/
INFANT/ *KIDNEY FAILURE, ACUTE,
therapy/ KIDNEY FAILURE, CHRONIC,
complications/ *KIDNEY FAILURE, CHRONIC,
therapy/ PARENTERAL FEEDING/
PERITONEAL DIALYSIS/ PROGNOSIS/
REVIEW/ SODIUM CHLORIDE, urine/
UREMIA, complications/ VITAMIN D,
therapeutic use
612. Chan V, Smith M, Hale PJ, et al: Thyroid function in the neonate. *Clin Endocrinol (Oxf)* 2:333-7, Oct 73
ADULT/ COMPARATIVE STUDY/
CREATININE, urine/ FEMALE/ HUMAN/
*INFANT, NEWBORN/ IODINE ISOTOPES,
DIAGNOSTIC/ IODINE RADIOISOTOPES/
MALE/ PREGNANCY/ PROTEIN-BOUND
IODINE TEST/ *THYROID GLAND,
physiology/ THYROID GLAND FUNCTION
TESTS/ THYROTROPIN, blood/ THYROXINE,
blood/ THYROXINE, urine/
TRIIODOTHYRONINE, blood/
TRIIODOTHYRONINE, urine
613. Chandra R, Braunstein P, Duhov L, et al: Evaluation of 167Tm HEDTA as a bone scanning agent in humans and its comparison with 18F. *Br J Radiol* 47:51-3, Jan 74
ACETIC ACIDS, diagnostic use/ *BONE AND
BONES/ COMPARATIVE STUDY/ DIAMINES,
diagnostic use/ *FLUORINE, diagnostic use/
HALF-LIFE/ HUMAN/ METHODS/
*RADIOISOTOPE SCANNING/
*RADIOISOTOPES, diagnostic use/ *THULIUM,
diagnostic use/ WHOLE BODY COUNTERS
614. Chandra SV, Ara R, Nagar N, et al: Sterility in experimental manganese toxicity. *Acta Biol Med Ger* 30:857-62, 1973
ACID PHOSPHATASE, analysis/ ADENOSINE
TRIPHOSPHATASE, analysis/ ANIMAL

AUTHOR SECTION

- EXPERIMENTS/ CALCINOSIS, chemically induced/ MALE/ *MANGANESE, toxicity/ RABBITS/ *STERILITY, MALE, chemically induced/ STERILITY, MALE, pathology/ SUCCINATE DEHYDROGENASE, analysis/ TESTIS, drug effects/ TESTIS, enzymology/ TESTIS, pathology
615. Chandrasekar S, Sankaran K, Verghese CV, et al: Vitiligo-a marker for autoimmune disease? Indian J Med Sci 27:465-7, Jun 73
*ACIDOSIS, RENAL TUBULAR, complications/ ADULT/ *AUTOIMMUNE DISEASES, complications/ CASE REPORT/ FEMALE/ HUMAN/ *MYXEDEMA, complications/ *VITILIGO, complications
616. Chang CL, Peng MT: In vitro inactivation of gonadotrophins by psidium root extract. J Formosan Med Assoc 72:379-85, Jul 73
ANIMAL EXPERIMENTS/ FEMALE/ *GONADOTROPINS, CHORIONIC, antagonists & inhibitors/ *GONADOTROPINS, EQUINE, antagonists & inhibitors/ HUMAN/ MALE/ PLANT EXTRACTS, pharmacodynamics/ *PLANTS/ RATS/ TANNINS, pharmacodynamics
617. Chao FC, Tullis JL: The in vitro effects of mithramycin on the aggregation and the calcium uptake of human platelets. Thromb Diath Haemorrh 29:712-21, 28 Jun 73
ADENOSINE DIPHOSPHATE/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CALCIUM, metabolism/ CALCIUM CHLORIDE/ CALCIUM RADIOISOTOPES/ HUMAN/ IN VITRO/ *MITHRAMYCIN, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects
618. Chao J, Weathershee CJ: Regulation of maltodextrin phosphorylase synthesis in Escherichia coli by cyclic adenosine 3', 5'-monophosphate and glucose. J Bacteriol 117:181-8, Jan 74
ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ CARBON RADIOISOTOPES/ CELL-FREE SYSTEM/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME INDUCTION/ ENZYME REPRESSION/ *ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, metabolism/ *GLUCOSE, pharmacodynamics/ GLUCOSYLTRANSFERASES, biosynthesis/ GLUCOSYLTRANSFERASES, metabolism/ *GLYCOGEN PHOSPHORYLASE, biosynthesis/ GLYCOGEN PHOSPHORYLASE, metabolism/ MALTOSE, metabolism/ PERMEASES, biosynthesis/ PERMEASES, metabolism/ RIFAMPIN, pharmacodynamics/ RNA, MESSENGER, biosynthesis/ TRANSCRIPTION, GENETIC, drug effects
619. Chapman JR, Bailey E: Use of chloromethylsilyl ether derivatives for the determination of hydroxylated steroids by gas chromatography-mass spectrometry. Anal Chem 45:1636-41, Aug 73
ANDROSTERONE, analysis/ *CHROMATOGRAPHY, GAS/ ETIOCHOLANOLONE, analysis/ *HYDROXYSTERIODS, analysis/ INDICATORS AND REAGENTS/ METHODS/ *METHYL ETHERS/ PREGNANEDIOL, analysis/ *SILICON/ *SPECTRUM ANALYSIS, MASS/ STEREOISOMERS
620. Chapman RH, Blandy JP, Hope-Stone HF, et al: Identification of a favourable group of teratomas. Proc R Soc Med 66:1045-7, Oct 73
COMPARATIVE STUDY/ DISGERMINOMA, radioltherapy/ FOLLOW-UP STUDIES/ HUMAN/ PROGNOSIS/ *TERATOID TUMOR, radioltherapy/ TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS, mortality/ *TESTICULAR NEOPLASMS, radioltherapy
621. Chard T: Proceedings: In vitro use of radiol isotopes as indicating placental function and-or fetal well-being. Br J Radiol 47:71, Jan 74
ALPHA GLOBULIN, analysis/ FEMALE/ FETAL GLOBULINS, analysis/ *FETUS, metabolism/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ *PLACENTA, metabolism/ PLACENTAL LACTOGEN, analysis/ PREGNANCY/ *RADIOIMMUNOASSAY
622. Chaslin M, Mamrak F, Samanlego G, et al: Characteristics of the catecholamine and histamine receptor sites mediating accumulation of cyclic adenosine 3',5'-monophosphate in guinea pig brain. J Neurochem 21:1415-27, Dec 73
ADENINE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ *CATECHOLAMINES, pharmacodynamics/ CEREBRAL CORTEX, metabolism/ CHLORPHENIRAMINE, pharmacodynamics/ DIBENAMINE, pharmacodynamics/ DIENCEPHALON, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ GUINEA PIGS/ HIPPOCAMPUS, metabolism/ *HISTAMINE, pharmacodynamics/ IN VITRO/ PHOSPHORUS RADIOISOTOPES/ PROPANOLOL, pharmacodynamics/ RADIOIMMUNOASSAY/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, HORMONE/ TIME FACTORS/ TRITIUM
623. Chaslin MR, Sullivan JM: Pharmacologic management of renovascular hypertension. JAMA 227:421-3, 28 Jan 74
ADULT/ AGED/ *ANTIHYPERTENSIVE AGENTS, therapeutic use/ ARTERIOSCLEROSIS, complications/ ARTERIOSCLEROSIS, drug therapy/ BLOOD PRESSURE DETERMINATION/ DIURETICS, therapeutic use/ DRUG SYNERGISM/ FEMALE/ GUANETHIDINE, therapeutic use/ HUMAN/ HYDRALAZINE, therapeutic use/ HYPERPLASIA/ *HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, surgery/ MALE/ METHYLDOPA, therapeutic use/ MIDDLE AGE/ PREOPERATIVE CARE/ RENAL ARTERY, radiography/ RENAL ARTERY OBSTRUCTION, complications/ RENAL VEINS/ RENIN, blood/ RESERPINE, therapeutic use
624. Chastikova AV, Starostina ZD: Ekskretsiya estrogenov u zbenzhchln, bol'nykh trikhomonozom. Akush Ginekoi (Mosk) 49:35-7, Mar 73 (Rus)
ADULT/ CHRONIC DISEASE/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ HUMAN/ MENSTRUATION/ *TRICHOMONAS VAGINITIS, urine
625. Chatfield DH, Hunter WH: The metabolism of acetamidothiazoles in the rat. 2-acetamido-4-chlorometbylthiazole. Biochem J 134:879-84, Aug 73
*ACETAMIDES, metabolism/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, metabolism/ CARBON RADIOISOTOPES/ CHLORIDES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ GLUTATHIONE, metabolism/ NUCLEAR MAGNETIC RESONANCE/ RATS/ SPECTROPHOTOMETRY, INFRARED/ SPECTRUM ANALYSIS, MASS/ SULFONES, metabolism/ SULFOXIDES, metabolism/ *THIAZOLES, metabolism/ THIOUREA, metabolism/ TRITIUM
626. Chatfield DH, Hunter WH: The metabolism of acetamidothiazoles in the rat. 2-Acetamido-, 2-acetamido-4-methyl- and 2-acetamido-4-phenyl-thiazole. Biochem J 134:869-78, Aug 73
*ACETAMIDES, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ IN VITRO/ LIVER, metabolism/ MALE/

AUTHOR SECTION

- NUCLEAR MAGNETIC RESONANCE/ RATS/
SPECTROPHOTOMETRY, INFRARED/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SPECTRUM ANALYSIS, MASS/ *THIAZOLES,
metabolism/ THIOHYDANTOINS, metabolism/
THIOUREA, metabolism
627. Chatterjee A: The possible mode of action of
prostaglandins. 3. Ovarian response to exogenous
gonadotrophins in the presence of PGF₂alpha or
PGE₂ in immature rats.
Endokrinologie 61:307-11, May 73
ANIMAL EXPERIMENTS/ FEMALE/
*GONADOTROPINS, CHORIONIC,
pharmacodynamics/ *GONADOTROPINS,
EQUINE, pharmacodynamics/ *OVARY, drug
effects/ OVULATION, drug effects/
*PROSTAGLANDINS, pharmacodynamics/
RATS/ UTERUS, drug effects/ VAGINA, drug
effects
628. Chatterjee P: Extracellular handed structures in
cultures of the rabbit adenohypophysis.
J Anat 115:415-20, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ COLLAGEN, analysis/
CONNECTIVE TISSUE CELLS, analysis/
*EXTRACELLULAR SPACE, cytology/
FEMALE/ FETUS/ MALE/ MICROSCOPY,
ELECTRON/ ORGAN CULTURE/
PERIODICITY/ *PITUITARY GLAND,
cytology/ PREGNANCY/ RABBITS/ SEX
FACTORS
629. Chaudry AQ, James KC: A Hansch analysis of the
anabolic activities of some nandrolone esters.
J Med Chem 17:157-61, Feb 74
*ANABOLIC STEROIDS, chem synthesis/
ANABOLIC STEROIDS, pharmacodynamics/
ANIMAL EXPERIMENTS/ CASTRATION/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ESTERS, chem synthesis/ ESTERS,
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synthesis/ FATTY ACIDS, pharmacodynamics/
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*NANDROLONE, chem synthesis/
NANDROLONE, pharmacodynamics/ ORGAN
WEIGHT/ RATS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TIME FACTORS
630. Chaussain JL, Garnier PE, Binet E, et al: Effect of
synthetic luteinizing hormone-releasing hormone
(LH-RH) on the release of gonadotrophins in
hypophyso-gonadal disorders of children and
adolescents. 3. Hypopituitarism.
J Clin Endocrinol Metab 38:58-63, Jan 74
ADOLESCENCE/ ADULT/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ *FSH, blood/
HUMAN/ HYPOGONADISM, blood/
*HYPOPITUITARISM, blood/
HYPOPITUITARISM, diagnosis/ *LH, blood/
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use/ *LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ TESTOSTERONE,
blood/ THYROTROPIN, blood/ THYROTROPIN
RELEASING HORMONE, diagnostic use
631. Chauvergne J, Hoerni B, Hoerni-Simon G, et al:
Chimiothérapie de la maladie de Hodgkin associant
procarbazine, vinblastine, cyclophosphamide et
méthyl-prednisolone.
Z Krebsforsch 80:179-88, 1 Nov 73 (Fre)
ADOLESCENCE/ ADULT/ AGED/ CHILD/
CYCLOPHOSPHAMIDE, administration &
dosage/ *CYCLOPHOSPHAMIDE, therapeutic
use/ ENGLISH ABSTRACT/ FEMALE/
*HODGKIN'S DISEASE, drug therapy/
HODGKIN'S DISEASE, radiotherapy/ HUMAN/
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*METHYLPREDNISOLONE, therapeutic use/
MIDDLE AGE/ PROCARBAZINE,
administration & dosage/ *PROCARBAZINE,
therapeutic use/ REMISSION/ VINBLASTINE,
administration & dosage/ *VINBLASTINE,
therapeutic use
632. Chee CA, Ilbery PL, Rickinson AB: Depression of
lymphocyte replicating ability in radiotherapy
patients. Br J Radiol 47:37-43, Jan 74
- AUTORADIOGRAPHY/ BREAST NEOPLASMS,
radiotherapy/ CARCINOMA, EPIDERMOID,
radiotherapy/ CHROMOSOMES, radiation
effects/ DISGERMINOMA, radiotherapy/
FEMALE/ HUMAN/ *LYMPHOCYTES,
radiation effects/ MALE/ PLANT
AGGLUTININS, pharmacodynamics/
*RADIATION EFFECTS/ *RADIOTHERAPY,
adverse effects/ RADIOTHERAPY DOSAGE/
SPONDYLITIS, ANKYLOSING, radiotherapy/
THYMIDINE, metabolism/ TRITIUM
633. Cheek JH: Cancer of the breast in pregnancy and
lactation. Am J Surg 126:729-31, Dec 73 (18 ref.)
AGE FACTORS/ BREAST, blood supply/
BREAST NEOPLASMS, diagnosis/ BREAST
NEOPLASMS, immunology/ BREAST
NEOPLASMS, mortality/ *BREAST
NEOPLASMS, occurrence/ BREAST
NEOPLASMS, surgery/ FEMALE/ HORMONES,
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LYMPHATIC METASTASIS/ MASTECTOMY/
PREGNANCY/ *PREGNANCY
COMPLICATIONS, occurrence/ PROGNOSIS/
REVIEW/ TIME FACTORS
634. Chelgh JS, Rubln AL, Stenzel KH, et al: Hypocalcemia
following bilateral nephrectomy.
Urology 2:121-4, Aug 73
ALKALINE PHOSPHATASE, blood/
ALUMINUM HYDROXIDE GEL, therapeutic
use/ CALCIUM, blood/ CALCIUM, therapeutic
use/ CREATININE, blood/
DIHYDROXYCHOLECALCIFEROLS, therapeutic
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HYPERCALCEMIA, etiology/
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*HYPOCALCEMIA, etiology/ KIDNEY,
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POLYCYSTIC, surgery/ MIDDLE AGE/
*NEPHRECTOMY, adverse effects/
PARATHYROID HORMONE, blood/
PHOSPHORUS, blood/ SERUM ALBUMIN,
analysis
635. Chen TT, Bazer FW, Cetorelli JJ, et al: Purification and
properties of a progesterone-induced basic
glycoprotein from the uterine fluids of pigs.
J Biol Chem 248:8560-6, 25 Dec 73
AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ CARBOHYDRATES, analysis/
CASTRATION/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, ION EXCHANGE/
ELECTROPHORESIS, DISC/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ ESTRUS/ FEMALE/ GEL DIFFUSION
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*GLYCOPROTEINS, biosynthesis/
GLYCOPROTEINS, isolation & purification/
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*PROGESTERONE, pharmacodynamics/ SHEEP,
immunology/ SODIUM DODECYL SULFATE/
SPECTROPHOTOMETRY/ SWINE/
ULTRACENTRIFUGATION/ UTERUS, drug
effects/ *UTERUS, metabolism
636. Cheng HC, Long JP, Nichols DE, et al: Effects of
psychotomimetics on vascular strips: studies of
methoxylated amphetamines and optical isomers of
2,5-dimethoxy-4-methylamphetamine and
2,5-dimethoxy-4-bromoamphetamine.
J Pharmacol Exp Ther 188:114-23, Jan 74
*AMPHETAMINE, pharmacodynamics/
ANILIDES, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BARIUM, pharmacodynamics/
BROMINE, pharmacodynamics/ CINNAMATES,
pharmacodynamics/ COCAINE,
pharmacodynamics/ DOGS/ DOM,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *HALLUCINOGENS,
pharmacodynamics/ IN VITRO/ METHYL
ETHERS, pharmacodynamics/ MUSCLE
CONTRACTION, drug effects/ MUSCLE,
SMOOTH, drug effects/ NERVE ENDINGS,
drug effects/ NOREPINEPHRINE,
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PHENTOLAMINE, pharmacodynamics/
POTASSIUM CHLORIDE, pharmacodynamics/

AUTHOR SECTION

- RECEPTORS, DRUG, drug effects/
SEROTONIN, antagonists & inhibitors/
SULFIDES, pharmacodynamics/ SYMPATHETIC
NERVOUS SYSTEM, drug effects/ *VEINS,
drug effects
637. Chenskikh EP, Turkebaeva KA: Klinika i
patologiya kostno-sustavnogo tuberkuleza,
vzbyvannogo Mikobakteriellami chelovecheskogo,
bych'ego i ptich'ego tipov.
Probl Tuberk 51:50-4, 1973 (Rus)
BONE AND BONES, pathology/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
*MYCOBACTERIUM, isolation & purification/
*MYCOBACTERIUM BOVIS, isolation &
purification/ *MYCOBACTERIUM
TUBERCULOSIS, isolation & purification/
*TUBERCULOSIS, OSTEOARTICULAR,
etiology/ TUBERCULOSIS, OSTEOARTICULAR,
microbiology/ TUBERCULOSIS,
OSTEOARTICULAR, pathology
638. Cheremisinov GA: Gravogormon i progesteron dlia
stimulatsii polovoi funktsii u korov.
Veterinaria 3:80-2, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE
DISEASES, drug therapy/ *ESTRUS, drug
effects/ FEMALE/ *GONADOTROPINS,
therapeutic use/ *OVARIAN DISEASES, drug
therapy/ *PROGESTERONE, therapeutic use/
TIME FACTORS
639. Chernesky MA, Larke RP, Turpie AG: Interaction
between viruses and platelets: requirement of
haemolytic activity for platelet aggregation induced
by paramyxoviruses. J Gen Virol 21:205-13, Nov 73
BLOOD PLATELETS, metabolism/ *BLOOD
PLATELETS, physiology/ ERYTHROCYTES,
immunology/ HEAT/ HEMAGGLUTINATION
TESTS/ HEMAGGLUTINATION, VIRAL/
*HEMOLYSIS/ HUMAN/ INFLUENZA
VIRUSES, immunology/ NEWCASTLE
DISEASE VIRUS, drug effects/ *NEWCASTLE
DISEASE VIRUS, immunology/ NEWCASTLE
DISEASE VIRUS, radiation effects/
*PLATELET ADHESIVENESS/ RABBITS/
RADIATION EFFECTS/ *SENDAI VIRUS,
immunology/ SEROTONIN, metabolism/
SURFACE-ACTIVE AGENTS,
pharmacodynamics/ TRITIUM/ ULTRAVIOLET
RAYS
640. Cheung WW, Marshall AT: Studies on water and ion
transport in homopteran insects: ultrastructure and
cytochemistry of the cicadoid and cercopoid midgut.
Tissue Cell 5:851-69, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ CALCIUM, metabolism/
CARBONATES, metabolism/ COMPARATIVE
STUDY/ EPITHELIUM, cytology/
GASTROINTESTINAL SYSTEM, anatomy &
histology/ GASTROINTESTINAL SYSTEM,
cytology/ *GASTROINTESTINAL SYSTEM,
metabolism/ HISTOCYTOCHEMISTRY/
INSECTS, cytology/ *INSECTS, metabolism/
IRON, metabolism/ MAGNESIUM, metabolism/
MICROSCOPY, ELECTRON/ PHOSPHATES,
metabolism/ SPECIES SPECIFICITY/ STAINS
AND STAINING/ URIC ACID, metabolism/
*WATER-ELECTROLYTE BALANCE
641. Chiappo GF, Mignone F, Zannino L: La sindrome de
Leri-Weill. Illustrazione di un caso.
Minerva Pediatr 25:1315-26, 15 Sep 73 (Ita)
*AUTOSOME ABNORMALITIES/ *BONE
DISEASES, DEVELOPMENTAL, familial &
genetic/ CHILD/ DISLOCATIONS, familial &
genetic/ *DWARFISM, familial & genetic/
*DYSCHONDROPLASIA, familial & genetic/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*ULNA, abnormalities
642. Chiba K, Iio M, Yamada H, et al: [Bone scintigrams of
the aged patients. 2. Accelerated bone metabolism in
the affected legs in femoral neck fractures]
Jap J Nucl Med 10:389-95, Aug 73 (Jap)
AGED/ *BONE AND BONES, metabolism/
ENGLISH ABSTRACT/ FEMALE/ *FEMORAL
NECK FRACTURES, metabolism/ HUMAN/
*LEG/ MIDDLE AGE/ RADIOISOTOPE
- SCANNING/ TECHNETIUM/ WHOLE BODY
COUNTERS
643. Chizhikov VA: Vliyanie vrednykh veshchestv na
zhivotnykh s oslablennym zdorov'em v usloviakh
khronicheskoi zatravki.
Gig Sanit 38:7-12, Jul 73 (Rus)
ANIMAL EXPERIMENTS/ CARBON
TETRACHLORIDE POISONING,
physiopathology/ CHRONIC DISEASE/
*DISEASE MODELS, ANIMAL/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ENGLISH ABSTRACT/ HEPATITIS, TOXIC,
physiopathology/ MAXIMUM PERMISSIBLE
EXPOSURE LEVEL/ *PHENOLS,
pharmacodynamics/ RADIATION INJURIES,
EXPERIMENTAL, physiopathology/ RATS/
THYROID GLAND, physiopathology
644. Chmelař M, Chmelařová M: Stimulation of adipose
tissue triglyceride lipase activity after in vivo
administration of dibutylcyclic AMP or
norepinephrine. FEBS Lett 37:264-8, 1 Dec 73
ADIPOSE TISSUE, drug effects/ *ADIPOSE
TISSUE, enzymology/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY, THIN
LAYER/ COMPARATIVE STUDY/
*DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ EPIDIDYMIS/ INSULIN,
pharmacodynamics/ *LIPASE, metabolism/
MALE/ NICOTINIC ACID, pharmacodynamics/
NOREPINEPHRINE, antagonists & inhibitors/
*NOREPINEPHRINE, pharmacodynamics/
RATS/ TIME FACTORS/ TRIGLYCERIDES
645. Chmelík V, Stříbrný J, Papež L, et al: Rotersept spray v
prevenci mastitidy a ragád bradavek.
Cesk Gynkol 38:889-90, Nov 73 (Cze)
AEROSOLS/ *BREAST DISEASES, prevention
& control/ DISINFECTANTS, administration &
dosage/ *DISINFECTANTS, therapeutic use/
FEMALE/ HUMAN/ LACTATION/ *MASTITIS,
prevention & control
646. Cho CT, Vais TS, Lowman JT, et al: Fusarium solani
infection during treatment for acute leukemia.
J Pediatr 83:1028-31, Dec 73
AMPHOTERICIN B, therapeutic use/
ASPARAGINASE, therapeutic use/ CHILD,
PRESCHOOL/ DAUNOMYCIN, therapeutic use/
*FUSARIUM/ FUSARIUM, isolation &
purification/ HUMAN/ *LEUKEMIA,
LYMPHOBLASTIC, complications/ LEUKEMIA,
LYMPHOBLASTIC, drug therapy/ MALE/
MONILIASIS, drug therapy/ *MONILIASIS,
etiology/ MONILIASIS, microbiology/
PREDNISONE, therapeutic use/ SKIN,
microbiology/ VINCRISTINE, therapeutic use
647. Cho SK, Hamoudi AB, Clatworthy HW Jr, et al:
Infarction of an abdominal undescended testis
presenting as a calcified abdominal mass in a newborn.
Radiology 110:173-4, Jan 74
*CALCINOSIS, radiography/ *CRYPTORCHISM,
complications/ CRYPTORCHISM, radiography/
DIAGNOSIS, DIFFERENTIAL/ HUMAN/
INFANT, NEWBORN/ *INFANT, NEWBORN,
DISEASES, radiography/ INFARCTION,
etiology/ *INFARCTION, radiography/ MALE/
*TESTIS, blood supply/ VENA CAVA,
INFERRIOR, radiography
648. Cho TM, Loh HH: Regulation of mouse brain
tryptophan hydroxylase activity.
Pharmacology 10:215-9, 1973
ANIMAL EXPERIMENTS/ *BRAIN,
enzymology/ FEEDBACK/
HYDROXYINDOLEACETIC ACID, metabolism/
HYDROXYINDOLEACETIC ACID,
pharmacodynamics/ *HYDROXYLASES,
metabolism/ KINETICS/ MALE/ MICE/
NOREPINEPHRINE, metabolism/
NOREPINEPHRINE, pharmacodynamics/
PARGYLINE, pharmacodynamics/
PROBENECID, pharmacodynamics/
RESERPINE, pharmacodynamics/ SEROTONIN,
biosynthesis/ TRYPTOPHAN HYDROXYLASE,
metabolism
649. Cho-Chung YS, Gullino PM: In vivo inhibition of growth

AUTHOR SECTION

- of two hormone-dependent mammary tumors by dibutyl cyclic AMP. Science 183:87-8, 11 Jan 74
- ANIMAL EXPERIMENTS/
BENZANTHRACENES/ CASTRATION/
*DIBUTYRYL CYCLIC AMP, therapeutic use/
ENDONUCLEASES, biosynthesis/
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NEOPLASMS, EXPERIMENTAL, drug therapy/
MAMMARY NEOPLASMS, EXPERIMENTAL,
enzymology/ RATS/ RIBONUCLEASE,
biosynthesis/ RIBONUCLEASE, metabolism
650. Chojnacki J, Zydowicz L, Adamiak T: Choroba Addisona-Biermera skojarzona z białactwem, cukrzycą i niedoczynnością tarczycy. Pol Tyg Lek 28:1817-8, 12 Nov 73 (Pol)
*ANEMIA, PERNICIOUS, complications/
AUTOANTIBODIES, analysis/ *DIABETES
MELLITUS, complications/ ENGLISH
ABSTRACT/ GASTRIC MUCOSA, immunology/
HUMAN/ *HYPOTHYROIDISM, complications/
MALE/ MIDDLE AGE/ *VITILIGO,
complications
651. Chomiczewski K: Development of late pathomorphological changes in the testes after irradiation of newborn mice with sublethal doses of X-rays. Folia Biol (Krakow) 21:279-87, 1973
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ MALE/ MICE/ RADIATION
DOSAGE/ *RADIATION EFFECTS/
SPERMATOGENESIS, radiation effects/
TESTIS, pathology/ *TESTIS, radiation effects/
TIME FACTORS
652. Chomiczewski K: Development of late pathomorphological changes in the ovaries after irradiation of newborn mice with sublethal doses of X-rays. Folia Biol (Krakow) 21:289-96, 1973
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ FEMALE/ MICE/ OVARY,
pathology/ *OVARY, radiation effects/
RADIATION DOSAGE/ *RADIATION
EFFECTS/ TIME FACTORS
653. Chong LK: The effect of long-term exposure to an illuminated white background on the MSH content of the pituitary of *Xenopus laevis*. Comp Gen Pharmacol 4:157-66, Jun 73
ADAPTATION, PHYSIOLOGICAL/
AMPHETAMINE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CHROMATOPHORES,
metabolism/ HYPOPHYSECTOMY/ *LIGHT/
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GLAND, analysis/ PITUITARY GLAND,
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TIME FACTORS/ *XENOPUS, physiology
654. Chopra JG: Enrichment and fortification of foods in Latin America. Am J Public Health 64:19-26, Jan 74
AMINO ACIDS/ CENTRAL AMERICA/
CEREALS/ DIETARY PROTEINS/
FINANCING, GOVERNMENT/ *FOOD,
FORTIFIED/ FOOD LABELING/
FOOD-PROCESSING INDUSTRY/ GOITER,
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LEGISLATION, MEDICAL/ MINERALS/
PUBLIC HEALTH ADMINISTRATION/
SOCIAL CONTROL, FORMAL/ SODIUM
CHLORIDE/ SOUTH AMERICA/ VITAMINS
655. Choussat A, Clementy J, Dallochio M, et al: Les phéochromocytomes. Ann Cardiol Angiol (Paris) 22:275-94, Jul-Sep 73 (128 ref.) (Fre)
ARRHYTHMIA, etiology/ ARTERIOSCLEROSIS,
complications/ BLOOD PRESSURE/ DIURESIS/
ENGLISH ABSTRACT/ FEMALE/
HEMATOLOGIC DISEASES, etiology/ HUMAN/
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PHEOCHROMOCYTOMA, physiopathology/
PHEOCHROMOCYTOMA, surgery/
RECEPTORS, ADRENERGIC/ REVIEW/
SHOCK, etiology
656. Chowdhury AK, Steinberger E: Radioautography of histologic sections of human testicular tissue. Stain Technol 48:305-9, Nov 73
AUTORADIOGRAPHY/ COMPARATIVE
STUDY/ HISTOLOGICAL TECHNIQS/
HUMAN/ MALE/ ORGAN CULTURE/ RESINS/
STAINS AND STAINING/ *TESTIS, cytology/
THYMIDINE, metabolism/ TRITIUM/ XYLENE
657. Chowdhury NN: Women in sports. J Indian Med Assoc 61:146-8, 1 Aug 73
ADOLESCENCE/ ATHLETIC INJURIES/
CHILD/ FEMALE/ HUMAN/ MENSTRUATION/
PHYSICAL EDUCATION AND TRAINING/
PREGNANCY/ SEX DETERMINATION/ SEX
DIFFERENTIATION DISORDERS, diagnosis/
*SPORT MEDICINE/ SWIMMING
658. Christiansen J, Gram LF: Imipramine and its metabolites in human brain. J Pharm Pharmacol 25:604-8, Aug 73
ADULT/ AMYGDALOID BODY, analysis/
*BRAIN CHEMISTRY/ CEREBRAL CORTEX,
analysis/ CHROMATOGRAPHY, THIN LAYER/
CORPUS STRIATUM, analysis/ DESIPRAMINE,
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*IMIPRAMINE, analysis/ IMIPRAMINE,
metabolism/ MALE/ MEDULLA OBLONGATA,
analysis/ MESENCEPHALON, analysis/
MYOCARDIUM, analysis/ PONS, analysis/
SUICIDE/ THALAMUS, analysis
659. Christiansen P: Urinary gonadotrophins following castration of men. Acta Endocrinol (Kbh) 74:79-87, Sep 73
ADULT/ AGE FACTORS/ AMITRIPTYLINE/
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ *CASTRATION/
CHLORPROTHIXENE/ FEMALE/ *FSH, urine/
*GONADOTROPINS, PITUITARY, urine/
HUMAN/ *LH, urine/ MALE/ MICE/ MIDDLE
AGE/ RATS/ TIME FACTORS
660. Christiansen P, Nielsen J: Urinary follicle stimulating hormone and luteinizing hormone in six males with the XYY syndrome. Acta Endocrinol (Kbh) 74:625-30, Dec 73
ADULT/ ANIMAL EXPERIMENTS/ *FSH,
urine/ HUMAN/ *LH, urine/ MALE/
METHODS/ RATS/ *SEX CHROMOSOME
ABNORMALITIES, urine
661. Christie JE, Ljungberg T, Ungerstedt U: Proceedings: Dopamine neurones and electrical self-stimulation in the lateral hypothalamus. J Physiol (Lond) 234:80P-81P, Oct 73
ANIMAL EXPERIMENTS/ APOMORPHINE,
pharmacodynamics/ BEHAVIOR, ANIMAL/
DENERVATION/ *DOPAMINE, physiology/
HYDROXYDOPAMINE, pharmacodynamics/
*HYPOTHALAMUS, physiology/ MALE/
NEURONS, physiology/ RATS/ ROTATION/
*SELF STIMULATION/ STEREOTYPED
BEHAVIOR, drug effects
662. Chubatala IG: Funktsional'nala aktivnost' shchitovidnoi zhelezy i fosforno-kal'tsievyl obmen u detei bol'nykh ostroi pnevmoniei na fone rakhita. Pediatrila 52:26-30, Nov 73 (Rus)
ACUTE DISEASE/ *CALCIUM, metabolism/
CHILD/ CHILD, PRESCHOOL/ HUMAN/
INFANT/ INFANT, NEWBORN/
*PHOSPHORUS, metabolism/ PNEUMONIA,
complications/ *PNEUMONIA, metabolism/
*RICKETS, complications/ RICKETS,
metabolism/ THYROID GLAND, metabolism/
*THYROID GLAND, physiology
663. Chumasov EI, Reidler RM: Khromaffinnye kletki okoloserdetsnykh paragangliov (Illuminestentnomikroskopicheskoe issledovanie katekolaminov. Arkh Anat Gistol Embriol 64:68-74, Feb 73 (Rus)

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ AORTA/
*CATECHOLAMINES/ CATS/ *CHROMAFFIN
SYSTEM, cytology/ ENGLISH ABSTRACT/
GANGLIA, cytology/ HEART, innervation/
HEART VENTRICLE/ LUNG/ MICROSCOPY,
FLUORESCENCE/ PARASYMPATHETIC
NERVOUS SYSTEM, cytology
664. Chumburidze ESh, Krymskaya ML, Perfil'eva IF, et al:
Lechenie sul'fidno-illovoj griaz'lu gipofunktsii
laichnikov vospalitel'noi étiologii.
Akush Ginekoi (Mosk) 49:17-9, Mar 73 (Rus)
CATECHOLAMINES, urine/ CHRONIC
DISEASE/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ *MUD THERAPY/ *OVARIAN
DISEASES, therapy/ OVARY, physiopathology/
*SULFIDES, therapeutic use
665. Churý Z: Pohlavní rozdíly v diuréze a ve vzniku
nefrokalcinózy po zatížení dihydrotachysterolem u
krys.
Cesk Pediatr 28:499-503, Sep 73 (Cze)
ANIMAL EXPERIMENTS/
*DIHYDROTACHYSTEROL, adverse effects/
DIHYDROTACHYSTEROL, pharmacodynamics/
*DIURESIS, drug effects/ ENGLISH
ABSTRACT/ FEMALE/ MALE/
*NEPHROCALCINOSIS, chemically induced/
RATS/ SEX FACTORS
666. Chvapil M: New aspects in the biological role of zinc: a
stabilizer of macromolecules and biological
membranes. Life Sci 13:1041-9, 18 Oct 73 (58 ref.)
ANIMAL EXPERIMENTS/ BINDING SITES/
CALCIUM, metabolism/ CELL MEMBRANE,
metabolism/ DRUG STABILITY/ EDTA/
ELECTRON TRANSPORT/ ERYTHROCYTES,
cytology/ ERYTHROCYTES, metabolism/
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metabolism/ PLANTS, metabolism/ PROTEIN
BINDING/ REVIEW/ SOLUBILITY/
SPERMATOZOA, metabolism/ ZINC, blood/
*ZINC, metabolism/ ZINC, physiology
667. Clavarella N, Petronelli M, Troccoli G, et al:
Plastrinopenia ciclica o "disgenesi plastrinica
periodica" o "distrombocitopolesi periodica" in un
soggetto femminile.
Haematologica (Pavia) 58:793-5, 1973 (Ita)
CASE REPORT/ FEMALE/
GLUCOCORTICIDS, therapeutic use/
HUMAN/ MIDDLE AGE/ *PERIODICITY/
*THROMBOPENIA/ THROMBOPENIA, drug
therapy
668. Cibils LA: The placenta and newborn infant in
hypertensive conditions.
Am J Obstet Gynecol 118:256-70, 15 Jan 74
ADOLESCENCE/ ADULT/ BIRTH WEIGHT/
CAPILLARIES, pathology/ ECLAMPSIA,
pathology/ ESTRIOL, urine/ FEMALE/
HUMAN/ *HYPERTENSION, pathology/
*INFANT, NEWBORN/ INFANT,
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COMPLICATIONS, CARDIOVASCULAR,
pathology/ PREGNANCY TOXEMIAS,
pathology/ STAINS AND STAINING/
TROPHOBLAST, pathology
669. Cicero TJ, Wilcox CE, Smiltbloff BR, et al: Effects of
morphine, in vitro and in vivo, on tyrosine
hydroxylase activity in rat brain.
Biochem Pharmacol 22:3237-46, 15 Dec 73
ANIMAL EXPERIMENTS/ BRAIN, drug
effects/ *BRAIN, enzymology/ CARBON
RADIOISOTOPES/ CATECHOLAMINES,
biosynthesis/ CAUDATE NUCLEUS,
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RELATIONSHIP, DRUG/ DRUG TOLERANCE/
EPINEPHRINE, biosynthesis/
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KINETICS/ MALE/ MESENCEPHALON,
metabolism/ *MORPHINE, pharmacodynamics/
NOREPINEPHRINE, biosynthesis/ RATS/
TIME FACTORS/ *TYROSINE
HYDROXYLASE, metabolism
670. Cielmanec JL, Niswender GD, Faulkner LC:
Arterial-venous differences in gonadotropin
concentration across the ovary of sheep during
different reproductive states.
Proc Soc Exp Biol Med 144:99-105, 1 Oct 73
ANIMAL EXPERIMENTS/ ARTERIES/
COMPARATIVE STUDY/ CORPUS LUTEUM,
blood supply/ *ESTRUS/ FEMALE/ FSH,
blood/ *GONADOTROPINS, PITUITARY,
blood/ LH, blood/ *OVARY, blood supply/
PREGNANCY/ PROGESTERONE, blood/
PROLACTIN, blood/ RADIOIMMUNOASSAY/
SHEEP/ TIME FACTORS/ VEINS
671. Cieciorowska A, Wasilewska D, Brzozowska H: Wpływ
stosowania bormonów anabolizujących na dalszy
rozwoj barzdu rodnegu u dziewiczyniek. Doniesienie
wstepne.
Pediatr Pol 48:1229-36, 1973 (Pol)
AGE FACTORS/ *AMENORRHEA, chemically
induced/ *ANABOLIC STEROIDS, therapeutic
use/ *ANDROSTENOLS, therapeutic use/
CHILD/ CHILD, PRESCHOOL/ ENGLISH
ABSTRACT/ FEMALE/ *GENITALIA,
FEMALE, drug effects/ HUMAN/ *PUBERTY,
PRECOCIOUS, chemically induced/ *VIRILISM,
chemically induced
672. Cipollina Mangiameli G: Amenorrhea e disturbi
comportamentali. Caso clinico trattato con "metodica
psicoterapica su elementi di cultura cibernetica di G.
Cipollina Mangiameli".
Minerva Med 64:3765-9, 13 Oct 73 (Ita)
ADULT/ AMENORRHEA, complications/
AMENORRHEA, drug therapy/
*AMENORRHEA, therapy/ AMITRIPTYLINE,
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NEUROSES, OBSESSIVE-COMPULSIVE,
etiology/ *NEUROSES,
OBSESSIVE-COMPULSIVE, therapy/
PROGESTERONE, therapeutic use/
*PSYCHOTHERAPY
673. Cipollina Mangiameli G: Disendocrinia adiposa. Caso
clinico trattato con "metodica psicoterapica su
elementi di cultura cibernetica di G. Cipollina
Mangiameli".
Minerva Med 64:3761-4, 13 Oct 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic
use/ ADRENAL GLAND DISEASES,
complications/ ADRENAL GLAND DISEASES,
drug therapy/ *ADRENAL GLAND DISEASES,
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*CYBERNETICS/ ENGLISH ABSTRACT/
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NEUROSES, therapy/ OBESITY, complications/
OBESITY, drug therapy/ *OBESITY, therapy/
*PSYCHOTHERAPY/ TRANQUILIZING
AGENTS, therapeutic use
674. Clabough JW, Norvell JE: Pineal influence on the
Harderian glands of female golden hamsters.
Anat Rec 178:119-25, Jan 74
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ BLINDNESS/ EPITHELIAL
CELLS/ FEMALE/ *HAMSTERS, physiology/
HISTOCYTOCHEMISTRY/ LACRIMAL
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*LACRIMAL APPARATUS, physiology/ MALE/
MORPHOGENESIS/ ORGAN WEIGHT/
OVARY/ PINEAL BODY, metabolism/
*PINEAL BODY, physiology/ PORPHYRINS,
metabolism/ TIME FACTORS/ UTERUS
675. Clabough JW, Norvell JE: Effects of castration,
binding, and the pineal gland on the Harderian glands
of the male golden hamster.
Neuroendocrinology 12:344-53, 1973
ANIMAL EXPERIMENTS/ *BLINDNESS/
*CASTRATION/ *HAMSTERS, physiology/
*LACRIMAL APPARATUS, physiology/ MALE/
*PINEAL BODY, physiology/ TESTIS,
physiology

AUTHOR SECTION

676. Clagett OT: Proceedings: Tumors of the thymus. Proc Natl Cancer Conf 7:543-5, 1973
AUTOIMMUNE DISEASES/ HUMAN/
MYASTHENIA GRAVIS, etiology/ NEOPLASM
METASTASIS/ THYMECTOMY/ THYMUS
GLAND, pathology/ *THYMUS NEOPLASMS/
THYMUS NEOPLASMS, complications/
THYMUS NEOPLASMS, pathology
677. Clairambault P, Veselkin NP: Anatomicheskoe, gistologicheskoe, émbriologicheskoe i fiziologicheskoe issledovanie amigdal beschvostykh amfibii.
Zh Evol Blokhim Fiziol 9:487-94, Sep-Oct 73 (Rus)
*AMYGDALOID BODY/ AMYGDALOID BODY,
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AFFERENT/ OLFACTORY BULB, physiology/
OLFACTORY NERVE, physiology/ *TOADS
678. Clark AF, Carson GD, Delory B, et al: Effects of oestrogen administration on testosterone metabolism in normal men. Clin Endocrinol (Oxf) 2:361-8, Oct 73
ADMINISTRATION, ORAL/ ADULT/
AUTORADIOGRAPHY/ BLOOD PROTEINS,
metabolism/ DIETHYLSTILBESTROL,
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*DIETHYLSTILBESTROL, pharmacodynamics/
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*TESTOSTERONE, metabolism/ TRITIUM
679. Clark DW, Laverty R, Phelan EL: Long-lasting peripheral and central effects of 6-hydroxydopamine in rats. Br J Pharmacol 44:233-43, Feb 72
ADRENAL GLANDS, metabolism/ ANIMAL
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*PERIPHERAL NERVES, drug effects/ RATS/
SPINAL CORD, metabolism/
SYMPATHECTOMY/ TIME FACTORS/ VAS
DEFERENS, metabolism
680. Clark JH, Anderson JN, Peck EJ Jr: Estrogen receptor-anti-estrogen complex: atypical binding by uterine nuclei and effects on uterine growth. Steroids 22:707-18, Nov 73
ANIMAL EXPERIMENTS/ BINDING SITES/
CELL NUCLEUS, drug effects/ CELL
NUCLEUS, metabolism/ CHARCOAL/
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FACTORS/ TRITIUM/ UTERUS, cytology/
UTERUS, drug effects/ UTERUS, growth &
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681. Clark RM: Letter: Reaction to pancuronium? Br J Anaesth 45:997, Sep 73
ADULT/ *ANESTHETICS, pharmacodynamics/
*BRONCHIAL SPASM, chemically induced/
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pharmacodynamics/ INTUBATION,
INTRATRACHEAL/ *PANCURONIUM, adverse
effects/ *PREGNANEDIONES,
pharmacodynamics/ SPIROMETRY
682. Clarke DE, Sampath SS: Studies on the functional role of intraneuronal monamine oxidase. J Pharmacol Exp Ther 187:539-49, Dec 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
BRAIN, metabolism/ CHLORISONDAMINE,
pharmacodynamics/ COLD/ DOPAMINE,
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NIALAMIDE, pharmacodynamics/
NOREPINEPHRINE, metabolism/ RATS/
THIOCARBAMATES, pharmacodynamics/ TIME
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683. Clarke HC: In pregnancy: effect of iron and folic acid on riboflavin status. Int J Vitam Nutr Res 43:438-41, Apr 73
*ANEMIA, HYPOCHROMIC, blood/ ANEMIA,
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*PREGNANCY COMPLICATIONS,
HEMATOLOGIC, blood/ *RIBOFLAVIN, blood/
RIBOFLAVIN, pharmacodynamics/
RIBOFLAVIN, therapeutic use/ UMBILICAL
CORD
684. Clarke RS, Dundee JW, Carson IW: Proceedings: A new steroid anaesthetic-althesin. Proc R Soc Med 66:1027-30, Oct 73 (19 ref.)
ANESTHESIA, GENERAL/ ANESTHESIA,
OBSTETRICAL/ *ANESTHETICS/
ANESTHETICS, adverse effects/ BLOOD
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HYDROXYSTEROIDS, adverse effects/
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PREGNANEDIONES, adverse effects/
REVIEW/ TIME FACTORS
685. Clarke WC: Sodium-retaining bioassay of prolactin in the intact teleost Tilapia mossambica acclimated to sea water. Gen Comp Endocrinol 21:498-512, Dec 73
ACCLIMATIZATION/ ANIMAL
EXPERIMENTS/ *BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ CORTICOTROPIN,
pharmacodynamics/ DEXAMETHASONE,
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isolation & purification/ PROLACTIN,
pharmacodynamics/ SEAWATER/ *SODIUM,
blood/ SOMATOTROPIN, pharmacodynamics/
STIMULATION, CHEMICAL
686. Clarke WC: Disc-electrophoretic identification of prolactin in the cichlid teleosts Tilapia and Cichlasoma and densitometric measurement of its concentration in Tilapia pituitaries during salinity transfer experiments. Can J Zool 51:687-95, Jul 73
ANIMAL EXPERIMENTS/ DENSITOMETRY/
ELECTROPHORESIS, DISC/ *FISHES, analysis/
*FISHES, physiology/ FRESH WATER/
PITUITARY GLAND, analysis/ *PROLACTIN,
analysis/ SEAWATER
687. Cleary RE, Young PC: Serum unconjugated estradiol in normal and abnormal pregnancy. Am J Obstet Gynecol 118:18-24, 1 Jan 74
ANEMIA, blood/ ANENCEPHALUS, blood/
*ESTRIOL, blood/ FEMALE/ FETAL DEATH,
blood/ HUMAN/ IMMUNE SERUMS/
*PREGNANCY/ PREGNANCY
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AUTHOR SECTION

- PREGNANCY IN DIABETES, blood/
RADIOIMMUNOASSAY/ SHEEP, immunology/
TIME FACTORS/ TRITIUM/ UMBILICAL
CORD
688. Clegg AS, Denny WA, Jones ER, et al: Microbiological hydroxylation of steroids. X. 1 beta, 11 alpha-dihydroxylation of 3 beta-hydroxy-5 alpha-pregnan-20-one and the hydroxylation of other 20-oxo-5 alpha-pregnanes with the fungus *Aspergillus ochraceus*. *J Chem Soc [Perkin I]* 19:2137-41, 1973
*ASPERGILLUS, metabolism/
HYDROXYLATION/ HYDROXYSTERIODS,
metabolism/ KETOSTEROIDS, metabolism/
METHODS/ *PREGNANES, metabolism
689. Clos J, Legrand J: Effects of thyroid deficiency on the different cell populations of the cerebellum in the young rat. *Brain Res* 63:450-5, 7 Dec 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ CELL DIFFERENTIATION/
CEREBELLUM, cytology/ CEREBELLUM,
growth & development/ *CEREBELLUM,
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pathology/ MICROSCOPY, ELECTRON/
*NEUROGLIA/ PROPYLTHIOURACIL/
*PURKINJE CELLS/ RATS
690. Clos J, Reblère A, Legrand J: Differential effects of hypothyroidism and undernutrition on the development of glia in the rat cerebellum. *Brain Res* 63:445-9, 7 Dec 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ *CELL DIFFERENTIATION/
*CEREBELLUM, growth & development/
CEREBELLUM, pathology/ DISEASE MODELS,
ANIMAL/ HYPOTHYROIDISM, chemically
induced/ *HYPOTHYROIDISM, pathology/
MICROSCOPY, ELECTRON/ *NEUROGLIA/
*NUTRITION DISORDERS, pathology/
PROPYLTHIOURACIL/ RATS
691. Closon J: L'hormonothérapie dans les cancers de la thyroïde et de la glande mammaire. *Rev Med Liege* 28:671-9, Oct 73 (Fre)
ADENOCARCINOMA, surgery/
ADRENALECTOMY/ BREAST NEOPLASMS,
surgery/ *BREAST NEOPLASMS, therapy/
CASTRATION/ *HORMONES, therapeutic use/
HUMAN/ HYPOPHYSECTOMY/
MASTECTOMY/ OVARY/ POSTOPERATIVE
CARE/ *THYROID HORMONES, therapeutic
use/ THYROID NEOPLASMS, surgery/
*THYROID NEOPLASMS, therapy/
THYROIDECTOMY
692. Coburn JW, Norman AW: Editorial: Role of the kidney in the metabolism of calciferol (vitamin D). *Clin Nephrol* 1:273-83, Sep-Oct 73 (87 ref.)
ANIMAL EXPERIMENTS/ BONE AND BONES,
drug effects/ CALCIUM, blood/ CALCIUM,
metabolism/ CHEMISTRY/ CHILD/
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blood/ *VITAMIN D, metabolism/ VITAMIN D,
pharmacodynamics/ VITAMIN D, therapeutic
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693. Coceani F: Prostaglandins and the central nervous system. *Arch Intern Med* 133:119-29, Jan 74 (128 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENYL CYCLASE, metabolism/
ANIMAL EXPERIMENTS/
ANTI-INFLAMMATORY AGENTS,
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PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, cerebrospinal fluid/
PROSTAGLANDINS, metabolism/
PROSTAGLANDINS, pharmacodynamics/
*PROSTAGLANDINS, physiology/
PROSTAGLANDINS, secretion/ REVIEW
694. Codega G, Codega O, Kuś H: Uwolnienie nerwu pośrodkowego w kanale nadgarstka w leczeniu choroby Kienbocka. *Pol Przegl Chir* 45:1409-13, Dec 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ MALE/ *MEDIAN NERVE, surgery/
METHODS/ MIDDLE AGE/ *OSTEOMALACIA/
*SEMILUNAR BONE/ *SPRAINS AND
STRAINS, surgery/ VASCULAR DISEASES/
WRIST, innervation/ *WRIST INJURIES,
surgery
695. Coffey RG: Comparison of circulating and peritoneal leukocyte cationic proteins in release of histamine from rat mast cells. *Life Sci* 13:1117-30, 16 Oct 73
AMINOPHYLLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ ASCITIC FLUID/
*BLOOD PROTEINS, physiology/
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pharmacodynamics/ MAST CELLS, drug
effects/ *MAST CELLS, metabolism/
OXALATES, pharmacodynamics/ PREDNISONE,
pharmacodynamics/ RABBITS/ RATS
696. Coffman JR: Bone and muscle defects in foals. *Mod Vet Pract* 54:53-4 passim, Dec 73
ANIMAL EXPERIMENTS/ BONE DISEASES,
DEVELOPMENTAL, blood/ BONE DISEASES,
DEVELOPMENTAL, drug therapy/ *BONE
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*MUSCULAR DISEASES, veterinary/
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OSTEOCHONDROITIS, blood/
OSTEOCHONDROITIS, drug therapy/
OSTEOCHONDROITIS, veterinary/ SPLINTS/
THYROXINE, therapeutic use
697. Cohen F, Jaffe BM: Production of prostaglandins by cells in vitro: radioimmunoassay measurement of the conversion of arachidonic acid to PGE₂ and PGF₂ alpha. *Biochem Biophys Res Commun* 55:724-9, 10 Dec 73
ANIMAL EXPERIMENTS/ *ARACHIDONIC
ACID, metabolism/ CARCINOMA, metabolism/
CELL LINE/ COLON, metabolism/
COMPARATIVE STUDY/ HELA CELLS,
metabolism/ HUMAN/ INDOMETHACIN,
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metabolism/ MICE/ ORGAN SPECIFICITY/
*PROSTAGLANDINS, biosynthesis/
RADIOIMMUNOASSAY/ RATS/ STOMACH,
drug effects/ STOMACH, metabolism/ TIME
FACTORS
698. Cohen J: Cross-overs, sperm redundancy and their close association. *Heredity (Lond)* 31:408-13, Dec 73

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ BODY WEIGHT/
CELL NUCLEUS, analysis/ CHROMOSOMES,
analysis/ COMPARATIVE STUDY/ *CROSSING
OVER (GENETICS)/ DNA, analysis/
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PUBERTY/ REGRESSION ANALYSIS/
SPECIES SPECIFICITY/ SPERMATOOA,
analysis/ SPERMATOOA, cytology/
*SPERMATOOA, metabolism
699. Cohen J, Poinsard A, Scherrer R: Physico-chemical and morphological features of Infectious pancreatic necrosis virus. *J Gen Virol* 21:485-98, Dec 73
CARBON RADIOISOTOPES/ CELL LINE/
CENTRIFUGATION, DENSITY GRADIENT/
CHROMATOGRAPHY, THIN LAYER/
ELECTROPHORESIS, POLYACRYLAMIDE
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*PICORNAVIRUS/ PICORNAVIRUS, analysis/
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PICORNAVIRUS, isolation & purification/
PLAQUE ASSAY/ RIBONUCLEASE/ RNA,
VIRAL, analysis/ SALMONIDAE/ STAINS
AND STAINING/ URIDINE/ VIRAL
PROTEINS, analysis
700. Cohen M, Cohen H: A radioimmunoassay for plasma unconjugated estrogens in normal pregnancy. *Am J Obstet Gynecol* 118:200-9, 15 Jan 74
ALCOHOL, METHYL/ ANTIBODY
SPECIFICITY/ CATTLE/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
GAS/ COMPARATIVE STUDY/ CROSS
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blood/ PROTEIN BINDING/ RABBITS/
*RADIOIMMUNOASSAY/ TEMPERATURE/
TESTOSTERONE, blood/ TIME FACTORS/
TRITIUM/ WATER
701. Cohen MP, Palutke WA: Gonadal dysgenesis: report of a case with biochemical, histochemical and chromosomal observations. *Am J Clin Pathol* 60:805-10, Dec 73
ADOLESCENCE/ AORTA, metabolism/
AUTOPSY/ BLOOD VESSELS, metabolism/
CEREBRAL HEMORRHAGE, complications/
CHONDROITIN, metabolism/ CYTOGENETICS/
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KARYOTYPING/ LEUKOCYTES/
*MUCOPOLYSACCHARIDES, metabolism/ SEX
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metabolism/ SULFUR RADIOISOTOPES/
*TURNER'S SYNDROME, metabolism/
TURNER'S SYNDROME, pathology/ URONIC
ACIDS, metabolism
702. Cohen RS, Creighton RE, Nisbet HI, et al: The effects of Althesin on cerebral blood flow and intracranial pressure. *Can Anaesth Soc J* 20:754-6, Nov 73
*ANESTHESIA, INTRAVENOUS/
*ANESTHETICS/ ANIMAL EXPERIMENTS/
*CEREBROVASCULAR CIRCULATION, drug
effects/ DOGS/ DRUG COMBINATIONS/
HEMODYNAMICS/ HYDROXYSTERIODS,
pharmacodynamics/ *INTRACRANIAL
PRESSURE, drug effects/
PREGNANEDIONES, pharmacodynamics
703. Cohen RS, Nisbet HI, Creighton RE, et al: The effects of hypoxaemia on cerebral blood flow and cerebrospinal fluid pressure in dogs anaesthetized with Althesin, pentobarbitone and methoxyflurane. *Can Anaesth Soc J* 20:757-62, Nov 73
*ANESTHETICS/ ANIMAL EXPERIMENTS/
*ANOXEMIA, pathophysiology/ BLOOD/
BLOOD PRESSURE, drug effects/ CARDIAC
OUTPUT, drug effects/ *CEREBROVASCULAR
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*INTRACRANIAL PRESSURE, drug effects/
*METHOXYFLURANE, pharmacodynamics/
OXYGEN, blood/ OXYGEN CONSUMPTION/
*PENTOBARBITAL, pharmacodynamics/
*PREGNANEDIONES, pharmacodynamics
704. Cohen SR: Arythenoidectomy in children. *Laryngoscope* 83:1293-9, Aug 73
ADOLESCENCE/ AIRWAY OBSTRUCTION,
congenital/ AIRWAY OBSTRUCTION, etiology/
AIRWAY OBSTRUCTION, surgery/
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*CARTILAGE, ARTICULAR, surgery/ CHILD/
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congenital/ VOCAL CORD PARALYSIS,
diagnosis/ VOCAL CORD PARALYSIS,
etiology/ VOCAL CORD PARALYSIS, familial
& genetic
705. Cohn J: Indicele de pericolitate, factor de obiectivizare a dispensarizării copilului 0-1 an. *Pediatria (Bucur)* 22:349-55, Jul-Aug 73 (Rum)
ABNORMALITIES, therapy/ BRAIN DISEASES,
therapy/ *CHILD, HOSPITALIZED/ ENGLISH
ABSTRACT/ *HOSPITALIZATION/ HUMAN/
INFANT/ INFANT, NEWBORN/ INFANT
NUTRITION DISORDERS, therapy/ INFANT,
PREMATURITY, DISEASES, therapy/
PROBABILITY/ RICKETS, therapy/
TUBERCULOSIS IN CHILDHOOD, therapy
706. Colburn WA, Buller RH: Radioimmunoassay for methylprednisolone (Medrol). *Steroids* 22:687-98, Nov 73
ADMINISTRATION, ORAL/ ADRENAL
GLANDS, drug effects/ ADRENAL GLANDS,
metabolism/ CATTLE/ COMPARATIVE
STUDY/ CROSS REACTIONS/
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immunology/ RADIOIMMUNOASSAY/ SERUM
ALBUMIN, BOVINE/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TIME FACTORS/ TRITIUM
707. Colby HD, Wiltorsch RJ, Caffrey JL, et al: Effects of steroid suppression and gonadectomy on adrenal 5alpha-reductase activity and corticosterone production in rats. *Acta Endocrinol (Kbb)* 74:568-75, Nov 73
*ADRENAL CORTEX HORMONES, metabolism/
ADRENAL GLANDS, drug effects/ ADRENAL
GLANDS, enzymology/ *ADRENAL GLANDS,
metabolism/ ANIMAL EXPERIMENTS/
*CASTRATION/ *CORTICOSTERONE,
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OVARY, physiology/ *OXIDOREDUCTASES,
metabolism/ PUBERTY/ RATS/ SEX
FACTORS/ STIMULATION, CHEMICAL/
TESTIS, physiology
708. Cole DF, Unger WG: Prostaglandins as mediators for the responses of the eye to trauma. *Exp Eye Res* 17:357-68, 25 Nov 73
ANIMAL EXPERIMENTS/ AQUEOUS HUMOR,
analysis/ BIOLOGICAL ASSAY/ *EYE
INJURIES, metabolism/ FEMALE/
INDOMETHACIN/ INTRAOCULAR PRESSURE/
MALE/ METHODS/ PHYSICAL
STIMULATION/ *PROTAGLANDINS, analysis/
PUPIL/ RABBITS/ STIMULATION,
CHEMICAL/ TIME FACTORS/ TRIGEMINAL
NERVE
709. Cole DF, Unger WG: Proceedings: The involvement of prostaglandin in ocular trauma. *Exp Eye Res* 17:395, 25 Nov 73
ANIMAL EXPERIMENTS/ *EYE INJURIES,
metabolism/ INTRAOCULAR PRESSURE/
PHYSICAL STIMULATION/
*PROTAGLANDINS, metabolism/ PUPIL,

AUTHOR SECTION

- metabolism/ RABBITS/ STIMULATION, CHEMICAL
710. Cole P: Proceedings: Hypotheses regarding the etiology of breast cancer. Proc Natl Cancer Conf 7:657-61, 1973 (27 ref.) ANDROGENS, secretion/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, familial & genetic/ ESTROGENS, secretion/ FEMALE/ GENES/ HUMAN/ LACTATION/ MATERNAL AGE/ MILK, HUMAN, microbiology/ NEOPLASMS, MULTIPLE PRIMARY, familial & genetic/ ONCOGENIC VIRUSES/ OVULATION/ PARITY/ PREGNANCY/ PROGESTERONE, secretion/ PROLACTIN, secretion/ REVIEW/ RNA, VIRAL/ VIRUS DISEASES
711. Collard M, Collard P: Etude radiologique, microradiographique et anatomique des calcifications intra-cranienues considerees comme "normales" en radiodiagnostic. J Belge Radiol 56:291-6, Jul-Aug 73 (Fre) AGED/ AGING/ *BRAIN DISEASES, radiography/ *CALCINOSIS, radiography/ CHOROID PLEXUS, blood supply/ ENGLISH ABSTRACT/ HUMAN/ MICRORADIOGRAPHY/ MIDDLE AGE/ PINEAL BODY, blood supply
712. Collard ME, Chen CS: Effect of ethanol on growth of neonate mice as a function of modes of ethanol administration. Q J Stud Alcohol 34:1323-6, Dec 73 *ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ ATMOSPHERE EXPOSURE CHAMBERS/ BODY WEIGHT, drug effects/ FEMALE/ *GROWTH, drug effects/ HANDLING (PSYCHOLOGY)/ INJECTIONS, INTRAPERITONEAL/ LACTATION, drug effects/ MALE/ MATERNAL BEHAVIOR, drug effects/ MICE/ MICE, INBRED BALB C/ PREGNANCY
713. Collier JG: Proceedings: New dialysis technique for the continuous measurement of the concentration of vasoactive hormones. Br J Pharmacol 44:383P, Feb 72 *ADENOSINE, blood/ ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ BLOOD PROTEINS, metabolism/ BRADYKININ, blood/ DIALYSIS/ DOGS/ METHODS/ *NOREPINEPHRINE, blood/ *OXYTOCIN, blood/ *PROSTAGLANDINS, blood/ PROTEIN BINDING/ *SEROTONIN, blood
714. Collier JG, Dawney NA, Nachev C, et al: Clinical investigation of an antagonist at alpha- and beta-adrenoceptors-AH5158A. Br J Pharmacol 44:286-93, Feb 72 *ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANGIOTENSIN II, pharmacodynamics/ ARM, blood supply/ ASCORBIC ACID, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BRADYKININ, pharmacodynamics/ BUTYLAMINES, pharmacodynamics/ *ETHANOLAMINES, pharmacodynamics/ EXERTION/ HAND, blood supply/ HEART RATE, drug effects/ HISTAMINE, pharmacodynamics/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PLETHYSMOGRAPHY/ POSTURE/ PROPRANOLOL, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ REGIONAL BLOOD FLOW, drug effects/ SALICYLAMIDES, pharmacodynamics/ SEROTONIN, pharmacodynamics/ VASOCONSTRICTOR AGENTS, pharmacodynamics/ VEINS, drug effects
715. Collier JG, Karim SM, Robinson B, et al: Proceedings: Action of prostaglandins A2, B-1, E2 and F2 alpha on superficial hand veins of man. Br J Pharmacol 44:374P-375P, Feb 72 *HAND, blood supply/ HAND, drug effects/ HUMAN/ NOREPINEPHRINE, pharmacodynamics/ PAIN/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *VASOCONSTRICTOR AGENTS/ *VASODILATOR AGENTS/ *VEINS, drug effects
716. Collignon P: L'Insuffisance cardiaque au cours des hyperthyroides. Rev Med Liege 28:599-601, 1 Sep 73 (Fre) ADULT/ AGED/ ARRHYTHMIA, etiology/ FEMALE/ *HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ *HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE
717. Collin JP, Meinel A: Metabolisme des indolamines dans l'organe pinéal de Lacerta (reptiles, lacertiliens). I. Integration sélective de 5-HTP-3H (5-hydroxytryptophane-3H) et rétention de ses dérivés dans les photorécepteurs rudimentaires sécrétoires. Z Zellforsch Mikrosk Anat 142:549-70, 1973 (Fre) ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ *HYDROXYTRYPTOPHAN, metabolism/ *LIZARDS, metabolism/ MALE/ PHOTORECEPTORS, metabolism/ *PINEAL BODY, metabolism/ TIME FACTORS/ TRITIUM
718. Collins E, Turner G: The Noonan syndrome--a review of the clinical and genetic features of 27 cases. J Pediatr 83:941-50, Dec 73 *ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CRANIOFACIAL DYSOSTOSIS, familial & genetic/ CRYPTORCHISM, familial & genetic/ DERMATOGLYPHICS/ FACE/ FEMALE/ GROWTH DISORDERS, familial & genetic/ *HEART DEFECTS, CONGENITAL, familial & genetic/ HUMAN/ MALE/ MENTAL RETARDATION, familial & genetic/ MIDDLE AGE/ PEDIGREE/ PHENOTYPE/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX DIFFERENTIATION DISORDERS, diagnosis/ *SEX DIFFERENTIATION DISORDERS, familial & genetic/ SEX FACTORS/ SYNDROME
719. Collins JA, Jewkes DM: Progesterone metabolism by proliferative and secretory human endometrium. Am J Obstet Gynecol 118:179-85, 15 Jan 74 CARBON RADIOISOTOPES/ CHEMISTRY/ ENDOMETRIUM, cytology/ *ENDOMETRIUM, metabolism/ ENDOMETRIUM, secretion/ HUMAN/ PREGNANEDIONES, metabolism/ PROGESTERONE, administration & dosage/ PROGESTERONE, analysis/ *PROGESTERONE, metabolism/ TIME FACTORS
720. Collins M, Palmer GC, Baca G, et al: Stimulation of cyclic AMP in the isolated perfused rat lung. Res Commun Chem Pathol Pharmacol 6:805-12, Nov 73 *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHLORPROMAZINE/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ LUNG, drug effects/ *LUNG, metabolism/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PERFUSION/ PROPRANOLOL, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRIPELENNAMINE, pharmacodynamics
721. Collins ZV, Arnold PF, Peetoom F, et al: A naturally occurring monospecific anti-HL-A8 isoantibody. Tissue Antigens 3:358-63, 1973 ADULT/ CHRONIC DISEASE/ COMPLEMENT FIXATION TESTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ GEL FILTRATION/ HEMADSORPTION/ *HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ IMMUNOELECTROPHORESIS/

AUTHOR SECTION

- *ISOANTIBODIES, analysis/ *LYMPHOCYTES, immunology/ *RESPIRATORY TRACT INFECTIONS, immunology/ SPECTROPHOTOMETRY/ TEMPERATURE/ *THYROIDITIS, immunology/ TIME FACTORS
722. Colodro I, Norero C: Metabolismo del calcio. Rev Med Chil 101:330-8, Apr 73 (Spa)
*CALCIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN
723. Colombo JA, Hillard J, Sawyer CH: Serum estradiol and progesterone concentrations in ovariectomized estrogen- and progesterone-primed and PMS-hCG-treated rats. Proc Soc Exp Biol Med 144:999-1001, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, administration & dosage/ *ESTRADIOL, blood/ ESTROGENS, pharmacodynamics/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ *GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ PROGESTERONE, administration & dosage/ *PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS
724. Colombo JA, Sawyer CH: Pituitary LH response to LHRH in rats after treatment with PMS-hCG or ovariectomy followed with estrogen and progesterone. Proc Soc Exp Biol Med 144:1002-5, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, administration & dosage/ *ESTROGENS, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, administration & dosage/ *GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ LH, analysis/ LH, blood/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *OVARY, physiology/ PITUITARY GLAND, analysis/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PROLACTIN, analysis/ RATS
725. Colombo ML, Dogliani P, Bona G: La sindrome di Ullrich-Turner in età neonatale. Minerva Pediatr 25:1421-7, 6 Oct 73 (Ita)
ABNORMALITIES, MULTIPLE, diagnosis/ *DWARFISM, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ RADIOISOTOPE SCANNING/ *TURNER'S SYNDROME, diagnosis/ UROGENITAL SYSTEM, abnormalities
726. Conaway HH, Anast CS: Double-antibody radioimmunoassay for parathyroid hormone. J Lab Clin Med 83:129-38, Jan 74
ADOLESCENCE/ ADULT/ AGED/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ CHILD/ FEMALE/ GEL FILTRATION/ GUINEA PIGS, immunology/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, surgery/ HYPERPARATHYROIDISM, SECONDARY, blood/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ METHODS/ MIDDLE AGE/ *PARATHYROID HORMONE, analysis/ RABBITS, immunology/ *RADIOIMMUNOASSAY
727. Concolino G, Marocchi A, Sclarra F, et al: Metabolism of testosterone and dihydrotestosterone in the hirsute female. Folia Endocrinol (Roma) 26:293-307, Aug 73
ADULT/ BINDING, COMPETITIVE/ FEMALE/ FSH, blood/ *HIRSUTISM, metabolism/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ LH, blood/ PROTEIN BINDING/ *STANOLONE, metabolism/ *TESTOSTERONE, metabolism/ VIRILISM, metabolism
728. Concolino G, Marocchi A, Sorcini G, et al: Rilievi sulla conversione ematica del testosterone in diidrotestosterone nei soggetti ipogonadici. Folia Endocrinol (Roma) 26:268-80, Aug 73 (Ita)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ FSH, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOGONADISM, metabolism/ 17-KETOSTEROIDS, urine/ LH, urine/ MALE/ *STANOLONE, biosynthesis/ STANOLONE, blood/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism
729. Conn FW, Mast TE: Adrenal insufficiency and electrophysiological measures of auditory sensitivity. Am J Physiol 225:1430-6, Dec 73
*ACOUSTIC NERVE, physiology/ ACTION POTENTIALS/ ADRENAL GLAND HYPOFUNCTION, chemically induced/ *ADRENAL GLAND HYPOFUNCTION, physiopathology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *AUDITORY PERCEPTION/ *BRAIN STEM, physiology/ CHINCHILLAS/ *COCHLEA, physiology/ COCHLEAR NERVE/ DISCRIMINATION/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ INFERIOR COLLICULUS, physiology/ METYRAPONE/ RATS/ RECEPTORS, NEURAL
730. Connor J, Fine J, Kusano K, et al: Potentiation by endotoxin of responses associated with increases in calcium conductance. Proc Natl Acad Sci USA 70:3301-4, Dec 73
*ACTION POTENTIALS, drug effects/ *CALCIUM, metabolism/ CRAYFISH/ ELECTRIC STIMULATION/ *ENDOTOXINS, pharmacodynamics/ LOBSTERS/ *MUSCLE CONTRACTION, drug effects/ MUSCLES, metabolism/ RANA PIPIENS/ SQUID/ *SYNAPSES, drug effects/ SYNAPSES, metabolism
731. Cooke AR, Klenzle MG: Studies of anti-inflammatory drugs and aliphatic alcohols on antral mucosa. Gastroenterology 66:56-62, Jan 74
ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOL, METHYL, pharmacodynamics/ ALCOHOL, PROPYL, pharmacodynamics/ *ALCOHOLS, pharmacodynamics/ ALCOHOLS, BUTYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CHLORIDES, metabolism/ CORTISONE, pharmacodynamics/ DOGS/ *GASTRIC MUCOSA, drug effects/ GLUCOSE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ HYPERTONIC SOLUTIONS/ INDOMETHACIN, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ PHENYLBUTAZONE, pharmacodynamics/ POTASSIUM, metabolism/ *PYLORIC ANTRUM, drug effects/ SODIUM, metabolism
732. Cooke CW: Contraceptive usage among teenagers. J Am Med Assoc 28:639-40 passim, Dec 73
ABORTION, INDUCED/ ADOLESCENCE/ *CONTRACEPTIVES, ORAL/ DRUG UTILIZATION/ FAMILY PLANNING/ FEMALE/ FOLLOW-UP STUDIES/ HOSPITAL OUTPATIENT CLINICS/ HOSPITALS, GENERAL/ HUMAN/ *INTRAUTERINE DEVICES/ PENNSYLVANIA/ POSTNATAL CARE/ PREGNANCY/ PREGNANCY, UNWANTED/ PRENATAL CARE/ SOCIOECONOMIC FACTORS/ STATISTICS
733. Cools AR: Chemical and electrical stimulation of the caudate nucleus in freely moving cats: the role of dopamine. Brain Res 58:437-51, 30 Aug 73
ANIMAL EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ CATS/ *CAUDATE NUCLEUS, drug

AUTHOR SECTION

- effects/ CAUDATE NUCLEUS, physiology/
CORPUS STRIATUM, physiology/ *DOPAMINE,
pharmacodynamics/ ELECTRIC STIMULATION/
HALOPERIDOL, pharmacodynamics/
INTERNEURONS, physiology/ MALE/
METHYLTYROSINES, pharmacodynamics/
NEURAL INHIBITION, drug effects/ NEURAL
INTERCONNECTIONS, physiology/
NOREPINEPHRINE, pharmacodynamics/
PROCAINE, pharmacodynamics/ SEROTONIN,
pharmacodynamics/ SUBSTANTIA NIGRA,
physiology/ TYRAMINE, pharmacodynamics
734. Cooper A: An analysis of the possible source of
contractile forces in striated muscle.
J Theor Biol 42:545-62, Dec 73
ACTIN, metabolism/ ADENOSINE
TRIPHOSPHATE, metabolism/ BINDING
SITES/ CALCIUM, metabolism/ HYDROLYSIS/
KINETICS/ *MODELS, BIOLOGICAL/
*MUSCLE CONTRACTION/ MUSCLES,
metabolism/ *MUSCLES, physiology/ MYOSIN,
metabolism/ THERMODYNAMICS
735. Cooper AF, Schapira K: Case report: depression,
catatonic stupor, and EEG changes in
hyperparathyroidism. Psychol Med 3:509-15, Nov 73
CALCIUM, blood/ *CATATONIA,
complications/ CATATONIA, etiology/
*DEPRESSION, complications/ DEPRESSION,
etiology/ DIAGNOSIS, DIFFERENTIAL/
*ELECTROENCEPHALOGRAPHY/ FEMALE/
HUMAN/ HYPERCALCEMIA, complications/
HYPERCALCEMIA, diagnosis/
*HYPERPARATHYROIDISM, complications/
HYPERPARATHYROIDISM, diagnosis/ MIDDLE
AGE
736. Cooper GM, Greer S: The effect of inhibition of cytidine
deaminase by tetrahydrouridine on the utilization of
deoxycytidine and 5-bromodeoxycytidine for
deoxyribonucleic acid synthesis.
Mol Pharmacol 9:698-703, Nov 73
ADENOCARCINOMA, metabolism/
*AMINOHYDROLASES, antagonists &
inhibitors/ ANIMAL EXPERIMENTS/ BONE
MARROW, metabolism/ BROMINE,
metabolism/ CYTIDINE/ DEOXYCYTIDINE,
metabolism/ DEOXYCYTIDINE, toxicity/
*DEOXYRIBONUCLEOSIDES, metabolism/
DEOXYRIBIDINE, metabolism/ *DNA,
biosynthesis/ DNA, NEOPLASM, biosynthesis/
FEMALE/ FLUORINE, toxicity/ INTESTINE,
SMALL, metabolism/ LYMPHOMA,
metabolism/ MALE/ MAMMARY NEOPLASMS,
EXPERIMENTAL, metabolism/ MICE/ MICE,
INBRED BALB C/ MICE, INBRED C3H/
NEOPLASMS, EXPERIMENTAL, metabolism/
SPLEEN, metabolism/ TESTIS, metabolism/
TRITIUM/ *URIDINE, pharmacodynamics
737. Cooper PR, Budzilovich GN, Berczeller PH, et al:
Metastatic glioma associated with hypercalcemia.
Report of two cases. J Neurosurg 40:255-9, Feb 74
ADULT/ ASTROCYTOMA, complications/
ASTROCYTOMA, pathology/ BONE
NEOPLASMS, complications/ *BRAIN
NEOPLASMS, complications/ BRAIN
NEOPLASMS, pathology/ BRAIN NEOPLASMS,
surgery/ CASE REPORT/ EPENDYMOMA,
complications/ FEMALE/ *GLIOMA,
complications/ GLIOMA, surgery/ HUMAN/
*HYPERCALCEMIA, complications/
INTRACRANIAL PRESSURE/ MALE/ MIDDLE
AGE/ NEOPLASM METASTASIS
738. Coppen A, Eccleston E, Craft I, et al: Letter: Total and
free plasma-tryptophan concentration and oral
contraception. Lancet 2:1498, 29 Dec 73
BRAIN, metabolism/ *CONTRACEPTIVES,
ORAL, adverse effects/ CONTRACEPTIVES,
ORAL, pharmacodynamics/ DEPRESSION,
blood/ DEPRESSION, chemically induced/
DEPRESSION, etiology/ DEPRESSION,
metabolism/ FEMALE/ HUMAN/ PYRIDOXINE
DEFICIENCY, complications/ TRYPTOPHAN,
biosynthesis/ *TRYPTOPHAN, blood/
TRYPTOPHAN, metabolism
739. Corbel MJ, Pepin GA, Millar PG: The serological
response to *Aspergillus fumigatus* in experimental
mycotic abortion in sheep.
J Med Microbiol 6:539-48, Nov 73
ABORTION, immunology/ *ABORTION,
microbiology/ ANIMAL EXPERIMENTS/
ANTIBODIES, FUNGAL/ ANTIGENS,
FUNGAL/ ASPERGILLOSIS, immunology/
*ASPERGILLUS FUMIGATUS, immunology/
COMPLEMENT FIXATION TESTS/ DISEASE
MODELS, ANIMAL/ FEMALE/ GEL
DIFFUSION TESTS/
IMMUNOELECTROPHORESIS/ PLACENTA
DISORDERS, diagnosis/ PRECIPITIN TESTS/
PREGNANCY/ SERODIAGNOSIS/ SHEEP/
SPORES, FUNGAL/ TIME FACTORS
740. Corbit JD, Ernits T: Specific preference for
hypothalamic cooling.
J Comp Physiol Psychol 86:24-7, Jan 74
ANIMAL EXPERIMENTS/ BEHAVIOR,
ANIMAL/ *BODY TEMPERATURE/ BODY
TEMPERATURE REGULATION/ *COLD/
*HYPOTHALAMUS, physiology/ MALE/
MOTIVATION/ RATS/ REINFORCEMENT
(PSYCHOLOGY)
741. Corcelle L: Auge und Pille.
Klin Monatsbl Augenheilkd 163:204-II, Aug 73 (Ger)
BLOOD PRESSURE/ CATARACT, chemically
induced/ *CONTRACEPTIVES, ORAL, adverse
effects/ ENGLISH ABSTRACT/
EXOPHTHALMOS, chemically induced/ *EYE
DISEASES, chemically induced/ FEMALE/
GLAUCOMA, chemically induced/ HUMAN/
MIGRAINE, chemically induced/ MYOPIA,
chemically induced/ NEURITIS, chemically
induced/ OPTIC NERVE/ PSEUDOTUMOR
CEREBRI, chemically induced/ RETINAL
ARTERY/ RETINITIS, chemically induced/
THROMBOSIS, chemically induced
742. Corns MD, Corns CM, Miller AL, et al: A comparison of a
manual and a simple automated technique for the
estimation of total oestrogens in pregnancy urine.
Clin Chim Acta 48:335-40, 30 Oct 73
AUTOANALYSIS/ COMPARATIVE STUDY/
*ESTRADIOL, urine/ *ESTRIOL, urine/
*ESTRONE, urine/ EVALUATION STUDIES/
FEMALE/ GLUCURONATES, analysis/
HUMAN/ HYDROCHLORIC ACID/
HYDROLYSIS/ METHODS/ *PREGNANCY/
SULFURIC ACIDS
743. Corriere JN Jr, Lipshultz LI, Wallach EE, et al:
Bacteriuria in young women. Effect of estrogen,
progestogen, and estrogen-progestogen combination.
Urology 2:539-41, Nov 73
ADOLESCENCE/ ADULT/ BACTERIURIA,
etiology/ *BACTERIURIA, occurrence/
CLINICAL RESEARCH/ COITUS/
*CONTRACEPTIVES, ORAL,
pharmacodynamics/ DRUG COMBINATIONS/
ESCHERICHIA COLI INFECTIONS,
occurrence/ *ETHYNODIOL DIACETATE,
pharmacodynamics/ FEMALE/ HUMAN/
INTRAUTERINE DEVICES/ KLEBSIELLA
INFECTIONS, occurrence/ *MESTRANOL,
pharmacodynamics/ PENNSYLVANIA/
PLACEBOS/ URINARY TRACT, drug effects
744. Cort JH: Synthetic and natural polypeptides related to
the pituitary and their natriuretic activity in animals
and man. Acta Cardiol (Brux) Suppl 17:219-2, 1973
AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ CATS/ CATTLE/
*NATRIURESIS/ NEUROPHYSINS, analysis/
*PEPTIDES, analysis/ PITUITARY GLAND,
POSTERIOR, metabolism/ *PITUITARY
GLAND, POSTERIOR, physiology/ PITUITARY
HORMONES, POSTERIOR, analysis/
*PITUITARY HORMONES, POSTERIOR,
physiology/ RATS
745. Courtney MA, Moreau GP: Microinjections of 86Rb: a
study of reduced renal potassium absorption in the
rat. Am J Physiol 225:1529-34, Dec 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/ CHLORINE/
DIURESIS/ FEMALE/ FUROSEMIDE,
pharmacodynamics/ *KIDNEY, physiology/

AUTHOR SECTION

- LOOP OF HENLE, physiology/ MANNITOL, pharmacodynamics/ MICROINJECTIONS/ *POTASSIUM, metabolism/ POTASSIUM, urine/ POTASSIUM CHLORIDE, pharmacodynamics/ RADIOISOTOPES/ RATS/ *RUBIDIUM/ SODIUM CHLORIDE, pharmacodynamics/ SODIUM ISOTOPES
746. Corvoi P, Bisselches F, Alexandre JM, et al: Poussées hypertensives déclenchées par le sulpride (dogmatil. Ann Med Interne (Paris) 124:647-9, Aug-Sep 73 (Fre) ADULT/ AGED/ CATECHOLAMINES, urine/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ LAPAROTOMY/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, diagnosis/ PLACEBOS/ *SULPIRIDE, adverse effects/ SULPIRIDE, therapeutic use/ VANILMANDELIC ACID, urine
747. Coscia AM, Fielscher N, Besch PK, et al: The effect of synthetic luteinizing hormone-releasing factor on plasma LH levels in pituitary disease. J Clin Endocrinol Metab 38:83-8, Jan 74 ADOLESCENCE/ ADULT/ AGED/ FEMALE/ HUMAN/ *HYPOGONADISM, blood/ *HYPOPITUITARISM, blood/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, blood/ TIME FACTORS
748. Costa A: Epidemiology of endemic goitre in Piedmont (Italy). Acta Endocrinol [Suppl] (Khh) 19-20, 1973 ACUTE DISEASE/ ADOLESCENCE/ ADULT/ BREAD/ CHILD/ CRETINISM, occurrence/ DEAF-MUTISM, occurrence/ DISEASE OUTBREAKS/ EGGS/ FEMALE/ FOOD ANALYSIS/ GOITER, ENDEMIC, diagnosis/ *GOITER, ENDEMIC, occurrence/ HUMAN/ IODINE, analysis/ ITALY/ MALE/ MILK/ RURAL POPULATION/ SEASONS/ WATER SUPPLY
749. Costa JL, Reese TS, Murphy DL: Serotonin storage in platelets: estimation of storage-packet size. Science 183:537-8, 8 Feb 74 ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, analysis/ BLOOD PLATELETS, cytology/ CATS/ HUMAN/ ORGANIDS, analysis/ *SEROTONIN, blood
750. Costa M da G, Mota A, Ferreira NC, et al: Síndrome de de Toni-Dehré-Fanconi secundário a cistinose. Estudo de um caso clínico. Rev Port Pediatr 4:86-98, Jan 73 (Por) *CYSTINOSIS, complications/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ *FANCONI SYNDROME, etiology/ FEMALE/ HUMAN/ INFANT
751. Costall B, Naylor RJ: The role of telencephalic dopaminergic systems in the mediation of apomorphine-stereotyped behaviour. Eur J Pharmacol 24:8-24, Oct 73 AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ *APOMORPHINE, pharmacodynamics/ *BEHAVIOR, ANIMAL, drug effects/ CAUDATE NUCLEUS, physiology/ CORPUS STRIATUM, physiology/ *DOPAMINE, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROCOAGULATION/ ELECTRODES, IMPLANTED/ GLOBUS PALLIDUS, physiology/ HYPOTHALAMUS, physiology/ LIMBIC SYSTEM, physiology/ MALE/ RATS/ STEREOTYPED BEHAVIOR, drug effects/ TELECEPHALON, anatomy & histology/ *TELECEPHALON, physiology/ THALAMUS, physiology/ TIME FACTORS
752. Côté GB: On the origin of 46,XX and 47,XXY males, 46,XY females and the position of the Xg locus. Ann Hum Genet 37:21-30, Jul 73 *BLOOD GROUPS/ CELL DIVISION/ *CHROMOSOME MAPPING/ CHROMOSOMES/ CROSSING OVER (GENETICS)/ FEMALE/ GENES, DOMINANT/ GENES, RECESSIVE/ HUMAN/ KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MEIOSIS/ OVARY, cytology/ OVUM/ PROBABILITY/ RECOMBINATION, GENETIC/ *SEX CHROMOSOME ABNORMALITIES, familial & genetic/ SEX CHROMOSOMES/ TURNER'S SYNDROME, familial & genetic
753. Cotterill JA, Hughes JP, Day JL, et al: The Cronkhite-Canada syndrome. Postgrad Med J 49:268-73, Apr 73 BARIUM SULFATE, diagnostic use/ DIARRHEA, complications/ GASTRECTOMY/ *GASTROINTESTINAL NEOPLASMS, complications/ HUMAN/ JEJUNUM, pathology/ MALE/ MIDDLE AGE/ NAILS/ POLYPS, complications/ *POLYPS, complications/ PREDNISONE, therapeutic use/ RECTUM, pathology/ REMISSION/ *SKIN DISEASES, complications/ STOMACH, pathology/ STOMACH NEOPLASMS, complications/ SYNDROME
754. Cottrell GA, Twarog BM: Proceedings: Active factors in the venom duct of Conus californicus. Br J Pharmacol 44:365P-366P, Feb 72 ANIMAL EXPERIMENTS/ GEL FILTRATION/ MOLLUSCA/ MUSCLE CONTRACTION, drug effects/ *MUSCLES, drug effects/ MUSCLES, physiology/ MUSSELS/ NEURAL TRANSMISSION, drug effects/ SEROTONIN, pharmacodynamics/ *SNAILS/ *VENOMS, pharmacodynamics
755. Courpron P, Meunier P, Edouard C, et al: Données histologiques quantitatives sur le vieillissement osseux humain. Rev Rhum Mal Osteoartic 40:469-83, Jul-Sep 73 (Fre) ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *AGING/ AUTOANALYSIS/ BIOPSY/ *BONE AND BONES, anatomy & histology/ BONE DEVELOPMENT/ BONE RESORPTION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ ILIUM/ MALE/ MIDDLE AGE/ SEX FACTORS
756. Cousins CL, Thiel CC, Westgarth DR, et al: Further short-term studies of the influence of the milking machine on the rate of new mastitis infections. J Dairy Res 40:289-92, Jun 73 ANIMAL EXPERIMENTS/ CATTLE/ *DAIRYING, instrumentation/ FEMALE/ LACTATION/ *MASTITIS, BOVINE, etiology/ MILK, secretion/ PREGNANCY/ RHEOLOGY/ TIME FACTORS/ *UDDER, microbiology/ UDDER, physiology
757. Cousins MJ, Mazze RI: Anaesthesia, surgery and renal function: Immediate and delayed effects. Anaesth Intensive Care 1:355-73, Aug 73 (113 ref.) ALDOSTERONE, physiology/ ANESTHESIA, INHALATION/ ANESTHETICS, adverse effects/ *ANESTHETICS, pharmacodynamics/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, physiology/ GLOMERULAR FILTRATION RATE/ HOMEOSTASIS/ HUMAN/ INFUSIONS, PARENTERAL/ KIDNEY, blood supply/ KIDNEY, drug effects/ KIDNEY, innervation/ *KIDNEY, physiology/ KIDNEY DISEASES, chemically induced/ METHOXYFLURANE, metabolism/ METHOXYFLURANE, poisoning/ NOREPINEPHRINE, physiology/ REGIONAL BLOOD FLOW, drug effects/ RENIN, physiology/ REVIEW/ *SURGERY, OPERATIVE/ VASOPRESSIN, physiology/ VASOPRESSIN, secretion
758. Coutinho A, Möller G: Mitogenic properties of the thymus-independent antigen pneumococcal polysaccharide S3. Eur J Immunol 3:608-13, Oct 73 ANTIBODY FORMATION/ ANTIGENS/ CONCAVALIN A/ CORTISONE, pharmacodynamics/ DIPLOCOCCUS PNEUMONIAE/ *DNA, biosynthesis/ ERYTHROCYTES, immunology/ HEMOLYTIC PLAQUE TECHNIQUE/ IMMUNE TOLERANCE/ *LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES, immunology/ *MITOGENS/ *POLYSACCHARIDES, BACTERIAL, pharmacodynamics/ SHEEP,

AUTHOR SECTION

- Immunology/ SPLEEN, cytology/ THYMUS GLAND, cytology/ TUBERCULIN
759. Cowan A, Whittle BA: Proceedings: Inability of antidepressants and morphine to reverse reserpine-induced hypothermia in adrenalectomized mice. *Br J Pharmacol* 44:353P-354P, Feb 72
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/
*ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BODY TEMPERATURE, drug effects/ DESIPRAMINE, pharmacodynamics/ MALE/ MICE/
*MORPHINE, pharmacodynamics/ *RESERPINE, pharmacodynamics
 760. Coy DH, Coy EJ, Hirotsu Y, et al: Synthesis and biological properties of (2-L-heta-(pyrazolyl-3)alanine)-luteinizing hormone-releasing hormone. *J Med Chem* 17:140-2, Jan 74
ALANINE, chem synthesis/ ALANINE, pharmacodynamics/ ANIMAL EXPERIMENTS/
CASTRATION/ CHROMATOGRAPHY, THIN LAYER/ ESTROGENS, pharmacodynamics/
FEMALE/ LH, blood/ *LH-FSH RELEASING HORMONE, chem synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/
PROGESTERONE, pharmacodynamics/
PYRAZOLES, chem synthesis/ PYRAZOLES, pharmacodynamics/ RATS/
STRUCTURE-ACTIVITY RELATIONSHIP
 761. (Coyle MG): Mary G. Coyle. *Br Med J* 4:680, 15 Dec 73
CURRENT BIOGRAPHY/ ENDOCRINOLOGY, history/ GYNECOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ OBSTETRICS, history/ SCOTLAND
 762. Craft I: Letter: Prostaglandins and convulsions. *Lancet* 2:1389, 15 Dec 73
ABORTION, INDUCED/ *CONVULSIONS, chemically induced/ DRUG THERAPY, COMBINATION/ EPILEPSY, chemically induced/ FEMALE/ HUMAN/ LABOR, INDUCED/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, therapeutic use/ UREA, therapeutic use
 763. Craft IL, Fergusson IL, Smith B, et al: Sex steroid hormone levels in plasma following intra-amniotic injection of urea and prostaglandin E2. *J Obstet Gynaecol Br Commonw* 80:1095-9, Dec 73
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNION/ DRUG COMBINATIONS/ ESTRADIOL, blood/ ESTRIOL, blood/
*ESTROGENS, blood/ ESTRONE, blood/
FEMALE/ HUMAN/
HYDROXYPROGESTERONE, blood/
INJECTIONS/ PREGNANCY/
*PROGESTATIONAL HORMONES, blood/
PROGESTERONE, blood/ *PROSTAGLANDINS, administration & dosage/
RADIOIMMUNOASSAY/ TIME FACTORS/
*UREA, administration & dosage
 764. Cram DL, Epstein JH, Tuffanelli DL: Lupus erythematosus and porphyria. Coexistence in seven patients. *Arch Dermatol* 108:779-84, Dec 73
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ALCOHOLISM, complications/
ANTINUCLEAR FACTORS, analysis/
BASEMENT MEMBRANE, immunology/
COMPLEMENT, analysis/ FATTY LIVER, etiology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGG, analysis/ LEUKOPENIA, etiology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/
LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, therapy/ MALE/ MIDDLE AGE/
*PORPHYRIA, complications/ PORPHYRIA, immunology/ PORPHYRIA, therapy/
PORPHYRINS, urine/ PREDNISONE, therapeutic use/ SKIN, immunology/
TRIAMCINOLONE ACETONIDE, therapeutic use
 765. Crank G, Neville M, Ryden R: Thiourea derivatives of 2-aminooxazoles showing antibacterial and antifungal activity. *J Med Chem* 16:1402-5, Dec 73
AEROBACTER AEROGENES, drug effects/
*ANTIFUNGAL AGENTS, chem synthesis/
ANTIFUNGAL AGENTS, pharmacodynamics/
*ANTI-INFECTIVE AGENTS, chem synthesis/
ANTI-INFECTIVE AGENTS, pharmacodynamics/
BRUCELLA, drug effects/ CANDIDA, drug effects/ ESCHERICHIA COLI, drug effects/
KLEBSIELLA PNEUMONIAE, drug effects/
MICROBIAL SENSITIVITY TESTS/
*OXAZOLES, chem synthesis/ OXAZOLES, pharmacodynamics/ PENICILLIUM, drug effects/ PROTEUS, drug effects/ PROTEUS VULGARIS, drug effects/ SACCHAROMYCES CEREVISIAE, drug effects/
STAPHYLOCOCCUS, drug effects/
STREPTOCOCCUS FAECALIS, drug effects/
STRUCTURE-ACTIVITY RELATIONSHIP/
*THIOUREA, chem synthesis/ THIOUREA, pharmacodynamics/ TRICHOPHYTON, drug effects
 766. Cravioto H, Dart D: The ultrastructure of "pinealoma". (Seminoma-like tumor of the pineal region). *J Neuropathol Exp Neurol* 32:552-65, Oct 73
ADULT/ *BRAIN NEOPLASMS, pathology/
CYTOPLASM/ *DISGERMINOMA, pathology/
FEMALE/ HUMAN/ LEUKOCYTES/
LYMPHOCYTES/ MICROSCOPY, ELECTRON/
PHAGOCYTES/ *PINEAL BODY, pathology/
*PINEALOMA, pathology
 767. Crawford BA: Thyroid optic neuropathy: to decompress or not? *Aust J Ophthalmol* 1:6-11, Feb 73
ADULT/ AGED/ FEMALE/ HUMAN/
*HYPERTHYROIDISM, complications/ MALE/
MIDDLE AGE/ *OPTIC NERVE/
PAPILLEDEMA, drug therapy/ PERIPHERAL NERVE DISEASES, drug therapy/
PERIPHERAL NERVE DISEASES, surgery/
*PREDNISOLONE, therapeutic use/
SYNDROME
 768. Crawford LE Jr, Palmer JM: Estrogen-progesterone combination causing hypertension in latent unilateral ischemic renal disease. *Urology* 2:683-5, Dec 73
ADULT/ ATROPHY, etiology/ DRUG COMBINATIONS/ ETHYNODIOL DIACETATE, administration & dosage/ *ETHYNODIOL DIACETATE, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ ISCHEMIA, etiology/ KIDNEY, blood supply/ *KIDNEY DISEASES, complications/
KIDNEY FUNCTION TESTS/ KIDNEY GLOMERULUS, pathology/ MESTRANOL, administration & dosage/ *MESTRANOL, adverse effects/ NEPHRECTOMY/
NEPHROSCLEROSIS, etiology/ RENAL ARTERY, radiography/ RENAL VEINS/
RENIN, blood
 769. Crepaldi G, Fellin R, Brian G: Treatment of type II and type IV Fredrickson's hyperlipoproteinemia. *Adv Exp Med Biol* 38:199-217, 1973
ADOLESCENCE/ ADULT/ ALCOHOL DRINKING/ *ANTILIPEMIC AGENTS, therapeutic use/ BODY WEIGHT/ CHILD/
CHOLESTEROL, DIETARY/
CHOLESTYRAMINE, therapeutic use/
CLOFIBRATE, administration & dosage/
CLOFIBRATE, therapeutic use/ *DIET THERAPY/ DIETARY CARBOHYDRATES/
DIETARY FATS/ DRUG THERAPY, COMBINATION/ FATS, UNSATURATED/
FEMALE/ HUMAN/ HYPERLIPEMIA, drug therapy/ *HYPERLIPEMIA, therapy/
HYPERLIPEMIA, ESSENTIAL FAMILIAL, drug therapy/ *HYPERLIPEMIA, ESSENTIAL FAMILIAL, therapy/ MALE/ MIDDLE AGE/
NEOMYCIN, therapeutic use/ NICOTINIC ACID, therapeutic use/ SITOSTEROLS, therapeutic use/ THYROXINE, therapeutic use
 770. Crespo LA, Gerster JC, Boussina I, et al: Algodystrophie décalcifiante post-traumatique du pied. *Rev Med Suisse Romande* 93:581-93, Aug 73 (Fre)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/

AUTHOR SECTION

- FEMALE/ *FOOT, injuries/ FOOT DISEASES, diagnosis/ *FOOT DISEASES, etiology/ FOOT DISEASES, radiography/ FOOT DISEASES, therapy/ HUMAN/ PHYSICAL THERAPY/ REFLEX SYMPATHETIC DYSTROPHY, diagnosis/ *REFLEX SYMPATHETIC DYSTROPHY, etiology/ REFLEX SYMPATHETIC DYSTROPHY, radiography/ REFLEX SYMPATHETIC DYSTROPHY, therapy/ WOUNDS AND INJURIES, complications
771. Crighton DB, Foster JP, Holland DT, et al: Simultaneous determination of luteinizing hormone and luteinizing hormone releasing hormone in the jugular venous blood of the sheep at oestrus. *J Endocrinol* 59:373-4, Nov 73
ANIMAL EXPERIMENTS/ CATHETERIZATION/ *ESTRUS/ FEMALE/ JUGULAR VEIN/ *LH, blood/ *LH-FSH RELEASING HORMONE, blood/ RADIOIMMUNOASSAY/ *SHEEP, physiology
772. Critchley JA, Ungar A, Welburn PJ: Proceedings: The release of adrenaline and noradrenaline by the adrenal glands of cats and dogs in reflexes arising from the carotid chemoreceptors and baroreceptors. *J Physiol (Lond)* 234:111P-112P, Oct 73
*ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ *CAROTID BODY, physiology/ *CAROTID SINUS, physiology/ CATS/ CHEMORECEPTORS, physiology/ DOGS/ *EPINEPHRINE, secretion/ *NOREPINEPHRINE, secretion/ OXYGEN, blood/ PRESSORECEPTORS, physiology/ REFLEX
773. Croce CM, Knowles BB, Koprowski H: Preferential retention of the human chromosome C-7 in human-(thymidine kinase deficient) mouse hybrid cells. *Exp Cell Res* 82:457-61, Dec 73
AZAGUANINE/ BROMODEOXYURIDINE/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ CHROMOSOME ABNORMALITIES/ *CHROMOSOMES, metabolism/ *CHROMOSOMES, HUMAN, 6-12/ CLONE CELLS/ CROSSES, GENETIC/ DRUG RESISTANCE/ FIBROBLASTS, metabolism/ GUANINE/ HUMAN/ *HYBRID CELLS, cytology/ HYPOXANTHINES/ KARYOTYPING/ KLINEFELTER'S SYNDROME/ LESCH-NYHAN SYNDROME, enzymology/ MALE/ MICE/ MUTATION/ PENTOSYLTRANSFERASES, metabolism/ SKIN, metabolism/ SV40 VIRUS/ *THYMIDINE KINASE, metabolism
774. Crocker SG, Milton P, King RJ: Proceedings: (3H)progesterone-binding to tissues of the human reproductive tract. *J Endocrinol* 59:17-8, Nov 73
BINDING SITES/ *ENDOMETRIUM, metabolism/ FEMALE/ HUMAN/ HYDROCORTISONE, metabolism/ IN VITRO/ OVARY, metabolism/ *PROGESTERONE, metabolism/ TRITIUM
775. Crole TE: The intracellular localization of calcium within the mature human placental barrier. *Am J Obstet Gynecol* 117:926-32, 1 Dec 73
BASEMENT MEMBRANE, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CAPILLARIES, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ ENDOTHELIUM, metabolism/ FEMALE/ FETUS, metabolism/ HISTOCYTOCHEMISTRY/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ TROPHOBLAST, metabolism
776. Crooke AC, Sutaria UD, Bertrand PV: Treatment of ovarian insufficiency by gonadotrophins. *Endocrinol Exp (Bratisl)* 7:275-82, 1973
ADULT/ ESTROGENS, urine/ FEMALE/ FSH, administration & dosage/ FSH, pharmacodynamics/ *FSH, therapeutic use/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *OVARIAN DISEASES, drug therapy/ OVULATION, drug effects/ REGRESSION ANALYSIS/ TIME FACTORS
777. Cropper CF: Hypothyroidism in psychogeriatric patients--ankle jerk reaction time as a screening technique. *Gerontol Clin (Basel)* 15:15-24, 1973
*ACHILLES TENDON/ AGED/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ MALE/ *MASS SCREENING/ METHODS/ MIDDLE AGE/ PARANOIA, complications/ PROTEIN-BOUND IODINE TEST/ *PSYCHOSES, SENILE, complications/ *REFLEX, TENDON/ SCHIZOPHRENIA, complications/ THYROXINE, therapeutic use/ TIME FACTORS
778. Crougbs RJ, Tops CF, Jong FH de: Radioimmunoassay of plasma adrenocorticotrophin in Cushing's syndrome. *J Endocrinol* 59:439-49, Dec 73
ADRENALECTOMY/ CIRCADIAN RHYTHM/ *CORTICOTROPIN, blood/ *CUSHING'S SYNDROME, blood/ DEXAMETHASONE, pharmacodynamics/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYDROCORTISONE, blood/ IMMUNE SERUMS/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ INSULIN, pharmacodynamics/ IODINE RADIOISOTOPES/ LYSINE, pharmacodynamics/ PITUITARY NEOPLASMS, diagnosis/ PROGNOSIS/ RADIOIMMUNOASSAY/ VASOPRESSIN, pharmacodynamics
779. Crowley MF, Rosser A: Oestrogen determination in pregnancy urine using enzymatic hydrolysis of oestrogen conjugates. *Clin Chim Acta* 49:115-22, 23 Nov 73
COMPARATIVE STUDY/ ESCHERICHIA COLI, enzymology/ *ESTRIOL, urine/ EVALUATION STUDIES/ FEMALE/ GLUCURONIDASE/ GLUCURONIDASE, metabolism/ GLYCOSURIA/ HUMAN/ HYDROCHLOROTHIAZIDE, urine/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ KINETICS/ METHENAMINE, urine/ METHODS/ *PREGNANCY/ TIME FACTORS
780. Crowther JS, Drasar BS, Goddard P, et al: The effect of a chemically defined diet on the faecal flora and faecal steroid concentration. *Gut* 14:790-3, Oct 73
BACTEROIDES, isolation & purification/ CHOLESTEROL, metabolism/ CLOSTRIDIUM, isolation & purification/ *DIET/ ESCHERICHIA COLI, isolation & purification/ FECES, analysis/ *FECES, microbiology/ HUMAN/ LACTOBACILLUS, isolation & purification/ MALE/ *STERIODS, analysis/ STREPTOCOCCUS FAECALIS, isolation & purification/ VEILLONELLA, isolation & purification
781. Crowther JS, Drasar BS, Goddard P, et al: Proceedings: The effect of chemically defined diets on the faecal flora and faecal steroids. *Gut* 14:831, Oct 73
*DIET/ FECES, analysis/ *FECES, microbiology/ HUMAN/ *STERIODS, analysis
782. Cryer GL, Gann DS: Location of vagal receptors controlling adrenal corticosteroid secretion. *Am J Physiol* 225:1346-50, Dec 73
ANIMAL EXPERIMENTS/ *AORTA, innervation/ AORTA, THORACIC, innervation/ BLOOD PRESSURE/ CONSTRICTION/ DOGS/ *HEART, innervation/ *17-HYDROXYCORTICOSTEROIDS, secretion/ NEURONS, AFFERENT, physiology/ *PRESSORECEPTORS, physiology/ SECRETORY RATE/ TIME FACTORS/ VAGOTOMY/ *VAGUS NERVE, cytology/ *VAGUS NERVE, physiology
783. Crystle CD, Breuning F, Dubin NH, et al: Blood disappearance rates of certain hormones and enzymes advocated as fetoplacental function tests. *Obstet Gynecol* 43:41-5, Jan 74
ADOLESCENCE/ ADULT/ *ALKALINE PHOSPHATASE, blood/ *AMINOPEPTIDASES,

AUTHOR SECTION

- blood/ COMPARATIVE STUDY/ ESTRADIOL,
blood/ ESTRIOL, blood/ *ESTROGENS, blood/
FEMALE/ *FETUS, physiology/
*GONADOTROPINS, CHORIONIC, blood/
HALF-LIFE/ *HISTAMINASE, blood/ HUMAN/
LABOR/ OXYTOCINASE, blood/ *PLACENTA,
physiology/ PLACENTA, physiochemistry/
PREGNANCY/ *PUERPERIUM
784. Csaba B, Went M, Muszbek L, et al: Effect of
adrenalectomy and cortisone treatment of
5-hydroxytryptophan decarboxylase and
monoamine-oxidase activity of rat tissue.
Acta Physiol Acad Sci Hung 42:327-31, 1972
*ADRENALECTOMY/ ANIMAL
EXPERIMENTS/ *CARBOXY-LYASES,
metabolism/ *CORTISONE, pharmacodynamics/
DUODENUM, enzymology/ FEMALE/
HYDROXYTRYPTOPHAN/ *INTESTINE,
SMALL, enzymology/ *LIVER, enzymology/
*LUNG, enzymology/ MALE/ *MONOAMINE
OXIDASE, metabolism/ PYLORUS,
enzymology/ RATS/ *SKIN, enzymology
785. Csaba G: The effect of testosterone and thyroidectomy
on the rat thymus.
Acta Biol Acad Sci Hung 23:409-II, 1972
ANIMAL EXPERIMENTS/ MALE/ MICE,
INBRED STRAINS/ RATS/ REGENERATION/
STAINS AND STAINING/ *TESTOSTERONE,
pharmacodynamics/ THYMUS GLAND,
cytology/ THYMUS GLAND, drug effects/
*THYMUS GLAND, physiology/ THYMUS
GLAND, transplantation/ *THYROID GLAND,
physiology/ THYROIDECTOMY/
TRANSPLANTATION, AUTOLOGOUS
786. Csaba G, Baráth P, Giurgea-Jacob R: Relationships
between the thymus and islets of Langerhans.
Endokrinologie 61:271-5, May 73
ALLOXAN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BLOOD SUGAR, analysis/
*ISLANDS OF LANGERHANS, physiology/
MALE/ PREDNISOLONE, pharmacodynamics/
RATS/ THYMECTOMY/ *THYMUS GLAND,
physiology
787. Csaba G, Török O: Physiology of mast cells. IV. Role of
blood transport in the transformation of mast cells.
Acta Biol Acad Sci Hung 23:369-76, 1972
ANIMAL EXPERIMENTS/ ASCITIC FLUID,
cytology/ *BLOOD, physiology/ CATTLE,
immunology/ CELL DIFFERENTIATION/
CORTISONE, pharmacodynamics/ CULTURE
MEDIA/ CYTOPLASMIC GRANULES/
IMMUNE SERUMS, pharmacodynamics/ MAST
CELLS, cytology/ *MAST CELLS, physiology/
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PREDNISOLONE/ RATS/ RATS, immunology/
RATS, INBRED STRAINS/ STAINS AND
STAINING/ THYMECTOMY/ THYMUS
EXTRACTS, pharmacodynamics/ THYMUS
GLAND, physiology/ TIME FACTORS
788. Csapo AI, Pulkkinen MO, Kalhola HL: The effect of
estradiol replacement therapy on early pregnant
luteotomized patients.
Am J Obstet Gynecol 117:987-90, 1 Dec 73
ABORTION, INDUCED/ ADULT/ *CORPUS
LUTEUM, physiology/ CORPUS LUTEUM,
surgery/ ESTRADIOL,
administration & dosage/ ESTRADIOL, blood/
ESTRADIOL, physiology/ *ESTRADIOL,
therapeutic use/ FEMALE/ GESTATIONAL
AGE/ HUMAN/ INJECTIONS,
INTRAMUSCULAR/ OXYTOCIN,
diagnostic use/ *PREGNANCY/ PRESSURE/
PROGESTERONE, blood/ PROGESTERONE,
physiology/ UTERUS, physiochemistry
789. Cuatrecasas P, Tell GF, Sica V, et al: Noradrenaline
binding and the search for catecholamine receptors.
Nature 247:92-7, 11 Jan 74
ADENYL CYCLASE, metabolism/ ADIPOSE
TISSUE, enzymology/ ADIPOSE TISSUE,
metabolism/ BINDING, COMPETITIVE/
BIOFLAVONOIDS, pharmacodynamics/
CATECHOL METHYLTRANSFERASE,
antagonists & inhibitors/ CATECHOL
METHYLTRANSFERASE, metabolism/
*CATECHOLAMINES, metabolism/ CELL
MEMBRANE, metabolism/ CELLS,
CULTURED/ DEPRESSION, CHEMICAL/
LIVER, cytology/ LIVER, metabolism/
MICROSOMES, enzymology/ MICROSOMES,
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metabolism/ MYOCARDIUM, metabolism/
NOREPINEPHRINE, blood/
*NOREPINEPHRINE, metabolism/
PYROGALLOL, pharmacodynamics/ RATS/
*RECEPTORS, ADRENERGIC, drug effects/
TRIGLYCERIDES, metabolism/ TRITIUM/
TURKEYS
790. Cubeddu L, Mosimann W, Weiner N: The effect of
methylguanidine on norepinephrine metabolism in
isolated, perfused spleen and heart.
J Pharmacol Exp Ther 188:93-106, Jan 74
ANIMAL EXPERIMENTS/ CATS/ COCAINE,
pharmacodynamics/ DEAMINATION/
ELECTRIC STIMULATION/ FEMALE/
*GUANIDINES, pharmacodynamics/ HEART,
drug effects/ IN VITRO/ MALE/
MONOAMINE OXIDASE, metabolism/
MONOAMINE OXIDASE INHIBITORS,
pharmacodynamics/ *MYOCARDIUM,
metabolism/ *NOREPINEPHRINE, metabolism/
PERFUSION/ RATS/ RESERPINE,
pharmacodynamics/ SEROTONIN, metabolism/
SPLEEN, drug effects/ SPLEEN, enzymology/
*SPLEEN, metabolism/ TIME FACTORS/
TRITIUM
791. Cuello AC, Iversen LL: Localization of tritiated
dopamine in the median eminence of the rat
hypothalamus by electron microscope
autoradiography. Brain Res 63:474-8, 7 Dec 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ AXONS, metabolism/
*DOPAMINE, metabolism/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM,
metabolism/ MALE/ MICROSCOPY,
ELECTRON/ RATS/ RECEPTORS,
ADRENERGIC/ SYNAPTIC VESICLES,
metabolism/ TRITIUM
792. Culberson JL, Bach LM: Limbic projections to the
ventromedial hypothalamus of the opossum.
Exp Neurol 41:683-9, Dec 73
ANIMAL EXPERIMENTS/ ELECTRIC
STIMULATION/ EVOKED POTENTIALS/
FEMALE/ *HYPOTHALAMUS, physiology/
*LIMBIC SYSTEM, physiology/ MALE/
NEURAL INTERCONNECTIONS, physiology/
*OPOSSUMS, physiology
793. Cullen SJ: The utilization of fluorescent microscopy in
routine chromosome analysis.
J Am Med Assoc 228:633-8, Dec 73
*CHROMOSOME ABERRATIONS/
*CHROMOSOME ABNORMALITIES, diagnosis/
FEMALE/ HUMAN/ KARYOTYPING/
KLINEFELTER'S SYNDROME, diagnosis/
MALE/ *MICROSCOPY, FLUORESCENCE/
MONGOLISM, diagnosis/ MOSAICISM/
PREGNANCY/ SEX DETERMINATION/
TRISOMY/ TURNER'S SYNDROME, diagnosis
794. Cunha GR: Peristaltic contractions of the murine
urogenital sinus. Anat Rec 177:561-8, Dec 73
ACETATES/ ANIMAL EXPERIMENTS/
CYPROTERONE, pharmacodynamics/
CYTOCHALASIN B, pharmacodynamics/
ESTRADIOL, pharmacodynamics/ FEMALE/
GESTATIONAL AGE/ KIDNEY, embryology/
KIDNEY, physiology/ *MICE, embryology/
MUSCLE CONTRACTION, drug effects/
PREGNANCY/ TESTOSTERONE,
pharmacodynamics/ TISSUE CULTURE/
URINE/ UROGENITAL SYSTEM, drug effects/
*UROGENITAL SYSTEM, embryology/
UROGENITAL SYSTEM, physiology
795. Cunliffe WJ: Acne vulgaris. Br Med J 4:667-9, 15 Dec 73
*ACNE, therapy/ CLINDAMYCIN, therapeutic
use/ *CORTICOSTERONE, therapeutic use/
CORYNEBACTERIUM ACNES/
DERMABRASION/ HEXACHLOROPHENE,
therapeutic use/ HUMAN/ SEBACEOUS
GLANDS, metabolism/ SEBUM, secretion/

AUTHOR SECTION

- STAPHYLOCOCCUS/ SULFUR, therapeutic use/ TETRACYCLINE, therapeutic use/ ULTRAVIOLET THERAPY/ VITAMIN A, therapeutic use
796. Cunningham BA, Wang JL, Berggård I, et al: The complete amino acid sequence of beta 2-microglobulin. *Biochemistry* 12:4811-22, 20 Nov 73
AMIDES/ AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CADMIUM, poisoning/ CARBOXYPEPTIDASES/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ CHYMOTRYPSIN/ DANSYL COMPOUNDS/ DITHIOREITOL/ ELECTROPHORESIS, PAPER/ EVOLUTION/ GEL FILTRATION/ *GLOBULINS, analysis/ HUMAN/ IGG/ IODOACETATES/ PEPsin/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PROTEINURIA/ SUBTILISIN/ THERMOLYSIN/ THIOCYANATES/ TRYPSIN
797. Cunningham FJ, Bonney RC, Furr BJ, et al: Proceedings: The effect of synthetic luteinizing hormone releasing factor on plasma levels of luteinizing hormone in the domestic fowl. *J Endocrinol* 59:xiv-xv, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ CHICKENS/ FEMALE/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ TIME FACTORS
798. Cupr Z, Němcová J, Pánek M: Dlouhodobé podávání estrogenů u starších žen. *Cesk Gynekol* 38:632-3, Sep 73 (Cze)
*CLIMACTERIC, drug effects/ DELAYED-ACTION PREPARATIONS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MIDDLE AGE/ TIME FACTORS
799. Curbelo HM, Houssay AB, Gamper CH, et al: Influence of the adrenal glands on the salic acid content of submaxillary and retrolingual glands in the rat. *J Dent Res* 52:1265-7, Nov-Dec 73
*ADRENAL GLANDS, physiology/ *ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ MALE/ *NEURAMINIC ACIDS, analysis/ RATS/ *SUBLINGUAL GLAND, analysis/ SUBLINGUAL GLAND, drug effects/ *SUBMANDIBULAR GLAND, analysis/ SUBMANDIBULAR GLAND, drug effects
800. Curran JP, Sigmon BA, Opitz JM: Lethal forms of chondrodysplastic dwarfism. *Pediatrics* 53:76-85, Jan 74
ACHONDROPLASIA, radiography/ AUTOPSY/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, pathology/ *DWARFISM, radiography/ DYSCHONDROPLASIA, radiography/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE
801. Currey JD: Interactions between age, pregnancy and lactation, and some mechanical properties, of the femora of rats. *Calcif Tissue Res* 13:99-112, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ BIOMECHANICS/ BODY WEIGHT/ FEMALE/ *FEMUR, physiology/ *LACTATION/ *PREGNANCY, ANIMAL/ RATS
802. Curtis GL, Elliott JA, Wilson RB, et al: Cyclic adenosine 3',5'-monophosphate and cell volume. *Cancer Res* 33:3273-7, Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL DIVISION, drug effects/ CYTARABINE, pharmacodynamics/ DEMECOLCINE, pharmacodynamics/ DNA, biosynthesis/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ *L CELLS, drug effects/ MICROSCOPY, ELECTRON, SCANNING/ PROSTAGLANDINS, pharmacodynamics/ PROTEINS, biosynthesis/ THEOPHYLLINE, pharmacodynamics
803. Curzen P: Proceedings: The clinical evaluation of placental function tests. *Br J Radiol* 47:70, Jan 74
FEMALE/ FETAL DISEASES, etiology/ FETUS, growth & development/ HUMAN/ MATERNAL-FETAL EXCHANGE/ PLACENTA, blood supply/ *PLACENTA, metabolism/ PREGNANCY
804. Cntright DE, Perez B, Beasley JD 3d, et al: Degradation rates of polymers and copolymers of polylactic and polyglycolic acids. *Oral Surg* 37:142-52, Jan 74
ANIMAL EXPERIMENTS/ BIODEGRADATION/ *BIOPHYSICS/ BONE AND BONES, drug effects/ BONE DEVELOPMENT/ BONE MARROW, drug effects/ CAPILLARIES, growth & development/ CONNECTIVE TISSUE, drug effects/ FEMUR, drug effects/ GLYCOCHOLIC ACID, metabolism/ INFLAMMATION/ LACTATES, metabolism/ PHAGOCYTOSIS/ *POLYMERS, metabolism/ POLYMERS, pharmacodynamics/ RATS/ TIME FACTORS
805. Cuttner J: Splenectomy, steroids, and dextran 70 in thrombotic thrombocytopenic purpura. *JAMA* 227:397-402, 28 Jan 74
ADOLESCENCE/ *ADRENAL CORTEX * HORMONES, therapeutic use/ ADULT/ AGED/ BLOOD COAGULATION TESTS/ *DEXTRAN, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYDROCORTISONE, administration & dosage/ MALE/ METHYLPREDNISOLONE, administration & dosage/ MOLECULAR WEIGHT/ POSTOPERATIVE CARE/ PREDNISONE, administration & dosage/ PURPURA, THROMBOTIC THROMBOPENIC, blood/ PURPURA, THROMBOTIC THROMBOPENIC, drug therapy/ *PURPURA, THROMBOTIC THROMBOPENIC, therapy/ *SPLENECTOMY/ TIME FACTORS
806. Czgzian DM, Kuzina MM: Dvigatel'nala delatel'nost' zheludka u chernomorskogo skata Dasyatis pastinaca. *Zh Evol Biokhim Fiziol* 9:536-9, Sep-Oct 73 (Rns)
ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CARBACHOL, pharmacodynamics/ ENGLISH ABSTRACT/ *FISHES, physiology/ *GASTROINTESTINAL MOTILITY/ GASTROINTESTINAL MOTILITY, drug effects/ INSULIN, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ PITUITARY GLAND/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ STOMACH, drug effects/ *STOMACH, physiology/ TISSUE EXTRACTS, pharmacodynamics

D

807. Dachy A: Les complications des angines streptococciques. *Brux Med* 53:637-41, Nov 73 (Fre)
ERYTHROMYCIN, therapeutic use/ *GLOMERULONEPHRITIS, etiology/ HUMAN/ PENICILLIN, therapeutic use/ PHARYNGITIS, complications/ PREDNISOLONE, therapeutic use/ *RHEUMATIC FEVER, etiology/ *RHEUMATIC HEART DISEASE, etiology/ *STREPTOCOCCAL INFECTIONS, complications/ STREPTOCOCCAL INFECTIONS, drug therapy
808. Daeschner CW: Management of the nephrotic syndrome. *South Med J* 67:97-104, Jan 74
ADMINISTRATION, ORAL/ ADULT/ AGE FACTORS/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ DRUG COMBINATIONS/ GLOMERULONEPHRITIS, complications/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY DISEASES, diagnosis/ LIPIDS, blood/ LONG TERM CARE/ NEPHRITIS, complications/ NEPHROTIC SYNDROME, blood/ NEPHROTIC SYNDROME, complications/ *NEPHROTIC SYNDROME, diagnosis/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, etiology/ PATIENT ISOLATORS/ PREDNISONE, administration & dosage/ PROGNOSIS/ RENAL VEINS/ REVIEW/ THROMBOPHLEBITIS, complications
809. Dahl E, Tveter KJ, Kjaerheim A: The ultrastructure of the accessory sex organs of the male rat. 4. Effect of

AUTHOR SECTION

- testosterone. *Acta Endocrinol (Kbh)* 74:605-14, Nov 73
ANIMAL EXPERIMENTS/ CASTRATION/
ENDOPLASMIC RETICULUM, drug effects/
MALE/ MICROSCOPY, ELECTRON/
PROSTATE, cytology/ *PROSTATE, drug
effects/ RATS/ SEMINAL VESICLES,
cytology/ *SEMINAL VESICLES, drug effects/
STIMULATION, CHEMICAL/ TESTIS,
physiology/ *TESTOSTERONE,
pharmacodynamics
810. Dahlström A: Aminergic transmission. Introduction
and short review.
Brain Res 82:441-60, 23 Nov 73 (101 ref.)
ACTION POTENTIALS/ ANIMAL
EXPERIMENTS/ DOPA OXIDASE, metabolism/
*NEURAL TRANSMISSION, drug effects/
*NEUROHUMORS, metabolism/ NEURONS,
enzymology/ NEURONS, metabolism/
NOREPINEPHRINE, metabolism/
PROSTAGLANDINS, physiology/ RESERPINE,
pharmacodynamics/ REVIEW/ SYNAPTIC
VESICLES, metabolism/ TYROSINE
HYDROXYLASE, metabolism
811. Dahnke HG, Scheuer A, Mosebach KO: Influence of
testosterone and cyproterone acetate on the rate of
mitosis in seminal vesicles of rats.
J Endocrinol 59:535-8, Dec 73
ANIMAL EXPERIMENTS/ *CYPROTERONE,
pharmacodynamics/ MALE/ *MITOSIS, drug
effects/ MODELS, BIOLOGICAL/ RATS/
RECEPTORS, HORMONE/ *SEMINAL
VESICLES, drug effects/ *TESTOSTERONE,
pharmacodynamics/ TIME FACTORS
812. Dail WG Jr, Palmer GC: Localization and correlation of
catecholamine-containing cells with adenylyl cyclase and
phosphodiesterase activities in the human fetal heart.
Anat Rec 177:265-87, Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ *ADENOSINE
MONOPHOSPHATE, analysis/ *ADENYL
CYCLASE, metabolism/ *CATECHOLAMINES,
metabolism/ CYTOPLASMIC GRANULES/
ENDOPLASMIC RETICULUM/ EPITHELIAL
CELLS/ FEMALE/ FETAL HEART, analysis/
*FETAL HEART, enzymology/ FETAL HEART,
innervation/ HISTOCYTOCHEMISTRY/
HUMAN/ MICROSCOPY, ELECTRON/
NEURONS, cytology/ ORGAN WEIGHT/
*PHOSPHODIESTERASES, metabolism/
PREGNANCY/ *RECEPTORS, ADRENERGIC/
SCHWANN CELLS/ SYNAPTIC VESICLES
813. Dal Lago A, Lucke S: A method of fixing rat testis for
light and electron microscopy.
Stain Technol 48:289-95, Nov 73
ANIMAL EXPERIMENTS/ ARSENICALS/
BUFFERS/ COMPARATIVE STUDY/
GLUTARALDEHYDE/ *HISTOLOGICAL
TECHNIQUES/ HYDROGEN-ION
CONCENTRATION/ MALE/ MICROSCOPY,
ELECTRON/ PERFUSION/ RATS/ *TESTIS,
cytology
814. Danguy A, Ectors F, Robyn C, et al: Sensibilité de l'aire
pré-optique de l'hypothalamus du rat mâle aux
androgènes.
C R Acad Sci [D] (Paris) 276:1729-32, 12 Mar 73 (Fre)
ANIMAL EXPERIMENTS/ CASTRATION/
CHOLESTEROL, pharmacodynamics/
*HYPOTHALAMUS, drug effects/ MALE/
RATS/ *TESTOSTERONE, pharmacodynamics
815. Daniel PM, Spicer EJ, Trelp CS: Pituitary necrosis in
patients maintained on mechanical respirators.
J Pathol 111:135-8, Oct 73
ADULT/ CHILD/ CHILD, PRESCHOOL/
FEMALE/ HUMAN/ INFARCTION, pathology/
MALE/ MIDDLE AGE/ *NECROSIS, etiology/
*PITUITARY DISEASES, etiology/ PITUITARY
DISEASES, pathology/ PITUITARY GLAND,
blood supply/ PITUITARY GLAND, pathology/
*RESPIRATION, ARTIFICIAL, adverse effects
816. Daniels-Severs AE, Vernikos-Danellis J: Effect of
aminoglutethimide and glutethimide on the
pituitary-adrenal system.
Pharmacology 10:111-22, 1973
*ADRENAL GLANDS, drug effects/ ADRENAL
GLANDS, physiology/ ADRENALECTOMY/
*AMINOGLUTETHIMIDE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CATECHOLAMINES,
metabolism/ CORTICOTROPIN, metabolism/
*GLUTETHIMIDE, pharmacodynamics/
HYPOPHYSECTOMY/ MALE/ *PITUITARY
GLAND, drug effects/ PITUITARY GLAND,
physiology/ RATS/ STRESS, metabolism/
TIME FACTORS
817. Danielsson H: Influence of dietary bile acids on
formation of bile acids in rat.
Steroids 22:667-76, Nov 73
ALUMINUM/ ANIMAL EXPERIMENTS/ *BILE
ACIDS AND SALTS, pharmacodynamics/
CARBON RADIOISOTOPES/
CHENODEOXYCHOLIC ACID, metabolism/
CHOLESTENES, metabolism/ CHOLESTEROL,
metabolism/ CHROMATOGRAPHY/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DEOXYCHOLIC
ACID, metabolism/ *DIET/
HYDROXYSTERIODS, metabolism/
KETOSTEROIDS, metabolism/ LITHOCHOLIC
ACID, metabolism/ MALE/ MICROSOMES,
LIVER, drug effects/ *MICROSOMES, LIVER,
enzymology/ RATS/ *STERIOD
HYDROXYLASES, metabolism/ TAURINE/
TAUROCHOLIC ACID, pharmacodynamics/
TIME FACTORS/ TRITIUM
818. Daniltescu-Goldinberg D, Giroud CJ: Metabolism of
cortisol by the human newborn infant.
J Clin Endocrinol Metab 38:64-70, Jan 74
ADULT/ CARBON RADIOISOTOPES/
GLUCURONATES, urine/ HUMAN/
*HYDROCORTISONE, metabolism/
HYDROCORTISONE, urine/
17-HYDROXYCORTICOSTEROIDS, urine/
HYDROXYCORTICOSTEROIDS, urine/
*INFANT, NEWBORN/ KETOSTEROIDS, urine/
MALE/ PREGNANES, urine/ SULFATES,
urine/ TETRAHYDROCORTISONE, urine/
TRITIUM
819. Danis RK: An alternative in management of lingual
thyroid: excision with implantation.
J Pediatr Surg 5:869-70, Dec 73
CHILD/ *CHORISTOMA, surgery/ HUMAN/
MALE/ METHODS/ PROTEIN-BOUND IODINE
TEST/ TECHNETIUM, diagnostic use/ THIGH,
surgery/ *THYROID GLAND/ THYROID
GLAND FUNCTION TESTS/ *TONGUE
NEOPLASMS, surgery
820. Danutra V, Harper ME, Griffiths K: The effect of
stilboestrol analogues on the metabolism of steroids
by the testis and prostate of the rat in vitro.
J Endocrinol 59:539-44, Dec 73
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/
*DEHYDROEPIANDROSTERONE, metabolism/
*DIETHYLSTILBESTROL, pharmacodynamics/
ESTRADIOL, pharmacodynamics/
*HYDROXYPROGESTERONE, metabolism/
HYDROXYSTERIOD DEHYDROGENASES/
LYASES/ MALE/ OXIDOREDUCTASES/
PREGNANES/ *PROSTATE, drug effects/
PROSTATE, metabolism/ RATS/ *TESTIS,
drug effects/ TESTIS, metabolism/ TRITIUM
821. Darzynkiewicz Z, Giedhlll BL: Uptake of
tritium-labeled adenosine triphosphate by the
cytoplasm of fixed interstitial cells from rat testes.
J Histochem Cytochem 21:1035-40, Dec 73
*ADENOSINE TRIPHOSPHATE, metabolism/
ADRENAL GLANDS, cytology/ ADRENAL
GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT/
COMPARATIVE STUDY/ CYTOPLASM,
metabolism/ DACTINOMYCIN,
pharmacodynamics/ DRUG STABILITY/
FIBROBLASTS, metabolism/
HISTOCYTOCHEMISTRY/ LYMPHOCYTES,
metabolism/ MACROPHAGES, metabolism/
MALE/ MAST CELLS, metabolism/ ORGAN
SPECIFICITY/ RATS/ RIBONUCLEOTIDES,
pharmacodynamics/ TEMPERATURE/ TESTIS,

AUTHOR SECTION

- cytology/ TESTIS, drug effects/ *TESTIS, metabolism/ TIME FACTORS/ TRITIUM
822. Das I: Effect of diabetes and insulin on the rat heart adenylyl cyclase, cyclic AMP phosphodiesterase and cyclic AMP. *Horm Metab Res* 5:330-3, Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ DIABETES MELLITUS, chem synthesis/ DIABETES MELLITUS, enzymology/ *DIABETES MELLITUS, metabolism/ *INSULIN, pharmacodynamics/ INSULIN ANTIBODIES/ LIVER, drug effects/ LIVER, metabolism/ MALE/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ ORGAN SPECIFICITY/ *PHOSPHODIESTERASES, metabolism/ RATS/ STREPTOZOTOCIN/ TIME FACTORS/ TRITIUM
823. Dasgupta A, Gulati A: Serum immunoglobulin levels in health and disease. I. Immunoglobulins in normal and thyroid diseases. *Indian J Med Res* 61:1-7, Jan 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GOITER, blood/ HUMAN/ HYPERTHYROIDISM, blood/ IGA, analysis/ IGE, analysis/ IGG, analysis/ IGM, analysis/ *IMMUNOGLOBULINS, analysis/ MALE/ MIDDLE AGE/ *THYROID DISEASES, blood/ THYROIDITIS, blood
824. Datnow AD: A reconsideration of the secretory function of the human endometrium. *J Obstet Gynaecol Br Commonw* 80:865-71, Oct 73 (39 ref.)
ALKALINE PHOSPHATASE, secretion/ CERVIX MUCUS, secretion/ CONTRACEPTION/ EMBRYO, metabolism/ ENDOMETRIUM, anatomy & histology/ *ENDOMETRIUM, secretion/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ ESTROGENS, pharmacodynamics/ FEMALE/ GLYCOGEN, secretion/ GOLGI APPARATUS/ HUMAN/ MENSTRUATION/ MICROSCOPY, ELECTRON/ NIDATION/ OVULATION/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ REVIEW/ SECRETORY RATE/ TIME FACTORS
825. Daubresse JC, Thirlaux J, Meunier R: Un cas de syndrome polyuro-polydipsique par atteinte des osmorécepteurs. *Rev Med Liege* 28:748-52, 1 Nov 73 (Fre)
ADOLESCENCE/ DIABETES INSIPIDUS, diagnosis/ *DIABETES INSIPIDUS, etiology/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INFLUENZA, complications/ MALE/ *NERVOUS SYSTEM DISEASES, complications/ NERVOUS SYSTEM DISEASES, etiology/ *POLYURIA, etiology/ *RECEPTORS, NEURAL/ THIRST
826. Daughaday WH: Regulation of skeletal growth by sulfation factor. *Adv Intern Med* 17:237-63, 1973 (70 ref.)
AGE FACTORS/ ANIMAL EXPERIMENTS/ BONE DEVELOPMENT/ *CARTILAGE, metabolism/ FEMALE/ FETUS, growth & development/ HUMAN/ HYDROCORTISONE, physiology/ IN VITRO/ INSULIN, physiology/ PITUITARY DISEASES, blood/ PITUITARY DISEASES, metabolism/ PITUITARY GLAND, physiology/ PREGNANCY/ RATS/ REVIEW/ SOMATOMEDIN, blood/ *SOMATOMEDIN, physiology/ *SOMATOTROPIN, physiology/ SULFATES, metabolism/ SULFUR RADIOISOTOPES/ TESTOSTERONE, physiology/ URIDINE, metabolism
827. Davenport JW, Gonzalez LM: Neonatal thyroxine stimulation in rats: accelerated behavioral maturation and subsequent learning deficit. *J Comp Physiol Psychol* 85:397-408, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ ANIMALS, NEWBORN, physiology/ *AVOIDANCE LEARNING, drug effects/ *BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ CEREBELLUM, growth & development/ CONDITIONING, OPERANT, drug effects/ FEMALE/ GROWTH, drug effects/ HUNGER/ MALE/ MOTOR ACTIVITY, drug effects/ RATS/ REFLEX, drug effects/ SEX FACTORS/ *THYROXINE, pharmacodynamics
828. Davidoff M: Guinea pig placenta: fine structure and development. *Acta Anat (Basel)* 88:Suppl 61:23-46, 1973
ACID PHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CAPILLARIES/ CELL NUCLEUS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ FEMALE/ GESTATIONAL AGE/ GOLGI APPARATUS/ *GUINEA PIGS, anatomy & histology/ MATERNAL-FETAL EXCHANGE/ MITOCHONDRIA/ PINOCYTOSIS/ PLACENTA, blood supply/ *PLACENTA, cytology/ PLACENTA, enzymology/ PLACENTA, metabolism/ PLACENTA, physiology/ PREGNANCY/ RIBOSOMES/ STAINS AND STAINING/ TROPHOBLAST, cytology
829. Davidovich SIA: Vliianie kortikosteroidov na sostoiannie arterial'nogo davleniia u boi'nykh s mozgovym insultom. *Sov Med* 36:137-8, Sep 73 (Rus)
*ADRENAL CORTEX HORMONES, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ *CEREBROVASCULAR DISORDERS, physiopathology/ HUMAN
830. Davidson B, Neary JT, Schwartz S, et al: Partial purification and some properties of thyroid peroxidase solubilized by extraction with n-butanol. *Prep Biochem* 3:473-93, 1973
ALCOHOLS, BUTYL/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, THIN LAYER/ DETERGENTS/ GEL FILTRATION/ GUAIACOL/ HYDROGEN-ION CONCENTRATION/ IODOTYROSINE/ MACROMOLECULAR SYSTEMS/ MICROPORE FILTERS/ MICROSCOPY, ELECTRON/ MICROSOMES, enzymology/ MOLECULAR WEIGHT/ OSMOLAR CONCENTRATION/ *PEROXIDASES/ PEROXIDASES, isolation & purification/ SOLUBILITY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SWINE/ THYROID GLAND, cytology/ *THYROID GLAND, enzymology/ ULTRACENTRIFUGATION
831. Davies CT, Few JD: Effects of exercise on adrenocortical function. *J Appl Physiol* 35:887-91, Dec 73
*ADRENAL GLANDS, secretion/ ADULT/ BODY TEMPERATURE/ *EXERTION/ HEART RATE/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ *HYDROCORTISONE, secretion/ MALE/ OXYGEN CONSUMPTION/ TRITIUM
832. Davies GE: Antibronchoconstrictor activity of two new phosphodiesterase inhibitors, a triazolopyrazine (ICI 58 301) and a triazolopyrimidine (ICI 63 197). *J Pharm Pharmacol* 25:681-9, Sep 73
ACETAMIDES, pharmacodynamics/ ACETYLCHOLINE, antagonists & inhibitors/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ALBUTEROL, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS/ *BRONCHI, drug effects/ BRONCHIAL SPASM, prevention & control/ EPINEPHRINE, pharmacodynamics/ FEMALE/ GUINEA PIGS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ LUNG, drug effects/ MALE/ PERFUSION/ PHOSPHODIESTERASES, antagonists & inhibitors/ PRACTOLOL, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *PYRAZINES, pharmacodynamics/ *PYRIMIDINES, pharmacodynamics
833. Davies P, Griffiths K: Hormonal effects in vitro on ribonucleic acid polymerase in nuclei isolated from human prostatic tissue. *J Endocrinol* 59:367-8, Nov 73

AUTHOR SECTION

- ANDROSTANES, pharmacodynamics/
ANDROSTENEDIONE, pharmacodynamics/
*CELL NUCLEUS, drug effects/
DIETHYLSTILBESTROL, pharmacodynamics/
HUMAN/ IN VITRO/ MALE/ MUSTARD
COMPOUNDS, pharmacodynamics/ PROSTATIC
HYPERTROPHY, enzymology/ *RNA
POLYMERASE/ *TESTOSTERONE,
pharmacodynamics
834. Davies P, Griffiths K: Proceedings: Effects in vitro of cytoplasmic and nuclear 5alpha-dihydrotestosterone-receptor complexes on prostatic RNA polymerase activities. *J Endocrinol* 59:xix, Nov 73
ANIMAL EXPERIMENTS/ IN VITRO/
MAGNESIUM, pharmacodynamics/ MALE/
MANGANESE, pharmacodynamics/ *PROSTATE, enzymology/ RATS/ *RECEPTORS, HORMONE/
*RNA POLYMERASE, metabolism/
*TESTOSTERONE, metabolism
835. Davies PJ, Ross DB: Plasma glucose and acetone concentrations in pregnant and lactating ewes. *Proc Nutr Soc* 32:13A-14A, May 73
*ACETONE, blood/ ANIMAL EXPERIMENTS/
*BLOOD SUGAR, analysis/ ENERGY
METABOLISM/ FEMALE/ *LACTATION/
PREGNANCY/ *PREGNANCY, ANIMAL/
SHEEP/ TWINS
836. Davis RS, Manning JA, Branch GL Jr, et al: Renovascular hypertension secondary to hydronephrosis in a solitary kidney. *J Urol* 110:724-7, Dec 73
ANGIOTENSIN, blood/ CASE REPORT/
CHILD, PRESCHOOL/ DIAGNOSIS,
DIFFERENTIAL/ FOLLOW-UP STUDIES/
HUMAN/ *HYDRONEPHROSIS, complications/
HYDRONEPHROSIS, radiography/
HYDRONEPHROSIS, surgery/
*HYPERTENSION, RENAL, etiology/
HYPERTENSION, RENAL, radiography/
HYPERTENSION, RENAL, surgery/ KIDNEY
FUNCTION TESTS/ MALE/ NEPHRECTOMY/
RADIOIMMUNOASSAY/ RENAL ARTERY
OBSTRUCTION, radiography/ RENIN, blood/
UROGRAPHY
837. Davis RS, Roberts AP, Cockett AT: Plasma renin activity. Comparison of bioassay and radioimmunoassay techniques. *Urology* 1:582-4, Jun 73
ANGIOTENSIN, blood/ ANGIOTENSIN II,
blood/ ANIMAL EXPERIMENTS/
ANTIBODIES/ *BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ HUMAN/
HYPERTENSION, RENAL, blood/
*RADIOIMMUNOASSAY/ RATS/ *RENIN,
blood
838. Davis WM, Khalsa JH: Morphine lethality in rats: effects of inhibitors of brain catecholamine synthesis and methylation. *Res Commun Chem Pathol Pharmacol* 6:867-72, Nov 73
ALCOHOLS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BRAIN, enzymology/ *BRAIN,
metabolism/ CATECHOL
METHYLTRANSFERASE, antagonists &
inhibitors/ *CATECHOLAMINES, antagonists &
inhibitors/ CATECHOLAMINES, biosynthesis/
CYCLOHEPTANES, pharmacodynamics/
DOPAMINE BETA HYDROXYLASE,
antagonists & inhibitors/ DRUG SYNERGISM/
LETHAL DOSE 50/ MALE/ METHYLATION/
METHYLTYROSINES, pharmacodynamics/
MORPHINE, antagonists & inhibitors/
*MORPHINE, toxicity/ RATS/ THIAZOLES,
pharmacodynamics/ THIOUREA,
pharmacodynamics/ TIME FACTORS/
TYROSINE HYDROXYLASE, antagonists &
inhibitors
839. Deamer DW: Isolation and characterization of a lysolecithin-adenosine triphosphatase complex from lobster muscle microsomes. *J Biol Chem* 248:5477-85, 10 Aug 73
*ADENOSINE TRIPHOSPHATASE, isolation &
purification/ ADENOSINE TRIPHOSPHATASE,
metabolism/ ANIMAL EXPERIMENTS/
BINDING SITES/ BIOLOGICAL TRANSPORT/
CALCIUM, metabolism/ CENTRIFUGATION,
DENSITY GRADIENT/ EDTA/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ FREEZE ETCHING/ LOBSTERS/
*LYSOLECITHIN/ MEMBRANES, analysis/
MEMBRANES, metabolism/ MICROSCOPY,
ELECTRON/ MICROSOMES/ *MICROSOMES,
enzymology/ MOLECULAR WEIGHT/ MUSCLE
PROTEINS, analysis/ MUSCLES, cytology/
*MUSCLES, enzymology/ PHOSPHOLIPIDS,
analysis/ PROTEIN BINDING/
TEMPERATURE/ THERMODYNAMICS
840. Deasy MJ, Grotta LJ, Kennedy JE: The effect of estrogen, progesterone and cortisol on gingival inflammation. *J Periodont Res* 7:111-24, 1972
ANIMAL EXPERIMENTS/ CASTRATION/
*ESTROGENS, pharmacodynamics/ FEMALE/
*GINGIVITIS, chemically induced/
*HYDROCORTISONE, pharmacodynamics/
MALE/ MONKEYS/ *PERIODONTITIS,
chemically induced/ *PROGESTERONE,
pharmacodynamics/ VAGINA, cytology
841. Deb C, Sen Gupta J, Dey SK: The effect of oxythylamine on rat ovariectomy. *Fertil Steril* 24:962-71, Dec 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM,
enzymology/ DECIDUA, cytology/ DECIDUA,
enzymology/ FEMALE/ GLUCOSEPHOSPHATE
DEHYDROGENASE, metabolism/ GRAAFIAN
FOLLICLE, enzymology/
HISTOCYTOCHEMISTRY/ HYDROXYSTEROID
DEHYDROGENASES, metabolism/ LEUCINE
AMINOPEPTIDASE, metabolism/ MALE/
*NIDATION, drug effects/ OVARY, drug
effects/ OVARY, enzymology/ *OVARY,
metabolism/ PENTOSE/ PREGNANCY/
PROGESTERONE, pharmacodynamics/
PYRIMIDINES, pharmacodynamics/ RATS/
SUCCINATE DEHYDROGENASE, metabolism/
*THIAZOLES, pharmacodynamics/ UTERUS,
anatomy & histology
842. Debaln JJ: Faut-il opérer tous les nodules froids du corps thyroïde. *Cah Med* 14:417-8, 15 Jun 73 (Fre)
*ADENOMA, diagnosis/ *CYSTS, diagnosis/
HUMAN/ RADIOISOTOPE SCANNING/
THERMOGRAPHY/ *THYROID DISEASES,
surgery/ *THYROID NEOPLASMS, diagnosis/
ULTRASONICS, diagnostic use
843. Debes-Wezel M, Ellernbroeck U, Rieth H: Zur Behandlung von Unterschenkelnekrosen mit lokal wirksamen Kombinationspräparaten. *Med Klin* 68:1437-42, 2 Nov 73 (Ger)
ACETATES, therapeutic use/ CLINICAL
RESEARCH/ DRUG COMBINATIONS/
*ECZEMA, drug therapy/ ECZEMA,
microbiology/ ENGLISH ABSTRACT/
FEMALE/ FLUPREDNISOLONE, therapeutic
use/ GENTAMICIN, therapeutic use/ HUMAN/
HYDROCARBONS, CHLORINATED, therapeutic
use/ *LEG/ MALE/ MIDDLE AGE/
QUINOLINES, therapeutic use
844. Debrecenti L, Cséte B: A study on the role of pituitary ACTH in the aldosterone production of sodium depleted rats. *Endokrinologie* 61:293-6, May 73
*ALDOSTERONE, biosynthesis/ ANIMAL
EXPERIMENTS/ CORTICOSTERONE,
biosynthesis/ *CORTICOTROPIN, physiology/
DEXAMETHASONE, pharmacodynamics/ DIET,
SALT-FREE/ EPINEPHRINE,
pharmacodynamics/ MALE/ RATS/ *SODIUM,
pharmacodynamics/ TIME FACTORS
845. Deby C, Bacq ZM, Simon D: In vitro inhibition of the biosynthesis of a prostaglandin by gold and silver. *Biochem Pharmacol* 22:3141-3, 1 Dec 73
ANIMAL EXPERIMENTS/ DEPRESSION,
CHEMICAL/ *GOLD, pharmacodynamics/ IN
VITRO/ MALE/ PLATINUM,
pharmacodynamics/ PROSTAGLANDINS,
antagonists & inhibitors/ *PROSTAGLANDINS,
biosynthesis/ SEMINAL VESICLES,
metabolism/ *SILVER, pharmacodynamics/
TRITIUM
846. Decker DG, Mussey E, Williams TJ, et al: Proceedings: Grading of gynecologic malignancy: epithelial ovarian

AUTHOR SECTION

- cancer. Proc Natl Cancer Conf 7:223-31, 1973
 ADENOCARCINOMA, mortality/
 ADENOCARCINOMA, pathology/ CERVIX
 NEOPLASMS, pathology/
 CYSTADENOCARCINOMA, mortality/
 CYSTADENOCARCINOMA, pathology/
 CYSTADENOMA, MUCINOUS, pathology/
 FEMALE/ FOLLOW-UP STUDIES/ HUMAN/
 OVARIAN NEOPLASMS, mortality/ *OVARIAN
 NEOPLASMS, pathology/ PROGNOSIS/ TIME
 FACTORS
847. Decourt J: L'épreuve du clomiphène dans les
 aménorrhées de l'anorexie mentale (a propos de 26
 observations.
 Ann Med Interne (Paris) 124:841-5, Aug-Sep 73 (Fre)
 ADOLESCENCE/ ADULT/ AMENORRHEA,
 drug therapy/ *AMENORRHEA, etiology/
 *ANOREXIA NERVOSA, complications/ BODY
 WEIGHT/ *CLOMIPHENE, therapeutic use/
 ESTROGENS, secretion/ FEMALE/
 GONADOTROPINS, urine/ GONADOTROPINS,
 CHORIONIC, therapeutic use/ HUMAN/ LH,
 secretion/ MENSTRUATION/ OVARY/
 OVULATION/ PROGNOSIS/ PUBERTY/
 STEIN-LEVENTHAL SYNDROME, complications
848. De Crombrughe B, Pastan I: Regulation of gene
 expression by cyclic AMP in Escherichia coli.
 Symp Soc Exp Biol 27:365-9, 1973 (24 ref.)
 *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, metabolism/ BINDING
 SITES/ DNA, BACTERIAL/ *ESCHERICHIA
 COLI, metabolism/ *GENES, REGULATOR/
 OPERON/ PROTEIN BINDING/ REVIEW/
 RNA, BACTERIAL, biosynthesis/
 TRANSCRIPTION, GENETIC
849. Deftos LJ: Radioimmunoassay for calcitonin in
 medullary thyroid carcinoma.
 JAMA 227:403-6, 28 Jan 74
 *CALCITONIN, blood/ CALCIUM,
 administration & dosage/ CALCIUM,
 pharmacodynamics/ CARCINOMA, blood/
 *CARCINOMA, diagnosis/ GLUCAGON,
 administration & dosage/ GLUCAGON,
 pharmacodynamics/ HUMAN/ INFUSIONS,
 PARENTERAL/ RADIOIMMUNOASSAY/
 THYROID NEOPLASMS, blood/ *THYROID
 NEOPLASMS, diagnosis
850. De Gallardo MG, Piezzi RS: Serotonin content in the
 pineal gland of the antarctic penguin (Pygoscelis
 papua). Gen Comp Endocrinol 21:468-71, Dec 73
 ANIMAL EXPERIMENTS/ ANTARCTIC
 REGIONS/ *BIRDS/ CIRCADIAN RHYTHM/
 PHOTIC STIMULATION/ *PINEAL BODY,
 analysis/ SEASONS/ *SEROTONIN, analysis
851. Degani Y, Patchornik A: Cyanylation of sulfhydryl
 groups by 2-nitro-5-thiocyanobenzolac acid. High-yield
 modification and cleavage of peptides at cysteine
 residues. Biochemistry 13:1-11, 1 Jan 74
 ALANINE/ AMINO ACIDS, analysis/
 BENZOATES/ CARBON RADIOISOTOPES/
 CHEMISTRY/ *CYSTEINE/ CYSTINE/
 DISULFIDES/ ELECTROPHORESIS, PAPER/
 GLUTATHIONE/ HYDROGEN-ION
 CONCENTRATION/ INDICATORS AND
 REAGENTS/ KINETICS/ METHODS/ NITRO
 COMPOUNDS/ OXIDATION-REDUCTION/
 *PEPTIDES/ PEPTIDES, analysis/
 SPECTROPHOTOMETRY/ *SULFHYDRYL
 COMPOUNDS/ *THIOCYANATES
852. Degos R, Bonvalet D, Belaïch S, et al: Métastases
 cutanées avec calcosphérites révélatrices d'un
 psammome ovarien.
 Ann Dermatol Syphiligr (Paris) 100:373-4, 1973 (Fre)
 AGED/ CALCINOSIS/ CASE REPORT/
 *CYSTADENOMA, PAPILLARY, complications/
 FEMALE/ HUMAN/ LYMPHATIC
 METASTASIS/ NEOPLASM METASTASIS/
 *OVARIAN NEOPLASMS, complications/
 *SKIN NEOPLASMS
853. DeGroot LJ: Biochemical defects in thyroid hormone
 synthesis and their relation to endemic goiter.
 Acta Endocrinol [Suppl] (Kbb) 34-5, 1973
 DEFICIENCY DISEASES, metabolism/
 DEPRESSION, CHEMICAL/ *GOITER,
 ENDEMIC, metabolism/ IODINE/
 METABOLISM, INBORN ERRORS/
 PEROXIDASES/ STIMULATION, CHEMICAL/
 THYROGLOBULIN, biosynthesis/ *THYROID
 HORMONES, metabolism/ THYROTROPIN,
 metabolism
854. De Hertogh R, Thomas K, Hoet JJ, et al: Plasma levels of
 unconjugated estrogens in normal and diabetic
 pregnancies.
 Am J Obstet Gynecol 117:1078-9, 15 Dec 73
 ESTRADIOL, biosynthesis/ ESTRADIOL, blood/
 ESTROGENS, biosynthesis/ *ESTROGENS,
 blood/ FEMALE/ GESTATIONAL AGE/
 HUMAN/ *PREGNANCY/ *PREGNANCY IN
 DIABETES, blood/ RADIOIMMUNOASSAY
855. Deitch AD, Sawicki SG, Godman GC, et al:
 Enhancement of viral infectivity by cytochalasin.
 Virology 56:417-28, Dec 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
 pharmacodynamics/ ADENOVIRUS, drug
 effects/ ADENOVIRUS,
 growth & development/ CALCIUM
 RADIOISOTOPES/ CELL LINE/
 *CYTOCHALASIN B, pharmacodynamics/
 *CYTOCHALASINS, pharmacodynamics/
 CYTOTOGENIC EFFECT, VIRAL/
 DIMETHYL SULFOXIDE, pharmacodynamics/
 KIDNEY/ MONKEYS/ PARA-INFLUENZA
 VIRUSES, drug effects/ *PARA-INFLUENZA
 VIRUSES, growth & development/ PLAQUE
 ASSAY/ POLIOVIRUS, drug effects/
 *POLIOVIRUS, growth & development/
 POLIOVIRUS, metabolism/ RNA, VIRAL,
 biosynthesis/ TIME FACTORS/ TRITIUM/
 URIDINE, metabolism/ VACCINIA VIRUS,
 drug effects/ VACCINIA VIRUS, growth &
 development
856. Dekker A, Hutchinson JS: Effect of testosterone
 propionate on fine structure and gonadotrophin
 content of the female rat and hamster anterior
 pituitary.
 Z Zellforsch Mikrosk Anat 143:291-300, 18 Oct 73
 ANIMAL EXPERIMENTS/ BIOLOGICAL
 ASSAY/ FEMALE/ *FSH, analysis/
 HAMSTERS/ HYPERTROPHY/ *LH, analysis/
 MICE/ MICROSCOPY, ELECTRON/
 PITUITARY GLAND, analysis/ *PITUITARY
 GLAND, drug effects/ RATS/
 *TESTOSTERONE, pharmacodynamics/ TIME
 FACTORS
857. Delange F, Erbsmann F, Ermans AM: The incidence as a
 function of age of thyroid dysfunction for two
 populations living in a goitrogenic environment.
 Pathogenesis of endemic goiter.
 Acta Endocrinol [Suppl] (Kbb) 29-30, 1973
 ADAPTATION, PHYSIOLOGICAL/
 ADOLESCENCE/ ADULT/ AGE FACTORS/
 CHILD/ CHILD, PRESCHOOL/ GOITER,
 ENDEMIC, metabolism/ *GOITER, ENDEMIC,
 occurrence/ GOITER, ENDEMIC,
 physiology/ HALF-LIFE/ HUMAN/
 IODINE ISOTOPES, DIAGNOSTIC/
 PROTEIN-BOUND IODINE TEST/ *THYROID
 GLAND, physiology/ THYROID
 HORMONES, metabolism/ ZAIRE
858. Delcambre B, Thery JM, Delbart P, et al: La
 synoviorthèse par injection intra-articulaire d'acide
 osmique. Ses résultats dans la maladie rhumatoïde.
 J Belge Rhumatol Med Phys 28:49-58, Mar-Apr 73 (Fre)
 *ARTHRITIS, RHEUMATOID, drug therapy/
 DRAINAGE/ ENGLISH ABSTRACT/
 FOLLOW-UP STUDIES/ GLUCOCORTICOIDS,
 therapeutic use/ HUMAN/ INJECTIONS,
 INTRA-ARTICULAR/ OSMIUM, administration
 & dosage/ *OSMIUM, therapeutic use/
 SYNOVIAL FLUID
859. Delft AM van, Kaplanski J, Smellk PG: Circadian
 periodicity of pituitary-adrenal function after
 p-chlorophenylalanine administration in the rat.
 J Endocrinol 59:465-74, Dec 73
 *ADRENAL GLANDS, drug effects/ ANIMAL
 EXPERIMENTS/ BODY WEIGHT,
 drug effects/ BRAIN CHEMISTRY/

AUTHOR SECTION

- *CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ EATING, drug effects/ FEMALE/ MALE/ NOREPINEPHRINE, analysis/ ORGAN WEIGHT/ *PITUITARY GLAND, drug effects/ RATS/ RATS, INBRED STRAINS/ SEROTONIN, analysis/ STRESS
860. Delima A, Mohamed A, Yalla SV, et al: Prostatic carcinoma metastasizing to skin and subcutaneous tissues. *Urology* 2:663-5, Dec 73
ADENOCARCINOMA, mortality/ *ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ AGED/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ PROSTATIC NEOPLASMS, mortality/ *PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, surgery/ *SKIN NEOPLASMS, pathology/ TESTIS, surgery
861. Delivoria-Papadopoulos M, Coburn RF, Forster RE: Cyclic variation of rate of carbon monoxide production in normal women. *J Appl Physiol* 36:49-51, Jan 74
ADOLESCENCE/ ADULT/ *CARBON MONOXIDE, metabolism/ FEMALE/ *HEME, metabolism/ HUMAN/ LIVER, metabolism/ MALE/ *MENSTRUATION/ PERIODICITY/ PROGESTERONE, pharmacodynamics/ SEX FACTORS
862. Dellmann HD: Degeneration and regeneration of neurosecretory systems. *Int Rev Cytol* 36:215-315, 1973 (153 ref.)
ANIMAL EXPERIMENTS/ AXONS, metabolism/ CATECHOLAMINES, metabolism/ CIRCADIAN RHYTHM/ DIABETES INSIPIDUS, metabolism/ HISTOCYTOCHEMISTRY/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, cytology/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, metabolism/ HYPOTHALAMUS, secretion/ MICROSCOPY, ELECTRON/ *NERVE DEGENERATION/ *NERVE REGENERATION/ NEUROGLIA, cytology/ NEUROGLIA, metabolism/ NEURONS, cytology/ *NEURONS, metabolism/ REVIEW/ TESTIS, physiology/ TIME FACTORS/ VASOPRESSIN, metabolism/ VASOPRESSIN, secretion/ WATER, metabolism
863. DeLuca HF: Vitamin D metabolism: recent developments. *Triangle* 12:111-8, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CALCIUM, DIETARY, metabolism/ DIHYDROTACHYSTEROL, metabolism/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ INTESTINES, metabolism/ ISOMERISM/ KIDNEY, metabolism/ PARATHYROID HORMONE, physiology/ PHOSPHORUS, physiology/ RATS/ *VITAMIN D, metabolism
864. Dembinska M: Hypertbermia in self-stimulating dogs. *J Physiol (Paris)* 66:163-70, 1973
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ *BRAIN, physiology/ DOGS/ ELECTRIC STIMULATION/ HYPOTHALAMUS, physiology/ MALE/ RESPIRATORY FUNCTION TESTS/ *SELF STIMULATION/ SHIVERING
865. Den K, Fujii K, Yoshida T, et al: A simplified radioimmunoassay of human gravid plasma estriol. *Endocrinol Jap* 20:315-22, Jun 73
ANTIGENS/ CHROMATOGRAPHY/ *ESTRIOL, blood/ IMMUNE SERUMS/ METHODS/ *PREGNANCY/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TEMPERATURE/ TIME FACTORS
866. Denef C, Magnus C, McEwen BS: Sex differences and hormonal control of testosterone metabolism in rat pituitary and brain. *J Endocrinol* 59:605-21, Dec 73
ADRENALECTOMY/ AMYGDALOID BODY, metabolism/ ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CASTRATION/ CEREBELLUM, metabolism/ CEREBRAL ARTERIES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, pharmacodynamics/ FEMALE/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ PINEAL BODY, metabolism/ *PITUITARY GLAND, metabolism/ RATS/ SEX FACTORS/ *TESTOSTERONE, metabolism/ THYROIDECTOMY/ TRITIUM
867. Denham MJ, Sneath P, Walford DM: Treatment of a case of factor VIII inhibitor in an elderly female. *Gerontol Clin (Basel)* 15:10-4, 1973
AGED/ AZATHIOPRINE, therapeutic use/ BLOOD COAGULATION DISORDERS, immunology/ *BLOOD COAGULATION DISORDERS, therapy/ BLOOD TRANSFUSION/ CATTLE/ CEPHALINS, therapeutic use/ CRYOGLOBULINS/ CYCLOPHOSPHAMIDE, therapeutic use/ *FACTOR VIII, antagonists & inhibitors/ FACTOR VIII, therapeutic use/ FEMALE/ HEMOGLOBIN/ HUMAN/ KAOLIN, therapeutic use/ PREDNISOLONE, therapeutic use/ SWINE/ TIME FACTORS
868. De Nicola AF: Effect of chronic treatment with ACTH on 11 beta-hydroxylation in rat adrenal mitochondria. *Acta Physiol Lat Am* 23:178-82, 1973
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ *DESOXYCORTICOSTERONE, metabolism/ FEMALE/ HYDROXYLATION/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ *MITOCHONDRIA, metabolism/ NADP, metabolism/ ORGAN WEIGHT/ PROTEINS, biosynthesis/ RATS
869. Denton DA: The brain and sodium homeostasis. *Cond Reflex* 8:125-48, Jul-Sep 73
ALDOSTERONE, secretion/ ANGIOTENSIN, blood/ ANIMAL EXPERIMENTS/ APPETITE/ BRAIN, drug effects/ *BRAIN, physiology/ CONDITIONING, OPERANT/ DRINKING BEHAVIOR/ EVOLUTION/ HOMEOSTASIS/ HYPONATREMIA, metabolism/ HYPONATREMIA, metabolism/ KIDNEY TUBULES, metabolism/ MICE/ MONKEYS/ POTASSIUM, blood/ RATS/ SALIVARY GLANDS, metabolism/ SALIVATION/ SHEEP/ SODIUM, blood/ *SODIUM, metabolism/ SODIUM CHLORIDE, pharmacodynamics/ TASTE/ *WATER-ELECTROLYTE BALANCE
870. Depp R, Cox DW, Flon RJ, et al: Inhibition of the pregnenolone delta 5-3 beta hydroxysteroid dehydrogenase-delta 5-4 isomerase systems of human placenta and corpus luteum of pregnancy. *Gynecol Invest* 4:106-20, 1973
ANDROSTENOLS, pharmacodynamics/ *CORPUS LUTEUM, enzymology/ DEPRESSION, CHEMICAL/ ENZYME REPRESSION, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *HYDROXYSTEROID DEHYDROGENASES, antagonists & inhibitors/ *ISOMERASES, antagonists & inhibitors/ KETOSTEROIDS, pharmacodynamics/ MICROSOMES, enzymology/ *MULTIENZYME COMPLEXES, antagonists & inhibitors/ NITRILES, pharmacodynamics/ OXIDATION-REDUCTION/ OXYMETHOLONE, pharmacodynamics/ *PLACENTA, enzymology/ PREGNANCY/ PREGNENOLONE/ PROGESTERONE, biosynthesis
871. De Robertis EM Jr, Judewicz RD, Torres HN: On the control mechanism of bacterial growth by cyclic adenosine 3',5'-monophosphate. *Biochem Biophys Res Commun* 55:758-64, 10 Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE/ *CELL DIVISION, drug effects/ CULTURE MEDIA/ ENZYME INDUCTION/ ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, enzymology/ *ESCHERICHIA COLI, metabolism

AUTHOR SECTION

- GALACTOSE/ GALACTOSIDASE, hiosynthesis/
GLUCOSE/ GLYCERIN/ GLYCOSIDES/
MUTATION/ NITROSOGUANIDINES/
RECEPTORS, DRUG/ SPECTROPHOTOMETRY/
SULFHYDRYL COMPOUNDS/ THIAMINE/
TIME FACTORS
872. DeRoos R, DeRoos CC: Elevation of plasma glucose levels by mammalian ACTH in the spiny dogfish shark (*Squalus acanthias*).
Gen Comp Endocrinol 21:403-9, Dec 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR/
*CORTICOTROPIN, pharmacodynamics/
DEPRESSION, CHEMICAL/ FEMALE/ MALE/
*PITUITARY-ADRENAL SYSTEM/ *SHARKS,
physiology/ STARVATION/ TIME FACTORS
873. Desal HG, Antia FP: Fecal fat excretion far exceeding total fat intake: report of a case.
Indian J Med Sci 27:471-5, Jun 73
CASE REPORT/ *DIETARY FATS,
metabolism/ *FECEs, metabolism/ HUMAN/
*LIPIDS, metabolism/ MALE/ MIDDLE AGE/
PREDNISOLONE, therapeutic use/ SPRUE,
drug therapy/ *SPRUE, metabolism
874. Desal SN: Sudden gigantism of breasts: drug induced?
Br J Plast Surg 26:371-2, Oct 73
ADULT/ ARTHRITIS, RHEUMATOID, drug
therapy/ BODY WEIGHT/ *BREAST
DISEASES, chemically induced/ FEMALE/
HUMAN/ HYPERTROPHY, chemically induced/
MASTECTOMY/ ORGAN WEIGHT/
PENICILLAMINE, adverse effects/
PREDNISOLONE, adverse effects
875. Deschodt-Lanckman M, Robberecht P, Camus J, et al: Hormonal and dietary adaptation of rat pancreatic hydrolases before and after weaning.
Am J Physiol 226:39-44, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADRENALECTOMY/ AGE
FACTORS/ AMYLASE, metabolism/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
CHYMOTRYPSINOGEN, metabolism/ *DIET/
DIETARY CARBOHYDRATES/ DIETARY
FATS/ DIETARY PROTEINS/ FEMALE/
*GLUCAGON, pharmacodynamics/
*HYDROCORTISONE, pharmacodynamics/
*HYDROLASES, metabolism/ LIPASE,
metabolism/ MALE/ PANCREAS, embryology/
*PANCREAS, enzymology/ PANCREAS, growth
& development/ PREGNANCY/ RATS/
*THYROXINE, pharmacodynamics/ TIME
FACTORS/ TRYPSINOGEN, metabolism/
*WEANING
876. De Scutter A, Hanocq F: Etude de la synthèse du DNA dans les oocytes de *Xenopus laevis*.
Arch Int Physiol Biochim 81:798, Oct 73 (Fre)
ANIMAL EXPERIMENTS/ CENTRIFUGATION,
DENSITY GRADIENT/ CHROMOSOMES,
metabolism/ CYTOPLASM, metabolism/ *DNA,
hiosynthesis/ DNA NUCLEOTIDYL-
TRANSFERASES, metabolism/ FEMALE/ IN
VITRO/ MITOCHONDRIA, metabolism/ OVUM,
drug effects/ OVUM, enzymology/ *OVUM,
metabolism/ PROGESTERONE,
pharmacodynamics/ THYMIDINE, metabolism/
TRITIUM/ VITELLINE MEMBRANE,
metabolism/ *XENOPUS
877. Desfosses B, Lauzon S de, Judas O, et al: Excrétion urinaire des estrogènes non conjugués au cours du cycle, de la grossesse et après stimulation par HMG ou HC.
Steroids Lipids Res 4:86-97, Mar 73 (Fre)
COMPARATIVE STUDY/ DRUG STABILITY/
ENGLISH ABSTRACT/ *ESTRADIOL, urine/
*ESTRIOL, urine/ *ESTRONE, urine/
FEMALE/ GEL FILTRATION/
*GONADOTROPINS, CHORIONIC,
pharmacodynamics/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ *MENOTROPINS,
pharmacodynamics/ *MENSTRUATION/
*PREGNANCY/ RABBITS, immunology/
RADIOIMMUNOASSAY/ STERILITY/ TIME
FACTORS/ TRITIUM
878. Deshmukh VD, Harper AM: The effect of serotonin on cerebral and extracerebral blood flow with possible implications in migraine.
Acta Neurol Scand 49:649-58, 1973
ANIMAL EXPERIMENTS/ BABOONS/ BLOOD
FLOW VELOCITY/ CARBON DIOXIDE, blood/
CAROTID ARTERY, EXTERNAL/ CAROTID
ARTERY, INTERNAL/ *CEREBROVASCULAR
CIRCULATION, drug effects/ DEPRESSION,
CHEMICAL/ ELECTROMAGNETICS/ FACIAL
MUSCLES, blood supply/ INJECTIONS,
INTRA-ARTERIAL/ MONKEYS/
RADIOISOTOPES/ REGIONAL BLOOD FLOW,
drug effects/ SEROTONIN, administration &
dosage/ *SEROTONIN, pharmacodynamics/
STIMULATION, CHEMICAL/ XENON
879. Deshpande N, Yates J: Proceedings: Regulation of human adrenal androstenedione synthesis in vitro.
J Endocrinol 59:xxxv, Nov 73
*ADRENAL GLANDS, metabolism/
*ANDROGENS, hiosynthesis/
ANDROSTENEDIONE, hiosynthesis/ HUMAN/
IN VITRO/ *17-KETOSTEROIDS, hiosynthesis/
PREGNENOLONE, pharmacodynamics/
PROGESTERONE, pharmacodynamics
880. Detre SI, Gazet JC: Transplantation of human tumour to immune deprived mice treated with anti-thymocyte serum. Br J Cancer 28:412-6, Nov 73
ADENOCARCINOMA, immunology/ ANIMAL
EXPERIMENTS/ BONE MARROW/ BREAST
NEOPLASMS, immunology/ CARCINOMA,
immunology/ CARCINOMA, DUCTAL,
immunology/ CARCINOMA, EPIDERMOID,
immunology/ CARCINOMA, PAPILLARY/
COLONIC NEOPLASMS/ HUMAN/ IMMUNE
SERUMS/ IMMUNITY, radiation effects/
MICE/ NEOPLASM TRANSPLANTATION/
*NEOPLASMS, immunology/ PANCREATIC
NEOPLASMS, immunology/ RADIATION
EFFECTS/ RECTAL NEOPLASMS,
immunology/ STOMACH NEOPLASMS,
immunology/ THYMECTOMY/ THYMUS
GLAND, cytology/ *THYMUS GLAND,
immunology/ THYROID NEOPLASMS,
immunology
881. Devani MB, Shishoo CJ, Shah MG: Detection of thioureas, thiosemicarbazides and monothiosemicarbazones with 2,3-dichloro-1,4-naphthoquinone.
Analyst 98:759-61, Oct 73
COLORIMETRY/ HYDROGEN-ION
CONCENTRATION/ INDICATORS AND
REAGENTS/ METHODS/
*NAPHTHOQUINONES/ THIOCYANATES,
analysis/ *THIOSEMICARBAZONES, analysis/
*THIOUREA, analysis
882. Devi KS, Reddy LR: Studies on autonomic nervous influence on the vascular response to oxytocin.
Indian J Med Sci 27:456-60, Jun 73
ANIMAL EXPERIMENTS/ *ATROPINE,
pharmacodynamics/ *BLOOD PRESSURE, drug
effects/ *CAROTID SINUS, innervation/
DOGS/ ESTRADIOL, pharmacodynamics/
FEMALE/ MALE/ *OXYTOCIN,
pharmacodynamics/ PHENTOLAMINE,
pharmacodynamics/ PHYSOSTIGMINE,
pharmacodynamics/ RESERPINE,
pharmacodynamics/ *SYMPATHETIC NERVOUS
SYSTEM, physiology/ VAGOTOMY/ *VAGUS
NERVE, physiology
883. De Vita VT, Canellos GP, Schein PJ, et al: Proceedings: Malignant lymphoma: treatment with combination chemotherapy.
Proc Natl Cancer Conf 7:379-90, 1973 (36 ref.)
ADOLESCENCE/ ADULT/ AGED/
ALKYLATING AGENTS, therapeutic use/
*ANTINEOPLASTIC AGENTS, therapeutic use/
CARMUSTINE, therapeutic use/
CYCLOPHOSPHAMIDE, therapeutic use/
DRUG THERAPY, COMBINATION/ FEMALE/
FOLLOW-UP STUDIES/ HODGKIN'S DISEASE,
drug therapy/ HUMAN/ *LYMPHOMA, drug
therapy/ LYMPHOSARCOMA, drug therapy/
MALE/ METHOTREXATE, therapeutic use/
MIDDLE AGE/ PREDNISONE, therapeutic use/
PROCARBAZINE, therapeutic use/

AUTHOR SECTION

- REMISSION/ REVIEW/ SARCOMA,
RETICULUM CELL, drug therapy/ VINCA
ALKALOIDS, therapeutic use/ VINCRISTINE,
therapeutic use
884. Deykin D: Emerging concepts of platelet function.
N Engl J Med 290:144-51, 17 Jan 74 (17 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ BLOOD CELL COUNT/ BLOOD
COAGULATION/ BLOOD COAGULATION
FACTORS/ BLOOD COAGULATION TESTS/
*BLOOD PLATELET DISORDERS/ BLOOD
PLATELET DISORDERS, blood/ BLOOD
PLATELET DISORDERS, classification/ BLOOD
PLATELET DISORDERS, diagnosis/ BLOOD
PLATELET DISORDERS, familial & genetic/
BLOOD PLATELETS, cytology/ BLOOD
PLATELETS, drug effects/ BLOOD
PLATELETS, metabolism/ *BLOOD
PLATELETS, physiology/ COLLAGEN,
physiology/ DIAGNOSIS, DIFFERENTIAL/
FACTOR VIII/ HEMOSTASIS/ HUMAN/
INFLAMMATION, blood/ PLATELET
ADHESIVENESS/ PROSTAGLANDINS,
physiology/ REVIEW
885. Díaz Fernández A, Grau Linares V, Shum C, et al:
Hiperaldosteronismo primario (comentarlo con
presentación de un caso).
Rev Clin Esp 130:447-52, 15 Sep 73 (Spa)
ADULT/ CASE REPORT/ FEMALE/ HUMAN/
*HYPERALDOSTERONISM
886. Dickinson SJ: Structural abnormalities in the
undescended testis. J Pediatr Surg 8:523-7, Aug 73
ARTERIES, abnormalities/ CHILD/ CHILD,
PRESCHOOL/ *CRYPTORCHISM/
CRYPTORCHISM, surgery/ EPIDIDYMITIS,
abnormalities/ HUMAN/ INFANT, NEWBORN/
INFARCTION, complications/ MALE/
SEMINAL VESICLES, abnormalities/ *TESTIS,
abnormalities/ TESTIS, blood supply/ TESTIS,
embryology/ TESTIS, pathology/ URINARY
TRACT, abnormalities/ VAS DEFERENS,
abnormalities
887. Dickman Z, Day SK: Proceedings: Two theories: the
preimplantation embryo is a source of steroid
hormones controlling (1) morula-blastocyst
transformation and (2) implantation.
J Reprod Fertil 35:615-7, Dec 73
ANIMAL EXPERIMENTS/ *BLASTOCYST/
ESTROGENS, biosynthesis/ FEMALE/
HISTOCYTOCHEMISTRY/ *HYDROXYSTEROID
DEHYDROGENASES, metabolism/ *NIDATION/
*OVUM, enzymology/ PROGESTERONE,
biosynthesis/ RATS/ TIME FACTORS
888. Diemlinger L: Freie und Membrangebundene
Ribosomen in der Rattenleber: Tagesrhythmik und
hormonale einflüsse.
Z Naturforsch [C] 28:66-71, Jan-Feb 73 (Ger)
ANIMAL EXPERIMENTS/ CIRCADIAN
RHYTHM/ CORTICOSTERONE,
pharmacodynamics/ ENGLISH ABSTRACT/
FASTING/ HYDROCORTISONE,
pharmacodynamics/ LIVER, cytology/ LIVER,
drug effects/ *LIVER, physiology/
PHOTOMETRY/ RATS/ *RIBOSOMES/
RIBOSOMES, drug effects
889. Dierauf LA, Gowdey AC, Mulholland SG: Bacterial
invasion of the urinary tract by way of the vaginal
route in the rat. Surg Gynecol Obstet 138:62-4, Jan 74
ANIMAL EXPERIMENTS/ *BACTERIAL
INFECTIONS/ BLADDER, analysis/
COLLOIDS/ FEMALE/ KIDNEY, analysis/
LIVER, analysis/ LYMPHATIC SYSTEM,
analysis/ *LYMPHATIC SYSTEM,
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SPLEEN, analysis/ TECHNETIUM, analysis/
TECHNETIUM, blood/ TECHNETIUM, urine/
THYROID GLAND, analysis/ URETHRA,
analysis/ *URINARY TRACT INFECTIONS,
etiology/ *VAGINITIS, complications
890. Dierichs R, Wrobel KH, Schilling E: Licht- und
elektronenmikroskopische Untersuchungen an den
Leydigzellen des Schweines während der postnatalen
Entwicklung.
Z Zellforsch Mikrosk Anat 143:207-27, 1973 (Ger)
ANIMAL EXPERIMENTS/ BASEMENT
MEMBRANE/ ENDOPLASMIC RETICULUM/
FREEZE ETCHING/ HYPERTROPHY/
*LEYDIG CELLS, growth & development/
LYSOSOMES/ MICROSCOPY/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/
POLYRIBOSOMES/ PUBERTY/ REGRESSION/
SWINE/ TESTIS
891. Dierickx K, Vandenbergh MP, Goossens N:
Identification of adenohipophysiotropic
neurohormone producing neurosecretory cells in
Rana temporaria. II. Identification, in the median
eminence, of the terminal arborizations of axons of
the tubero-hipophysial neurosecretory system.
Z Zellforsch Mikrosk Anat 142:479-513, 1973
ANIMAL EXPERIMENTS/ AXONS/
CAPILLARIES/ FROGS/
HYPOTHALAMO-HYPOPHYSIAL SYSTEM,
blood supply/
*HYPOTHALAMO-HYPOPHYSIAL SYSTEM,
cytology/ MICROSCOPY, ELECTRON/
*NEUROSECRETORY SYSTEMS, cytology/
*RANA TEMPORARIA, anatomy & histology
892. Dierschke DJ, Weiss G, Knobil E: Sexual maturation in
the female rhesus monkey and the development of
estrogen-induced gonadotropic hormone release.
Endocrinology 91:198-206, Jan 74
ANIMAL EXPERIMENTS/ ESTRADIOL,
administration & dosage/ ESTRADIOL, blood/
*ESTRADIOL, pharmacodynamics/ FEEDBACK/
FEMALE/ FSH, blood/ *FSH, secretion/
HYPOTHALAMO-HYPOPHYSIAL SYSTEM,
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*HYPOTHALAMO-HYPOPHYSIAL SYSTEM,
metabolism/ INJECTIONS, SUBCUTANEOUS/
LH, blood/ *LH, secretion/ MACACA/
MENARCHE/ MONKEYS/ OVULATION/
PROGESTERONE, blood/ PROGESTERONE,
pharmacodynamics
893. Dietrich-Rap Z, Dzidusko J: Przypadek guza mózgu ze
zwiększoną eozynofilią w krwi.
Neurol Neurochir Pol 7:749-51, Sep-Oct 73 (Pol)
ADULT/ *BRAIN NEOPLASMS, complications/
BRAIN NEOPLASMS, surgery/ CEREBRAL
ANGIOGRAPHY/ DEXAMETHASONE,
therapeutic use/ EOSINOPHILIA,
drug therapy/ *EOSINOPHILS/ FEMALE/
HUMAN/ LEUKOCYTE COUNT/
*MENINGIOMA, complications/ MENINGIOMA,
surgery/ SELLA TURCICA
894. Dietzman RH, Beckman CB, Lillehei RC: Pharmacologic
and mechanical support for managing cardiogenic
shock. Geriatrics 28:69-79, Dec 73
AGED/ ANIMAL EXPERIMENTS/ AORTA,
surgery/ *ASSISTED CIRCULATION/
COMPARATIVE STUDY/ EPINEPHRINE,
blood/ FEMALE/ HEART ATRIUM, surgery/
HEART, MECHANICAL/ HEMODYNAMICS/
HUMAN/ LACTATES, blood/
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MIDDLE AGE/ MYOCARDIAL INFARCT,
physiopathology/ MYOCARDIAL INFARCT,
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CARDIOGENIC, drug therapy/ SHOCK,
CARDIOGENIC, mortality/ SHOCK,
CARDIOGENIC, physiopathology/ *SHOCK,
CARDIOGENIC, therapy/ VASCULAR
RESISTANCE, drug effects/ VASODILATOR
AGENTS, therapeutic use
895. Dietzman RH, Lillehei RC, Shatney CH: Therapeutic
effects of corticosteroids in septic shock.
Acta Chir Belg 72:308-30, Jul 73
ADRENAL CORTEX HORMONES,
pharmacodynamics/ *ADRENAL CORTEX
HORMONES, therapeutic use/ ANIMAL
EXPERIMENTS/ BACTERIAL INFECTIONS,
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NEGATIVE BACTERIA/ HEMATOCRIT/
HEMODYNAMICS, drug effects/ LACTATES,
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CONSUMPTION, drug effects/ SEPTICEMIA,

AUTHOR SECTION

- complications/ *SEPTICEMIA, drug therapy/
*SHOCK, ENDOTOXIC, drug therapy/
VASCULAR RESISTANCE, drug effects
896. Dilawari JB, Newman A, Poleo J, et al: Proceedings: The effect of prostaglandins and of anti-inflammatory drugs on the oesophagus and the cardiac sphincter in man. Gut 14:822, Oct 73
*ESOPHAGUS, drug effects/ GASTRIN, blood/
HUMAN/ *INDOMETHACIN,
pharmacodynamics/ PENTAGASTRIN,
pharmacodynamics/ PERFUSION/
*PROSTAGLANDINS, pharmacodynamics
897. DiIberto EJ Jr, DiStefano V: Effects of 2-mercaptoethylguanidine and other compounds on norepinephrine synthesis by adrenal medullary granules. Biochem Pharmacol 22:2947-60, 1 Dec 73
ADENOSINE TRIPHOSPHATE, metabolism/
ADRENAL MEDULLA, cytology/ *ADRENAL
MEDULLA, metabolism/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CATECHOLAMINES, metabolism/ CATTLE/
CHROMATOGRAPHY, PAPER/ COPPER,
metabolism/ DANSYL COMPOUNDS,
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HYDROXYMERCURIBENZOATES,
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*NOREPINEPHRINE, biosynthesis/
RESERPINE, pharmacodynamics/
SPECTROPHOTOMETRY, ULTRAVIOLET/
STIMULATION, CHEMICAL/ SULFHYDRYL
COMPOUNDS, pharmacodynamics/ TIME
FACTORS
898. DiIberto EJ Jr, DiStefano V, Smith JC: Mechanism and kinetics of the inhibition of dopamine-beta-hydroxylase by 2-mercaptoethylguanidine. Biochem Pharmacol 22:2961-72, 1 Dec 73
ADRENAL MEDULLA, enzymology/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CATALASE, pharmacodynamics/ CATTLE/
DOPAMINE, metabolism/ *DOPAMINE BETA
HYDROXYLASE, antagonists & inhibitors/
*GUANIDINES, pharmacodynamics/ IN VITRO/
KINETICS/ NOREPINEPHRINE, biosynthesis/
STIMULATION, CHEMICAL/
STRUCTURE-ACTIVITY RELATIONSHIP/
SULFHYDRYL COMPOUNDS,
pharmacodynamics/ TIME FACTORS
899. Dimitrov G: Polovokhromatinova karakteristika na raka na mlechnata zheza. Khirurgia (Sofia) 26:335-9, 1973 (Bul)
*BREAST NEOPLASMS, pathology/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ *SEX
CHROMATIN, analysis
900. Dinaburg GD, Lauta AD, Eldel'man FM, et al: Histahlohuin pry dientsesal'nykh sindromakh. Fiziol Zh 19:892-8, Sep-Oct 73 (Ukr)
*DIENCEPHALON, drug effects/ *ENDOCRINE
DISEASES, drug therapy/ ENGLISH
ABSTRACT/ *GAMMA GLOBULIN, therapeutic
use/ *HISTAMINE, therapeutic use/ HUMAN
901. Dinaburg GD, Volkov IO: Rol' hipotalamusa v rehulatsii m'lazovoho tonusu. Fiziol Zh 19:875-83, Sep-Oct 73 (Ukr)
*DIENCEPHALON, physiology/
ELECTROMYOGRAPHY/ ENGLISH
ABSTRACT/ HUMAN/ *HYPOTHALAMUS,
physiology/ *MUSCLE TONUS
902. Dingman RO: Factors of clinical significance affecting wound healing. Laryngoscope 83:1540-55, Sep 73 (19 ref.)
AGING/ AGRANULOCYTOSIS, complications/
ANEMIA, physiology/ ANIMAL
EXPERIMENTS/ ASCORBIC ACID,
pharmacodynamics/ CICATRIX, growth &
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CONTRACTURE/ DRAINAGE/ ENDOTHELIUM,
growth & development/ FIBROBLASTS,
growth & development/ FOREIGN BODIES/
GRANULATION TISSUE, growth &
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HUMAN/ NEUTROPHILS/ PROTEIN
DEFICIENCY, complications/ RECURRENCE/
REVIEW/ SKIN, injuries/ SKIN,
physiology/ STEROIDS,
pharmacodynamics/ STRESS, MECHANICAL/
SURGERY, OPERATIVE/ *WOUND HEALING,
drug effects/ WOUND INFECTION
903. DiNicola AF: Letter: Esoteric role of insulin in aldosterone secretion. N Engl J Med 290:109-10, 10 Jan 74
*ALDOSTERONE, secretion/ HUMAN/
*INSULIN, physiology/ INSULIN, secretion/
POTASSIUM, metabolism/ SODIUM,
metabolism
904. Dinulescu E, Ganea E, Mălcănescu-Georgescu M: Considerații privind relațiile dintre valorile acidului neuraminic și morfologia spermelor la om. Stud Cercet Endocrinol 24:509-15, 1973 (Rum)
ADDISON'S DISEASE, physiology/
ADULT/ CUSHING'S SYNDROME,
physiology/ ENDOCRINE DISEASES,
physiology/ HUMAN/ MALE/ MIDDLE
AGE/ *NEURAMINIC ACIDS, analysis/
PITUITARY NEOPLASMS, physiology/
*SEMEN, analysis/ *SPERMATOOZOA, analysis/
STERILITY, MALE, physiology
905. Diosi P, David C: Letter: Hormonal protection of cytomegalovirus-infected cell. Lancet 2:1503-4, 29 Dec 73
ANIMAL EXPERIMENTS/ CELLS,
CULTURED/ CYTOMEGALIC INCLUSION
DISEASE, blood/ CYTOMEGALIC INCLUSION
DISEASE, etiology/ *CYTOMEGALOVIRUSES,
pathogenicity/ CYTOPATHOGENIC EFFECT,
VIRAL/ HUMAN/ *HYDROCORTISONE,
pharmacodynamics/
HYDROXYCORTICOSTEROIDS, blood/
SQUIRRELS/ *VITAMIN A, pharmacodynamics/
VITAMIN A DEFICIENCY, complications
906. DiPaolo JA, Popescu NC: Distribution of chromosome constitutive heterochromatin of Syrian hamster cells transformed by chemical carcinogens. Cancer Res 33:3259-64, Dec 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ BENZOPYRENES/
*CARCINOGENS/ CELL LINE/ *CELL
TRANSFORMATION, NEOPLASTIC/
*CHROMOSOMES, analysis/ DNA, NEOPLASM/
DNA REPLICATION/ HAMSTERS/
*HETEROCHROMATIN/ KARYOTYPING/
NEOPLASMS, EXPERIMENTAL, chemically
induced/ SEX CHROMATIN, analysis/ SEX
CHROMOSOMES, analysis/ THYMIDINE,
metabolism/ TRITIUM
907. Dirnikis S, Munro DS: Comparative studies on the reduction of the response to the long-acting thyroid stimulator by soluble fractions from human, ovine, bovine and porcine thyroids. J Endocrinol 59:579-92, Dec 73
ANIMAL EXPERIMENTS/ BINDING SITES/
CATTLE/ COMPARATIVE STUDY/ FREEZE
DRYING/ GEL FILTRATION/ HEAT/
HUMAN/ IODINE RADIOISOTOPES/
*LONG-ACTING THYROID STIMULATOR,
administration & dosage/ MICE/ SHEEP/
SWINE/ THIOCYANATES, pharmacodynamics/
THYROID GLAND, drug effects/ *THYROID
GLAND, physiology/ THYROIDECTOMY/
*TISSUE EXTRACTS, pharmacodynamics
908. Di Stefano V, Nixon JE: Skin and fat atrophy complications of local steroid injection. Pa Med 77:38, Jan 74
*ADIPOSE TISSUE/ *ADRENAL CORTEX
HORMONES, adverse effects/ ADRENAL
CORTEX HORMONES, therapeutic use/
ATROPHY, chemically induced/ HUMAN/
INJECTIONS, INTRADERMAL,
adverse effects/ INJECTIONS,
SUBCUTANEOUS, adverse effects/
PIGMENTATION DISORDERS, chemically
induced/ *SKIN DISEASES,
chemically induced/ SOLUBILITY

AUTHOR SECTION

909. Distiller LA, Joffe BI, Seftel HC: Letter: Adrenergic-blocking drugs in hyperthyroidism. Ann Intern Med 79:899-900, Dec 73
*ADRENERGIC ALPHA RECEPTOR
BLOCKADERS, therapeutic use/
*ADRENERGIC BETA RECEPTOR
BLOCKADERS, therapeutic use/ BENZYL COMPOUNDS, administration & dosage/
BENZYL COMPOUNDS, adverse effects/
BENZYL COMPOUNDS, therapeutic use/
DRUG EVALUATION/ GUANIDINES, administration & dosage/ GUANIDINES, adverse effects/ *GUANIDINES, therapeutic use/ HEART RATE, drug effects/
*HYPERTHYROIDISM, drug therapy/
PRACTOLOL, administration & dosage/
*PRACTOLOL, therapeutic use/
PROPRANOLOL, administration & dosage/
*PROPRANOLOL, therapeutic use
910. Distler A, Just HJ, Philipp T: Studies on the mechanism of aldosterone-induced hypertension in man. Clin Sci Mol Med 45:743-50, Dec 73
ADULT/ BLOOD PRESSURE/ CARDIAC OUTPUT/ CHROMIUM RADIOISOTOPES/
EXTRACELLULAR SPACE/ FEMALE/ HEART RATE/ HEMATOCRIT/ HUMAN/
*HYPERALDOSTERONISM, complications/
*HYPERTENSION, etiology/ IODINE RADIOISOTOPES/ MALE/ MIDDLE AGE/
PLASMA VOLUME/ POTASSIUM, blood/
RENIN, blood/ SPIRONOLACTONE, therapeutic use/ VASCULAR RESISTANCE
911. Diver MJ, Cawood ML, Heys RF, et al: The excretion of 17-deoxycorticosteroids by women pregnant with a normal or an anencephalic fetus. Clin Endocrinol (Oxf) 2:227-32, Jul 73
*ANENCEPHALUS/ CONTRACEPTIVES, ORAL/ *DESOXYCORTICOSTERONE, urine/
FEMALE/ *FETAL DISEASES/ HUMAN/
11-HYDROXYCORTICOSTEROIDS, urine/
HYDROXYCORTICOSTEROIDS, urine/
*PREGNANCY/ *PREGNENEDIONES, urine
912. Divla F, Presl J, Stroufová A, et al: Kombinace ACTH, dexametazonu a HCG v diferenciální diagnostice hlísnutímu a polycystických ovarií. Česk Gynecol 38:827-9, Sep 73 (Cze)
*CORTICOTROPIN, diagnostic use/
*DEXAMETHASONE, diagnostic use/
DIAGNOSIS, DIFFERENTIAL/ FEMALE/
*GONADOTROPINS, CHORIONIC, diagnostic use/
*HIRSUTISM, diagnosis/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, urine/
17-KETOSTEROIDS, urine/ *OVARIAN CYSTS, diagnosis/ RADIOIMMUNOASSAY
913. Diwan BA: Strain-dependent teratogenic effects of 1-ethyl-1-nitrosourea in inbred strains of mice. Cancer Res 34:151-7, Jan 74
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BONE AND BONES, abnormalities/ BRAIN, abnormalities/ EYE, abnormalities/ FEMALE/ FETAL DEATH/
*FETUS, drug effects/ GESTATIONAL AGE/
MATERNAL-FETAL EXCHANGE/ MICE/
MICE, INBRED AKR/ MICE, INBRED C57BL/
MICE, INBRED DBA/ *MICE, INBRED STRAINS/
*NITROSOUREA COMPOUNDS, toxicity/ PREGNANCY/ SPECIES SPECIFICITY
914. Dixit VP: Hypothalamo-hypophysial neurosecretion. II. Hypophysectomy, ACTH and metoprolol treatment in Bufo anderssoni. Folia Biol (Krakow) 21:319-27, 1973
ANIMAL EXPERIMENTS/ BUFO/
*CORTICOTROPIN, pharmacodynamics/
HYPOPHYSECTOMY/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ *METYRAPONE, pharmacodynamics/ *NEUROSECRETION, drug effects
915. Dixit VP, Niemi M: Action of testosterone administered neonatally on the rat perineal complex. J Endocrinol 59:379-80, Nov 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ ANUS/ BODY WEIGHT/
CASTRATION/ MALE/ MUSCLES, drug effects/ ORGAN WEIGHT/ *PENIS, drug effects/ *PERINEUM, drug effects/ RATS/
*TESTOSTERONE, pharmacodynamics
916. Dmitrieva NP: Elektronnomikroskopicheskiy analiz differentsirovki kletochnykh organoidov schitovidnoi zhelezy krysy v protsesse embriogeneza. Arkh Anat Gistol Embriol 85:58-68, Sep 73 (Rus)
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ DESMOSOMES/
ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FEMALE/ GERM-FREE LIFE/
GOLGI APPARATUS/ PREGNANCY/ RATS/
RIBOSOMES/ *THYROID GLAND, embryology
917. Dmitrieva NP, Amirkanian EA: Sravitel'noe elektronnotsitokhmicheskoe izuchenie raspredeleniya suksinatdehidrogenazy v mitokondriakh normal'nykh, giperplazirovannykh i opukholevykh kletok shchitovidnoi zhelezy krysy. Tsitolgija 15:158-60, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/
HISTOCYTOCHEMISTRY/ HYPERPLASIA, chemically induced/ *HYPERPLASIA, enzymology/ HYPERPLASIA, pathology/
METHYLTHIOURACIL/ MICROSCOPY, ELECTRON/ *MITOCHONDRIA, enzymology/
NEOPLASM TRANSPLANTATION/
NEOPLASMS, EXPERIMENTAL, enzymology/
NEOPLASMS, EXPERIMENTAL, pathology/
RATS/ *SUCCINATE DEHYDROGENASE, metabolism/ *THYROID NEOPLASMS, enzymology/ THYROID NEOPLASMS, pathology
918. Dobbing J: The later growth of the brain and its vulnerability. Pediatrics 53:2-6, Jan 74 (15 ref.)
ANIMAL EXPERIMENTS/ *BRAIN, growth & development/ CELL DIVISION/ CEREBELLUM, growth & development/ DENDRITES/ FETUS, growth & development/ GESTATIONAL AGE/
GUINEA PIGS/ HUMAN/ MICE/ NEURONS, growth & development/ ORGAN WEIGHT/
PLACENTA DISORDERS, complications/
PREGNANCY/ RATS/ REVIEW/ SWINE/ SYNAPSES
919. Dobkin AB, Pieloch PA: The metabolic effects of neuroleptanesthesia. Int Anesthesiol Clin 11:155-69, Fall 73 (31 ref.)
ALANINE AMINOTRANSFERASE, blood/
ANIMAL EXPERIMENTS/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD/
BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CARBON DIOXIDE, blood/
CATECHOLAMINES, blood/ DOGS/
DROPERIDOL, administration & dosage/
FENTANYL, administration & dosage/
HUMAN/ HYDROCORTISONE, blood/
HYDROGEN-ION CONCENTRATION/ MALE/
*METABOLISM, drug effects/
*NEUROLEPTOANALGESIA, adverse effects/
NITROUS OXIDE, administration & dosage/
POTASSIUM, blood/ PREMEDICATION/
RESPIRATION, ARTIFICIAL/ REVIEW/
STRESS, PSYCHOLOGICAL
920. Dobosz-Latalaska C, Sanecka-Obacz M, Kozłowska T: Aminoacyduria i aminoacydemia w przypadku choroby marmurowej. Wlad Lek 26:2019-23, 1 Nov 73 (Pol)
*AMINO ACIDS, blood/ *AMINOACIDURIA, RENAL, complications/ ENGLISH ABSTRACT/
FEMALE/ GLYCINE, urine/ HUMAN/
INFANT/ OSTEOPETROSIS, blood/
*OSTEOPETROSIS, complications/
OSTEOPETROSIS, urine/ SERINE, urine
921. Dobrin BIu, Zaretskii MM, Vakhtina TI: Gormonal'naya sktivnost' nadpochecznikov u bol'nykh s pervichnym porazheniem gipotalamicheskoi oblasti. Sov Med 36:8-11, Sep 73 (Rus)
*ADRENAL GLANDS, physiopathology/
ADULT/ ANDROGENS, urine/ *BRAIN DISEASES, physiopathology/
CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/
HYDROCORTISONE, urine/
HYPOTHALAMUS/ MALE

AUTHOR SECTION

922. Dobrotina AF, Khamad'lanov UR: O patogeneze disfunktsional'nykh matochnykh krvotekhenif. Sov Med 36:110-4, Apr 73 (Rus)
ADULT/ BODY TEMPERATURE/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, PITUITARY, urine/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiotherapy/ *OVARY, physiotherapy/ PREGNANEDIOL, urine/ *UTERINE HEMORRHAGE, etiology/ *UTERINE HEMORRHAGE, physiotherapy
923. Dobson H: Proceedings: The effect of HCG on follicular activity in the cow. J Reprod Fertil 35:805, Dec 73
ANIMAL EXPERIMENTS/ CATTLE/ CORPUS LUTEUM, physiology/ DEPRESSION, CHEMICAL/ *ESTRADIOL, blood/ FEMALE/
*GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ LH, blood/
*PROGESTERONE, blood
924. Doerr-Schott J, Dubols MP: Détection par immunofluorescence des cellules corticotropes et mélanotropes dans l'hypophyse de la grenouille, Rana temporaria L., au cours du développement. Z Zellforsch Mikrosk Anat 142:571-80, 1973 (Fre)
ANIMAL EXPERIMENTS/ CORTICOTROPIN/ ENGLISH ABSTRACT/ FLUORESCENT ANTIBODY TECHNIC/ FROGS/ LARVA/ METAMORPHOSIS, BIOLOGICAL/ MSH/
*PITUITARY GLAND, cytology/ *RANA TEMPORARIA, anatomy & histology/ RANA TEMPORARIA, growth & development
925. Dokumov S: Ob ovulatsii, vyzvannoi chelovecheskimi gonadotropinami. Akush Ginekol (Mosk) 49:47-50, Aug 73 (Rus)
ADULT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, therapeutic use/ HUMAN/ MACULA LUTEA, drug effects/ *OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy
926. Dolara P, Agresti A, Glotti A, et al: Effect of taurine on calcium kinetics of guinea-pig heart. Eur J Pharmacol 24:352-8, Dec 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CALCIUM, analysis/ CALCIUM, antagonists & inhibitors/ *CALCIUM, metabolism/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ GUINEA PIGS/ *HEART, drug effects/ HEART ATRIUM, drug effects/ HEART RATE, drug effects/ IN VITRO/ KINETICS/ MATHEMATICS/ MYOCARDIUM, analysis/ MYOCARDIUM, metabolism/ PERFUSION/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ *TAURINE, pharmacodynamics
927. Doid U: La terapia citostatica del carcinoma bronchiale. Minerva Med 64:3988-90, 27 Oct 73 (Ita)
*ANTINEOPLASTIC AGENTS, administration & dosage/ *BRONCHIAL NEOPLASMS, drug therapy/ CARCINOMA, drug therapy/ CARCINOMA, BRONCHOGENIC, drug therapy/ CARCINOMA, OAT CELL, drug therapy/ HUMAN/ *LUNG NEOPLASMS, drug therapy/ NEOPLASM RECURRENCE, LOCAL, prevention & control
928. Doleček R, Závada M, Adámková M, et al: Plasma renin like activity (RLA) and angiotensin II levels after major burns. A preliminary report. Acta Chir Plast (Praha) 15:186-9, 1973
ADOLESCENCE/ ADULT/ *ANGIOTENSIN II, blood/ *BURNS, blood/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *RENIN, blood
929. Doletskii SA, Vaslukova EA, Kasatkina EP, et al: Lechenie toksicheskogo zoba. Khirurgia (Mosk) 49:35-40, Jun 73 (Rus)
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, drug therapy/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ POSTOPERATIVE CARE/ PREANESTHETIC MEDICATION/ PREOPERATIVE CARE/ THYROIDECTOMY
930. Doll R: Oral contraceptives: a medical audit. Community Health (Bristol) 5:32-48, Jul-Aug 73
ADULT/ AMENORRHEA, chemically induced/ *CONTRACEPTIVES, ORAL/ FAMILY PLANNING/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ *MEDICAL AUDIT/ POPULATION GROWTH/ THROMBOPHLEBITIS, chemically induced/ THROMBOSIS, chemically induced
931. Dölle W: Bewertung und Behandlung der Proktokolitis. Med Welt 24:1580-3, 12 Oct 73 (Ger)
ANUS DISEASES, diagnosis/ *COLITIS, diagnosis/ COLITIS, drug therapy/ COLITIS, etiology/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ STEROIDS, therapeutic use
932. Dollinger HC, Raptis S, Grebe B, et al: The influence of 1-(5-oxobexyl)-3,7-dimethylxanthine (BL 191) on the endocrine and exocrine pancreatic function in man during and following secretin and cholecystokinin-pancreozymin stimulation. Res Exp Med (Berl) 161:327-34, 23 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BLOOD SUGAR, analysis/ *CHOLECYSTOKININ, pharmacodynamics/ FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ INSULIN, blood/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, drug effects/ *PANCREAS, drug effects/ PANCREAS, secretion/ *PANCREOZYMIN, pharmacodynamics/ RADIOIMMUNOASSAY/ RECEPTORS, ADRENERGIC, drug effects/ *SECRETIN, pharmacodynamics/ *XANTHINES, pharmacodynamics
933. Domański E: Przekazywanie hormonów podwzgórzowych do przedniej części przysadki u ssaków. Endokrynol Pol 24:337-54, Sep-Oct 73 (Pol)
ANIMAL EXPERIMENTS/ CENTRAL NERVOUS SYSTEM, physiology/ ENDOCRINE GLANDS, physiology/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, physiology/ MAMMALS/ PITUITARY GLAND, physiology/ *PITUITARY HORMONE RELEASING HORMONES, physiology
934. Domány Z, László J: A fogamzásgátló tabletták teratogen és mutagen hatásának megítéléséről. Orv Hetil 114:3053, 18 Dec 73 (Hun)
*ABNORMALITIES, DRUG-INDUCED, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ MUTAGENS
935. Dominguez AE, Catanzaro OL, Fernández BE, et al: Triiodothyronine and thyroxine: induction of mitosis in adult frogs. Experientia 29:1291-2, 15 Oct 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CORNEA, metabolism/ DNA, biosynthesis/ FROGS/ INTESTINES, metabolism/ KIDNEY, metabolism/ *LENS, CRYSTALLINE, cytology/ LENS, CRYSTALLINE, metabolism/ LIVER, metabolism/ *MITOSIS, drug effects/ NICTITATING MEMBRANE, metabolism/ OVIDUCTS, metabolism/ RANA CATESBEIANA/ RANA PIPIENS/ SKIN, metabolism/ SPLEEN, metabolism/ THYMIDINE, metabolism/ *THYROXINE, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics/ TRITIUM
936. Domino EF, Cassano GB, Placidi GF: Autoradiographic distribution of 14C-bemicholinium-3 in mouse whole body and dog brain. J Pharmacol Exp Ther 188:77-85, Jan 74
ACETYLCHOLINE, metabolism/ ADRENAL GLANDS, metabolism/ AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOTRANSFORMATION/ BLOOD-BRAIN BARRIER/ *BRAIN, metabolism/ CARBON RADIOISOTOPES/ CAUDATE NUCLEUS, metabolism/ CEREBELLUM, metabolism/ CHROMATOGRAPHY, PAPER/ DOGS/ FEMALE/ *HEMICHOLINIUM 3, metabolism/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ MALE/

AUTHOR SECTION

- MICE/ MYOCARDIUM, metabolism/
RETICULAR FORMATION, metabolism/
SALIVARY GLANDS, metabolism/
THALAMUS, metabolism/ TIME FACTORS
937. Donald D, Morley KD, Beck JS: Antigen-binding peripheral blood lymphocytes in guinea-pigs immunized with human thyroglobulin and BCG. *Clin Exp Immunol* 13:101-6, Jan 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGENS/ AUTORADIOGRAPHY/ *BINDING SITES, ANTIBODY/ FREUND'S ADJUVANT/ GUINEA PIGS/ HEMAGGLUTINATION TESTS/ HUMAN/ HYPERSENSITIVITY, DELAYED, immunology/ IMMUNIZATION/ IODINE ISOTOPES/ *LYMPHOCYTES, immunology/ SKIN TESTS/ *THYROGLOBULIN/ TUBERCULIN/ TUBERCULIN TEST/ *TUBERCULOSIS VACCINES
938. Donaldson DJ, Minchey JW, Adcock K: A search for embryonic antigens in regenerating intestine of the adult leopard frog, *Rana pipiens*. *Oncology* 28:523-35, 1973
ANIMAL EXPERIMENTS/ *ANTIGENS, analysis/ *EMBRYO, immunology/ FEMALE/ FROGS/ GERM LAYERS, immunology/ IMMUNE SERUMS/ *INTESTINES, immunology/ KIDNEY, immunology/ LIVER, immunology/ MALE/ OVARY, immunology/ OVIDUCTS, immunology/ *RANA PIPENS/ *REGENERATION/ SKIN, immunology
939. Donati RM, Fletcher JW, Warnecke MA, et al: Erythropoiesis in hypothyroidism. *Proc Soc Exp Biol Med* 144:78-82, 1 Oct 73
ANIMAL EXPERIMENTS/ ANOXIA, blood/ BIOLOGICAL ASSAY/ ERYTHROCYTES, metabolism/ *ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, pharmacodynamics/ ERYTHROPOIETIN, urine/ FEMALE/ GASTROINTESTINAL SYSTEM, metabolism/ HEMATOOCRIT/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, metabolism/ HYPOTHYROIDISM, urine/ IRON, metabolism/ IRON RADIOISOTOPES/ MICE/ OXYGEN CONSUMPTION/ RATS/ THYROIDECTOMY/ TRIIODOTHYRONINE, pharmacodynamics
940. Doneen BA, Bern HA: In vitro effects of prolactin and cortisol on water permeability of the urinary bladder of the teleost *Gillichthys mirabilis*. *J Exp Zool* 187:173-9, Jan 74
ANIMAL EXPERIMENTS/ *BLADDER, drug effects/ CORTICOTROPIN, pharmacodynamics/ *FISHES, metabolism/ FRESH WATER/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ ORGAN CULTURE/ OSMOSIS/ PERMEABILITY/ PITUITARY GLAND, secretion/ *PROLACTIN, pharmacodynamics/ SEAWATER/ SHEEP/ *WATER, metabolism
941. D'Onofrio F, Torella R, Saccà L: Effects of prostaglandin A1 on glucose utilization by rat diaphragm in vitro. *Farmacol [Sci]* 28:992-5, Dec 73
ANIMAL EXPERIMENTS/ DIAPHRAGM, metabolism/ DRUG COMBINATIONS/ DRUG SYNERGISM/ *GLUCOSE, metabolism/ IN VITRO/ *INSULIN, pharmacodynamics/ *MUSCLES, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ RATS
942. Donovan BT, Lockhart AN, MacKinnon PC, et al: Proceedings: Changes in the plasma concentration of luteinizing hormone during development in the guinea-pig. *J Endocrinol* 59:38, Nov 73
ANIMAL EXPERIMENTS/ FEMALE/ FETUS/ GESTATIONAL AGE/ *GUINEA PIGS, growth & development/ *LH, blood/ MALE/ SEX FACTORS
943. Donovan BT, Peddie MJ: Proceedings: The development of fetal and infant guinea-pig gonadal tissue in adult hosts. *J Reprod Fertil* 35:582-3, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ FETUS/ GONADOTROPINS, PITUITARY, physiology/ GUINEA PIGS/ MALE/ *OVARY, growth & development/ OVARY, transplantation/ *TESTIS, growth & development/ TESTIS, transplantation/ TRANSPLANTATION, HOMOLOGOUS
944. Donskova LV: Sootnoshenie éstrogenov v krovi materl i ploda v kontse heremennosti i rodov. *Sov Med* 35:20-4, Oct 72 (Rus)
ADULT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *ESTROGENS, blood/ FEMALE/ *FETUS, metabolism/ HUMAN/ INFANT, NEWBORN/ *LABOR/ *PREGNANCY/ SPECTROMETRY, FLUORESCENCE/ *UMBILICAL VEINS, metabolism
945. Donta ST, Moon HW, Whipp SC: Detection of heat-labile *Escherichia coli* enterotoxin with the use of adrenal cells in tissue culture. *Science* 183:334-6, 25 Jan 74
ADRENAL GLAND NEOPLASMS/ *ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ CELL LINE/ CELLS, CULTURED/ *ENTEROTOXINS, analysis/ ENTEROTOXINS, biosynthesis/ ENTEROTOXINS, classification/ ENTEROTOXINS, pharmacodynamics/ *ESCHERICHIA COLI, analysis/ ESCHERICHIA COLI, classification/ ESCHERICHIA COLI, metabolism/ JEJUNUM, drug effects/ KETOSTEROIDS, metabolism/ MICE/ RABBITS/ SPECIES SPECIFICITY
946. Dontenwill W, Chevalier HJ, Harke HP, et al: Spontantumoren des syrischen Goldhamsters. *Z Krebsforsch* 80:127-58, 1 Nov 73 (Ger)
ADRENAL GLAND NEOPLASMS, veterinary/ ANIMAL EXPERIMENTS/ BENZANTHRACENES/ ENGLISH ABSTRACT/ EYE NEOPLASMS, veterinary/ FEMALE/ GASTROINTESTINAL NEOPLASMS, veterinary/ GERM-FREE LIFE/ *HAMSTERS/ HEMANGIOENDOTHELIOMA, veterinary/ HEMANGIOMA, veterinary/ LACRIMAL APPARATUS/ LEUKEMIA, veterinary/ LIVER NEOPLASMS, veterinary/ LYMPHOMA, veterinary/ MALE/ NEOPLASMS, chemically induced/ NEOPLASMS, pathology/ *NEOPLASMS, veterinary/ NITROSAMINES/ PHARYNGEAL NEOPLASMS, veterinary/ RESPIRATORY TRACT NEOPLASMS, veterinary/ SKIN NEOPLASMS, veterinary/ SMOKING/ UROGENITAL NEOPLASMS, veterinary
947. Dontenwill W, Chevalier HJ, Harke HP, et al: Investigations on the effects of chronic cigarette-smoke inhalation in Syrian golden hamsters. *J Natl Cancer Inst* 51:1781-832, Dec 73
ANIMAL EXPERIMENTS/ *ASBESTOS/ *BENZANTHRACENES/ BODY WEIGHT/ *CARCINOGENS/ CARDIOVASCULAR DISEASES, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERYTHROCYTE COUNT/ ESOPHAGEAL NEOPLASMS, chemically induced/ FEMALE/ HAMSTERS/ HEMOGLOBINOMETRY/ LARYNGEAL NEOPLASMS, chemically induced/ LIVER NEOPLASMS, chemically induced/ MALE/ MOUTH NEOPLASMS, chemically induced/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *NITROSAMINES/ NOSE NEOPLASMS, chemically induced/ OVARIAN NEOPLASMS, chemically induced/ PAPILLOMA, chemically induced/ PHARYNGEAL NEOPLASMS, chemically induced/ *RESPIRATORY TRACT DISEASES, chemically induced/ *RESPIRATORY TRACT NEOPLASMS, chemically induced/ RESPIRATORY TRACT NEOPLASMS, pathology/ SKIN NEOPLASMS, chemically induced/ *SMOKING, complications/ STOMACH DISEASES, chemically induced/ STOMACH NEOPLASMS, chemically induced/ TIME FACTORS/ TRACHEAL NEOPLASMS, chemically induced
948. Dorfman HD: Proceedings: Malignant transformation of benign bone lesions. *Proc Natl Cancer Conf* 7:901-13, 1973

AUTHOR SECTION

- ADULT/ BONE AND BONES, blood supply/
*BONE DISEASES, complications/ *BONE
NEOPLASMS, etiology/ CHONDROBLASTOMA,
etiology/ CHONDROMA, etiology/ FEMALE/
FIBROUS DYSPLASIA OF BONE,
complications/ HUMAN/ INFARCTION,
complications/ JOINTS/ MALE/ MIDDLE AGE/
NEOPLASMS, RADIATION-INDUCED/
OSTEITIS DEFORMANS, complications/
OSTEOCHONDRITIS, complications/
OSTEOGENESIS IMPERFECTA, complications/
OSTEOMA, OSTEOID, etiology/
OSTEOMYELITIS, complications/
*PRECANCEROUS CONDITIONS/ *SARCOMA,
etiology
949. Dörner G, Stahl F, Rohde W, et al:
Radioimmunologische Bestimmung des
Testosterongehalts im Fruchtwasser männlicher und
weiblicher Feten.
Endokrinologie 61:317-20, May 73 (Ger)
*AMNIOTIC FLUID, analysis/ ENGLISH
ABSTRACT/ FEMALE/ GESTATIONAL AGE/
HUMAN/ MALE/ METHODS/ PREGNANCY/
RADIOIMMUNOASSAY/ SEX FACTORS/
*TESTOSTERONE, analysis
950. Dorrington KJ, Hul A, Hofmann T, et al: Porcine
intestinal calcium-binding protein. Molecular
properties and the effect of binding calcium ions.
J Biol Chem 249:199-204, 10 Jan 74
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ BINDING SITES/ *CALCIUM,
metabolism/ CARBOXYPEPTIDASES/
CIRCULAR DICHROISM/ DANSYL
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BINDING/ *PROTEINS, metabolism/
*RECEPTORS, DRUG/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SWINE/ TYROSINE/
ULTRACENTRIFUGATION
951. Dostál M, Jelínek R: Sensitivity of embryos and
intraspecies differences in mice in response to
prenatal administration of corticoids.
Teratology 8:245-52, Dec 73
*ABNORMALITIES, DRUG-INDUCED, etiology/
ABNORMALITIES, DRUG-INDUCED, familial &
genetic/ AMNION/ ANIMAL EXPERIMENTS/
CLEFT PALATE, chemically induced/ CLEFT
PALATE, familial & genetic/ CORTISONE,
administration & dosage/ *CORTISONE,
toxicity/ *EMBRYO, drug effects/ FEMALE/
FETAL DEATH, chemically induced/ FETAL
DEATH, familial & genetic/ GENOTYPE/
HYBRID VIGOR/ HYDROCORTISONE,
administration & dosage/ *HYDROCORTISONE,
toxicity/ INJECTIONS/ INJECTIONS,
INTRAMUSCULAR/ MATERNAL-FETAL
EXCHANGE/ MICE/ MICE, INBRED CBA/
MICE, INBRED STRAINS/ PREGNANCY/
SPECIES SPECIFICITY
952. Doteuchi M, Costa E: Pentylene-tetrazol convulsions
and brain catecholamine turnover rate in rats and
mice receiving diphenylhydantoin or
benzodiazepines.
Neuropharmacology 12:1059-72, Nov 73
ANIMAL EXPERIMENTS/ *BENZAZEPINES,
pharmacodynamics/ BODY TEMPERATURE,
drug effects/ *BRAIN, metabolism/ BRAIN
CHEMISTRY, drug effects/
CATECHOLAMINES, metabolism/
*CATECHOLAMINES, metabolism/
CEREBELLUM, metabolism/
CHLORDIAZEPOXIDE, pharmacodynamics/
CONVULSIONS, chemically induced/
*CONVULSIONS, metabolism/ CORPUS
STRIATUM, metabolism/ DIAZEPAM,
pharmacodynamics/ *DIPHENYLHYDANTOIN,
pharmacodynamics/ DOPAMINE, metabolism/
HYPOTHALAMUS, metabolism/ KINETICS/
MALE/ METHYLTYROSINES,
pharmacodynamics/ MICE/ NOREPINEPHRINE,
metabolism/ PENTYLENETETRAZOLE/
PENTYLENETETRAZOLE, antagonists &
inhibitors/ RATS
953. Dotseva S: Kruvotehenlata ot lalchnitsite kato
prichlna za ostur korem (po materiala na rnpmp "N.I.
Pirogov" za vremeto ot 1967 do 1970 g.
Akush Ginekol (Sofia) 12:119-24, 1973 (Bul)
*ABDOMEN, ACUTE, diagnosis/ ADULT/
APPENDICITIS, diagnosis/ DIAGNOSIS,
DIFFERENTIAL/ ENGLISH ABSTRACT/
FEMALE/ *HEMORRHAGE, etiology/ HUMAN/
*OVARIAN DISEASES, diagnosis/
PREGNANCY/ PREGNANCY, ECTOPIC,
diagnosis
954. Dougan LR, Finlay WE: Fluid and electrolyte balance:
assessment of the patient.
Br J Anaesth 45:945-52, Sep 73 (18 ref.)
BODY FLUIDS, metabolism/ BODY WEIGHT/
CALCIUM, metabolism/ DEHYDRATION/
EXTRACELLULAR SPACE, metabolism/
FECES, analysis/ FOOD ANALYSIS/ HUMAN/
HYDROGEN-ION CONCENTRATION/
MAGNESIUM, metabolism/ POTASSIUM,
metabolism/ PULMONARY EDEMA/
RECORDS/ REVIEW/ SODIUM, metabolism/
THORACIC RADIOGRAPHY/ UREA, analysis/
URINE, analysis/ VENOUS PRESSURE/
*WATER-ELECTROLYTE BALANCE/ WATER
INTOXICATION
955. Douglas JG, Hollifield JW, Liddle GW: Treatment of
low-renin essential hypertension. Comparison of
spironolactone and a
hydrochlorothiazide-triamterene combination.
JAMA 227:518-21, 4 Feb 74
ADULT/ AGED/ ALDOSTERONE, urine/
BLOOD PRESSURE, drug effects/ BLOOD
UREA NITROGEN/ CLINICAL RESEARCH/
COMPARATIVE STUDY/ CREATININE, blood/
DRUG THERAPY, COMBINATION/
EXTRACELLULAR SPACE, drug effects/
FEMALE/ HUMAN/
*HYDROCHLOROTHIAZIDE, administration &
dosage/ HYDROCHLOROTHIAZIDE,
pharmacodynamics/ HYDROCHLOROTHIAZIDE,
therapeutic use/ *HYPERTENSION, drug
therapy/ INFORMED CONSENT/ MALE/
MIDDLE AGE/ PLACEBOS/ POSTURE/
POTASSIUM, blood/ *RENIN, blood/ SODIUM,
blood/ SPIRONOLACTONE, pharmacodynamics/
*SPIRONOLACTONE, therapeutic use/
*TRIAMTERENE, administration & dosage/
TRIAMTERENE, pharmacodynamics/
TRIAMTERENE, therapeutic use
956. Douglas JS, Nicbolls PJ: The fate of pbnglutarimide
hydrochloride in the rat and man.
Xenobiotica 3:605-13, Sep 73
ANIMAL EXPERIMENTS/ BLADDER, drug
effects/ BLADDER, physiology/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY,
PAPER/ COMPARATIVE STUDY/
DIETHYLAMINES, metabolism/
DIETHYLAMINES, pharmacodynamics/
FEMALE/ GUINEA PIGS/ HUMAN/ MALE/
MICE/ ORGAN SPECIFICITY/
OXOTREMORINE, antagonists & inhibitors/
*PHENOLS, metabolism/ PHENOLS,
pharmacodynamics/ *PIPERIDINES,
metabolism/ PIPERIDINES, pharmacodynamics/
PLACENTA, metabolism/ PREGNANCY/
RATS/ SPECIES SPECIFICITY/ TIME
FACTORS
957. Douglas SD: Electron microscopic and functional
aspects of human lymphocyte response to mitogens.
Transplant Rev 11:39-59, 1972 (52 ref.)
AGAMMAGLOBULINEMIA, familial & genetic/
AGAMMAGLOBULINEMIA, immunology/
AGGLUTINATION/ CELL DIFFERENTIATION,
drug effects/ CELL MEMBRANE,
drug effects/ CELL NUCLEOLUS, drug
effects/ CHRONIC DISEASE/ CYTOPLASM,
drug effects/ CYTOPLASMIC GRANULES,
drug effects/ HUMAN/ IMMUNITY,
CELLULAR, drug effects/ LEUKEMIA,
LYMPHOCYTIC, immunology/ *LYMPHOCYTE
TRANSFORMATION, drug effects/
*LYMPHOCYTES, drug effects/
LYMPHOCYTES, pathology/ MICROSCOPY,
ELECTRON/ *PHYTOMITOGENS,
pharmacodynamics/ REVIEW/ RIBOSOMES,

AUTHOR SECTION

- drug effects/ SEX CHROMOSOME
ABNORMALITIES, immunology/
STIMULATION, CHEMICAL/ TIME FACTORS
958. Douglas WW, Ueda Y: Proceedings: Mast cell secretion (histamine release) induced by 48-80: calcium-dependent exocytosis inhibited strongly by cytochalasin only when glycolysis is rate-limiting. *J Physiol (Lond)* 234:97P-98P, Oct 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *CELLS, secretion/ *COMPOUND 48-80, pharmacodynamics/ *CYTOCHALASINS, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ EXOCYTOSIS, drug effects/ GLYCOLYSIS/ HISTAMINE, secretion/ HISTAMINE LIBERATION, drug effects/ IN VITRO/ *INDOLES, pharmacodynamics/ *MAST CELLS, drug effects/ MAST CELLS, metabolism/ MAST CELLS, physiology/ OXIDATIVE PHOSPHORYLATION/ RATS/ STIMULATION, CHEMICAL
959. Doury P, Chigot PL, Dulac JF, et al: Hyperparathyroidisme récidivant et familial à début pseudomyopathique et avec atteinte neurologique centrale. *Ann Med Interne (Paris)* 124:617-23, Aug-Sep 73 (Fre)
ADENOMA, complications/ ADENOMA, diagnosis/ *ADENOMA, familial & genetic/ ADULT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FRACTURES, etiology/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, etiology/ *HYPERPARATHYROIDISM, familial & genetic/ MALE/ *MUSCULAR DISEASES, diagnosis/ NEPHROCALCIOSIS, etiology/ NEUROLOGIC MANIFESTATIONS/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ *PARATHYROID NEOPLASMS, familial & genetic/ RECURRENCE
960. Dousa TP: Role of cyclic AMP in the action of antidiuretic hormone on kidney. *Life Sci* 13:1033-40, 18 Oct 73 (22 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ IODINE RADIOISOTOPES/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KIDNEY, physiology/ MODELS, BIOLOGICAL/ PERMEABILITY/ PHOSPHODIESTERASES, metabolism/ RECEPTORS, HORMONE/ REVIEW/ TRITIUM/ VASOPRESSIN, pharmacodynamics/ *VASOPRESSIN, physiology/ WATER, metabolism
961. Dousa TP, Code CF: Effect of histamine and its methyl derivatives on cyclic AMP metabolism in gastric mucosa and its blockade by an H2 receptor antagonist. *J Clin Invest* 53:334-7, Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ *ANTIHISTAMINICS, pharmacodynamics/ CELL-FREE SYSTEM/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, enzymology/ *GASTRIC MUCOSA, metabolism/ GUINEA PIGS/ HISTAMINE, administration & dosage/ *HISTAMINE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ METHYLATION/ THIOUREA, pharmacodynamics/ *THIOUREA, pharmacodynamics
962. Dover S, Halpern YS: Novel type of catecholite repression in the pathway of gamma-aminobutyrate breakdown in *Escherichia coli* K-12. *FEBS Lett* 37:207-11, 1 Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALDEHYDE OXIDOREDUCTASES, metabolism/ ALDEHYDES/ AMINO BUTYRIC ACID/ *AMINO BUTYRIC ACID, metabolism/ AMINO BUTYRIC ACID, pharmacodynamics/ AMINOTRANSFERASES, metabolism/ AMMONIA, pharmacodynamics/ AMMONIA-LYASES, metabolism/ ASPARTIC ACID/ ASPARTIC ACID, pharmacodynamics/ CARBON RADIOISOTOPES/ CELL DIVISION, drug effects/ COMPARATIVE STUDY/ *ESCHERICHIA COLI*, drug effects/ **ESCHERICHIA COLI*, enzymology/ GALACTOSIDASE, metabolism/ *GENES, REGULATOR/ GLUCOSE/ GLUTAMINE, pharmacodynamics/ KETOGLUTARIC ACID/ MUTATION/ SUCCINATES/ TIME FACTORS
963. Dráč P, Uhlíř M, Pospíšil J, et al: Léčba estrogeny v těhotenství ohroženém krvácením. *Cesk Gynecol* 38:652-4, Nov 73 (Cze)
*ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, drug therapy/ PROGESTERONE, therapeutic use/ STILBENES, therapeutic use/ *UTERINE HEMORRHAGE, drug therapy/ VITAMIN E, therapeutic use
964. Drachman DB, Johnston DM: Development of a mammalian fast muscle: dynamic and biochemical properties correlated. *J Physiol (Lond)* 234:29-42, Oct 73
ACTOMYOSIN, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CALCIUM, metabolism/ FEMALE/ MALE/ *MUSCLE CONTRACTION/ *MUSCLES, growth & development/ MUSCLES, metabolism/ MYOFIBRILS, enzymology/ RATS/ SARCOPLASMIC RETICULUM, metabolism/ TIME FACTORS
965. Drakhl EJa: Primenenie ul'trazvuka pri okraske mazkov dla opredelenia polovogo khromatina. *Lah Delo* 5:307, 1973 (Rus)
HUMAN/ *SEX CHROMATIN, analysis/ STAINS AND STAINING/ *ULTRASONICS, diagnostic use
966. Dreifuss JJ, Akert K, Sandri C, et al: The fine structure of freeze-fractured neurosecretory nerve endings in the neurohypophysis. *Brain Res* 62:387-72, 23 Nov 73
ANIMAL EXPERIMENTS/ CALCIUM/ ELECTRIC STIMULATION/ EXTRACELLULAR SPACE/ FREEZE ETCHING/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, cytology/ MICROSCOPY, ELECTRON/ *NERVE ENDINGS/ *PITUITARY GLAND, POSTERIOR, cytology/ RATS
967. Dretzen S, Levy BM, Bernick S: Studies on the histology of the periodontium of marmosets. XII. The effect of an experimentally produced malabsorption syndrome on the marmoset periodontium. *J Periodont Res* 7:251-4, 1972
ANIMAL EXPERIMENTS/ *CHOLESTEROL, DIETARY, pharmacodynamics/ *DIETARY FATS, pharmacodynamics/ *JAW DISEASES, chemically induced/ *MALABSORPTION SYNDROMES, chemically induced/ MONKEYS/ *OSTEOMALACIA, chemically induced/ *PERIODONTITIS, chemically induced
968. Drhevskaja IA, Serebriakova AA: Vozrastnye osobennosti gipotalamicheskoi regulatsii gipofizarno-nadpocheknikovoi sistemy u krysa. *Probl Endokrinol (Mosk)* 19:59-62, Nov-Dec 73 (Rus)
ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, physiology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CORTICOTROPIN, metabolism/ *CORTICOTROPIN RELEASING HORMONE, physiology/ ENGLISH ABSTRACT/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ ORGAN WEIGHT/ RATS
969. Drinevskij VP: Funktsional'noe sostojanie kory nadpocheknikov i immunologicheskaja reaktsija organizma na ospeennuju vaktsinatsiju u detei, stradalushchikh allergicheskimi dlezom. *Pediatrics* 52:44-7, Apr 73 (Rus)
*ADRENAL GLANDS, physiopathology/

AUTHOR SECTION

- CHILD/ CHILD, PRESCHOOL/ CORTISONE, blood/ DIATHESIS/ ENGLISH ABSTRACT/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPERSENSITIVITY, IMMEDIATE/ HYPERSENSITIVITY, IMMEDIATE, blood/ HYPERSENSITIVITY, IMMEDIATE, urine/ *SMALLPOX VACCINE, adverse effects/ VACCINATION, adverse effects
970. Driver CJ, Armstrong JM, Bornstein J, et al: Isolation and characterization of a pituitary peptidase specifically releasing, from growth hormone, a peptide (somatlin) with antagonistic activity to insulin in vitro. *J Endocrinol* 59:261-74, Nov 73
ANIMAL EXPERIMENTS/ CENTRIFUGATION/ GLYCERALDEHYDEPHOSPHATE
DEHYDROGENASE, antagonists & inhibitors/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *INSULIN, antagonists & inhibitors/ METHODS/ MOLECULAR WEIGHT/ *PEPTIDE HYDROLASES, isolation & purification/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PEPTIDES, pharmacodynamics/ *PITUITARY GLAND, enzymology/ SHEEP/ *SOMATOTROPIN, metabolism/ SPECTROPHOTOMETRY/ STRUCTURE-ACTIVITY RELATIONSHIP
971. Drobnyak P: O liječenju sekundarne neplodnosti žene. *Lijec Vjesn* 95:519-21, Sep 73 (Cro)
FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYSTEROSALPINGOGRAPHY/ PREGNANCY/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, therapy
972. Droller MJ: Ultrastructure of the platelet release reaction in response to various aggregating agents and their inhibitors. *Lah Invest* 29:595-606, Dec 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, secretion/ *CALCIUM, secretion/ CELL MEMBRANE, drug effects/ COLLAGEN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ MICROSCOPY, ELECTRON/ *NUCLEOTIDES, secretion/ PLATELET ADHESIVENESS/ PROSTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ THROMBIN, pharmacodynamics/ TIME FACTORS
973. Droller MJ: Ultrastructural visualization of the thrombin-induced platelet release reaction. *Scand J Haematol* 11:35-49, 1973
BIOLOGICAL TRANSPORT, drug effects/ BLOOD PLATELETS, cytology/ *BLOOD PLATELETS, drug effects/ CALCIUM, metabolism/ CELL MEMBRANE, drug effects/ CYTOPLASMIC GRANULES, drug effects/ DEPRESSION, CHEMICAL/ FIBRIN, metabolism/ FIBRINOGEN, metabolism/ HUMAN/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ NUCLEOTIDES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ STIMULATION, CHEMICAL/ TEMPERATURE/ *THROMBIN, pharmacodynamics
974. Dronfield MW, Fletcher J, Langman MJ: Coincident salmonella infections and ulcerative colitis: problems of recognition and management. *Br Med J* 1:99-100, 19 Jan 74
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ *COLITIS, ulcerative, complications/ COLITIS, ULKERATIVE, diagnosis/ COLITIS, ULKERATIVE, drug therapy/ COLITIS, ULKERATIVE, radiography/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *SALMONELLA INFECTIONS, complications/ SALMONELLA INFECTIONS, diagnosis/ SALMONELLA INFECTIONS, drug therapy/ SEPTICEMIA, complications
975. Droszcz W: Postępy pulmonologii. Płuca--narząd ważnych procesów metabolicznych. *Pol Arch Med Wewn* 50:1245-8, Nov 73 (Pol)
GOI GI APPARATUS, metabolism/ HUMAN/ KININASE II, metabolism/ LUNG, enzymology/ *LUNG, metabolism/ OXYGEN CONSUMPTION/ PROSTAGLANDINS, biosynthesis/ PROTEINS, biosynthesis/ PULMONARY SURFACTANT, biosynthesis/ PULMONARY SURFACTANT, metabolism/ RESPIRATION/ REVIEW/ SURFACE TENSION
976. Dub VI, Mel'nik BE: Ul'trastrukturnye izmeneniya kletch shchitovidnoi zhelezy pri raznykh srokakh vvedeniya intermedina. *Blot Nauki* 112:29-34, 1973 (Rus)
ANIMAL EXPERIMENTS/ CELL NUCLEOLUS, drug effects/ CELL NUCLEUS, drug effects/ CELLULAR INCLUSIONS, drug effects/ ENDOPLASMIC RETICULUM, drug effects/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ MITOCHONDRIAL SWELLING, drug effects/ *MSH, administration & dosage/ RATS/ RIBOSOMES, drug effects/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ TIME FACTORS
977. Dubinsky B, Karpowicz JK, Goldberg ME: Effect of tricyclic antidepressants on attack elicited by hypothalamic stimulation: relation to brain biogenic amines. *J Pharmacol Exp Ther* 187:550-7, Dec 73
ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BEHAVIOR, ANIMAL, drug effects/ *BIOGENIC AMINES, metabolism/ *BRAIN, metabolism/ CATS/ DESIPRAMINE, pharmacodynamics/ DIBENZAZEPINES, pharmacodynamics/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ HYDROXYDOPAMINE, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodynamics/ *HYPOTHALAMUS, physiology/ IMIPRAMINE, pharmacodynamics/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ TIME FACTORS
978. Dubovsky EV, Besch RJ, Pittman JA, et al: Stimulation of TSH release and glucose oxidation in pituitaries from thyroidectomized rats by thyrotropin releasing factor (TRF). *Ala J Med Sci* 10:270-7, Jul 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *GLUCOSE, metabolism/ MALE/ OXIDATION-REDUCTION/ *PITUITARY GLAND, drug effects/ RATS/ STIMULATION, CHEMICAL/ THYROIDECTOMY/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics
979. Duca-Marinescu D: Aplicarea metodelor bayeslene în endocrinologie. I. Boli endocrine cu transmitere dominant autosomală. *Stud Cercet Endocrinol* 24:521-9, 1973 (Rum)
*ENDOCRINE DISEASES, familial & genetic/ EUGENICS/ GENES, DOMINANT/ GENETIC COUNSELING/ HUMAN/ PEDIGREE/ *PROBABILITY
980. Ducker TB, Blaylock RL, Perot PL Jr: Emergency care of patients with cerebral injuries. *Postgrad Med* 55:102-10 passim, Jan 74
ANTICONSULSANTS, therapeutic use/ BRAIN INJURIES, ACUTE, diagnosis/ BRAIN INJURIES, ACUTE, therapy/ CEREBRAL ANGIOGRAPHY/ CONVULSIONS, drug therapy/ CRANIAL NERVES, physiology/ ELECTROENCEPHALOGRAPHY/ *EMERGENCIES/ EXTREMITIES, physiotherapy/ GLUCOCORTICOIDS, therapeutic use/ HEAD INJURIES, complications/ HEAD INJURIES, drug therapy/ HEAD INJURIES, radiography/ *HEAD INJURIES, therapy/ HEMATOMA, drug therapy/ HEMODYNAMICS/ HUMAN/ HYPERTONIC SOLUTIONS/ INTRACRANIAL PRESSURE/ LUNG DISEASES, etiology/ MIDDLE AGE/ RESPIRATION/ SKULL, radiography/ UNCONSCIOUSNESS, etiology
981. Dumermuth G, Kovacs E: The effect of clonazepam (Ro 5-4023) in the syndrome of infantile spasms with hypsarrhythmia and in petit mal variant of Lennox

AUTHOR SECTION

- syndrome. Preliminary report.
Acta Neurol Scand [Suppl] 28-8, 1973
ADMINISTRATION, ORAL/
ANTICONVULSANTS,
administration & dosage/
ANTICONVULSANTS, adverse effects/
*ANTICONVULSANTS, therapeutic use/
BENZODIAZEPINONES, administration &
dosage/ BENZODIAZEPINONES, adverse
effects/ *BENZODIAZEPINONES, therapeutic
use/ CHILD/ CHLOROBENZENES,
administration & dosage/ CHLOROBENZENES,
adverse effects/ CHLOROBENZENES,
therapeutic use/ CORTICOTROPIN, therapeutic
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COMBINATION/
ELECTROENCEPHALOGRAPHY/ *EPILEPSY,
PETIT MAL, drug therapy/ FATIGUE,
chemically induced/ HUMAN/
HYDROCORTISONE, therapeutic use/
*HYPSSARRHYTHMIA, drug therapy/ NITRO
COMPOUNDS, administration & dosage/
NITRO COMPOUNDS, adverse effects/ NITRO
COMPOUNDS, therapeutic use/ *SPASM, drug
therapy/ TIME FACTORS
982. Dupon C, Kim MH: Peripheral plasma levels of
testosterone, androstenedione, and oestradiol during
the rat oestrous cycle. J Endocrinol 59:653-4, Dec 73
*ANDROSTENEDIONE, blood/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY/
*ESTRADIOL, blood/ *ESTRUS/ FEMALE/
OVULATION/ RATS/ *TESTOSTERONE,
blood/ VAGINAL SMEARS
983. Dupont A: Idiopatisk infantil hyperkalcaemi. Elfin face
syndrome. Svaer Idiopatisk hyperkalcaemi i
barnealderen. Supravulvaer aortastenose.
Ugeskr Laeger 135:1296, 18 Jun 73 (Dan)
ADOLESCENCE/ ADULT/ *AORTIC VALVE
STENOSIS/ DIET THERAPY/ *FACE/
FEMALE/ HUMAN/ *HYPERCALCAEMIA,
therapy/ MALE/ *MENTAL RETARDATION/
METABOLISM, INBORN ERRORS/ *MOUTH
ABNORMALITIES/ SYNDROME
984. Dupont Y, Hasselbach W: Structural changes in
sarcoplasmic reticulum membrane induced by SH
reagents. Nature [New Biol] 246:41-4, 14 Nov 73
*ADENOSINE TRIPHOSPHATASE, metabolism/
BIOLOGICAL TRANSPORT, ACTIVE, drug
effects/ CALCIUM, metabolism/
HYDROLYSIS/ KINETICS/ MEMBRANES, drug
effects/ MEMBRANES, enzymology/
*MERCURY, pharmacodynamics/ *MUSCLE
PROTEINS, metabolism/ NITROPHENOLS,
pharmacodynamics/ *ORGANOMETALLIC
COMPOUNDS, pharmacodynamics/ PROTEIN
BINDING, drug effects/ PROTEIN
CONFORMATION, drug effects/
*SARCOPLASMIC RETICULUM, drug effects/
SARCOPLASMIC RETICULUM, enzymology/
SARCOPLASMIC RETICULUM, metabolism/
*SULFHYDRYL REAGENTS,
pharmacodynamics/ X-RAY DIFFRACTION
985. Duran-Reynals ML, Zisblatt M, Lilly F: Combined
neoplastic effects of vaccinia virus and
3-methylcholanthrene. 3. Susceptibility and
resistance in transplanted mouse skin.
J Natl Cancer Inst 51:1597-601, Nov 73
ADMINISTRATION, TOPICAL/ ANIMAL
EXPERIMENTS/ CORTISONE,
pharmacodynamics/
METHYLCHOLANTHRENE/ MICE/ MICE,
INBRED AKR/ MICE, INBRED BALB C/
NEOPLASMS, EXPERIMENTAL, chemically
induced/ *NEOPLASMS, EXPERIMENTAL,
immunology/ *POXVIRUS INFECTIONS,
immunology/ *SKIN, transplantation/ SKIN
NEOPLASMS, chemically induced/ *SKIN
NEOPLASMS, immunology/
TRANSPLANTATION, HOMOLOGOUS/
*VACCINIA VIRUS
986. Durant JA, Miller H: Non-specific factors that may
influence significance of urinary steroid excretion in
breast cancer. Br Med J 4:767-70, 29 Dec 73
*ADRENAL CORTEX HORMONES, urine/
ANDROGENS, urine/ BODY WEIGHT/
*BREAST NEOPLASMS, urine/ CERVIX
NEOPLASMS, urine/ CHOLECYSTITIS, urine/
CORTICOSTERONE, urine/ FEMALE/
HEPATITIS, INFECTIOUS, urine/ HODGKIN'S
DISEASE, urine/ HUMAN/ JAUNDICE,
OBSTRUCTIVE, urine/ MIDDLE AGE/
PROGNOSIS/ VARICOSE VEINS, urine
987. Durbin RP, Kircher AB: A surface p-nitrophenyl
phosphatase of frog gastric mucosa.
Biochim Biophys Acta 321:553-60, 10 Oct 73
ADENINE NUCLEOTIDES, pharmacodynamics/
ANIMAL EXPERIMENTS/ ANOXIA,
enzymology/ CELL MEMBRANE, enzymology/
COMPARATIVE STUDY/ FLUORIDES,
pharmacodynamics/ FROGS/ GASTRIC
MUCOSA, cytology/ GASTRIC MUCOSA, drug
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GASTRIC MUCOSA, secretion/ HISTAMINE,
pharmacodynamics/ HYDROGEN-ION
CONCENTRATION/ IN VITRO/ KINETICS/
NITROPHENOLS/ ORGANOPHOSPHORUS
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*PHOSPHATASES, metabolism/
PHOSPHATASES, secretion/ POTASSIUM,
pharmacodynamics/ RANA CATESBEIANA/
THIOCYANATES, pharmacodynamics/ TIME
FACTORS
988. Durston AJ: Dictyostelium discoideum aggregation
fields as excitable media.
J Theor Biol 42:483-504, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ CELL AGGREGATION/
CHEMOTAXIS/ INTERCELLULAR
JUNCTIONS/ MODELS, BIOLOGICAL/
*MORPHOGENESIS/ MOTION PICTURES/
*MYXOMYCETES, growth & development/
PERIODICITY/ TIME FACTORS
989. Dusaeva ON, Mazina TI: Vliianie subekholina na
mozgovoe veshchestvo nadpochechnikov kurinykh
embrionov.
Zh Evol Biokhim Fiziol 9:524-7, Sep-Oct 73 (Rus)
ADRENAL GLANDS, drug effects/ *ADRENAL
GLANDS, embryology/ ADRENAL GLANDS,
metabolism/ ANIMAL EXPERIMENTS/
*AUTONOMIC DRUGS, pharmacodynamics/
CHICK EMBRYO/ ENGLISH ABSTRACT/
EPINEPHRINE, metabolism/
NOREPINEPHRINE, metabolism/ TIME
FACTORS
990. Dusting GJ, Harris GS, Rand MJ: A specific increase in
cardiovascular reactivity related to sodium retention
in DOCA-salt-treated rats.
Clin Sci Mol Med 45:571-81, Nov 73
ANIMAL EXPERIMENTS/ *BLOOD
PRESSURE/ BLOOD PRESSURE, drug effects/
CHORDOTOMY/ COCAINE, pharmacodynamics/
CONSCIOUSNESS/
*DESOXYCORTICOSTERONE/ DRUG
SYNERGISM/ ELECTRIC STIMULATION/
FEMALE/ *HEART RATE/ HEART RATE,
drug effects/ HYPERTENSION, chemically
induced/ HYPERTENSION, metabolism/
*HYPERTENSION, physiopathology/
NOREPINEPHRINE, pharmacodynamics/
RADIOISOTOPES/ RATS/ *SODIUM,
metabolism/ *SODIUM CHLORIDE/ SODIUM
ISOTOPES/ STIMULATION, CHEMICAL/
SYMPATHETIC NERVOUS SYSTEM,
physiopathology/ WHOLE BODY COUNTERS
991. Dvofák K: Indikace hormonální terapie v raném
těhotenství. Česk Gynkol 38:651-2, Nov 73 (Cze)
*ABORTION, THREATENED, drug therapy/
CORPUS LUTEUM HORMONES, therapeutic
use/ DELAYED-ACTION PREPARATIONS/
FEMALE/ GESTATIONAL AGE/ HUMAN/
PREGNANCY/ *PROGESTATIONAL
HORMONES, therapeutic use/ TIME FACTORS
992. Dvofák K, Raclavská V: Naše zásady při volbě
steroidních antikoncepčních přípravků.
Česk Gynkol 38:810-2, Sep 73 (Cze)
BIOPHARMACEUTICS/ *CONTRACEPTIVES,
ORAL, classification/ ESTROGENS,
classification/ FEMALE/ HUMAN/
PROGESTATIONAL HORMONES, classification

AUTHOR SECTION

993. Dvofák M: The relation of starvation to hypoglycaemia and adrenocortical activity in newborn and six-week-old piglets.
Zentralbl Veterinärmed [A] 20:370-81, Jul 73
ADRENAL GLAND HYPERFUNCTION, etiology/ *ADRENAL GLAND HYPERFUNCTION, veterinary/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ HYPOGLYCEMIA, etiology/ *HYPOGLYCEMIA, veterinary/ STARVATION, complications/ *STARVATION, veterinary/ SWINE/ *SWINE DISEASES, physiopathology
994. Dwek RA, Griffiths JR, Radda GK: Enzyme conformation and control.
Symp Soc Exp Biol 27:49-63, 1973
ADENYL CYCLASE, metabolism/ BINDING SITES/ ELECTRON SPIN RESONANCE/ *ENZYMES/ FLUORESCENCE/ GLUCOKINASE, metabolism/ GLUCOSEPHOSPHATASE, metabolism/ GLYCOGEN, biosynthesis/ GLYCOGEN, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ LIGANDS/ MODELS, CHEMICAL/ PHOSPHOTRANSFERASES, metabolism/ *PROTEIN CONFORMATION
995. Dyban AP: Tsitogenetika nachal'nogo émbriogeneza mlekopitalushchikh.
Vestn Akad Med Nauk SSSR 28:18-29, 1973 (Rus)
ANEUPLOIDY/ ANIMAL EXPERIMENTS/ AUTOSOME ABNORMALITIES, pathology/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, pathology/ CHROMOSOMES, analysis/ *CYTOGENETICS/ *EMBRYO, cytology/ ENGLISH ABSTRACT/ FETAL DISEASES, pathology/ HUMAN/ KARYOTYPING/ *MAMMALS, embryology/ MICE/ MICE, INBRED C3H/ MICE, INBRED CBA/ NIDATION/ RABBITS/ RATS/ RATS, INBRED STRAINS/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, pathology/ SWINE/ TIME FACTORS/ TRISOMY
996. Dyer DC, Nichols DE, Rusterholz DB, et al: Comparative effects of stereoisomers of psychotomimetic phenylisopropylamines. Life Sci 13:885-96, 1 Oct 73
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ARTERIES, drug effects/ ATROPINE, pharmacodynamics/ COMPARATIVE STUDY/ DOM, pharmacodynamics/ FEMALE/ *HALUCINOGENS, pharmacodynamics/ KINETICS/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ ORGAN CULTURE/ PHENOXYBENZAMINE, pharmacodynamics/ PREGNANCY/ *PROPYLAMINES, pharmacodynamics/ RECEPTORS, DRUG, drug effects/ SEROTONIN, pharmacodynamics/ SHEEP/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SYMPATHOLYTICS, pharmacodynamics/ *UMBILICAL CORD, innervation
997. Dyer RG: An electrophysiological dissection of the hypothalamic regions which regulate the pre-ovulatory secretion of luteinizing hormone in the rat. J Physiol (Lond) 234:421-42, Oct 73
*ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ BRAIN MAPPING/ ELECTRIC STIMULATION/ ESTRUS/ FEMALE/ HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, physiology/ LACTATION/ *LH, secretion/ MAMMAE, physiology/ NEURAL CONDUCTION/ NEURONS, physiology/ OVULATION/ OXYTOCIN, pharmacodynamics/ PRESSURE/ RATS
998. Dzhuvalikov GP: Stanok dlia izgotovleniia kostnykh plastin i shlifov.
Sud Med Ekspert 18:46-7, Apr-Jun 73 (Rus)
*BONE AND BONES/ FORENSIC MEDICINE, instrumentation/ HUMAN/ *MICROTOMY, instrumentation
999. Dzivalan AM: Dinamika fazovoi struktury serdechnogo tsikla u beremennykh zhenshchin s gipotireozom.
Vopr Okhr Materin Det 18:64-7, Aug 73 (Rus)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ *HEART, physiopathology/ HUMAN/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, physiopathology/ THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS
- E**
1000. Eastridge CE, Hamman JL: Pneumothorax complicated by chronic steroid treatment.
Am J Surg 128:784-7, Dec 73
ADULT/ AGED/ ANEMIA, APLASTIC, chemically induced/ ANEMIA, APLASTIC, drug therapy/ ANIMAL EXPERIMENTS/ ARTHRITIS, drug therapy/ ASTHMA, drug therapy/ DOGS/ *DRAINAGE/ *GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ LUNG DISEASES, OBSTRUCTIVE, drug therapy/ MALE/ MIDDLE AGE/ *PNEUMOTHORAX, complications/ PNEUMOTHORAX, surgery/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PSEUDOMONAS INFECTIONS, etiology/ RESPIRATORY INSUFFICIENCY, etiology/ SEPTICEMIA, etiology
1001. Ebels I, Benson B, Matthews MJ: Localization of a sheep pineal antgonadotropin.
Anal Biochem 58:546-65, Dec 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CHROMATOGRAPHY, PAPER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, PAPER/ FEMALE/ GEL FILTRATION/ *GONADOTROPINS, antagonists & inhibitors/ HYPERTROPHY, chemically induced/ MALE/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT/ OVARY, drug effects/ *PINEAL BODY/ PROSTATE, drug effects/ SEMINAL VESICLES, drug effects/ SHEEP/ TESTIS, drug effects/ *TISSUE EXTRACTS, isolation & purification/ TISSUE EXTRACTS, pharmacodynamics/ ULTRAFILTRATION/ UTERUS, drug effects
1002. Eberhagen D: Bedeutung der Hydroxyprolinausscheidung.
Med Klin 68:1342, 12 Oct 73 (Ger)
ADOLESCENCE/ ADULT/ BONE DISEASES, urine/ CHILD/ ENDOCRINE DISEASES, urine/ FEMALE/ GROWTH/ HUMAN/ *HYDROXYPROLINE, urine/ MUSCULAR DISEASES, urine/ PREGNANCY/ SKIN DISEASES, urine
1003. Ebstein RP, Park DH, Freedman LS, et al: A radioimmunoassay of human circulatory dopamine-beta-hydroxylase.
Life Sci 13:769-84, 1 Oct 73
CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ *DOPAMINE BETA HYDROXYLASE, blood/ DOPAMINE BETA HYDROXYLASE, isolation & purification/ DOPAMINE BETA HYDROXYLASE, metabolism/ EVALUATION STUDIES/ HUMAN/ IODINE RADIOISOTOPES/ KINETICS/ METHODS/ PHEOCHROMOCYTOMA, enzymology/ RABBITS, immunology/ RADIOIMMUNOASSAY
1004. Echave Llanos JM, Gómez Dumm CL: Ultrastructure of STH cells of the pars distalis of castrated male mice after hepatectomy.
Z Zellforsch Mikrosk Anat 144:31-5, 30 Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/ CELL DIFFERENTIATION/ CELL MOVEMENT/ CELLULAR INCLUSIONS/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ HEPATECTOMY/ *LIVER, physiology/ LYSOSOMES/ MALE/ MICE/ MICE, INBRED C3H, anatomy & histology/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, cytology/ *SOMATOTROPIN, secretion/ TESTIS, physiology

AUTHOR SECTION

1005. Echternkamp SE, Hansel W: Concurrent changes in bovine plasma hormone levels prior to and during the first postpartum estrous cycle.
J Anim Sci 37:1362-70, Dec 73
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ *ESTRUS/ FEMALE/ GEL FILTRATION/ *GLUCOCORTICOIDS, blood/ *LH, blood/ PREGNANCY/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TRITIUM
1006. Eckert R, Naitoh Y, Friedman K: Sensory mechanisms in Paramecium. I. Two components of the electric response to mechanical stimulation of the anterior surface. J Exp Biol 58:883-94, Jun 72
*ACTION POTENTIALS/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ *EVOKED POTENTIALS/ MEMBRANE POTENTIALS/ PARAMECIUM, cytology/ PARAMECIUM, metabolism/ *PARAMECIUM, physiology/ PHYSICAL STIMULATION/ POTASSIUM, metabolism
1007. Eckstein B, Ravid R: On the mechanism of the onset of puberty: Identification and pattern of 5 alpha-androstane-3 beta, 17 beta-diol and its 3 alpha epimer in peripheral blood of immature female rats. Endocrinology 91:224-9, Jan 74
AGE FACTORS/ ANDROSTANES, administration & dosage/ *ANDROSTANES, blood/ ANDROSTANES, pharmacodynamics/ ANHYDRIDES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYSTERIODS, administration & dosage/ HYDROXYSTERIODS, blood/ HYDROXYSTERIODS, pharmacodynamics/ *PUBERTY, drug effects/ TIME FACTORS/ TRITIUM/ VAGINA, drug effects
1008. Eddy TP: Deaths from falls and fractures. Comparison of mortality in Scotland and the United States with that in England and Wales.
Br J Prev Soc Med 27:247-54, Nov 73
*ACCIDENTS, HOME/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ENGLAND/ FEMALE/ *FRACTURES, mortality/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ MILK/ NEGROID RACE/ SCOTLAND/ SUNLIGHT/ UNITED STATES/ URBAN POPULATION/ VITAMIN D/ WALES
1009. Edelson PJ, Caspe WB: Letter: Management of croup. J Pediatr 83:167, Jul 73
ACUTE DISEASE/ AIRWAY OBSTRUCTION, etiology/ ANTIBIOTICS, therapeutic use/ CHILD/ EPIGLOTTIS/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HUMIDITY/ LARYNGITIS, complications/ LARYNGITIS, drug therapy/ *LARYNGITIS, therapy/ RESPIRATORY INSUFFICIENCY, etiology/ TRACHEOTOMY
1010. Edelstyn GA, Macrae KD: Cyclical combination chemotherapy in advanced breast cancer. Br J Cancer 28:459-61, Nov 73
*BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, therapy/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FLUOROURACIL, administration & dosage/ FLUOROURACIL, therapeutic use/ HUMAN/ HYPOPHYSECTOMY, adverse effects/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ NORETHINDRONE, administration & dosage/ NORETHINDRONE, therapeutic use/ REMISSION/ TIME FACTORS/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use
1011. Edwards BR, Chan ST: Effects of adenohypophysectomy and aminoglutethimide on water and electrolyte composition of Xenopus laevis Daudin. J Endocrinol 59:623-32, Dec 73
*AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLADDER, metabolism/ CHLORIDES, metabolism/ FEMALE/ *HYPOPHYSECTOMY/ MUSCLES, metabolism/ POTASSIUM, metabolism/ *SODIUM, metabolism/ URINE/ *WATER-ELECTROLYTE BALANCE/ *XENOPUS, metabolism
1012. Edwards EM, Jones AR, Waites GM: Proceedings: The action of alpha-chlorohydrin (3-chloro-propane 1,2-diol) on the metabolism of glycerol in male rats. J Reprod Fertil 35:589-90, Dec 73
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CHLORINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ EPIDIDYMI, metabolism/ *GLYCERIN, metabolism/ MALE/ PHOSPHOLIPIDS, metabolism/ PROPANEDIOLS, metabolism/ *PROPANEDIOLS, pharmacodynamics/ RATS/ TESTIS, metabolism
1013. Edwards JE Jr, Foos RY, Montgomerie JZ, et al: Ocular manifestations of Candida septicemia: review of seventy-six cases of hematogenous Candida endophthalmitis. Medicine (Baltimore) 53:47-75, Jan 74 (101 ref.)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGE FACTORS/ AGED/ AMPHOTERICIN B, therapeutic use/ ANTIBIOTICS, adverse effects/ CHILD/ CHILD, PRESCHOOL/ EYE, pathology/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ INFANT/ INFUSIONS, PARENTERAL, adverse effects/ MALE/ MIDDLE AGE/ *MONILIASIS, complications/ MONILIASIS, drug therapy/ MONILIASIS, pathology/ OPHTHALMIA, drug therapy/ *OPHTHALMIA, etiology/ OPHTHALMIA, pathology/ POSTOPERATIVE COMPLICATIONS/ RACIAL STOCKS/ REVIEW/ *SEPTICEMIA, complications/ SEX FACTORS
1014. Edwards OM, Adetuyibi A, Mills IH: Proceedings: Kallikrein excretion during the "escape" from the sodium retaining effect of fludrocortisone. J Endocrinol 59:xxxiv, Nov 73
EDEMA, metabolism/ *FLUDROCORTISONE, pharmacodynamics/ HUMAN/ *KALLIKREIN, urine/ POTASSIUM, metabolism/ SODIUM, metabolism/ *SODIUM, metabolism
1015. Efanov NA: Vliyanie kompleksa vitaminov na organizm korov i teliat. Veterinarika 49:90-3, Jan 73 (Rus)
ANIMAL EXPERIMENTS/ BLOOD, drug effects/ BODY WEIGHT, drug effects/ CATTLE/ *CATTLE, growth & development/ COLOSTRUM, drug effects/ EMULSIONS/ *ERGOCALCIFEROL, therapeutic use/ FEMALE/ MILK, drug effects/ *VITAMIN A, therapeutic use
1016. Egg D: Bestimmung von Progesteron im Plasma durch Dünnschichtchromatographische Direktauswertung. J Chromatogr 86:151-7, 7 Nov 73 (Ger)
CHROMATOGRAPHY, THIN LAYER/ DENSITOMETRY/ ENGLISH ABSTRACT/ FLUORESCENCE/ HUMAN/ METHODS/ MICROCHEMISTRY/ *PROGESTERONE, blood/ SPECTROMETRY, FLUORESCENCE
1017. Eggena P, Polson AX: Osmotic stimulation of vasotocin secretion by the toad's hypothalamo-neurohypophyseal system in vitro. Endocrinology 91:35-44, Jan 74
ANIMAL EXPERIMENTS/ BUFO MARINUS/ CULTURE MEDIA/ FEMALE/ HYPERTONIC SOLUTIONS/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, secretion/ MANNITOL, pharmacodynamics/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ POTASSIUM CHLORIDE, pharmacodynamics/ SODIUM CHLORIDE, pharmacodynamics/

AUTHOR SECTION

- TISSUE CULTURE/ UREA, pharmacodynamics/
*VASOTOCIN, secretion
1018. Egger EG: The Irvine-Gass syndrome.
Ophthalmologica 167:443-5, 1973
*CATARACT EXTRACTION/ CYSTS, drug
therapy/ *CYSTS, etiology/ EYE DISEASES,
drug therapy/ EYE DISEASES, etiology/
HUMAN/ *MACULA LUTEA/
POSTOPERATIVE COMPLICATIONS/
PREDNISONE, therapeutic use/ SYNDROME/
VISION DISORDERS, etiology/ VISUAL
ACUITY/ *VITREOUS BODY
1019. Egozcue J, Aragonés J, Caballín MR, et al: Banding
patterns of the chromosomes of man and gorilla.
Ann Genet (Paris) 16:207-10, Sep 73
*APES/ CELLS, CULTURED/
CHROMOSOMES/ COMPARATIVE STUDY/
HUMAN/ KARYOTYPING/ LEUKOCYTES/
QUINACRINE/ SEX CHROMOSOMES
1020. Egyedi P, Guggenheim B: The uptake and release of
antibiotics by lyophilized bone.
J Maxillofac Surg 1:177-82, Sep 73
BONE AND BONES, metabolism/
CLOXACILLIN, metabolism/ FREEZE
DRYING/ LINCOMYCIN, metabolism/
SPECIAL LIST DENTAL/ TETRACYCLINE,
metabolism
1021. Egyedi P, Guggenheim B: The uptake and release of
antibiotics by lyophilized bone.
J Maxillofac Surg 1:177-82, Sep 73
ANIMAL EXPERIMENTS/ *ANTIBIOTICS,
metabolism/ ANTIBIOTICS, therapeutic use/
*BONE AND BONES, metabolism/
CLOXACILLIN, metabolism/ EVALUATION
STUDIES/ FEMUR/ FREEZE DRYING/ IN
VITRO/ LINCOMYCIN, metabolism/ MACACA/
RATS/ SURGICAL WOUND INFECTION, drug
therapy/ TETRACYCLINE, metabolism
1022. Ehara Y, Siler T, VandenBerg G, et al: Circulating
prolactin levels during the menstrual cycle: episodic
release and diurnal variation.
Am J Obstet Gynecol 117:962-70, 1 Dec 73
ADULT/ AMPHETAMINE, pharmacodynamics/
BINDING, COMPETITIVE/ *CIRCADIAN
RHYTHM/ ESTROGENS, blood/ FEMALE/
FSH, blood/ HUMAN/ LH, blood/
*MENSTRUATION/ PREGNANCY/
PROGESTERONE, blood/ *PROLACTIN, blood/
PROLACTIN, physiology/ PROLACTIN,
secretion/ PUERPERIUM/
RADIOIMMUNOASSAY/ SLEEP/
STIMULATION, CHEMICAL/ TIME FACTORS
1023. Ehrensing RH, Kastin AJ: Melanocyte-stimulating
hormone-release inhibiting hormone as a
antidepressant. A pilot study.
Arch Gen Psychiatry 30:63-5, Jan 74
ADULT/ ANIMAL EXPERIMENTS/
ANTIDEPRESSIVE AGENTS, therapeutic use/
CLINICAL RESEARCH/ DEPRESSION,
diagnosis/ *DEPRESSION, drug therapy/
DRUG EVALUATION/ FEMALE/ HUMAN/
MICE/ MIDDLE AGE/ MSH/ OLIGOPEPTIDES,
administration & dosage/ *OLIGOPEPTIDES,
therapeutic use/ PILOT PROJECTS/
*PITUITARY HORMONE RELEASING
HORMONES, antagonists & inhibitors/
PLACEBOS/ PSYCHOSES, INVOLUTIONAL,
drug therapy/ PSYCHOSES,
MANIC-DEPRESSIVE, drug therapy/ RATS/
RECURRENCE/ REMISSION
1024. Ehrhardt AA, Money J: Prenatal hormones and human
behavior. Ill Med J 141:386-9, Apr 73
ADOLESCENCE/ *BEHAVIOR, drug effects/
CHILD/ CHILD, PRESCHOOL/ *CORTISONE,
pharmacodynamics/ FEMALE/ FETUS, drug
effects/ HUMAN/ PREGNANCY/
*PROGESTERONE, pharmacodynamics/
*PSYCHOSEXUAL DEVELOPMENT, drug
effects/ *SEX DIFFERENTIATION
DISORDERS
1025. Elcher W, Kubli F: Sexualmedizinische Probleme in der
Gynäkologie.
- Geburtshilfe Frauenheilkd 33:732-6, Sep 73 (Ger)
ADULT/ BEHAVIOR THERAPY/ COITUS/
CONTRACEPTIVES, ORAL, adverse effects/
DYSPAREUNIA, therapy/ ENGLISH
ABSTRACT/ EVALUATION STUDIES/
FEMALE/ *GYNECOLOGIC DISEASES,
therapy/ HUMAN/ LIBIDO/ MALE/ ORGASM/
PERSONALITY DISORDERS, therapy/
*PSYCHOPHYSIOLOGIC DISORDERS, therapy/
PSYCHOTHERAPY, BRIEF/ SEX BEHAVIOR/
SEX DISORDERS, chemically induced/ SEX
DISORDERS, psychopathology/ *SEX
DISORDERS, therapy/ SEX EDUCATION
1026. Elchhorn GL, Berger NA, Butzov JJ, et al: Clinical
sonography in urology.
Urology 1:506-22, Jun 73 (12 ref.)
ADENOCARCINOMA, diagnosis/ ADRENAL
GLAND NEOPLASMS, diagnosis/ ADRENAL
GLANDS, anatomy & histology/ AORTA,
ABDOMINAL, anatomy & histology/ BIOPSY,
NEEDLE/ BLADDER, anatomy & histology/
BLADDER NEOPLASMS, diagnosis/
DIAGNOSIS, DIFFERENTIAL/ HEMATOMA,
diagnosis/ HUMAN/ HYDRONEPHROSIS,
diagnosis/ KIDNEY, abnormalities/ KIDNEY,
anatomy & histology/ KIDNEY CORTEX,
anatomy & histology/ KIDNEY, CYSTIC,
diagnosis/ KIDNEY NEOPLASMS, diagnosis/
KIDNEY, POLYCYSTIC, diagnosis/ METHODS/
NUCLEAR MAGNETIC RESONANCE/
PANCREATIC CYST, diagnosis/ PANCREATIC
NEOPLASMS, diagnosis/ REVIEW/
*ULTRASONICS, diagnostic use/ URETERAL
OBSTRUCTION, diagnosis/ *UROLOGIC
DISEASES, diagnosis/ VENA CAVA,
INFERIOR, anatomy & histology
1027. Elmer H: Genitalmykosen bei Kontrazeption mit
Sequenzpräparaten.
Geburtshilfe Frauenheilkd 33:790-2, Oct 73 (Ger)
*CANDIDA ALBICANS, isolation &
purification/ COMPARATIVE STUDY/
*CONTRACEPTIVES, ORAL/ DRUG
COMBINATIONS/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ *VAGINA, microbiology/
VAGINAL SMEARS
1028. Ein SH: Malignant ovarian tumors in children.
J Pediatr Surg 8:539-42, Aug 73
ADENOCARCINOMA, PAPILLARY, drug
therapy/ ADENOCARCINOMA, PAPILLARY,
radiotherapy/ *ADENOCARCINOMA,
PAPILLARY, surgery/ ADOLESCENCE/
CHILD/ CHORIOCARCINOMA, drug therapy/
CHORIOCARCINOMA, radiotherapy/
*CHORIOCARCINOMA, surgery/
DACTINOMYCIN, therapeutic use/
DISGERMINOMA, drug therapy/
DISGERMINOMA, radiotherapy/
*DISGERMINOMA, surgery/ FEMALE/
GRANULOSA CELL TUMOR, drug therapy/
GRANULOSA CELL TUMOR, radiotherapy/
*GRANULOSA CELL TUMOR, surgery/
HUMAN/ OVARIAN NEOPLASMS, drug
therapy/ OVARIAN NEOPLASMS,
radiotherapy/ *OVARIAN NEOPLASMS,
surgery/ PALLIATIVE TREATMENT/
TERATOID TUMOR, drug therapy/ TERATOID
TUMOR, radiotherapy/ *TERATOID TUMOR,
surgery
1029. Einsiedel-Schömer W: Klinischer Wirkungsnachweis
von Lebertherapeutika.
Z Allgemeinmed 49:1452-5, 31 Oct 73 (20 ref.) (Ger)
ADRENAL CORTEX HORMONES, therapeutic
use/ ANIMAL EXPERIMENTS/ BIOPSY/
CHRONIC DISEASE/ CLINICAL RESEARCH/
DISEASE MODELS, ANIMAL/ *DRUG
EVALUATION/ *DRUG SCREENING/ DRUG
THERAPY, standards/ ENZYME TESTS/
HUMAN/ LIVER DISEASES, diagnosis/
*LIVER DISEASES, drug therapy/ LIVER
DISEASES, pathology/ MICROSCOPY,
ELECTRON/ REVIEW/ STATISTICS
1030. Elsen EJ: Direct and maternal genetic responses
resulting from selection for 12-day litter weight in
mice. Can J Genet Cytol 15:483-90, Sep 73
AGE FACTORS/ ANALYSIS OF VARIANCE/

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ *BODY WEIGHT/ CROSSES, GENETIC/ FEMALE/ *GROWTH/ HYBRID VIGOR/ *HYBRIDIZATION/ LACTATION/ MALE/ MICE/ MODELS, BIOLOGICAL/ PREGNANCY/ PREGNANCY, ANIMAL/ *SELECTION (GENETICS)/ SEX FACTORS
1031. Elsen HJ, Goldfine ID, Glüsmann WH: Regulation of hepatic glycogen synthesis during fetal development: roles of hydrocortisone, insulin, and insulin receptors. *Proc Natl Acad Sci USA* 70:3454-7, Dec 73
ANIMAL EXPERIMENTS/ BINDING SITES/ DACTINOMYCIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION/ GESTATIONAL AGE/ *GLYCOGEN, biosynthesis/ GLYCOGEN SYNTHETASE, metabolism/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE, pharmacodynamics/ INSULIN, metabolism/ *INSULIN, pharmacodynamics/ IODINE RADIOISOTOPES/ *LIVER, embryology/ LIVER, metabolism/ ORGAN CULTURE/ PREGNENOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE/ STIMULATION, CHEMICAL
1032. Eisenring JJ, Dick P, Tissot R, et al: Association L-dopa, désipramine et inhibiteur de la décarboxylase dans le traitement de la dépression. *Psychopharmacologia* 33:95-101, 23 Oct 73 (Fre)
ADULT/ AGED/ ANXIETY/ *CARBOXY-LYASES, antagonists & inhibitors/ *DEPRESSION, drug therapy/ *DESIPRAMINE, therapeutic use/ *DOPA, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDRAZINES, therapeutic use/ MALE/ METHYLDOPAHYDRAZINE, therapeutic use/ MIDDLE AGE
1033. Eisenstadt M, Goldman JE, Kandel ER, et al: Intrasmatic injection of radioactive precursors for studying transmitter synthesis in identified neurons of *Aplysia californica*. *Proc Natl Acad Sci USA* 70:3371-5, Dec 73
*ACETYLCHOLINE, biosynthesis/ AUTORADIOGRAPHY/ CHOLINE, metabolism/ GANGLIA, cytology/ GANGLIA, metabolism/ HISTOCYTOCHEMISTRY/ INJECTIONS/ *ISOTOPE LABELING/ METHODS/ MOLLUSCA/ *NEURONS, metabolism/ *SEROTONIN, biosynthesis/ TRITIUM/ TRYPTOPHAN, metabolism
1034. Eisenstein AB, Strack I, Steiner A: Glucagon stimulation of hepatic gluconeogenesis in rats fed a high-protein, carbohydrate-free diet. *Metabolism* 23:15-23, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ALANINE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *DIET/ DIETARY CARBOHYDRATES, metabolism/ DIETARY PROTEINS, metabolism/ DIETARY PROTEINS, pharmacodynamics/ GLUCAGON, blood/ *GLUCAGON, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ INSULIN, blood/ INSULIN, pharmacodynamics/ LIVER, analysis/ *LIVER, metabolism/ LIVER GLYCOGEN, biosynthesis/ MALE/ PERFUSION/ RATS/ STIMULATION, CHEMICAL
1035. Elbling L: Does gonadotropin-induced ovulation in mice cause malformations in the offspring? *Nature* 246:37-9, 2 Nov 73
*ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ FEMALE/ *FERTILITY AGENTS, adverse effects/ FETAL DEATH, chemically induced/ *FORELIMB, abnormalities/ *GONADOTROPINS, adverse effects/ GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, adverse effects/ GONADOTROPINS, EQUINE, adverse effects/ MALE/ MICE/ OVULATION, drug effects/ PREGNANCY/ SEX RATIO
1036. Elice JS, Chandra J: Estrogen mercapturic acids in the adult male rat. *Steroids* 22:699-705, Nov 73
*ACETYLCYSTEINE, urine/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ CRYSTALLIZATION/ ESTRADIOL, metabolism/ *ESTRADIOL, urine/ GLUTATHIONE/ ISOTOPE LABELING/ MALE/ RATS/ SILICA/ STEROIDS, metabolism/ TIME FACTORS/ TRITIUM
1037. Elert O, Staib W: Influence of adrenalectomy and beta-methasone on the composition of liver cell membrane. *Steroids Lipids Res* 4:65-75, Mar 73
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *BETAMETHASONE, pharmacodynamics/ CARBOHYDRATES, metabolism/ CELL FRACTIONATION/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHOLESTEROL, metabolism/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GLUCOSEPHOSPHATASE, analysis/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ MICROSCOPY, ELECTRON/ MICROSOMES, LIVER, enzymology/ MITOCHONDRIA, LIVER, enzymology/ NUCLEOTIDASES, analysis/ PROTEINS, metabolism/ RATS/ SUCCINATE DEHYDROGENASE, analysis
1038. Elespuru RK, Lijinsky W: The formation of carcinogenic nitroso compounds from nitrite and some types of agricultural chemicals. *Food Cosmet Toxicol* 11:807-17, Oct 73
*CARCINOGENS, chem synthesis/ CHEMISTRY/ INSECTICIDES/ *NITRITES/ NITROSAMINES, chem synthesis/ *NITROSO COMPOUNDS, chem synthesis/ *PESTICIDES/ SEVIN/ TEMPERATURE/ THIOUREA, chem synthesis/ UREA, chem synthesis
1039. Elias JJ, Pitelka DR, Armstrong RC: Changes in fat cell morphology during lactation in the mouse. *Anat Rec* 177:533-47, Dec 73
*ADIPOSE TISSUE, cytology/ ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CYTOPLASM/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS/ FEMALE/ LACTATION/ LIPID MOBILIZATION/ *MAMMAE, cytology/ *MICE, anatomy & histology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ PREGNANCY/ RIBOSOMES/ TIME FACTORS/ WEANING
1040. Ellis SM, Ekins RP: Proceedings: The radioimmunoassay of free (diffusible) T3 and T4 concentrations in serum. *J Endocrinol* 59:43, Nov 73
METHODS/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood
1041. Elstein M, Briston PG, Jenkins M, et al: Effects of a low-oestrogen oral contraceptive on urinary excretion of luteinizing hormone and ovarian steroids. *Br Med J* 1:11-3, 5 Jan 74
ADULT/ BODY TEMPERATURE/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *ESTROGENS, urine/ FEMALE/ HUMAN/ *LH, urine/ MESTRANOL, administration & dosage/ *MESTRANOL, pharmacodynamics/ NORETHINDRONE, administration & dosage/ *NORETHINDRONE, pharmacodynamics/ *PREGNANEDIOL, urine/ *PREGNANETRIOL, urine
1042. Elwood JM: Letter: Clomiphene and anencephalic births. *Lancet* 1:31, 5 Jan 74
*ANENCEPHALUS, chemically induced/ ANENCEPHALUS, familial & genetic/ ANENCEPHALUS, occurrence/ *CLOMIPHENE, adverse effects/ CLOMIPHENE, pharmacodynamics/ FEMALE/ FERTILITY/ HUMAN/ ILLEGITIMACY/ NIDATION, drug effects/ OVULATION, drug effects/

AUTHOR SECTION

- PREGNANCY/ PREGNANCY, MULTIPLE/
TWINS
1043. Elwood M, Hartog M, Lehane J, et al: Proceedings: The relationship between plasma concentrations of luteinizing hormone and testosterone in man. *J Reprod Fertil* 35:629-30, Dec 73
ADULT/ *CIRCADIAN RHYTHM/ HUMAN/
*LH, blood/ MALE/ RADIOIMMUNOASSAY/
*TESTOSTERONE, blood
1044. Emrich D, Schulz U, Mühlen A von zur, et al: Bedeutung und Treffsicherheit verschiedener Parameter der Schilddrüsenfunktion in der Praxis. Ein Vergleich. *Dtsch Med Wochenschr* 98:2169-74, 16 Nov 73 (Ger)
ADENOMA, diagnosis/ COMPARATIVE
STUDY/ ENGLISH ABSTRACT/ ESTROGENS,
pharmacodynamics/ EVALUATION STUDIES/
GOITER, diagnosis/ GOITER,
EXOPHTHALMIC, diagnosis/ HUMAN/
HYPERTHYROIDISM, diagnosis/
HYPOTHYROIDISM, diagnosis/ IODINE
ISOTOPES, DIAGNOSTIC/ IODINE
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PROTEIN-BOUND IODINE TEST/
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DISEASES, diagnosis/ THYROID GLAND, drug
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TESTS, standards/ THYROID NEOPLASMS,
diagnosis/ THYROIDITIS, diagnosis/
THYROXINE, diagnostic use/ TIME
FACTORS/ TRIIODOTHYRONINE, diagnostic
use
1045. Emtage JS, Lawson DE, Kodicek E: Vitamin D-induced synthesis of mRNA for calcium-binding protein. *Nature* 246:100-1, 9 Nov 73
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CARBON RADIOISOTOPES/ CELL
FRACTIONATION/ CELL-FREE SYSTEM/
CHICKENS/ *CHOLECALCIFEROL,
pharmacodynamics/ IMMUNOASSAY/
INTESTINAL MUCOSA, cytology/
INTESTINAL MUCOSA, metabolism/
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LIVER, metabolism/ *POLYRIBOSOMES,
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RETICULOCYTES, metabolism/ *RNA,
MESSENGER, biosynthesis/ *TRANSCRIPTION,
GENETIC, drug effects/ TRANSLATION,
GENETIC, drug effects/ TRITIUM
1046. Endo M, Blinks JR: Inconstant association of aequorin luminescence with tension during calcium release in skinned muscle fibres. *Nature [New Biol]* 246:218-21, 19 Dec 73
ANIMAL EXPERIMENTS/ CAFFEINE,
pharmacodynamics/ *CALCIUM, metabolism/
CHLORIDES, pharmacodynamics/
COELENTERATA/ IN VITRO/
*LUMINESCENCE/ *MUSCLE CONTRACTION/
MUSCLES, drug effects/ *MUSCLES,
metabolism/ PROTEINS/ XENOPUS
1047. Endo Y, Ogura Y: Separation of catecholamines on the phospho-cellulose column. *Jap J Pharmacol* 23:491-6, Aug 73
ADRENAL GLANDS, analysis/ ANIMAL
EXPERIMENTS/ BRAIN CHEMISTRY/
*CATECHOLAMINES, isolation & purification/
CELLULOSE/ *CHROMATOGRAPHY/
HYDROGEN-ION CONCENTRATION/
ORGANOPHOSPHORUS COMPOUNDS/ RATS
1048. Endrőczy E, Szabó G: Effects of ovariectomy and oestradiol-17beta treatment on brain catecholamines in the rat. *Acta Physiol Acad Sci Hung* 43:43-8, 1973
ANIMAL EXPERIMENTS/ BRAIN, drug
effects/ *BRAIN, metabolism/ BRAIN STEM,
metabolism/ CASTRATION/
*CATECHOLAMINES, metabolism/ DOPAMINE,
metabolism/ *ESTRADIOL, pharmacodynamics/
FEMALE/ HIPPOCAMPUS, metabolism/
HYPOTHALAMUS, drug effects/
HYPOTHALAMUS, metabolism/
NOREPINEPHRINE, metabolism/ *OVARY,
physiology/ RATS/ TESTOSTERONE,
pharmacodynamics/ TIME FACTORS
1049. Engel RM: Bladder exstrophy: vesicoplasty or urinary diversion? *Urology* 2:20-4, Jul 73
ADENOCARCINOMA, etiology/ ADULT/ ANUS,
IMPERFORATE, complications/ BLADDER,
pathology/ *BLADDER, surgery/ BLADDER
EXSTROPHY, complications/ BLADDER
EXSTROPHY, pathology/ *BLADDER
EXSTROPHY, surgery/ BLADDER
NEOPLASMS, etiology/ CHILD, PRESCHOOL/
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NEWBORN/ INFLAMMATION/ KIDNEY,
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PYELONEPHRITIS, etiology/
RHABDOMYOSARCOMA, etiology/ SIGMOID,
surgery/ UMBILICAL HERNIA, complications/
*URINARY DIVERSION/ URINARY
INCONTINENCE, etiology
1050. England BG, Karavolas HJ, Hauser ER, et al: Ovarian follicular estrogens in Angus heifers. *J Anim Sci* 37:1176-9, Nov 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/ CORPUS
LUTEUM, analysis/ ESTRADIOL, analysis/
ESTRIOL, analysis/ *ESTROGENS, analysis/
ESTRONE, analysis/ ESTRUS/ FEMALE/
*GRAAFIAN FOLLICLE, analysis/ GRAAFIAN
FOLLICLE, anatomy & histology/ ORGAN
WEIGHT
1051. England BG, Niswender GD, Midgley AR Jr: Radioimmunoassay of estradiol-17beta without chromatography. *J Clin Endocrinol Metab* 38:42-50, Jan 74
CHROMATOGRAPHY/ *ESTRADIOL, blood/
FSH, blood/ HUMAN/ IMMUNE SERUMS/ LH,
blood/ METHODS/ METHYLTYROSINES/
PROGESTERONE, blood/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ SUCCINATES
1052. England P, Lorrimer D, Fergusson JC, et al: Human placental lactogen: the watchdog of fetal distress. *Lancet* 1:5-6, 5 Jan 74
ASPHYXIA NEONATORUM, diagnosis/
FEMALE/ *FETAL DISEASES, diagnosis/
HUMAN/ INFANT MORTALITY/ INFANT,
NEWBORN/ *INFANT, NEWBORN, DISEASES,
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*PLACENTAL LACTOGEN, blood/
PREGNANCY/ PREGNANCY
COMPLICATIONS, blood/ *PRENATAL
DIAGNOSIS/ RADIOIMMUNOASSAY
1053. Ennis JT, Serjeant GR, Middlemiss H: Homozygous sickle cell disease in Jamaica. *Br J Radiol* 46:943-50, Nov 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
ANEMIA, SICKLE CELL, complications/
ANEMIA, SICKLE CELL, familial & genetic/
*ANEMIA, SICKLE CELL, radiography/ BONE
AND BONES, blood supply/ BONE DISEASES,
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FINGERS, radiography/ HOMOZYGOTE/
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INFARCTION/ JAMAICA/ LUMBAR
VERTEBRAE, radiography/ MALE/
METACARPUS, radiography/ OSTEOPOROSIS,
complications/ TIBIA, radiography
1054. Enwonwu CO, Stambaugh RV, Jacobson KL: Protein-energy deficiency in nonhuman primates: biochemical and morphological alterations. *Am J Clin Nutr* 26:1287-302, Dec 73
ADRENAL CORTEX HORMONES, blood/
ADRENAL GLANDS, pathology/ AMINO
ACIDS, metabolism/ AMINO ACYL T RNA
SYNTHETASES, metabolism/ ANIMAL
EXPERIMENTS/ ANIMAL NUTRITION/
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AUTHOR SECTION

- & dosage/ *DISEASE MODELS, ANIMAL/
FEMALE/ LIVER, anatomy & histology/
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*MACACA, metabolism/ MALE/ MONKEYS/
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*PROTEIN-CALORIE MALNUTRITION,
metabolism/ PROTEIN-CALORIE
MALNUTRITION, pathology/ PROTEINS,
metabolism/ SPECIES SPECIFICITY/ SPLEEN,
pathology/ THYROID GLAND, pathology
1055. Enzell K, Lindemalm G: Cryptogenic cerebral embolism in women taking oral contraceptives. *Br Med J* 4:507-12, 1 Dec 73
ADULT/ BLOOD PRESSURE/ CAROTID ARTERY THROMBOSIS/ CEREBRAL ANGIOGRAPHY/ *CEREBRAL EMBOLISM AND THROMBOSIS, chemically induced/ CEREBROVASCULAR DISORDERS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HEADACHE, etiology/ HEMIPLEGIA, etiology/ HUMAN
1056. Epstein E: Intravesical triamcinolone therapy in herpes zoster and postzoster neuralgia. *Eye Ear Nose Throat Mon* 52:416-7, Nov 73
FEMALE/ *HERPES ZOSTER, complications/ HERPES ZOSTER, drug therapy/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ NEURALGIA, drug therapy/ *NEURALGIA, etiology/ *TRIAMCINOLONE, administration & dosage/ TRIAMCINOLONE, therapeutic use
1057. Epstein R, Hardy MA Jr: Electric response of crab muscle fibers dependent on Ca^{2+} and metabolism. *Acta Physiol Lat Am* 23:183-92, 1973
ANIMAL EXPERIMENTS/ AZIDES, pharmacodynamics/ *CALCIUM, metabolism/ *CRABS, physiology/ DINITROPHENOLS, pharmacodynamics/ ELECTRIC STIMULATION/ MANGANESE, pharmacodynamics/ *MEMBRANE POTENTIALS, drug effects/ *MUSCLE CONTRACTION, drug effects/ *MUSCLES, metabolism/ SODIUM, pharmacodynamics
1058. Eränkő O: Sympaattisen hermoston toiminnallista histokemialta. *Duodecim* 89:867-82, 1973 (Fin)
ANIMAL EXPERIMENTS/ CELL DIVISION, drug effects/ CYTOPLASMIC GRANULES, analysis/ ENGLISH ABSTRACT/ EPINEPHRINE, analysis/ FORMALDEHYDE, diagnostic use/ GLUCOCORTICOIDS, pharmacodynamics/ HAMSTERS/ HISTOCYTOCHEMISTRY/ HUMAN/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ NEURONS, analysis/ NEURONS, drug effects/ NOREPINEPHRINE, analysis/ RATS/ STAINS AND STAINING/ STIMULATION, CHEMICAL/ *SYMPATHETIC NERVOUS SYSTEM, analysis/ SYMPATHETIC NERVOUS SYSTEM, cytology
1059. Erdmann G: Zur Beeinflussung der Vaginal-Zytologie durch hormonale Kontrazeptiva. *Fortschr Med* 91:1405-7, 20 Dec 73 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ EPITHELIAL CELLS, drug effects/ FEMALE/ HUMAN/ PREGNANCY/ VAGINA, cytology/ *VAGINA, drug effects/ *VAGINAL SMEARS
1060. Erichsen E: Yrkesmedisinske aspekter på periarthritale sykdommer. *Tidsskr Nor Lægeforen* 93:2358-60, 20 Nov 73 (Nor)
*ARM INJURIES, etiology/ ARM INJURIES, therapy/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, therapeutic use/ INFLAMMATION, etiology/ *OCCUPATIONAL DISEASES, etiology/ OCCUPATIONAL DISEASES, therapy/ PHYSICAL THERAPY/ REHABILITATION, VOCATIONAL/ SHOULDER/ STRESS, MECHANICAL/ TENDINITIS, drug therapy/ *TENDINITIS, etiology
1061. Ericsson RJ, Langevin CN, Nishino M: Isolation of fractions rich in human Y sperm. *Nature* 246:421-4, 14 Dec 73
ADOLESCENCE/ ADULT/ CELL MOVEMENT/ *CELL SEPARATION/ FLUORESCENCE/ HUMAN/ MALE/ METHODS/ MICROSCOPY, ELECTRON, SCANNING/ OVALBUMIN/ QUINACRINE/ SERUM ALBUMIN, BOVINE/ *SEX CHROMOSOMES/ *SPERMATOZOA, cytology
1062. Erikssen J: Beta-blokkere enda en gang. *Tidsskr Nor Lægeforen* 93:774-7, 20 Apr 73 (Nor)
ADRENERGIC BETA RECEPTOR BLOCKADERS, adverse effects/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ANGINA PECTORIS, drug therapy/ CARDIOVASCULAR DISEASES, drug therapy/ ENDOCRINE DISEASES, drug therapy/ HUMAN/ HYPERTENSION, drug therapy
1063. Erinoff L, Heller A: Failure of catecholamine development following unilateral diencephalic lesions in the neonatal rat. *Brain Res* 58:489-93, 30 Aug 73
AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN CHEMISTRY/ *CATECHOLAMINES, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ CORPUS STRIATUM, physiology/ *DIENCEPHALON, physiology/ DOPAMINE, metabolism/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, physiology/ NOREPINEPHRINE, metabolism/ RATS/ SEPTUM PELLUCIDUM, metabolism/ *TELENCEPHALON, growth & development/ TELENCEPHALON, metabolism
1064. Erkoçak A: Ultrastructure des cellules adénohypophysaires sécrétant l'ACTH chez le rat. *Z Mikrosk Anat Forsch* 87:229-41, 1973 (Fre)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CELL MEMBRANE/ *CORTICOTROPIN, secretion/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ MALE/ MICROSCOPY, ELECTRON/ PITUITARY-ADRENAL SYSTEM/ *PITUITARY GLAND, cytology/ RATS/ RIBOSOMES/ TIME FACTORS
1065. Ermans AM, Delange F, Van der Velden M, et al: Goltrogenic action of cyanogenic glucosides present in cassava: a possible etiologic factor of endemic goiter in the Idjwi Island (Kivu). *Acta Endocrinol [Suppl] (Kbh)* 31, 1973
ANIMAL EXPERIMENTS/ *CASSAVA/ DEFICIENCY DISEASES, metabolism/ GLYCOSIDES, poisoning/ *GOITER, ENDEMIC, chemically induced/ GOITER, ENDEMIC, occurrence/ HUMAN/ IODINE, metabolism/ RATS/ THIOCYANATES, metabolism/ *THIOCYANATES, poisoning/ ZAIRE
1066. Ermocilla R, Altschuler G: The origin of "X cells" of the human placenta and their possible relationship to intrauterine growth retardation: an enigma. *Am J Obstet Gynecol* 117:1137-40, 15 Dec 73
FEMALE/ *FETAL DISEASES, etiology/ GESTATIONAL AGE/ *GROWTH DISORDERS, etiology/ HUMAN/ INFANT, NEWBORN/ MALE/ MICROSCOPY, FLUORESCENCE/ *PLACENTA, cytology/ PLACENTA DISORDERS, etiology/ PREGNANCY/ PRENATAL DIAGNOSIS/ SEX FACTORS
1067. Ermolenko VM, Nikiforova NV, Migunova NA, et al: Nekotorye osobennosti fosforno-kal'tsievogo obmena i patologiya kostnoi sistemy u bol'nykh s khronicheskoi uremiej. *Ter Arkh* 45:70-8, May 73 (Rus)
ADOLESCENCE/ ADULT/ *CALCIUM, metabolism/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEMODIALYSIS/ HUMAN/ MIDDLE AGE/ *PHOSPHORUS, metabolism/ *RENAL OSTEODYSSTROPHY, metabolism/ RENAL OSTEODYSSTROPHY, pathology/ *UREMIA, metabolism/ UREMIA, pathology
1068. Erskine MS, Levine S: Suppression of pituitary-adrenal

AUTHOR SECTION

- activity and shock-induced fighting in rats.
Physiol Behav 11:787-90, Dec 73
 ADRENAL GLANDS, anatomy & histology/
 *ADRENAL GLANDS, physiology/
 *AGGRESSION/ AGGRESSION, drug effects/
 ANIMAL EXPERIMENTS/ BODY WEIGHT/
 CORTICOSTERONE, blood/ CORTICOTROPIN,
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 HYPOTHALAMUS, drug effects/ MALE/
 ORGAN WEIGHT/ PITUITARY GLAND,
 anatomy & histology/ *PITUITARY GLAND,
 physiology/ RATS/ SOCIAL ISOLATION
1069. Erspamer V, Melchiorri P, Sopranzi N: The action of bombesin on the kidney of the anaesthetized dog.
Br J Pharmacol 48:438-55, Jul 73
 ANESTHESIA, GENERAL/ ANGIOTENSIN,
 blood/ ANIMAL EXPERIMENTS/ BLADDER,
 drug effects/ BLOOD FLOW VELOCITY/
 CATHETERIZATION/ CREATININE,
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 ACID, metabolism/ *KIDNEY, drug effects/
 MALE/ MICROSPHERES/ *PEPTIDES,
 pharmacodynamics/ RENIN, metabolism/
 SODIUM, analysis/ URETER, drug effects
1070. Eskenasy A: Conceptual actual al inflamației.
 Interrelații între procesele inflamatorii și cele imune.
Stud Cercet Med Interna 14:503-18, 1973 (Rum)
 ACUTE DISEASE/ ANIMAL EXPERIMENTS/
 ANTIBODY FORMATION/
 ANTIGEN-ANTIBODY REACTIONS/ CHRONIC
 DISEASE/ ENGLISH ABSTRACT/ HISTAMINE,
 biosynthesis/ HUMAN/ INFLAMMATION,
 complications/ *INFLAMMATION, etiology/
 INFLAMMATION, immunology/ SEROTONIN,
 biosynthesis
1071. Eskildsen PC: Renin in different tissues, amniotic fluid and plasma of pregnant and non-pregnant rabbits.
Acta Pathol Microbiol Scand [A] 81:263-8, May 73
 *ADIPOSE TISSUE, metabolism/ ADRENAL
 GLANDS, metabolism/ AMNIOTIC FLUID,
 cytology/ *AMNIOTIC FLUID, metabolism/
 ANIMAL EXPERIMENTS/ *BLOOD VESSELS,
 metabolism/ CYTOPLASMIC GRANULES/
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 PREGNANCY/ RABBITS/ RENIN,
 biosynthesis/ RENIN, blood/ *RENIN,
 metabolism/ STAINS AND STAINING/
 *UROGENITAL SYSTEM, metabolism
1072. Espiner EA, Donald RA, Hart DS, et al: Evidence for adrenocortical uptake of ACTH in vivo.
Am J Physiol 226:98-104, Jan 74
 *ADRENAL GLANDS, metabolism/ ADRENAL
 GLANDS, transplantation/ ANIMAL
 EXPERIMENTS/ ANTIGENS/
 CORTICOTROPIN, blood/ *CORTICOTROPIN,
 metabolism/ CORTICOTROPIN,
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 HYDROCORTISONE, blood/ PITUITARY
 GLAND, drug effects/ SERUM ALBUMIN,
 RADIO-IODINATED/ SHEEP/ TIME FACTORS/
 TRANSPLANTATION, AUTOLOGOUS
1073. Estafanos FG, Porter JK, el-Tawil MY, et al: Anaesthetic management of anephric patients and patients in renal failure.
Can Anaesth Soc J 20:769-81, Nov 73
 *ANESTHESIA, adverse effects/
 ARRHYTHMIA, etiology/ BLOOD
 TRANSFUSION/ ELECTROCARDIOGRAPHY/
 HALOTHANE/ HEMODIALYSIS/ HUMAN/
 HYPOTENSION, etiology/
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 PARATHYROID GLANDS, surgery/
 POSTOPERATIVE CARE/ POSTOPERATIVE
- COMPLICATIONS/ POTASSIUM, blood/
 TRANSPLANTATION, HOMOLOGOUS
1074. Evans JT, Vincent RG, Takita H: Superior vena caval obstruction with substernal thyroid.
South Med J 67:3 passim, Jan 74
 FEMALE/ *GOITER, NODULAR, complications/
 GOITER, NODULAR, radiography/ HUMAN/
 MEDIASTINAL DISEASES, etiology/
 *MEDIASTINAL DISEASES, radiography/
 MIDDLE AGE/ VASCULAR DISEASES,
 etiology/ VASCULAR DISEASES, radiography/
 *VENA CAVA, SUPERIOR, radiography
1075. Evans LH, Martin JD, Hähnel R: Estrogen receptor concentration in normal and pathological human uterine tissues.
J Clin Endocrinol Metab 38:23-32, Jan 74
 CERVIX NEOPLASMS/ CYTOPLASM,
 metabolism/ ENDOMETRIUM, metabolism/
 *ESTRADIOL, metabolism/ FEMALE/ HUMAN/
 HYPERPLASIA, metabolism/
 MENSTRUATION/ *RECEPTORS, HORMONE/
 TRITUM/ UTERINE NEOPLASMS,
 metabolism/ UTERUS, cytology/ *UTERUS,
 metabolism/ VULVAR NEOPLASMS,
 metabolism
1076. Evdoshchenko EA, Lekareva NIA: Sravnitel'nala otsenka dvukh metodov konservativnogo lecheniia khronicheskogo gaimorita u detei.
Zb Ushn Nos Gori Bolezn 33:89-92, Jul-Aug 73 (Rus)
 ADOLESCENCE/ CHILD/ CHILD,
 PRESCHOOL/ CHRONIC DISEASE/
 CHYMOTRYPSIN, therapeutic use/
 COMPARATIVE STUDY/ DRAINAGE/
 HUMAN/ HYDROCORTISONE, therapeutic use/
 INFANT/ *MAXILLARY SINUS/ MAXILLARY
 SINUS, surgery/ SINUSITIS, drug therapy/
 SINUSITIS, surgery/ *SINUSITIS, therapy
1077. Evered DC, Hall R: Letter: Premyoedema.
Lancet 1:99, 19 Jan 74
 CHOLESTEROL, blood/ DIAGNOSIS,
 DIFFERENTIAL/ HUMAN/ MYXEDEMA,
 blood/ *MYXEDEMA, diagnosis/ MYXEDEMA,
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 THYROID DISEASES, diagnosis/ THYROID
 DISEASES, immunology/ THYROID GLAND
 FUNCTION TESTS
1078. Everitt AV: The hypothalamic-pituitary control of ageing and age-related pathology.
Exp Gerontol 8:265-77, Oct 73 (104 ref.)
 *AGING/ ANDROGENS, physiology/ ANIMAL
 EXPERIMENTS/ ARTERIES, drug effects/
 BONE AND BONES, drug effects/
 CARDIOVASCULAR SYSTEM, drug effects/
 COLLAGEN, metabolism/ DIET/
 ENVIRONMENT/ ESTROGENS, physiology/
 HUMAN/ HYPOPHYSECTOMY/
 *HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
 physiology/ KIDNEY, drug effects/
 LONGEVITY, drug effects/ NEOPLASMS,
 metabolism/ OVULATION/ PITUITARY
 HORMONES, ANTERIOR, physiology/
 RADIATION EFFECTS/ REVIEW/ STRESS,
 complications/ TEMPERATURE/ THYROID
 HORMONES, physiology
1079. Exss R, Marckwort HJ, Minckwitz A von: Subakute sklerosierende Panencephalitis bei einem 7jährigen Jungen.
Monatsschr Kinderheilkd 121:686-8, Nov 73 (Ger)
 ANTIBODIES, VIRAL, analysis/ CHILD/
 CHRONIC DISEASE/ ENDOCRINE DISEASES,
 complications/ ENGLISH ABSTRACT/
 HUMAN/ 17-HYDROXYCORTICOSTEROIDS,
 urine/ MALE/ MEASLES VIRUS, immunology/
 SUBACUTE SCLEROSING PANENCEPHALITIS,
 complications/ *SUBACUTE SCLEROSING
 PANENCEPHALITIS, diagnosis
1080. Eyckmans L, Wouters R, Vandenbroucke J: Unexplained fever: seven year experience.
Acta Clin Belg 28:232-7, Jul 73
 ADOLESCENCE/ ADULT/ AGED/ BACTERIAL
 INFECTIONS, complications/ CHILD/
 CONTRACEPTIVES, ORAL, adverse effects/
 FEMALE/ FEVER, chemically induced/

AUTHOR SECTION

- *FEVER, diagnosis/ FEVER, etiology/ *FEVER OF UNKNOWN ORIGIN, diagnosis/ HUMAN/ LUNG DISEASES, complications/ MALE/ MIDDLE AGE/ NEOPLASMS, complications/ SARCOIDOSIS, complications/ TOXOPLASMOSIS, complications/ TUBERCULOSIS, complications/ URINARY TRACT INFECTIONS, complications
1081. Eyre P, Lewis AJ: Acute systemic anaphylaxis in the horse. *Br J Pharmacol* 48:426-37, Jul 73
ANAPHYLAXIS, chemically induced/
*ANAPHYLAXIS, veterinary/ ANIMAL EXPERIMENTS/ APNEA, chemically induced/ BLOOD PRESSURE, drug effects/ BRADYKININ, pharmacodynamics/ CECUM, pathology/ COLON, pathology/ DYSPNEA, chemically induced/ FEMALE/ HEMODYNAMICS, drug effects/ HISTAMINE, blood/ HISTAMINE, pharmacodynamics/ *HORSE DISEASES, chemically induced/ HORSES/ KIDNEY, pathology/ LIVER, pathology/ MALE/ MAST CELLS, drug effects/ PULMONARY EDEMA, pathology/ SEROTONIN, blood/ SEROTONIN, pharmacodynamics/ SPLEEN, pathology
- F**
1082. Fabian B, Havránek F, Stork A, et al: Vliv dlouhodobého užívání perorálních antikoncepčních látek na jaterní funkce. *Cesk Gastroenterol Vyz* 27:552-4, Dec 73 (Cze)
ADULT/ *CONTRACEPTIVES, ORAL, administration & dosage/ FEMALE/ HUMAN/ *LIVER, drug effects/ MESTRANOL, administration & dosage/ PROGESTERONE, administration & dosage/ TIME FACTORS
1083. Faglia G, Beck-Peccoz P, Ferrari C, et al: Enhanced plasma thyrotrophin response to thyrotrophin-releasing hormone following oestradiol administration in man. *Clin Endocrinol (Oxf)* 2:207-10, Jul 73
ADULT/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ *PITUITARY GLAND, secretion/ RADIOIMMUNOASSAY/ SEX FACTORS/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood/ THYROXINE, secretion/ TRIIODOTHYRONINE, metabolism
1084. Faglia G, Ferrari C, Beck-Peccoz P, et al: Evaluation of plasma thyrotrophin response to thyrotrophin releasing hormone in Graves' disease and in hyperactive thyroid adenoma before and after treatment. *Folia Endocrinol (Roma)* 26:245-56, Aug 73
*ADENOMA, blood/ ADMINISTRATION, ORAL/ BRAIN NEOPLASMS, blood/ *GOITER, EXOPHTHALMIC, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPOTHALAMUS/ INJECTIONS, INTRAVENOUS/ PITUITARY NEOPLASMS, blood/ *THYROID NEOPLASMS, blood/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics
1085. Fagraeus A, The H, Biberfeld G: Reaction of human smooth muscle antibody with thymus medullary cells. *Nature [New Biol]* 246:113-5, 28 Nov 73
ANIMAL EXPERIMENTS/ *ANTIBODIES/ ANTIGENIC DETERMINANTS/ CORTISONE, pharmacodynamics/ *CROSS REACTIONS, drug effects/ CYTOMEGALIC INCLUSION DISEASE, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HEPATITIS, immunology/ HUMAN/ INFECTIOUS MONONUCLEOSIS, immunology/ LYMPH NODES, immunology/ MICE/ MICE, INBRED A/ MICE, INBRED BALB C/ *MUSCLE, SMOOTH, immunology/ RATS/ SPLEEN, immunology/ *THYMUS GLAND, immunology
1086. Falman C, Winter JS, Grotts D: Gonadotropins in the infant chimpanzee: a sex difference. *Proc Soc Exp Biol Med* 144:952-5, Dec 73
ANIMAL EXPERIMENTS/ CHIMPANZEES/ FEMALE/ *FSH, blood/ *LH, blood/ MALE/ PERIODICITY/ SEX FACTORS
1087. Falman MD, Mehl RG: Effect of high oxygen pressure on brain norepinephrine and serotonin turnover. *Eur J Pharmacol* 24:123-30, Nov 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, metabolism/ *HYPERBARIC OXYGENATION/ KINETICS/ MALE/ MANDELIC ACID, analysis/ METHYLTYROSINES, pharmacodynamics/ MICE/ MICE, INBRED ICR/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, analysis/ PROBENECID, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ STATISTICS/ TIME FACTORS/ TRITIUM/ VANILMANDELIC ACID, analysis
1088. Fairclough PD, Cryer RJ, McAllister J, et al: Serum TSH responses to intravenously and orally administered TRH in man after thyroidectomy for carcinoma of the thyroid. *Clin Endocrinol (Oxf)* 2:351-9, Oct 73
ADENOCARCINOMA, surgery/ ADENOCARCINOMA, PAPILLARY, surgery/ ADMINISTRATION, ORAL/ ADULT/ AGED/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PITUITARY GLAND, drug effects/ THYROID NEOPLASMS, surgery/ *THYROIDECTOMY/ *THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROXINE, therapeutic use/ TIME FACTORS/ TRIIODOTHYRONINE, therapeutic use
1089. Fairhurst AS: Effect of ryanodine on skeletal muscle reticulum calcium adenosine triphosphatase (CaATPase). *Biochem Pharmacol* 22:2815-27, 15 Nov 73
ADENOSINE DIPHOSPHATE, metabolism/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ AGING/ ALCOHOL, ETHYL, pharmacodynamics/ *ALKALOIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ AZIDES, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM/ CALCIUM, metabolism/ IN VITRO/ MAGNESIUM/ *MUSCLES, cytology/ OLIGOMYCIN, pharmacodynamics/ OSMOLAR CONCENTRATION/ OUABAIN, pharmacodynamics/ OXALATES, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ *SARCOPLASMIC RETICULUM, enzymology/ SODIUM, pharmacodynamics/ STIMULATION, CHEMICAL/ TEMPERATURE/ TIME FACTORS
1090. Faichuk KR: Inappropriate antidiuretic hormone-like syndrome associated with an adrenocortical carcinoma. *Am J Med Sci* 266:393-5, Nov 73
*ADRENAL GLAND NEOPLASMS/ *CARCINOMA/ FEMALE/ HUMAN/ HYPONATREMIA, metabolism/ HYPONATREMIA, therapy/ MIDDLE AGE/ NEOPLASM METASTASIS/ OSMOLAR CONCENTRATION/ SODIUM, blood/ SODIUM, urine/ SYNDROME/ *VASOPRESSIN, secretion
1091. Falconer MA: Reversibility by temporal-lobe resection of the behavioral abnormalities of temporal-lobe epilepsy. *N Engl J Med* 289:451-5, 30 Aug 73
ADOLESCENCE/ ADULT/ AGGRESSION/ AMYGDALOID BODY, pathology/ BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, pathology/ CEREBRAL SCLEROSIS, DIFFUSE, pathology/ EPILEPSY, TEMPORAL LOBE, complications/ EPILEPSY, TEMPORAL LOBE, pathology/ *EPILEPSY, TEMPORAL LOBE, surgery/ FEMALE/ FOLLOW-UP STUDIES/ HAMARTOMA, complications/ HAMARTOMA, pathology/ HIPPOCAMPUS, pathology/ HUMAN/ INFARCTION, pathology/ MALE/ MIDDLE AGE/ SCHIZOPHRENIA, etiology/ SOCIAL ADJUSTMENT/ TEMPORAL LOBE, pathology/ *TEMPORAL LOBE, surgery

AUTHOR SECTION

1092. Falconer MA, Davidson S: Coarse features in epilepsy as a consequence of anticonvulsant therapy. Report of cases in two pairs of identical twins. *Lancet* 2:1112-4, 17 Nov 73
ACROMEGALY, chemically induced/ ADULT/
*ANTICONVULSANTS, adverse effects/
ANTICONVULSANTS, therapeutic use/
CARBAMAZEPINE, adverse effects/ CHILD/
DIAZEPAM, adverse effects/
DIPHENYLHYDANTOIN, adverse effects/
*DISEASES IN TWINS/ EPILEPSY,
complications/ EPILEPSY, familial & genetic/
EPILEPSY, GRAND MAL, complications/
EPILEPSY, GRAND MAL, drug therapy/
EPILEPSY, GRAND MAL, surgery/
ETHOSUXIMIDE, adverse effects/ ETHOTOIN/
*FACE/ FEMALE/ HALOPERIDOL, adverse
effects/ HUMAN/ MALE/ PHENOBARBITAL,
adverse effects/ PRIMIDONE, adverse effects/
SULTHIAMINE
1093. Falk R, Orevi N, Menzi B: A fate map of larval organs of *Drosophila* and preblastoderm determination. *Nature [New Biol]* 248:19-20, 7 Nov 73
ANIMAL EXPERIMENTS/ CELL
DIFFERENTIATION/ CELL MOVEMENT/
CELL NUCLEUS/ *CHROMOSOME MAPPING/
CROSSES, GENETIC/ *DROSOPHILA
MELANOGASTER, anatomy & histology/
GENES/ GENOTYPE/ *GERM LAYERS,
anatomy & histology/ GERM LAYERS,
cytology/ LARVA, anatomy & histology/
MITOSIS/ *MORPHOGENESIS/ MOSAICISM/
PHENOTYPE/ SEX CHROMOSOMES
1094. Fang VS, Refetoff S: Effects of 7,
12-dimethylbenz(a)anthracene and estrogen on the
transplantation and growth of a rat pituitary tumor. *Cancer Res* 34:225-9, Jan 74
ANIMAL EXPERIMENTS/
*BENZANTHRACENES, pharmacodynamics/
DRUG SYNERGISM/ *ESTRADIOL,
pharmacodynamics/ FEMALE/ NEOPLASM
TRANSPLANTATION/ NEOPLASMS,
EXPERIMENTAL/ PITUITARY GLAND,
secretion/ *PITUITARY NEOPLASMS/
PITUITARY NEOPLASMS, physiopathology/
RATS/ SOMATOTROPIN, secretion/
STIMULATION, CHEMICAL/
TRANSPLANTATION, HOMOLOGOUS
1095. Fauci AS, Dale DC: The effect of in vivo hydrocortisone
on subpopulations of human lymphocytes. *J Clin Invest* 53:240-6, Jan 74
ADULT/ BLOOD CELL COUNT/
CONCANAVALLIN A, antagonists & inhibitors/
CONCANAVALLIN A, pharmacodynamics/
FEMALE/ HUMAN/ HYDROCORTISONE,
administration & dosage/ *HYDROCORTISONE,
pharmacodynamics/ IMMUNE ADHERENCE
REACTION/ *LYMPHOCYTES, drug effects/
MALE/ MITOGENS, antagonists & inhibitors/
MITOGENS, pharmacodynamics/ MONOCYTES,
drug effects/ PLANT AGGLUTININS,
antagonists & inhibitors/ PLANT
AGGLUTININS, pharmacodynamics/
STREPTODORNASE AND STREPTOKINASE,
pharmacodynamics/ TETANUS TOXOID,
antagonists & inhibitors/ TETANUS TOXOID,
pharmacodynamics/ TIME FACTORS
1096. Fawcett DW, Neaves WB, Flores MN: Comparative
observations on intertubular lymphatics and the
organization of the interstitial tissue of the
mammalian testis. *Biol Reprod* 9:500-32, Dec 73
ANATOMY, COMPARATIVE/ ANIMAL
EXPERIMENTS/ CATTLE/ COMPARATIVE
STUDY/ CONNECTIVE TISSUE, anatomy &
histology/ ELEPHANTS/ GUINEA PIGS/
HUMAN/ LEYDIG CELLS, cytology/
*LYMPHATIC SYSTEM, anatomy & histology/
MACACA/ MALE/ MICE/ MICROSCOPY,
ELECTRON/ MONKEYS/ OPOSSUMS/ RATS/
SWINE/ *TESTIS, anatomy & histology/
TESTIS, cytology
1097. Fayemi AO, Wisniewski M: Pulmonary calcification in a
patient with multiple myeloma. *Chest* 64:765-9, Dec 73
AUTOPSY/ CALCINOSIS, chemically induced/
*CALCINOSIS, complications/ CALCINOSIS,
pathology/ FEMALE/ HUMAN/
*HYPERCALCEMIA, complications/
HYPERCALCEMIA, drug therapy/ LUNG
DISEASES, chemically induced/ *LUNG
DISEASES, complications/ LUNG DISEASES,
pathology/ MIDDLE AGE/ *MULTIPLE
MYELOMA, complications/ PHOSPHATES,
adverse effects/ PHOSPHATES, therapeutic
use/ PULMONARY ALVEOLI, pathology/
SODIUM, therapeutic use/ SULFATES, adverse
effects/ SULFATES, therapeutic use
1098. Fays J, André JM, Duc M, et al: La circulation artérielle
surrénalienne, hôte d'hémodétournement
réno-splanchnique. *Ann Radiol (Paris)* 16:597-600, Sep-Oct 73 (Fre)
*ADRENAL GLANDS, blood supply/
ANGIOGRAPHY/ AORTOGRAPHY/
ARTERIES/ *CELIAC ARTERY/ HUMAN/
*HYPERTENSION, radiography/ MALE/
MIDDLE AGE/ *RENAL ARTERY
1099. Fazekas IG, Dekov A: Die Corticosteroidfraktionen des
intakten Herzmuskels und des myokardialen Infarkts. *Endokrinologie* 61:342-54, Jun 73 (Ger)
ADOLESCENCE/ *ADRENAL CORTEX
HORMONES, analysis/ ADULT/ AGED/
DEATH, SUDDEN/ ENGLISH ABSTRACT/
FEMALE/ GLUCOCORTICOIDS, therapeutic
use/ HUMAN/ MALE/ MIDDLE AGE/
MYOCARDIAL INFARCT, drug therapy/
*MYOCARDIAL INFARCT, metabolism/
*MYOCARDIUM, analysis
1100. Fazekas IG, Szendrői J: Corticosteroidfraktionen in
der menschlichen Knochenhaut mit besonderer
Rücksicht des Lebensalters und saisonaler
Veränderungen. *Endokrinologie* 61:276-92, May 73 (Ger)
ADOLESCENCE/ *ADRENAL CORTEX
HORMONES, analysis/ ADULT/ AGE
FACTORS/ AGED/ *BIOLOGICAL CLOCKS/
CHILD/ CHROMATOGRAPHY, PAPER/
FEMALE/ FEMUR/ HUMAN/ MALE/ MIDDLE
AGE/ *PERIOSTEUM, analysis/ SEASONS/
SEX FACTORS/ SPECTROPHOTOMETRY/
TIBIA
1101. Feder HH, Naftolin F, Ryan KJ: Male and female sexual
responses in male rats given estradiol benzoate and 5
alpha-androstan-17 beta-ol-3-one propionate. *Endocrinology* 91:136-41, Jan 74
ANIMAL EXPERIMENTS/ CASTRATION/
DOSE-RESPONSE RELATIONSHIP, DRUG/
EPIDIDYMI, physiology/ ESTRADIOL,
administration & dosage/ *ESTRADIOL,
pharmacodynamics/ FEMALE/ MALE/
POSTURE/ RATS/ *SEX BEHAVIOR,
ANIMAL, drug effects/ *STANOLONE,
pharmacodynamics/ TESTIS, physiology/
TESTOSTERONE, pharmacodynamics
1102. Fedorov IuG, Grigor'ev Miu: Diagnosticheskoe
znachenie opredelenia titra khorionicheskogo
gonadotropina i antigormonal'nykh antitel. *Vopr Okhr Materin Det* 18:74-8, Jul 73 (Rus)
ABORTION, THREATENED, diagnosis/
ADNEXITIS, diagnosis/ *ANTIBODIES,
analysis/ ENGLISH ABSTRACT/ FEMALE/
GONADOTROPINS, CHORIONIC, blood/
*GONADOTROPINS, CHORIONIC, urine/
HUMAN/ PREGNANCY/ PREGNANCY,
TUBAL, diagnosis/ TIME FACTORS
1103. Fedorovskaja RF, Dobrotina NA, Nefedieva GN, et al:
Osohennosti kliniki, techeniya i reaktivnosti
organizma detei hol'nykh ekzemoi, neirolidermitom i
psoriazem. *Sov Med* 36:123-6, Mar 73 (Rus)
ADRENAL GLANDS, physiopathology/
CERULOPLASMIN, metabolism/ CHILD/
*ECZEMA, metabolism/ ECZEMA,
physiopathology/ ENGLISH ABSTRACT/
HUMAN/ LIPOPROTEINS, metabolism/
*NEURODERMATITIS, metabolism/
NEURODERMATITIS, physiopathology/
*PROTEINS, metabolism/ *PSORIASIS,
metabolism/ PSORIASIS, physiopathology
1104. Fedotov VP, Miroshnichenko LS, Kolomin LV, et al:

AUTHOR SECTION

- Nekotorye rezultaty issledovanila biologicheskogo defstvila sinteticheskogo tireotropin-rlizing-faktora. Probl Endokrinol (Mosk) 19:54-9, Nov-Dec 73 (Rus)
- ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ FEMALE/ MICE/ MICE, INBRED
BALB C/ ORGAN WEIGHT/ *OVARY, drug effects/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS/ *UTERUS, drug effects
1105. Fehm HL, Volgt KH, Pfeiffer EF: Nebennierenrindeninsuffizienz als Folge eines isolierten Mangels an Corticotropin-Releasing-Hormon (CRH). Dtsch Med Wochenschr 98:2066-8, 2 Nov 73 (Ger)
ADRENAL GLAND HYPOFUNCTION, diagnosis/ *ADRENAL GLAND HYPOFUNCTION, etiology/ ADULT/ CORTICOTROPIN, blood/ CORTICOTROPIN, diagnostic use/ CORTICOTROPIN, secretion/ *CORTICOTROPIN RELEASING HORMONE, secretion/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, blood/ 17-HYDROXYCORTICOSTEROIDS, urine/ HYPOTHALAMO-HYPOPHYSAL SYSTEM/ 17-KETOSTEROIDS, urine/ LH, blood/ MALE/ MENINGOENCEPHALITIS, complications/ PITUITARY GLAND, secretion/ PITUITARY GLAND FUNCTION TESTS/ RECURRENCE/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ TUBERCULOSIS, MENINGEAL, complications
1106. Feldberg W, Gupta KP, Milton AS, et al: Effect of pyrogen and antipyretics on prostaglandin activity in cisternal c.s.f. of unanaesthetized cats. J Physiol (Lond) 234:279-303, Oct 73
*ACETAMINOPHEN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ASPIRIN, pharmacodynamics/ BODY TEMPERATURE, drug effects/ CATS/ CEREBRAL VENTRICLES/ CHROMATOGRAPHY, THIN LAYER/ CISTERNA MAGNA/ FEVER, drug therapy/ *INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRATHECAL/ INJECTIONS, INTRAVENOUS/ *PROSTAGLANDINS, cerebrospinal fluid/ PYROGENS, administration & dosage/ *PYROGENS, pharmacodynamics/ SHIGELLA DYSENTERIAE
1107. Feldmann RJ, Malbach HI: Percutaneous penetration of hydrocortisone with urea. Arch Dermatol 109:58-9, Jan 74
ADULT/ CARBON RADIOISOTOPES/ CLINICAL RESEARCH/ HUMAN/ *HYDROCORTISONE, TOPICAL, metabolism/ MALE/ *SKIN ABSORPTION, drug effects/ *UREA, pharmacodynamics/ VEHICLES
1108. Felt V: Effect of thyroid hormones and dietary fat on the interrelation of lipid and carbohydrate metabolism in rats. Endocrinol Exp (Bratisl) 7:283-91, 1973
ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ BUTTER/ *CARBOHYDRATES, metabolism/ CHOLESTEROL, metabolism/ *DIETARY FATS, administration & dosage/ *FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ RATS/ *THYROID HORMONES, pharmacodynamics
1109. Felt V: Effect of aminoglutethimide on adrenal cholesterol in patients with Cushing's syndrome. Endocrinol Exp (Bratisl) 7:293-6, 1973
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ AMINOGLUTETHIMIDE, administration & dosage/ *CHOLESTEROL, metabolism/ *CUSHING'S SYNDROME, metabolism/ HUMAN/ HYDROLYSIS/ TRITIUM
1110. Feng PH, Cheah PS, Lee YK: Mortality in systemic lupus erythematosus: a 10-year review. Br Med J 4:772-4, 29 Dec 73
ADOLESCENCE/ ADULT/ AGED/ BRONCHOPNEUMONIA, complications/ CEREBROSPINAL FLUID PROTEINS, analysis/ CHILD/ CHLORIDES, cerebrospinal fluid/ COMA, complications/ CONVULSIONS, complications/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, adverse effects/ GLOBULINS, cerebrospinal fluid/ GLUCOSE, cerebrospinal fluid/ HEMATURIA/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, mortality/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ PROTEINURIA/ SUBARACHNOID HEMORRHAGE, complications/ TUBERCULOSIS, MILIARY, complications/ UREA, blood
1111. Fennelly JJ, Smyth H, Muldowney FP: Letter: Extreme hyperkalaemia due to rapid lysis of leukaemic cells. Lancet 1:27, 5 Jan 74
ADOLESCENCE/ ALLOPURINOL, adverse effects/ DRUG THERAPY, COMBINATION/ HUMAN/ *HYPERKALEMIA, chemically induced/ HYPERKALEMIA, etiology/ LEUKEMIA, LYMPHOBLASTIC, blood/ LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, metabolism/ LEUKOCYTE COUNT/ MALE/ POTASSIUM, blood/ PREDNISONE, adverse effects/ VINCRISTINE, adverse effects
1112. Fenselau C, Talalay P: Is oestrogenic activity present in hops? Food Cosmet Toxicol 11:597-603, Aug 73
ANIMAL EXPERIMENTS/ *BEER, analysis/ BIOLOGICAL ASSAY/ *ESTROGENS, analysis/ EUROPE/ FEMALE/ MICE/ ORGAN WEIGHT/ *PLANTS, analysis/ UNITED STATES/ UTERUS, drug effects
1113. Ferrari A, Meyrelles JC, Sartoretto JN, et al: The menstrual cycle in women treated with d-norgestrel 37.5 micrograms in continuous administration. Int J Fertil 18:133-40, 1973
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, administration & dosage/ FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ *NORGESTREL, administration & dosage/ PREGNANCY/ TIME FACTORS
1114. Ferrari E, Bossolo PA, Braschi A, et al: Crono-regolazione e funzionalita' Ipotalamo-ipofiso-surrenalica nella anoressia nervosa. Folia Endocrinol (Roma) 28:422-34, Oct 73 (Ita)
ADOLESCENCE/ ADULT/ AMENORRHEA, complications/ ANOREXIA NERVOSA, complications/ *ANOREXIA NERVOSA, physiopathology/ BODY WEIGHT/ *CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiopathology/ 17-KETOSTEROIDS, urine/ METYRAPONE, pharmacodynamics/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY-ADRENAL SYSTEM
1115. Ferrari E, Bossolo PA, Braschi A, et al: Aspetti circadiani del sistema ACTH-secrenente nell'ipertensione arteriosa essenziale. Folia Endocrinol (Roma) 28:412-21, Oct 73 (Ita)
*ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ *CIRCADIAN RHYTHM/ *CORTICOTROPIN, secretion/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ *HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology
1116. Ferrelra SH, Herman A, Vane JR: Proceedings: Prostaglandin generation maintains the smooth muscle tone of the rabbit isolated jejunum. Br J Pharmacol 44:328P-329P, Feb 72
ANIMAL EXPERIMENTS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ JEJUNUM, metabolism/ *JEJUNUM, physiology/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, metabolism/ *MUSCLE, SMOOTH, physiology/ *MUSCLE TONUS/ PROSTAGLANDINS, antagonists &

AUTHOR SECTION

- inhibitors/ *PROSTAGLANDINS, biosynthesis/
RABBITS/ TIME FACTORS
1117. Ferrendelli JA, Johnson EM Jr, Chang M, et al: Inhibition of brain adenylate cyclase by ethacrynic acid and dithiolisnitrobenzoic acid. *Biochem Pharmacol* 22:3133-6, 1 Dec 73
*ADENYL CYCLASE, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ *BENZOATES,
pharmacodynamics/ *BRAIN, enzymology/
CEREBRAL CORTEX, enzymology/ CYSTEINE,
pharmacodynamics/ DISULFIDES,
pharmacodynamics/ DITHIOTHREITOL,
pharmacodynamics/ *ETHACRYNIC ACID,
pharmacodynamics/ FEMALE/ MICE/ NITRO
COMPOUNDS, pharmacodynamics
 1118. Ferrier BM, Johns T, Say A, et al: Thiol-protein disulfide oxidoreductase activity in lactating and non-lactating mouse mammary gland. *Can J Biochem* 51:1555-8, Nov 73
ANIMAL EXPERIMENTS/ FEMALE/
*GLUTATHIONE REDUCTASE, metabolism/
INSULIN/ LACTATION/ *MAMMAE,
enzymology/ MICE/ NADP, metabolism/
OXYTOCIN/ PREGNANCY/ PROTEINS,
analysis/ TIME FACTORS
 1119. Ferrier PE, Ferrier SA, Pescia G: The XXXY Klinefelter syndrome in childhood. *Am J Dis Child* 127:104-5, Jan 74
ABNORMALITIES, MULTIPLE/
ADOLESCENCE/ ANEUPLOIDY/ BODY
HEIGHT/ CHILD/ DERMATOGLYPHICS/
HAND, radiography/ HUMAN/
*KLINEFELTER'S SYNDROME, diagnosis/
MALE/ MENTAL RETARDATION/ SEX
CHROMOSOME ABNORMALITIES
 1120. Flalkow PJ: Primordial cell pool size and lineage relationships of five human cell types. *Ann Hum Genet* 37:39-48, Jul 73
CELL DIFFERENTIATION/ CELL LINE/
*CELLS/ CLONE CELLS/ ECTODERM/
EMBRYO, cytology/ ERYTHROCYTES,
cytology/ ERYTHROCYTES, enzymology/
FEMALE/ *GLUCOSEPHOSPHATE
DEHYDROGENASE, analysis/
HETEROZYGOTE/ HUMAN/ LEUKOCYTES,
cytology/ LEUKOCYTES, enzymology/ LYMPH
NODES, enzymology/ LYMPHOCYTES,
cytology/ LYMPHOCYTES, enzymology/
MESODERM/ MUSCLES, cytology/ MUSCLES,
embryology/ MUSCLES, enzymology/
NEOPLASMS, enzymology/ SEX
CHROMOSOMES/ SKIN, cytology/ SKIN,
embryology/ SKIN, enzymology
 1121. Fibiger HC, Phillips AG, Clouston RA: Regulatory deficits after unilateral electrolytic or 6-OHDA lesions of the substantia nigra. *Am J Physiol* 225:1282-7, Dec 73
AMPHETAMINE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *APPETITE REGULATION/
*DRINKING/ *EATING/ HYDROXYDOPAMINE,
pharmacodynamics/ *HYPOTHALAMUS,
physiology/ MALE/ RATS/ *THIRST/ WATER
DEPRIVATION
 1122. Field JH, Krag DO: Congenital constricting bands and congenital amputation of the fingers: placental studies. *J Bone Joint Surg [Am]* 55:1035-41, Jul 73
AMNION/ AMNION, pathology/
*AMPUTATION, TRAUMATIC, congenital/
AMPUTATION, TRAUMATIC, etiology/
FEMALE/ FETAL MEMBRANES, pathology/
*FINGERS, abnormalities/ HUMAN/ INFANT,
NEWBORN/ MACROPHAGES/ MALE/
*PLACENTA, pathology/ PLACENTA
DISORDERS, pathology/ PREGNANCY/
PREGNANCY COMPLICATIONS/ RUPTURE,
SPONTANEOUS
 1123. Fiennes RN, Sinclair AJ, Crawford MA: Essential fatty acid studies in primates linolenic acid requirements of capuchins. *J Med Primatol* 2:155-69, 1973
ADRENAL GLANDS, pathology/ ALOPECIA,
veterinary/ ANIMAL EXPERIMENTS/
CEPHALINS, analysis/ CORN/ DEFICIENCY
DISEASES, etiology/ DEFICIENCY DISEASES,
veterinary/ DIET/ ERYTHROCYTES, analysis/
FATTY ACIDS, ESSENTIAL, analysis/
*FATTY ACIDS, ESSENTIAL, metabolism/
FATTY LIVER, veterinary/ LECITHINS,
analysis/ LINOLEIC ACID, analysis/
*LINOLENIC ACID, metabolism/ LINSEED,
administration & dosage/ LIPIDS, analysis/
LIVER, analysis/ LIVER, pathology/ MONKEY
DISEASES, etiology/ *MONKEYS, metabolism/
NUTRITIONAL REQUIREMENTS/ OILS,
administration & dosage/ SKIN DISEASES,
veterinary/ TRIGLYCERIDES, analysis
 1124. Fierro-Benitez R: Significance of endemic goiter in the evolution of the Andean rural communities. *Acta Endocrinol [Suppl]* (Kbh) 61-3, 1973
CRETINISM, history/ CULTURAL
DEPRIVATION/ DEFICIENCY DISEASES,
history/ *GOITER, ENDEMIC, history/
HISTORICAL ARTICLE/ HISTORY OF
MEDICINE, 15TH CENT./ HISTORY OF
MEDICINE, 18TH CENT./ HISTORY OF
MEDICINE, 17TH CENT./ HISTORY OF
MEDICINE, 18TH CENT./ HISTORY OF
MEDICINE, 19TH CENT./ HISTORY OF
MEDICINE, 20TH CENT./ HISTORY OF
MEDICINE, MEDIEVAL/ HUMAN/ *INDIANS,
SOUTH AMERICAN, history/ IODINE/ RURAL
POPULATION/ SOCIOECONOMIC FACTORS/
SOUTH AMERICA
 1125. Fierro-Benitez R: Thyroid cancer, Quervain's thyroiditis and Hashimoto's disease in an endemic goiter Andean area. *Acta Endocrinol [Suppl]* (Kbh) 86-7, 1973
*ADENOCARCINOMA, occurrence/
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ *CARCINOMA, occurrence/
*CARCINOMA, PAPILLARY, occurrence/
CHILD/ ECUADOR/ FEMALE/ HUMAN/
MALE/ MIDDLE AGE/ SEX FACTORS/
*THYROID NEOPLASMS, occurrence/
THYROIDECTOMY/ *THYROIDITIS,
occurrence/ *THYROIDITIS, LYMPHOMATOUS,
occurrence
 1126. Fietzek PP, Kühn K: The valent structure of collagen: amino acid sequence of the N-terminal region of alpha 2-CB5 from rat skin collagen. *FEBS Lett* 38:289-91, 1 Nov 73
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ ANIMAL EXPERIMENTS/ CATTLE/
*COLLAGEN, analysis/ PEPTIDES, analysis/
RATS/ *SKIN, analysis/ SPECIES
SPECIFICITY/ THIOCYANATES
 1127. Figueroa JE, Batson HM, Barona J, et al: Plasma renin activity: method of measurement and significance in the diagnosis of hypertension. *J La State Med Soc* 125:309-14, Sep 73
ADULT/ ANGIOTENSIN, blood/ HUMAN/
HYPERTENSION, RENAL, blood/
*HYPERTENSION, RENAL, diagnosis/ MALE/
METHODS/ MIDDLE AGE/
RADIOIMMUNOASSAY/ *RENIN, blood
 1128. Figueroa RB: Mesterolone in steatosis and cirrhosis of the liver. *Acta Hepatogastroenterol (Stuttg)* 20:282-90, Jul-Aug 73
ALCOHOLISM, complications/ ALCOHOLISM,
physiopathology/ *ANDROGENS, therapeutic
use/ DRUG EVALUATION/ *FATTY LIVER,
drug therapy/ FATTY LIVER, etiology/
FATTY LIVER, physiopathology/ FEMALE/
HUMAN/ *LIVER CIRRHOSIS, drug therapy/
LIVER CIRRHOSIS, etiology/ LIVER
CIRRHOSIS, physiopathology/ LIVER
FUNCTION TESTS/ MALE/ METHANE,
therapeutic use/ *STANOLONE, therapeutic
use
 1129. Fikri E, Hanrahan JB, Seft LA: Renovascular hypertension in a child: Ask-Upmark kidney. *J Urol* 110:728-31, Dec 73
ABNORMALITIES, pathology/
ABNORMALITIES, surgery/ CASE REPORT/
CHILD/ FEMALE/ HUMAN/ HYPERTENSION,
RENAL, enzymology/ *HYPERTENSION,
RENAL, etiology/ HYPERTENSION, RENAL,

AUTHOR SECTION

pathology/ HYPERTENSION, RENAL, radiography/ HYPERTENSION, RENAL, surgery/ *KIDNEY, abnormalities/ NEPHRECTOMY/ RENIN, blood/ UROGRAPHY

1130. Finch L, Cohen M, Horst WD: Effects of 6-hydroxydopamine at birth on the development of hypertension in the rat. *Life Sci* 13:1403-10, 16 Nov 73
AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BLOOD PRESSURE/ BRAIN, drug effects/ BRAIN, metabolism/ CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ DESOXYCORTICOSTERONE/ HEART, drug effects/ HYDROXYDOPAMINE/ *HYDROXYDOPAMINE, pharmacodynamics/ HYPERTENSION, chemically induced/ HYPERTENSION, familial & genetic/ *HYPERTENSION, metabolism/ KIDNEY, physiology/ MYOCARDIUM, metabolism/ NEPHRECTOMY/ NOREPINEPHRINE, metabolism/ RATS/ SODIUM CHLORIDE/ SPECTROMETRY, FLUORESCENCE/ SPINAL CORD, drug effects/ SPINAL CORD, metabolism/ SPLEEN, drug effects/ SPLEEN, metabolism
1131. Finch L, Haeusler G, Thoenen H: Proceedings: Failure to induce experimental hypertension in rats after intraventricular injection of 6-hydroxydopamine. *Br J Pharmacol* 44:356P-357P, Feb 72
ANIMAL EXPERIMENTS/ *BLOOD PRESSURE, drug effects/ CEREBRAL VENTRICLES/ DESOXYCORTICOSTERONE, pharmacodynamics/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ HYDROXYDOPAMINE, therapeutic use/ HYPERTENSION, RENAL, drug therapy/ HYPOTHALAMUS, metabolism/ INJECTIONS/ MEDULLA OBLONGATA, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ STIMULATION, CHEMICAL/ TYROSINE HYDROXYLASE, metabolism
1132. Finch SC, Castro O, Cooper M, et al: Immunosuppressive therapy of chronic idiopathic thrombocytopenic purpura. *Am J Med* 56:4-12, Jan 74
ADOLESCENCE/ ADULT/ AGED/ *AZATHIOPRINE, therapeutic use/ BLOOD CELL COUNT/ BLOOD PLATELETS/ CHRONIC DISEASE/ COMPARATIVE STUDY/ *CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ IMMUNOSUPPRESSION/ MALE/ *MERCAPTOPYRINE, therapeutic use/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ *PURPURA, THROMBOCYTOPENIC, drug therapy/ SEX FACTORS/ SPLENECTOMY/ *THIOGUANINE, therapeutic use
1133. Finch T, Jacobs JK: Indications for parathyroidectomy in patients with chronic renal failure. *Am Surg* 40:40-4, Jan 74
ADOLESCENCE/ ADULT/ CALCIUM METABOLISM DISORDERS, etiology/ FEMALE/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, SECONDARY, etiology/ *HYPERPARATHYROIDISM, SECONDARY, surgery/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ METHODS/ MIDDLE AGE/ *PARATHYROID GLANDS, surgery/ RENAL OSTEODYSTROPHY, etiology/ *RENAL OSTEODYSTROPHY, therapy/ TIME FACTORS
1134. Findt F: Hormonales Gleichgewicht erleichtert das Alterwerden. *Krankenpflege* 27:382, Sep 73 (Ger)
AGING/ HORMONES, metabolism/ MENOPAUSE/ SPECIAL LIST NURSING/ WOMEN
1135. Fink Z, Vaněček J: Nežádoucí účinky steroidních hormonů v antikoncepci. *Cesk Gynkol* 38:612-5, Sep 73 (Cze)
BODY WEIGHT/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ NAUSEA, chemically induced/ PREGNANCY/ THROMBOEMBOLISM, chemically induced/ VOMITING, chemically induced/ WATER-ELECTROLYTE BALANCE, drug effects
1136. Finkiewicz-Murawiejska L, Sawicki B: Badania morfologiczne i cytochemiczne nad zachowaniem się aparatu Golgiego w komórkach pęcherzykowych tarczycy świnek morskich pod wpływem krajowego preparatu ST. *Endokrynol Pol* 24:279-89, Jul-Aug 73 (Pol)
AGE FACTORS/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *GOLGI APPARATUS, drug effects/ GUINEA PIGS/ MALE/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, pharmacodynamics/ *THYROID GLAND, cytology/ THYROID GLAND, drug effects
1137. Finklestein JZ, Saarinen P, Karon M: Effect of pseudourea (NSC-56054) on DNA, RNA, and protein synthesis in cultured cells. *Cancer Chemother Rep* 57:399-403, Nov-Dec 73
ANIMAL EXPERIMENTS/ ANTHRACENES, pharmacodynamics/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ CARBON RADIOISOTOPES/ CELL COUNT/ CELL DIVISION, drug effects/ CELL SURVIVAL, drug effects/ CELLS, CULTURED/ DEPRESSION, CHEMICAL/ *DNA, hiosynthesis/ FIBROBLASTS, metabolism/ HAMSTERS/ LEUCINE, metabolism/ *PROTEINS, hiosynthesis/ *RNA, hiosynthesis/ *THIOUREA, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism
1138. Finlayson MH, Martin JB: Cerebral lesions in familial amyotrophic lateral sclerosis and dementia. *Acta Neuropathol (Berl)* 26:237-46, 5 Nov 73
AMYGDALOID BODY, pathology/ *AMYOTROPHIC LATERAL SCLEROSIS, familial & genetic/ AMYOTROPHIC LATERAL SCLEROSIS, pathology/ BRAIN, pathology/ CEREBRAL CORTEX, pathology/ *DEMENTIA, PRESENILE, complications/ FRONTAL LOBE, pathology/ HUMAN/ MALE/ MIDDLE AGE/ PEDIGREE/ TEMPORAL LOBE, pathology
1139. Firek A, Pisarek-Miedzińska D, Wójcicka J, et al: Gospodarka białkowa u kobiet przyjmujących preparat Femigen-Polfa w celach antykoncepcyjnych. *Ginekol Pol* 44:1303-8, Nov 73 (Pol)
ADULT/ BLOOD PROTEINS, analysis/ *BLOOD PROTEINS, metabolism/ *CHLORMADINONE, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MESTRANOL, pharmacodynamics/ TIME FACTORS
1140. First NL, Stalgmiller RB: Effects of ovariectomy, dexamethasone and progesterone on the maintenance of pregnancy in swine. *J Anim Sci* 37:1191-4, Nov 73
ABORTION, VETERINARY, physiopathology/ ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ BODY WEIGHT/ CASTRATION/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ LABOR, drug effects/ ORGAN WEIGHT/ *OVARY, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROGESTERONE, pharmacodynamics/ *SWINE, physiology/ SWINE DISEASES, physiopathology/ THYMUS GLAND, anatomy & histology/ THYMUS GLAND, drug effects
1141. Fischer JA, Binswanger U, Fanconi A, et al: Serum parathyroid hormone concentrations in vitamin D deficiency rickets of infancy: effects of intravenous calcium and vitamin D. *Horm Metab Res* 5:381-5, Sep 73
ALKALINE PHOSPHATASE, blood/ AMINO ACIDS, urine/ ANTIGEN-ANTIBODY REACTIONS/ BLOOD PROTEINS, metabolism/ *CALCIUM, therapeutic use/ *CHOLECALCIFEROL, therapeutic use/ COMPARATIVE STUDY/ CREATININE, blood/ ELECTROPHORESIS, PAPER/ HUMAN/

AUTHOR SECTION

- INFANT/ MAGNESIUM, blood/
*PARATHYROID HORMONE, blood/
PHOTOMETRY/ *RICKETS, blood/ RICKETS,
drug therapy/ TIME FACTORS/ *VITAMIN D
DEFICIENCY, blood/ VITAMIN D
DEFICIENCY, drug therapy
1142. Fisher B: Proceedings: Cooperative clinical trials in
primary breast cancer: a critical appraisal.
Proc Natl Cancer Conf 7:285-302, 1973 (24 ref.)
ADULT/ AGED/ BREAST NEOPLASMS, drug
therapy/ BREAST NEOPLASMS, radiotherapy/
BREAST NEOPLASMS, surgery/ *BREAST
NEOPLASMS, therapy/ CASTRATION/
CLINICAL RESEARCH/ COMPARATIVE
STUDY/ CYCLOPHOSPHAMIDE, therapeutic
use/ DENMARK/ ENGLAND/ EVALUATION
STUDIES/ FEMALE/ FINLAND/ HUMAN/
LONDON/ MASTECTOMY/ MIDDLE AGE/
NORWAY/ OVARY/ PROSPECTIVE STUDIES/
REVIEW/ SCOTLAND/ SWEDEN/ UNITED
STATES
1143. Fisher DA, Lam RW: Thyroid hormone binding by
bovine and ovine fetuin.
Endocrinology 91:49-54, Jan 74
*ALPHA GLOBULIN, metabolism/ ANIMAL
EXPERIMENTS/ AUTORADIOGRAPHY/
BINDING SITES/ CATTLE/
ELECTROPHORESIS/ FEMALE/ *FETAL
GLOBULINS, metabolism/ HYDROGEN-ION
CONCENTRATION/ IODINE RADIOISOTOPES/
PREGNANCY/ PROTEIN BINDING/ SHEEP/
STRUCTURE-ACTIVITY RELATIONSHIP/
*THYROXINE, metabolism
1144. Fitzpatrick FA: Nitrile-terminated hydrocarbons as
stationary phases for high-performance liquid
chromatography of steroid hormones.
Clin Chem 19:1293-5, Nov 73
ALDOSTERONE/ CHROMATOGRAPHY/
COMPARATIVE STUDY/ CORTICOSTERONE/
CORTISONE/ ESTRADIOL/ ESTRIOL/
ESTRONE/ EVALUATION STUDIES/
HYDROCARBONS/ HYDROCORTISONE/
KETOSTEROIDS/ METHODS/ *NITRILES/
PREGNENEDIONES/ PREGNENES/
SPECTROPHOTOMETRY, ULTRAVIOLET/
*STEROIDS, analysis/ STEROIDS, isolation &
purification/ TIME FACTORS
1145. Fitzpatrick RJ, Sharma SC: Proceedings:
Prostaglandin F in the vena caval blood during the
oestrous cycle of the ewe.
J Physiol (Lond) 234:57P-59P, Oct 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM,
physiology/ *ESTRUS/ FEMALE/ JUGULAR
VEIN/ *PROSTAGLANDINS, blood/ *SHEEP,
physiology/ TIME FACTORS/ VENA CAVA,
INFERIOR
1146. Fjalland B: Adrenergic and serotonergic mechanisms
in gastric secretion in rats.
Acta Pharmacol Toxicol (Kbh) 33:103-12, 1973
ANIMAL EXPERIMENTS/
CATECHOLAMINES, pharmacodynamics/
DEPRESSION, CHEMICAL/ DOPA,
pharmacodynamics/ GASTRIC FISTULA/
*GASTRIC JUICE, drug effects/
HYDROXYDOPAMINE, pharmacodynamics/
MALE/ METHYLTYROSINES,
pharmacodynamics/ PYLORUS, physiology/
RATS/ *SEROTONIN, pharmacodynamics/
STIMULATION, CHEMICAL/ STOMACH,
physiology/ TIME FACTORS
1147. Fleisher MR, Glass DN, Daly JR: Proceedings: A
re-examination of the hypoglycaemia-induced
"stress" response of the
hypothalamo-pituitary-adrenal axis in patients with
rheumatoid arthritis on long-term
adrenocorticotrophin (ACTH) therapy.
Ann Rheum Dis 32:595-6, Nov 73
*ARTHRITIS, RHEUMATOID, drug therapy/
*CORTICOTROPIN, administration & dosage/
HUMAN/ HYPOGLYCEMIA/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM,
physiology/ *PITUITARY-ADRENAL
SYSTEM/ STRESS
1148. Flocks RH, Boatman DL: Incidence of head and neck
metastases from genito-urinary neoplasms.
Laryngoscope 83:1527-39, Sep 73
ADENOCARCINOMA, pathology/ ADRENAL
GLAND NEOPLASMS, pathology/ BLADDER
NEOPLASMS, pathology/ BONE NEOPLASMS,
pathology/ BRAIN NEOPLASMS, pathology/
CARCINOMA, pathology/ FEMALE/ FEMORAL
NEOPLASMS, pathology/ *HEAD/ HUMAN/
KIDNEY NEOPLASMS, pathology/ KIDNEY
PELVIS/ LYMPHATIC METASTASIS/ MALE/
MIDDLE AGE/ *NECK NEOPLASMS,
pathology/ NEOPLASM METASTASIS/ NOSE
NEOPLASMS, pathology/ PELVIC BONES/
PROSTATIC NEOPLASMS, pathology/ SPINAL
NEOPLASMS, pathology/ URETERAL
NEOPLASMS, pathology/ *UROGENITAL
NEOPLASMS, pathology
1149. Flower RJ: Aspirin-like drugs and prostaglandins.
Am Heart J 86:844-6, Dec 73
*ASPIRIN/ ASPIRIN, adverse effects/
ASPIRIN, therapeutic use/ DRUG
INTERACTIONS/ FEVER, drug therapy/
FEVER, etiology/ HEART, drug effects/
HUMAN/ INFLAMMATION, drug therapy/
INFLAMMATION, etiology/
*PROSTAGLANDINS/ PROSTAGLANDINS,
biosynthesis/ PROSTAGLANDINS,
pharmacodynamics/ STIMULATION,
CHEMICAL
1150. Foldenauer A: Kann Thyroxin bei endemischen
Strumen eine Hyperthyreose auslösen.
Acta Endocrinol [Suppl] (Kbh) 79, 1973 (Ger)
ADULT/ AGED/ DRUG COMBINATIONS/
FEMALE/ GOITER, ENDEMIC, drug therapy/
HUMAN/ *HYPERTHYROIDISM, chemically
induced/ IODINE RADIOISOTOPES/ MIDDLE
AGE/ THYROID GLAND, physiology/ pathology/
*THYROXINE, adverse effects/ TIME
FACTORS/ *TRIIODOTHYRONINE, adverse
effects
1151. Földes J, Meréty K, Gesztel E, et al:
Thyreotrop-hormon meghatározása serumban
radioimmunoassay-val.
Orv Hetil 114:3140-5, 30 Dec 73 (Hun)
GOITER, EXOPHTHALMIC, diagnosis/
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/
*RADIOIMMUNOASSAY/ *THYROID
DISEASES, blood/ THYROID DISEASES,
diagnosis/ THYROID GLAND FUNCTION
TESTS/ *THYROTROPIN, blood
1152. Földes J, Takó J, Bános C, et al: Reduced sensitivity of
the thyroid to thyrotrophic hormone and LATS
following treatment with antimicrobial antibodies.
Acta Endocrinol (Kbh) 74:875-84, Dec 73
ANIMAL EXPERIMENTS/ ANTIBODIES/
BINDING SITES, ANTIBODY/ COMPLEMENT
FIXATION TESTS/ DEPRESSION, CHEMICAL/
GOITER, EXOPHTHALMIC, immunology/
HEMAGGLUTINATION TESTS/ HUMAN/
IODINE RADIOISOTOPES/ LONG-ACTING
THYROID STIMULATOR, metabolism/
*LONG-ACTING THYROID STIMULATOR,
pharmacodynamics/ MICE/ *MICROSOMES,
immunology/ SERUM ALBUMIN/
STIMULATION, CHEMICAL/ THYROID
GLAND, cytology/ *THYROID GLAND, drug
effects/ THYROIDITIS, LYMPHOMATOUS,
immunology/ THYROTROPIN, metabolism/
*THYROTROPIN, pharmacodynamics/ TIME
FACTORS
1153. Fomina MP, Grekova NI: Aktivnost' geksokinazy 1
degldrogenaz pentozofosfatnogo puti v
desimpatizirovannykh semennikakh kryss.
Zb Evol Blokhim Fiziol 9:51-5, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ *GLUCOSEPHOSPHATE
DEHYDROGENASE, metabolism/
*HEXOKINASE, metabolism/ MALE/
MITOCHONDRIA, enzymology/
*PHOSPHOGLUCONATE DEHYDROGENASE,
metabolism/ RATS/ SYMPATHECTOMY/
*SYMPATHETIC NERVOUS SYSTEM,
physiology/ TESTIS, enzymology/ *TESTIS,
innervation

AUTHOR SECTION

1154. Fontaine YA, Salmon C, Fontaine-Bertrand E, et al: Age-related changes in FSH- and in LH-sensitive ovarian adenyl cyclase from prepubertal rats. *Horm Metab Res* 5:376-80, Sep 73
*ADENYL CYCLASE, metabolism/ AGING/
ANIMAL EXPERIMENTS/ COMPARATIVE
STUDY/ FEMALE/ *FSH, pharmacodynamics/
*LH, pharmacodynamics/ OVARY,
drug effects/ *OVARY, enzymology/ OVARY,
growth & development/ PHOSPHORUS
RADIOISOTOPES/ PUBERTY/ RATS/ SHEEP/
TIME FACTORS/ TRITIUM
1155. Forbes JM, Balle CA: Proceedings: Increased feeding following injections of carbachol into the hypothalamus of sheep. *J Endocrinol* 59:xxxix, Nov 73
ANIMAL EXPERIMENTS/ *CARBACHOL,
pharmacodynamics/ CASTRATION/ *FEEDING
BEHAVIOR, drug effects/ *HYPOTHALAMUS,
drug effects/ MALE/ SHEEP
1156. Forbes TR, Taku E: Steroid pellets and venous diameter in orchidectomized, ovariectomized, and ovariectomized-hysterectomized mice. *Proc Soc Exp Biol Med* 144:356-8, 1 Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
ESTRADIOL, pharmacodynamics/ SPERMATIC
VEIN, anatomy & histology/ FEMORAL VEIN,
drug effects/ HYSTERECTOMY/ MALE/
MICE/ MICE, INBRED C57BL/ MICE, INBRED
DBA/ OVARY, blood supply/
PROGESTERONE, pharmacodynamics/ *SEX
HORMONES, pharmacodynamics/ SPERMATIC
CORD, blood supply/ TESTOSTERONE,
pharmacodynamics/ UTERUS, blood supply/
*VEINS, anatomy & histology/ VEINS, drug
effects/ *VENA CAVA, INFERIOR, anatomy &
histology/ VENA CAVA, INFERIOR, drug
effects
1157. Forcier P: Atrophies optiques secondaires. *Vie Med Can Fr* 2:739-41, Aug 73 (Fre)
ADOLESCENCE/ BLINDNESS, etiology/
BRAIN ABSCESS, complications/ BRAIN
NEOPLASMS, complications/ CEREBELLAR
NEOPLASMS, complications/ CHILD/ CHILD,
PRESCHOOL/ CRANIOFACIAL DYSOSTOSIS,
complications/ CRANIOPHARYNGIOMA,
complications/ FEMALE/ HUMAN/
INTRACRANIAL PRESSURE/ MALE/ *OPTIC
ATROPHY, etiology
1158. Ford RV Jr, Sanders DY, Myers RT: Thyroid abscess in a 14-month-old child. *J Pediatr Surg* 5:943-4, Dec 73
ABSCESS, etiology/ *ABSCESS, surgery/
DRAINAGE/ FEMALE/ FEVER, etiology/
HUMAN/ INFANT/ POSTOPERATIVE
COMPLICATIONS/ STAPHYLOCOCCAL
INFECTIONS, complications/ SUPPURATION,
etiology/ *THYROID DISEASES, surgery/
THYROIDITIS, complications
1159. Foreman D, Gaylor L, Evans E, et al: A modification of the Roe procedure for determination of fructose in tissues with increased specificity. *Anal Biochem* 56:584-90, Dec 73
ABSORPTION/ DENSITOMETRY/ *FRUCTOSE,
analysis/ GLUCOSE, analysis/ GONADS,
analysis/ MALE/ METHODS/ RATS/
RESORCINOL, analysis/
SPECTROPHOTOMETRY/ TISSUE EXTRACTS,
analysis
1160. Fortuny A, Pujol-Amat P, Calaf J, et al: Proceedings: Plasma levels of LH, FSH and prolactin in women during and after insertion of an intrauterine device. *J Reprod Fertil* 35:828-9, Dec 73
FEMALE/ *FSH, blood/ HUMAN/
*INTRAUTERINE DEVICES/ *LH, blood/
MENSTRUATION/ *PROLACTIN, blood/
RADIOIMMUNOASSAY
1161. Foss MV: Proceedings: Bone density in osteoarthritis. *Ann Rheum Dis* 32:588-9, Nov 73
*BONE AND BONES, pathology/ BONE AND
BONES, radiography/ DENSITOMETRY/
FEMORAL FRACTURES, pathology/ FEMUR,
pathology/ HUMAN/ METACARPUS/
*OSTEOARTHRITIS, pathology/ OSTECTOMY
1162. Foss NE, Fretland A: Thyreotoxicosis operata. Et 5-årsmateriale fra Drammen sykehus. *Tidsskr Nor Laegeforen* 93:2017-20, 30 Sep 73 (Nor)
ADULT/ AGED/ ENGLISH ABSTRACT/
FEMALE/ FOLLOW-UP STUDIES/ HUMAN/
*HYPERTHYROIDISM, surgery/
HYPOPARATHYROIDISM, etiology/ MALE/
MIDDLE AGE/ POSTOPERATIVE
COMPLICATIONS/ RECURRENCE/ THYROID
GLAND FUNCTION TESTS/
*THYROIDECTOMY/ TIME FACTORS
1163. Foster JP, Crighton DB: Proceedings: Comparison of LH levels in post-partum anoestrous and cycling ewes and the effects of synthetic gonadotrophin-releasing factor. *J Reprod Fertil* 35:599-600, Dec 73
ANIMAL EXPERIMENTS/ *ESTRUS/
FEMALE/ LACTATION/ *LH, blood/
*PITUITARY HORMONE RELEASING
HORMONES, pharmacodynamics/ PREGNANCY/
*PUERPERIUM/ RADIOIMMUNOASSAY/
SHEEP/ STIMULATION, CHEMICAL
1164. Fournier A, Lagrue G, Schmitt H: Bases pharmacologiques du traitement symptomatique de l'hypertension artérielle. I. Effets hémodynamiques, mécanismes d'action et effets secondaires des anti-hypertenseurs. *Nouv Presse Med* 2:2539-46, 27 Oct 73 (Fre)
ANGIOTENSIN/ ANTIHYPERTENSIVE
AGENTS, adverse effects/
*ANTIHYPERTENSIVE AGENTS, therapeutic
use/ BLOOD PRESSURE, drug effects/
CLONIDINE, adverse effects/ CLONIDINE,
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DIAZOXIDE, adverse effects/ DIAZOXIDE,
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ABSTRACT/ GANGLIONIC BLOCKADERS,
adverse effects/ GANGLIONIC BLOCKADERS,
therapeutic use/ GUANETHIDINE, adverse
effects/ GUANETHIDINE, therapeutic use/
*HEMODYNAMICS, drug effects/ HUMAN/
HYDRALAZINE, adverse effects/
HYDRALAZINE, therapeutic use/
*HYPERTENSION, drug therapy/ LONG TERM
CARE/ MEDULLA OBLONGATA, drug effects/
METHYLDOPA, adverse effects/
METHYLDOPA, therapeutic use/ MONOAMINE
OXIDASE INHIBITORS, adverse effects/
MONOAMINE OXIDASE INHIBITORS,
therapeutic use/ NEURAL TRANSMISSION,
drug effects/ PROPRANOLOL,
adverse effects/ PROPRANOLOL, therapeutic
use/ *RECEPTORS, ADRENERGIC, drug
effects/ RENIN/ RESERPINE, adverse effects/
RESERPINE, therapeutic use/ *VASOMOTOR
SYSTEM, drug effects
1165. Fox PF, Guiney J: Casein micelle structure: susceptibility of various casein systems to proteolysis. *J Dairy Res* 40:229-34, Jun 73
CALCIUM PHOSPHATES/ *CASEIN,
metabolism/ CATTLE/ CHEMISTRY/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ HYDROLYSIS/ MACROMOLECULAR
SYSTEMS/ MILK, metabolism/ PEPTIDE
FRAGMENTS, metabolism/ PERMEABILITY/
*RENIN, metabolism/ SODIUM/
STRUCTURE-ACTIVITY RELATIONSHIP
1166. Fracchia AA, Kaufman RJ: Proceedings: Management of advanced breast cancer. *Proc Natl Cancer Conf* 7:303-7, 1973
ADRENALECTOMY/ BREAST NEOPLASMS,
drug therapy/ BREAST NEOPLASMS,
radiotherapy/ BREAST NEOPLASMS, surgery/
*BREAST NEOPLASMS, therapy/
CASTRATION/ DRUG THERAPY,
COMBINATION/ FEMALE/ FUTUROLOGY/
HUMAN/ HYPOPHYSECTOMY/
MASTECTOMY/ NEOPLASM METASTASIS/
OVARY/ SEX HORMONES, therapeutic use
1167. Franchimont P: L'influence hormonale sur les tissus prostatiques, mammaires, endométriaux et thyroïdiens. *Rev Med Liege* 28:659-62, Oct 73 (Fre)
ANIMAL EXPERIMENTS/ BREAST, drug
effects/ *BREAST NEOPLASMS, drug therapy/
ENDOMETRIUM, drug effects/ HORMONES,

AUTHOR SECTION

- pharmacodynamics/ *HORMONES, therapeutic use/ HUMAN/ PROSTATE, drug effects/ *PROSTATIC NEOPLASMS, drug therapy/ THYROID GLAND, drug effects/ *THYROID NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, drug therapy
1168. Frank HL, Hemker HC: The influence of glycerol on calcium in the isolated perfused rat heart. *Acta Cardiol (Brux) Suppl* 17:222-4, 1973
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ *GLYCEROLPHOSPHATE DEHYDROGENASE, pharmacodynamics/ *HEART, drug effects/ *MYOCARDIUM, metabolism/ RATS
1169. Franken FH: Die Behandlung des Coma hepaticum. *Med Monatsschr* 27:386-9, Sep 73 (23 ref.) (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ DIET THERAPY/ EXCHANGE TRANSFUSION/ HEPARIN, therapeutic use/ HEPATIC COMA, drug therapy/ HEPATIC COMA, etiology/ *HEPATIC COMA, therapy/ HEPATITIS, complications/ HUMAN/ INFUSIONS, PARENTERAL/ LIVER CIRRHOSIS, complications/ PERFUSION/ POISONING, complications/ REVIEW
1170. Franklin TJ, Foster SJ: Hormone-induced desensitisation of hormonal control of cyclic AMP levels in human diploid fibroblasts. *Nature [New Biol]* 246:146-8, 5 Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ CELL LINE/ DIPLOIDY/ FETUS/ FIBROBLASTS, drug effects/ FIBROBLASTS, enzymology/ *FIBROBLASTS, metabolism/ HUMAN/ *ISOPROTERENOL, pharmacodynamics/ LUNG/ PHOSPHODIESTERASES, metabolism/ *PROSTAGLANDINS, pharmacodynamics
1171. Franklin TJ, Foster SJ: Leakage of cyclic AMP from human diploid fibroblasts in tissue culture. *Nature [New Biol]* 246:119-20, 28 Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BUFFERS/ CELL LINE/ CELL MEMBRANE PERMEABILITY/ *CELLS, CULTURED/ CULTURE MEDIA/ FIBROBLASTS/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ LUNG/ PROSTAGLANDINS, pharmacodynamics
1172. Franks LM: Proceedings: Etiology, epidemiology, and pathology of prostatic cancer. *Cancer* 32:1092-5, Nov 73
ADRENAL CORTEX HORMONES, physiology/ AGE FACTORS/ HUMAN/ MALE/ PITUITARY HORMONES, physiology/ PROGNOSIS/ PROSTATE, pathology/ *PROSTATIC NEOPLASMS/ PROSTATIC NEOPLASMS, etiology/ PROSTATIC NEOPLASMS, occurrence/ PROSTATIC NEOPLASMS, pathology/ RACIAL STOCKS/ SEX HORMONES, physiology
1173. Fraser D, Kooh SW, Kind HP, et al: Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. *N Engl J Med* 289:817-22, 18 Oct 73
CHILD/ CHILD, PRESCHOOL/ CHOLECALCIFEROL, administration & dosage/ CHOLECALCIFEROL, therapeutic use/ DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ ERGOCALCIFEROL, administration & dosage/ ERGOCALCIFEROL, therapeutic use/ HUMAN/ HYDROXYCHOLECALCIFEROL/ HYDROXYCHOLECALCIFEROL, administration & dosage/ *HYDROXYCHOLECALCIFEROL, biosynthesis/ HYDROXYCHOLECALCIFEROL, metabolism/ HYDROXYCHOLECALCIFEROL, therapeutic use/ INJECTIONS, INTRAVENOUS/ RICKETS, VITAMIN D RESISTANT, drug therapy/ RICKETS, VITAMIN D RESISTANT, enzymology/ *RICKETS, VITAMIN D RESISTANT, etiology/ RICKETS, VITAMIN D RESISTANT, familial & genetic/ RICKETS, VITAMIN D RESISTANT, metabolism/ STERIOD HYDROXYLASES, metabolism/ TIME FACTORS/ *VITAMIN D, metabolism
1174. Fraser HM, Jeffcoate SL, Holland DT, et al: Detection of luteinizing hormone releasing hormone in the peripheral blood of the rat on the afternoon of pro-oestrus. *J Endocrinol* 59:375-6, Nov 73
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ *ESTRUS/ FEMALE/ *LH-FSH RELEASING HORMONE, blood/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS
1175. Fraser IS, Brash JH: Comparison of extra- and intra-amniotic prostaglandins for therapeutic abortion. *Obstet Gynecol* 43:97-103, Jan 74
*ABORTION, THERAPEUTIC/ ADOLESCENCE/ AMINOPHYLLINE, therapeutic use/ *AMNIOTIC FLUID/ BRONCHIAL SPASM, chemically induced/ BRONCHIAL SPASM, drug therapy/ CATHETERIZATION/ COMPARATIVE STUDY/ DRUG SYNERGISM/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ OXYGEN, therapeutic use/ OXYTOCIN, administration & dosage/ OXYTOCIN, therapeutic use/ PARITY/ PREGNANCY/ PRESSURE/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS
1176. Fraser SD, Aceto T Jr, Hayles AB, et al: Collaborative study of the effects of human growth hormone in growth hormone deficiency. II. Development and significance of antibodies to human growth hormone during the first year of therapy. *J Clin Endocrinol Metab* 38:14-8, Jan 74
*ANTIBODY FORMATION/ CORTISONE, therapeutic use/ DWARFISM, PITUITARY, drug therapy/ *DWARFISM, PITUITARY, immunology/ GROWTH, drug effects/ HEMAGGLUTINATION TESTS/ HUMAN/ IODINE RADIOISOTOPES/ PROTEIN BINDING/ SHEEP/ *SOMATOTROPIN, therapeutic use/ THYROIDINE, therapeutic use
1177. Fraumeni JF Jr, Li FP, Dalager N: Teratomas in children: epidemiologic features. *J Natl Cancer Inst* 51:1425-30, Nov 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ DEATH CERTIFICATES/ FEMALE/ HUMAN/ INFANT/ MALE/ MEDICAL RECORDS/ OVARIAN NEOPLASMS, mortality/ SACROCOCCYGEAL REGION/ SEX FACTORS/ SPINE, abnormalities/ TERATOID TUMOR, complications/ *TERATOID TUMOR, mortality/ TESTICULAR NEOPLASMS, mortality/ UNITED STATES/ UROGENITAL SYSTEM, abnormalities
1178. Frears JF, Wilson LC, Friedman M: Betamethasone 17-valerate by aerosol in childhood asthma. *Arch Dis Child* 48:856-63, Nov 73
ADOLESCENCE/ AEROSOLS/ *ASTHMA, drug therapy/ *BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ DISODIUM CROMOGLYCAT, therapeutic use/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ PLACEBOS/ RESPIRATORY AIRFLOW/ SPIROMETRY
1179. Fredell CH: The surgical treatment of thyroid disease. *Arch Med* 30:778-84, Nov 73
*ADENOCARCINOMA, surgery/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ARIZONA/ FEMALE/ HOSPITALS, GENERAL/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, occurrence/ RETROSPECTIVE STUDIES/ *THYROID DISEASES, surgery/ THYROID

AUTHOR SECTION

- NEOPLASMS, diagnosis/ *THYROID
NEOPLASMS, surgery/ THYROIDECTOMY
1180. Fredholm BB, Persson B: Actions of human chorionic somatomammotropin (HCS) in dog subcutaneous adipose tissue in situ. *Horm Metab Res* 5:347-50, Sep 73
ACETOACETATES, blood/ ADIPOSE TISSUE, blood supply/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BLOOD PRESSURE/ BLOOD SUGAR, metabolism/ DOGS/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HEMATOCRIT/ HUMAN/ HYDROXYBUTYRATES, blood/ INSULIN, blood/ LACTATES, blood/ PERFUSION/ *PLACENTAL LACTOGEN, pharmacodynamics/ PREGNANCY/ REGIONAL BLOOD FLOW/ SKIN/ TIME FACTORS
1181. Freedman LS, Roffman M, Goldstein M, et al: Serum and tissue dopamine-beta-hydroxylase activity in hypophysectomized rats. *Eur J Pharmacol* 24:366-74, Dec 73
ADRENAL GLANDS/ ADRENAL GLANDS, enzymology/ ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOPAMINE BETA HYDROXYLASE, blood/ *DOPAMINE BETA HYDROXYLASE, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ GANGLIA, SPINAL, enzymology/ HISTOCYTOCHEMISTRY/ HYPOPHYSECTOMY/ MALE/ MESENTERIC ARTERIES, enzymology/ ORGAN WEIGHT/ *PITUITARY GLAND, physiology/ RABBITS, immunology/ RATS/ SHEEP, immunology/ SYMPATHETIC NERVOUS SYSTEM, enzymology/ TIME FACTORS
1182. Freeman H, Hill JR, Edwards AM, et al: Paroxysmal nocturnal hemoglobinuria in an identical twin. *Can Med Assoc J* 109:1002 passim, 17 Nov 73
ADOLESCENCE/ ANDROGENS, therapeutic use/ ANEMIA, HEMOLYTIC, etiology/ ANEMIA, HYPOCHROMIC, etiology/ BLOOD TRANSFUSION/ BONE MARROW CELLS, transplantation/ BONE MARROW EXAMINATION/ CELL MEMBRANE/ *DISEASES IN TWINS/ ENVIRONMENTAL EXPOSURE/ ERYTHROCYTES, ABNORMAL, cytology/ FOLIC ACID, therapeutic use/ HEMOGLOBINOMETRY/ HEMOGLOBINURIA, PAROXYSMAL, complications/ *HEMOGLOBINURIA, PAROXYSMAL, familial & genetic/ HEMOGLOBINURIA, PAROXYSMAL, therapy/ HEMOLYSIS/ HEMOSIDERIN, urine/ HUMAN/ IRON, therapeutic use/ MALE/ MICROSCOPY, ELECTRON, SCANNING/ THROMBOPHLEBITIS, etiology/ TRANSPLANTATION, HOMOLOGOUS
1183. Freese UE: Morphological determinants in O₂-transfer across the human and Rhesus hemochorial placenta. *Adv Exp Med Biol* 37:1027-39, 1973
BIOLOGICAL TRANSPORT/ BLOOD CIRCULATION/ COMPARATIVE STUDY/ FEMALE/ FETUS/ HUMAN/ MACACA/ MATERNAL-FETAL EXCHANGE/ MEMBRANES, metabolism/ MICROCIRCULATION/ MONKEYS/ *OXYGEN, blood/ PLACENTA, blood supply/ PLACENTA, cytology/ *PLACENTA, metabolism/ PREGNANCY/ SPECIES SPECIFICITY
1184. Frei E 3d, Schabel FM Jr, Goldin A: Comparative chemotherapy of AKR lymphoma and human hematological neoplasia. *Cancer Res* 34:184-93, Jan 74
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ BIOLOGICAL ASSAY/ CARMUSTINE, therapeutic use/ COMPARATIVE STUDY/ CYCLOHEXANE/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DISEASE MODELS, ANIMAL/ DRUG THERAPY, COMBINATION/ EVALUATION STUDIES/ FEMALE/ FLUOROURACIL, therapeutic use/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ *LEUKEMIA, drug therapy/ *LEUKEMIA, EXPERIMENTAL, drug therapy/ LEUKEMIA L1210, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, drug therapy/ *LYMPHOMA, drug therapy/ MALE/ MECHLORETHAMINE, therapeutic use/ MELPHALAN, therapeutic use/ MICE/ MICE, INBRED AKR/ MULTIPLE MYELOMA, drug therapy/ NITROSOUREA COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use
1185. Freimark SJ: Effects of electrical stimulation of the brain on the formation of acute gastric lesions. *Physiol Behav* 11:855-9, Dec 73
ANIMAL EXPERIMENTS/ *CONDITIONING, OPERANT/ ELECTRIC STIMULATION/ ELECTROSHOCK/ FEEDING BEHAVIOR/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ REINFORCEMENT SCHEDULE/ REWARD/ *STOMACH ULCER, etiology/ *STRESS, PSYCHOLOGICAL
1186. Freire-Maia L, Pinto GI, Franco I: Mechanism of the cardiovascular effects produced by purified scorpion toxin in the rat. *J Pharmacol Exp Ther* 188:207-13, Jan 74
ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ARRHYTHMIA, chemically induced/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ ELECTROCARDIOGRAPHY/ GUANETHIDINE, pharmacodynamics/ *HEMODYNAMICS, drug effects/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ RESPIRATION, drug effects/ *SCORPIONS/ TOXINS/ *TOXINS, pharmacodynamics/ VAGOTOMY/ VAGUS NERVE, physiology
1187. Freireich EJ, Bodey GP, McCredie KB, et al: Proceedings: Management of acute leukemia. *Proc Natl Cancer Conf* 7:345-9, 1973
ACUTE DISEASE/ ADULT/ CYCLOPHOSPHAMIDE, therapeutic use/ *CYTARABINE, therapeutic use/ DRUG SYNERGISM/ DRUG THERAPY, COMBINATION/ HUMAN/ *LEUKEMIA, drug therapy/ PREDNISONE, therapeutic use/ REMISSION/ VINCRISTINE, therapeutic use
1188. French LR, Casida LE: Effect of actinomycin D on corpus luteum regression in ewes. *J Anim Sci* 37:1218-21, Nov 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ DACTINOMYCIN, administration & dosage/ *DACTINOMYCIN, pharmacodynamics/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEMALE/ INJECTIONS/ ORGAN WEIGHT/ OVULATION, drug effects/ *SHEEP, physiology/ UTERUS
1189. Freudenthal RI, Martin J, Wall ME: Distribution of delta 9-tetrahydrocannabinol in the mouse. *Br J Pharmacol* 44:244-9, Feb 72
ACETATES/ ADMINISTRATION, ORAL/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BROWN FAT, metabolism/ *CANNABIS, metabolism/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ CORPUS LUTEUM, metabolism/ FEMALE/ FETUS/ INJECTIONS, INTRAVENOUS/ LIVER, metabolism/ LUNG, metabolism/ MAMMAE, metabolism/ MICE/ PLACENTA, metabolism/ PREGNANCY/ SPLEEN, metabolism/ TETRAHYDROCANNABINOL, metabolism/ VITELLINE MEMBRANE, metabolism

AUTHOR SECTION

1190. Freunthalier P: Innere Sekretion und Dysgnathien. Osterr Z Stomatol 70:423-9, Dec 73 (Ger)
*ENDOCRINE DISEASES, complications/
HUMAN/ *MALOCCLUSION, etiology
1191. Frey HH, Schulz R: On the central mediation of anorexic drug effects. Biochem Pharmacol 22:3041-9, 1 Dec 73
AMPHETAMINE, antagonists & inhibitors/
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ APPETITE, drug effects/
*APPETITE DEPRESSANTS, pharmacodynamics/ *CENTRAL NERVOUS SYSTEM, physiology/ CHLORINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ COMPARATIVE STUDY/ DISULFIRAM, pharmacodynamics/ DOPAMINE, metabolism/ HALOPERIDOL, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ METHYLTYROSINES, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, CHOLINERGIC, drug effects/ SEROTONIN, metabolism/ TIME FACTORS
1192. Frey KW, Büll U, Heenemann-Bächmann E, et al: Ergebnisse der 131Jod-Therapie endemischer Strumen in Südbayern. Acta Endocrinol [Suppl] (Kbh) 91-2, 1973 (Ger)
ADULT/ AGED/ CHOLESTEROL, blood/ GERMANY, WEST/ *GOITER, ENDEMIC, drug therapy/ HUMAN/ HYPOTHYROIDISM, occurrence/ IODINE, blood/ IODINE RADIOISOTOPES, administration & dosage/ *IODINE RADIOISOTOPES, therapeutic use/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING
1193. Freyer HU: Kontinuierliche Rachitisprophylaxe-schon beim Neugeborenen. Monatsschr Kinderheilkd 121:695-6, Nov 73 (Ger)
AGE FACTORS/ ENGLISH ABSTRACT/ HUMAN/ INFANT, NEWBORN/ *RICKETS, prevention & control/ *VITAMIN D, administration & dosage
1194. Frick G, Kühne D: Veränderungen der Heparinozytenzahl bei Einnahme von hormonalen Kontrazeptiva. Zentralbl Gynaekol 95:1441-50, 12 Oct 73 (Ger)
ADULT/ AGE FACTORS/ *BASOPHILS, drug effects/ CALCIUM METABOLISM DISORDERS, chemically induced/ CHLORMADINONE, adverse effects/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HEPARIN, antagonists & inhibitors/ HEPARIN, biosynthesis/ HUMAN/ *LEUKOCYTE COUNT/ MAST CELLS/ MENSTRUATION/ MESTRANOL, adverse effects/ MUCOPOLYSACCHARIDES, metabolism/ NORETHINDRONE, adverse effects/ OVULATION/ PREGNANCY/ *THROMBOEMBOLISM, chemically induced
1195. Fried W, Jonasson O, Lang G, et al: The hematologic effect of androgen in uremic patients. Study of packed cell volume and erythropoietin responses. Ann Intern Med 79:823-7, Dec 73
*ANEMIA, drug therapy/ ANEMIA, etiology/ *ERYTHROPOIESIS, drug effects/ *ERYTHROPOIETIN, secretion/ HEMATOCRIT/ HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, complications/ MALE/ NEPHRECTOMY/ *TESTOSTERONE, therapeutic use/ *UREMIA, complications
1196. Friedman EW, Schwartz AE, Spiro RH: Changing patterns in hyperparathyroidism. Surg Gynecol Obstet 137:941-4, Dec 73
ADENOMA, complications/ ADULT/ AGED/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, surgery/ HYPERPLASIA, diagnosis/ MALE/ MIDDLE AGE/ NECK, surgery/ PARATHYROID GLANDS, surgery/ PARATHYROID NEOPLASMS, diagnosis
1197. Friedman EW, Schwartz AE, Spiro RH: Changing patterns in hyperparathyroidism. Surg Gynecol Obstet 137:941-4, Dec 73
ADENOMA, complications/ ADENOMA, diagnosis/ ADENOMA, surgery/ ADULT/ AGED/ CALCIUM, blood/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, etiology/ *HYPERPARATHYROIDISM, surgery/ HYPERPLASIA, diagnosis/ MALE/ MEDIASTINAL NEOPLASMS, complications/ MEDIASTINAL NEOPLASMS, diagnosis/ MEDIASTINAL NEOPLASMS, surgery/ METHODS/ MIDDLE AGE/ NECK, surgery/ PARATHYROID GLANDS, surgery/ PARATHYROID NEOPLASMS, diagnosis/ THYROID GLAND, surgery/ THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery
1198. Friedman L, Yin L: Influence of hypophysectomy on the biochemical effects and metabolism of aflatoxin B1 in rats. J Natl Cancer Inst 51:479-87, Aug 73
*AFLATOXIN/ AFLATOXIN, metabolism/ AFLATOXIN, pharmacodynamics/ AMINOPYRINE, metabolism/ AMINOPYRINE N-DEMETHYLASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *HYPOPHYSECTOMY/ IN VITRO/ LIVER, enzymology/ *LIVER, metabolism/ MICROSOMES, LIVER, metabolism/ ORGAN WEIGHT/ OROTIC ACID, metabolism/ RATS/ RNA, biosynthesis
1199. Friedman LA: Horizontal tooth mobility and the menstrual cycle. J Perodont Res 7:125-30, 1972
ADULT/ ANALYSIS OF VARIANCE/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ MENSTRUATION/ *TOOTH MOBILITY
1200. Friedman M, Byers SO: The pathogenesis of neurogenic hypercholesterolemia. V. Relationship to hepatic catabolism of cholesterol. Proc Soc Exp Biol Med 144:917-22, Dec 73
ACETATES, metabolism/ ANIMAL EXPERIMENTS/ BILE ACIDS AND SALTS, biosynthesis/ CHOLESTEROL, biosynthesis/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ *HYPERCHOLESTEREMIA, etiology/ *HYPOTHALAMUS, physiology/ LIPOPROTEINS, blood/ LIVER, anatomy & histology/ *LIVER, metabolism/ MALE/ ORGAN WEIGHT/ RATS/ TRITIUM
1201. Friesen SR, Hermreck AS, Mantz FA Jr: Glucagon, gastrin, and carcinoid tumors of the duodenum, pancreas, and stomach: polypeptide "apudomas" of the foregut. Am J Surg 127:90-101, Jan 74
ADENOMA, complications/ ADULT/ AGED/ CARCINOID TUMOR, pathology/ *CARCINOID TUMOR, physiopathology/ CARCINOID TUMOR, radiography/ DIAGNOSIS, DIFFERENTIAL/ DUODENAL NEOPLASMS, pathology/ *DUODENAL NEOPLASMS, physiopathology/ DUODENAL NEOPLASMS, radiography/ ENDOCRINE GLANDS, embryology/ FEMALE/ *GASTRIN, secretion/ *GLUCAGON, secretion/ HUMAN/ HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ PANCREAS, pathology/ PANCREATIC NEOPLASMS, diagnosis/ *PANCREATIC NEOPLASMS, physiopathology/ PARATHYROID NEOPLASMS, complications/ STOMACH NEOPLASMS, pathology/ *STOMACH NEOPLASMS, physiopathology/ SYNDROME/ ZOLLINGER-ELLISON SYNDROME, complications
1202. Frith DA, Snart RS: Proceedings: Evidence for translational control of protein synthesis as part of the mechanism of aldosterone action in toad bladder. J Endocrinol 59:xxx1-xxx12, Nov 73
ACTINOMYCIN, pharmacodynamics/

AUTHOR SECTION

- *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ *BLADDER, metabolism/ *BUFO MARINUS, metabolism/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ *PROTEINS, biosynthesis
1203. Frith DA, Snart RS: Effect of inhibitors of RNA and protein synthesis on the aldosterone Na⁺ transport response in toad bladder. *Experientia* 29:1200-1, 15 Oct 73
ALDOSTERONE, antagonists & inhibitors/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *BLADDER, metabolism/ BUFO MARINUS/ *CYCLOHEXIMIDE, pharmacodynamics/ *DACTINOMYCIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ RNA, antagonists & inhibitors/ *SODIUM, metabolism/ STIMULATION, CHEMICAL/ TRANSCRIPTION, GENETIC, drug effects
1204. Froehlich JE, Rachmeler M: Inhibition of cell growth in the G1 phase by adenosine 3', 5'-cyclic monophosphate. *J Cell Biol* 60:249-57, Jan 74
*CELL DIVISION, drug effects/ CELLS, CULTURED/ CONTACT INHIBITION, drug effects/ CULTURE MEDIA/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIPLOIDY/ DNA, biosynthesis/ FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ HUMAN/ KINETICS/ MITOSIS, drug effects/ MODELS, BIOLOGICAL/ PRONASE, pharmacodynamics/ SKIN, drug effects/ SKIN, metabolism/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ TRYPSIN, pharmacodynamics
1205. Froberg H, Gleich J, Kieser H: Reproduktionstoxikologische Studien mit Ascorbinsäure an Mäusen und Ratten. *Arzneim Forsch* 23:1081-2, Aug 73 (Ger)
ABNORMALITIES, DRUG-INDUCED/ ABORTION, chemically induced/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, administration & dosage/ ASCORBIC ACID, pharmacodynamics/ *ASCORBIC ACID, toxicity/ BIRTH WEIGHT, drug effects/ BODY WEIGHT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, chemically induced/ FETUS, drug effects/ GESTATIONAL AGE/ LACTATION, drug effects/ MICE/ PREGNANCY/ RATS/ *REPRODUCTION, drug effects
1206. Frolkis VV, Verzhikovskaya NV, Valueva GV: The thyroid and age. *Exp Gerontol* 8:285-96, Oct 73
*AGING/ ANIMAL EXPERIMENTS/ BASAL METABOLISM/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ IODINE, metabolism/ IODINE RADIOISOTOPES/ MALE/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, metabolism/ MYOCARDIUM, metabolism/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ RATS/ THYROID GLAND, anatomy & histology/ THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology/ THYROID HORMONES, metabolism/ THYROID HORMONES, physiology/ THYROTROPIN, pharmacodynamics/ THYROXINE, adverse effects/ THYROXINE, analysis/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, analysis
1207. Fromantin M, Molne D, Gautier D, et al: La forme céphalalgique pure du pbéobromocytome. A propos de 2 observations. *Ann Med Interne (Paris)* 124:587-90, Aug-Sep 73 (Fre)
ADRENAL GLAND NEOPLASMS, blood/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ FEMALE/ HEADACHE, blood/ *HEADACHE, etiology/ HUMAN/ MALE/ MIDDLE AGE/ OCCIPITAL LOBE/ PAIN, INTRACTABLE/ PHEOCHROMOCYTOMA, blood/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, surgery/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PULMONARY EDEMA, etiology/ TEMPORAL LOBE/ VANILMANDELIC ACID, blood
1208. Fröscher W, Vliegen J: Differentialdiagnostische Probleme spezieller Querschnittsbilder. *Med Klin* 68:1357-61, 15 Oct 73 (Ger)
ADOLESCENCE/ ARTERIAL OCCLUSIVE DISEASES, complications/ CERVICAL VERTEBRAE/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHOSARCOMA, diagnosis/ MIDDLE AGE/ MYELITIS, diagnosis/ *PARAPLEGIA, diagnosis/ POLYNEURITIS, diagnosis/ POLYNEURITIS, drug therapy/ PREDNISOLONE, therapeutic use/ SCHEUERMANN'S DISEASE, diagnosis/ SPINAL NEOPLASMS, diagnosis/ SPINE, blood supply/ TIME FACTORS
1209. Frost HM: Metabolism of bone. *N Engl J Med* 289:864-5, 18 Oct 73
*BONE AND BONES, metabolism/ OSTEOCYTES, metabolism
1210. Frost PM: Letter: Anaesthesia for repair of exomphalos: electrical interference. *Anaesthesia* 29:100, Jan 74
ALUMINUM/ *ANESTHESIA/ DIATHERMY/ ELECTRONICS, MEDICAL/ *EXOPHTHALMOS, surgery/ HUMAN/ INFANT
1211. Frowein J, Engel W, Welse HC: HCG-receptor present in the gonadotrophin insensitive Leydig cell of the immature rat. *Nature [New Biol]* 246:148-50, 5 Dec 73
AGE FACTORS/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANDROSTANES/ ANIMAL EXPERIMENTS/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ *GONADOTROPINS, CHORIONIC, metabolism/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ IODINE RADIOISOTOPES/ LEYDIG CELLS, enzymology/ *LEYDIG CELLS, metabolism/ MALE/ RADIOLOGICAL ASSAY/ RATS/ *RECEPTORS, HORMONE/ THEOPHYLLINE, pharmacodynamics
1212. Fryjordet A, Ekeland A, Moe A, et al: Cancer of the prostate in Oslo 1958-1967. *J Oslo City Hosp* 23:129-37, Aug 73
ADULT/ AGED/ CARDIOVASCULAR DISEASES, complications/ DIETHYLSTILBESTROL, therapeutic use/ DRUG THERAPY, COMBINATION/ ESTRADIOL, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROSTATECTOMY/ PROSTATIC NEOPLASMS, mortality/ PROSTATIC NEOPLASMS, surgery/ *PROSTATIC NEOPLASMS, therapy/ TIME FACTORS
1213. Fuchs MS, Schlaeger DA: The stimulation of dopa decarboxylase activity by ecdysone and its enhancement by cyclic AMP in adult mosquitoes. *Biochem Biophys Res Commun* 54:784-9, 18 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AEDES, drug effects/ *AEDES, enzymology/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOPA/ *DOPA DECARBOXYLASE, biosynthesis/ DRUG SYNERGISM/ *ECDYSONE, pharmacodynamics/ ENZYME ACTIVATION/ ENZYME INDUCTION/ FEMALE/ TIME FACTORS
1214. Fuchs U, Löbe J, Heuer HH, et al: Muskel und Niere bei experimenteller Hypothyreose. Elektornenmikroskopische Befunde. *Endokrinologie* 61:201-27, May 73 (Ger)
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CARBOHYDRATES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HYPOTHYROIDISM, metabolism/

AUTHOR SECTION

- *HYPOTHYROIDISM, pathology/ KIDNEY, metabolism/ *KIDNEY, pathology/ LIPIDS, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE/ MUCOPOLYSACCHARIDES, metabolism/ MUSCLES, metabolism/ *MUSCLES, pathology/ MYOCARDIUM, pathology/ MYOFIBRILS/ RABBITS/ RATS/ RIBOSOMES
1215. Fujii J, Seki A, Kuramochi M: Contrastive profiles in two types of renovascular hypertension in rabbits. Jap Heart J 14:445-53, Sep 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ BLOOD UREA NITROGEN/ BODY WEIGHT/ COMPARATIVE STUDY/ HEMATOCRIT/ *HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, enzymology/ HYPERTENSION, RENAL, physiopathology/ MALE/ NEPHRECTOMY/ POTASSIUM, blood/ RABBITS/ RENIN, blood/ SODIUM, blood
1216. Fujii J, Takahashi N, Kato K: The bradycardia-tachycardia syndrome. Treatment with cardiac drugs and adrenal corticosteroid. Jap Heart J 14:414-31, Sep 73
ADOLESCENCE/ AGED/ *BELLADONNA, therapeutic use/ BRADYCARDIA, complications/ *BRADYCARDIA, drug therapy/ BRADYCARDIA, physiopathology/ ELECTROCARDIOGRAPHY/ FEMALE/ HEART BLOCK, complications/ HEART BLOCK, drug therapy/ HEART CONDUCTION SYSTEM, physiopathology/ HUMAN/ IPROVERATRIL/ MALE/ MIDDLE AGE/ *ORCIPRENALINE, therapeutic use/ PACEMAKER, ARTIFICIAL/ *PREDNISOLONE, therapeutic use/ SYNDROME/ TACHYCARDIA, complications/ *TACHYCARDIA, drug therapy/ TACHYCARDIA, physiopathology
1217. Fujii S: [Insulin]
Clin Endocrinol (Tokyo) 21:761-79, Aug 73 (146 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CHEMISTRY/ GEL FILTRATION/ *INSULIN, biosynthesis/ INSULIN, metabolism/ INSULIN, physiology/ INSULIN, secretion/ LIPID MOBILIZATION/ LIPIDS, metabolism/ PROINSULIN/ RECEPTORS, HORMONE/ REVIEW
1218. Fujii T: Reappearance of cyclicity of vaginal smears in androgen-sterilized rats following thyroidectomy. Endocrinol Jap 20:425-7, Aug 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ LH, secretion/ LH-FSH RELEASING HORMONE, secretion/ *OVARY, drug effects/ PERIODICITY/ RATS/ *TESTOSTERONE, pharmacodynamics/ *THYROID GLAND, physiology/ THYROIDECTOMY/ *VAGINAL SMEARS
1219. Fujimura H, Tsurumi K, Nozaki M, et al: [Pharmacological studies on N-henzoyl-N'-phenyl-2,6-diaminobenzoic acid (F-1). 1. Anti-inflammatory action] Folia Pharmacol Jap 69:765-87, Sep 73 (Jap)
ADRENAL GLANDS, analysis/ AMINOPYRINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS/ ARTHRITIS, drug therapy/ ASCORBIC ACID, analysis/ ASPIRIN, pharmacodynamics/ *BENZOATES, pharmacodynamics/ CAPILLARY PERMEABILITY, drug effects/ CHEMISTRY/ COMPARATIVE STUDY/ DRUG SCREENING/ EDEMA, drug therapy/ ENGLISH ABSTRACT/ ERYTHEMA, drug therapy/ FLUFENAMIC ACID, pharmacodynamics/ GASTRIC MUCOSA, drug effects/ GRANULOMA, drug therapy/ MEFENAMIC ACID, pharmacodynamics/ PHENYLBUTAZONE, pharmacodynamics/ *PHENYLENEDIAMINES, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ RATS/ THYMUS GLAND, drug effects
1220. Fujita T: Effect of tetragastrin on calcium absorption from rat duodenal loop in vivo. Endocrinol Jap 20:407-10, Aug 73
- ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DUODENUM, metabolism/ GASTRIN, administration & dosage/ *GASTRIN, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ INTESTINAL ABSORPTION, drug effects/ MALE/ PARATHYROID GLANDS, physiology/ RATS/ SCINTILLATION COUNTERS/ STIMULATION, CHEMICAL/ THYROID GLAND, physiology
1221. Fujita T, Matsumoto K, Aiba S, et al: [Panel discussion: anesthesia for patients with endocrine diseases. 2] Jap J Anesthesiol 22:1017-30, Sep 73 (Jap)
ADRENAL GLAND DISEASES/ ANESTHESIA/ *ENDOCRINE DISEASES/ HUMAN/ PITUITARY DISEASES
1222. Fukuchi S, Nakajima K, Takenouchi T, et al: [In vivo metabolism of 131-I-19-cholesterol used as adrenal gland scanning agent] Folia Endocrinol Jap 49:1245-53, Oct 73 (Jap)
ADENOMA, metabolism/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ CUSHING'S SYNDROME, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HALF-LIFE/ HUMAN/ HYPERTENSION, metabolism/ *IODINE RADIOISOTOPES, diagnostic use/ MALE/ *RADIOISOTOPE SCANNING/ RATS/ THYROID GLAND, metabolism
1223. Fukui H, Taguchi K: Mixed mesodermal tumor of the ovary. Acta Pathol Jap 23:609-14, Aug 73
*ADENOCARCINOMA, pathology/ AGED/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ *NEOPLASMS, EMBRYONAL AND MIXED, pathology/ *OVARIAN NEOPLASMS, pathology/ *RHABDOMYOSARCOMA, pathology
1224. Furlanet M, Carpenedo F, Ferrari M: Effects of some isoquinoline compounds and certain derivatives on brain phosphodiesterase activity. Biochem Pharmacol 22:2642-4, 15 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BENZYL COMPOUNDS, pharmacodynamics/ *BRAIN, enzymology/ BRAIN, metabolism/ DEPRESSION, CHEMICAL/ ENZYME ACTIVATION, drug effects/ GUINEA PIGS/ IN VITRO/ *ISOQUINOLINES, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, metabolism/ PYRIDINES, pharmacodynamics
1225. Furr BJ, Onuora GI, Bonney RC, et al: The effect of synthetic hypothalamic releasing factors on plasma levels of luteinizing hormone in the cockerel. J Endocrinol 59:495-502, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ CHICKENS/ INJECTIONS, INTRAVENOUS/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ RADIOIMMUNOASSAY/ TIME FACTORS
1226. Furuhjelm M, Carlström K: Amenorrhea following use of combined oral contraceptives. Acta Obstet Gynecol Scand 52:373-9, 1973
ADOLESCENCE/ ADULT/ *AMENORRHEA, chemically induced/ AMENORRHEA, etiology/ CLOMIPHENE, therapeutic use/ CONTRACEPTIVES, ORAL, adverse effects/ DEHYDROEPIANDROSTERONE, urine/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ FSH, adverse effects/ FSH, therapeutic use/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HYPOTHALAMUS, drug effects/ LH, adverse effects/ LH, therapeutic use/ MENOTROPINS, therapeutic use/ OVARY, drug effects/ PITUITARY HORMONE RELEASING HORMONES
1227. Fylling P, Refsdal A: Rivanol-induced mid-trimester

AUTHOR SECTION

abortion (report on 200 cases).

Arch Gynaecol 215:359-63, 1973

*ABORTION, INDUCED/ ACRIDINES, administration & dosage/ ACRIDINES, adverse effects/ *ACRIDINES, therapeutic use/ ADOLESCENCE/ ADULT/ CATHETERIZATION/ CURETTAGE/ DIAMINES, administration & dosage/ DIAMINES, adverse effects/ DIAMINES, therapeutic use/ ENDOMETRITIS, chemically induced/ EXTRACTION, OBSTETRICAL/ FEMALE/ GESTATIONAL AGE/ HUMAN/ LACTATES, administration & dosage/ LACTATES, adverse effects/ LACTATES, therapeutic use/ LENGTH OF STAY/ METHODS/ PARITY/ PREGNANCY/ PROGESTERONE, blood/ SALPINGITIS, chemically induced

G

1228. Gabrilove JL, Nicolls GL, Sohval AR: Non-tumorous feminizing adrenogenital syndrome in the male subject. J Urol 110:710-3, Dec 73

ADOLESCENCE/ *ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLAND HYPERFUNCTION, diagnosis/ ADRENAL GLAND HYPERFUNCTION, pathology/ *ADRENOGENITAL SYNDROME/ ADRENOGENITAL SYNDROME, diagnosis/ ADRENOGENITAL SYNDROME, pathology/ ANDROSTENEDIONE, blood/ ANDROSTERONE, blood/ CASE REPORT/ ESTROGENS, urine/ *FEMINIZATION, etiology/ *GYNECOMASTIA, etiology/ HUMAN/ HYDROCORTISONE, urine/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS/ PREGNANETRIOL, urine/ SEX CHROMATIN/ SPERMATOGENESIS/ TESTIS, pathology/ TESTOSTERONE, blood/ TESTOSTERONE, urine

1229. Gadamski R, Lakomy M: The nuclei of the anterior part of the hypothalamus of the cow.

J Hirnforsch 14:27-41, 1973

ANIMAL EXPERIMENTS/ *CATTLE, anatomy & histology/ COMPARATIVE STUDY/ FEMALE/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, anatomy & histology/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, cytology/ NEURAL INTERCONNECTIONS/ SHEEP, anatomy & histology/ SPECIES SPECIFICITY/ SWINE, anatomy & histology

1230. Gadd RE, Clayman S, Hébert D: Inhibition of cyclic 3',5'-nucleotide phosphodiesterase activity by diuretics and other agents.

Experientia 29:1217-9, 15 Oct 73

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, enzymology/ CATTLE/ CHLOROMERCURIBENZOATES, antagonists & inhibitors/ CHLOROMERCURIBENZOATES, pharmacodynamics/ DITHIOTHREITOL, pharmacodynamics/ *DIURETICS, MERCURIAL, pharmacodynamics/ ETHACRYNIC ACID, pharmacodynamics/ ETHYLMALEIMIDE, pharmacodynamics/ GUINEA PIGS/ HUMAN/ IN VITRO/ IODOACETATES, pharmacodynamics/ METHYL MERCURY COMPOUNDS, pharmacodynamics/ *MYOCARDIUM, enzymology/ *PHOSPHODIESTERASES, antagonists & inhibitors/ PHOSPHODIESTERASES, blood/ RATS/ *SULFHYDRYL REAGENTS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TRITIUM

1231. Gajdošová D, Sedláč P, Papleníková E, et al: Zrovnání roentgenových a elektrografických obrazů amygdalohippocampového komplexu u epileptiků. Cesk Neurol Neurochir 36:377-81, Nov 73 (Slo)

ADOLESCENCE/ ADULT/ *AMYGDALOID BODY, physiotherapy/ AMYGDALOID BODY, radiography/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *EPILEPSY, TEMPORAL LOBE, physiotherapy/

EPILEPSY, TEMPORAL LOBE, radiography/

EVOKED POTENTIALS/ FEMALE/

*HIPPOCAMPUS, physiotherapy/

HIPPOCAMPUS, radiography/ HUMAN/ MALE

1232. Gal I: Possible mechanisms of human teratogenesis by imperfect potato. Humangenetik 19:311-4, 20 Sep 73

*ABNORMALITIES, etiology/ ABNORMALITIES, DRUG-INDUCED/ FEMALE/ HUMAN/ PREGNANCY/ SEX HORMONES/ *SOLANINE, adverse effects/ SPINA BIFIDA/ STEROIDS, adverse effects/ *VEGETABLES, adverse effects

1233. Gala RR, Loginsky SJ: Correlation between serum prolactin levels and incidence of mammary tumors induced by 7,12-dimethylbenz(alpha)anthracene in the rat. J Natl Cancer Inst 51:593-7, Aug 73

ANIMAL EXPERIMENTS/ *BENZANTHRACENES/ ETHYL ETHERS/ FEMALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, physiotherapy/ *PITUITARY GLAND, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ STRESS, chemically induced/ *STRESS, physiotherapy/ TIME FACTORS

1234. Galasińska-Pomyk I, Chłimionuk M: Wstępne badania nad lokalizacją miejsca wytworzenia polipeptydu-coherin, wpływającego na motorykę jelit.

Endokrynol Pol 24:429-45, Nov-Dec 73 (Pol)

ANESTHESIA/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FASTING/ FEMALE/ *GASTROINTESTINAL MOTILITY/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, secretion/ *HYPOTHALAMUS, secretion/ LACTATION/ MALE/ *NEUROSECRETION/ *PEPTIDES/ PEPTIDES, physiology/ RATS

1235. Galbraith RM, Smith M, Mackenzie RM, et al: High prevalence of seroimmunologic abnormalities in relatives of patients with active chronic hepatitis or primary biliary cirrhosis.

N Engl J Med 290:63-9, 10 Jan 74

ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ALKALINE PHOSPHATASE, blood/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ CHRONIC DISEASE/ COMPLEMENT FIXATION TESTS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GAMMA GLOBULIN, analysis/ *HEPATITIS, familial & genetic/ HEPATITIS, immunology/ HUMAN/ IMMUNOGLOBULINS, analysis/ *LIVER CIRRHOSIS, OBSTRUCTIVE, familial & genetic/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ MITOCHONDRIA, immunology/ MUSCLE, SMOOTH, immunology/ PEDIGREE/ SEX FACTORS/ THYROID GLAND, immunology

1236. Galdston R, Perimutter AD: The urinary manifestations of anxiety in child.

Pediatrics 52:818-22, Dec 73

ADOLESCENCE/ *ANXIETY, complications/ CHILD/ CHILD, PRESCHOOL/ FAMILY/ FEMALE/ HUMAN/ INTERVIEW, PSYCHOLOGICAL/ MALE/ MOTHER-CHILD RELATIONS/ PSYCHOTHERAPY/ PUBERTY/ URETHRAL STRICTURE, complications/ URINARY TRACT INFECTIONS, etiology/ *URINATION DISORDERS, etiology

1237. Galeeva MG: Изменение содержания кальция, магния и неорганического фосфора в крови и моче у больных гипертонической болезнью при лечении гипотиазидом и селенитом магnezia.

Kardiologiya 13:137-9, Jan 73 (Rus)

ADULT/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM, urine/ HUMAN/ *HYDROCHLOROTHIAZIDE, therapeutic use/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ HYPERTENSION, metabolism/ HYPERTENSION, urine/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MAGNESIUM, urine/ *MAGNESIUM SULFATE, therapeutic use/ MIDDLE AGE/ PHOSPHORUS, blood/

AUTHOR SECTION

- *PHOSPHORUS, metabolism/ PHOSPHORUS, urine
1238. Gallagher JC, Wilkinson R: The effect of ethinyloestradiol on calcium and phosphorus metabolism of post-menopausal women with primary hyperparathyroidism.
Clin Sci Mol Med 45:785-802, Dec 73
AGED/ ALKALINE PHOSPHATASE, blood/
BLOOD PROTEINS, analysis/ BONE
RESORPTION, drug effects/ *CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
CREATININE, blood/ DIET/ *ETHINYL
ESTRADIOL, therapeutic use/ FASTING/
FECEs, analysis/ FEMALE/ HUMAN/
HYDROXYPROLINE, urine/
*HYPERPARATHYROIDISM, drug therapy/
*MENOPAUSE/ MIDDLE AGE/
PHOSPHORUS, metabolism/ URINE, analysis
 1239. Gallant S, Brownie AC: The in vivo effect of indomethacin and prostaglandin E2 on ACTH and DBCAMP-induced steroidogenesis in hypophysectomized rats.
Biochem Biophys Res Commun 55:831-6, 10 Dec 73
ALLOSTERIC REGULATION/ ANIMAL
EXPERIMENTS/ COMPARATIVE STUDY/
*CORTICOSTERONE, biosynthesis/
CORTICOSTERONE, blood/ *CORTICOTROPIN,
pharmacodynamics/ *DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ FEMALE/
HYPOPHYSECTOMY/ INDOMETHACIN,
pharmacodynamics/ PITUITARY GLAND,
physiology/ *PROTAGLANDINS,
pharmacodynamics/ RATS/ SPECTROMETRY,
FLUORESCENCE/ TIME FACTORS
 1240. Galloway DB: Proceedings: The responses of the ram to synthetic luteinizing hormone releasing factor (LH-RH) injection. J Reprod Fertil 35:601, Dec 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *LH, blood/ *LH-FSH
RELEASING HORMONE, pharmacodynamics/
MALE/ SHEEP/ STIMULATION, CHEMICAL
 1241. Galvan G, Pohl G: Die Abklärung kalter Knoten in endemischen Strumen durch Feinnadelbiopsie und zytologische Untersuchungen.
Acta Endocrinol [Suppl] (Kbh) 73-4, 1973 (Ger)
BIOPSY, NEEDLE/ *GOITER, NODULAR,
pathology/ HUMAN/ METHODS/ *THYROID
GLAND, pathology/ THYROID NEOPLASMS,
pathology/ THYROIDITIS, pathology/
THYROIDITIS, LYMPHOMATOUS, pathology
 1242. Galvan G, Pohl GB: Feinnadelpunktion und zytologische Auswertung von 2523 kalten Strumaknoten.
Dtsch Med Wochenschr 98:2107-10, 9 Nov 73 (Ger)
ADENOMA, diagnosis/ *BIOPSY, NEEDLE/
BRANCHIOMA, diagnosis/ CARCINOMA,
diagnosis/ ENGLISH ABSTRACT/ FALSE
NEGATIVE REACTIONS/ *GOITER,
NODULAR, diagnosis/ GOITER, NODULAR,
surgery/ HUMAN/ METHODS/
POSTOPERATIVE CARE/ THYROID
DISEASES, diagnosis/ THYROID DISEASES,
pathology/ THYROID NEOPLASMS, diagnosis/
THYROIDITIS, LYMPHOMATOUS, diagnosis
 1243. Gandelman R: Reduction of maternal nest building in female mice by testosterone propionate treatment.
Dev Psychobiol 6:539-46, Nov 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ FEMALE/ MALE/ MATERNAL
BEHAVIOR, drug effects/ MICE/ *NESTING
BEHAVIOR, drug effects/ PARITY/
PREGNANCY/ PROGESTERONE,
pharmacodynamics/ *TESTOSTERONE,
pharmacodynamics
 1244. Gandz AS: Iodnala profilaktika endemicheskogo zoba.
Sov Med 36:145, Mar 73 (Rus)
*GOITER, ENDEMIC, prevention & control/
HUMAN/ *IODIDES, therapeutic use/
POPULATION SURVEILLANCE/ USSR
 1245. Ganea E: Colagenul in afectiuni endocrine cu interesare osoasa.
Stud Cercet Endocrinol 24:473-82, 1973 (Rum)
 - ACROMEGALY, complications/ BONE AND
BONES, metabolism/ *BONE DISEASES,
etiology/ *COLLAGEN, metabolism/
*COLLAGEN DISEASES, etiology/ DWARFISM,
PITUITARY, complications/ *ENDOCRINE
DISEASES, complications/ HUMAN/
HYDROXYPROLINE, metabolism/
HYPERPARATHYROIDISM, complications/
HYPERTHYROIDISM, complications/
HYPOTHYROIDISM, complications/
SOMATOTROPIN, metabolism
 1246. Ganguly A, Gribble J, Tune B, et al: Renin-secreting Wilms' tumor with severe hypertension. Report of a case and brief review of renin-secreting tumors.
Ann Intern Med 79:835-7, Dec 73
ALDOSTERONE, urine/ CASE REPORT/
CHILD, PRESCHOOL/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/ *HYPERTENSION,
etiology/ KIDNEY, pathology/ *KIDNEY
NEOPLASMS, complications/ KIDNEY
NEOPLASMS, pathology/ MALE/
*NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ *NEPHROBLASTOMA,
complications/ NEPHROBLASTOMA, pathology/
RADIOIMMUNOASSAY/ RENIN, blood/
*RENIN, secretion
 1247. Ganina KP, Lysiuk LP, Polishchuk LZ: Obosnovanie issledovaniya polovogo khromatina v kachestve dopolnitel'nogo priznaka biologicheskoi aktivnosti raka molochnoi zhelezy. Lab Delo 5:266-8, 1973 (Rus)
*BREAST NEOPLASMS, familial & genetic/
BREAST NEOPLASMS, pathology/ FEMALE/
HUMAN/ *SEX CHROMATIN, analysis
 1248. Ganjam VK, Amann RP: Testosterone and dihydrotestosterone concentrations in the fluid milieu of spermatozoa in the reproductive tract of the bull. Acta Endocrinol (Kbh) 74:186-200, Sep 73
ANDROGENS, analysis/ ANDROGENS, blood/
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ CATTLE/ GEL FILTRATION/
MALE/ METHODS/ *SEMEN, analysis/
SPECTRUM ANALYSIS, MASS/ *STANOLONE,
analysis/ STANOLONE, blood/ *TESTIS,
analysis/ *TESTOSTERONE, analysis/
TESTOSTERONE, blood/ TRITIUM
 1249. Garber N, Lupowitz-Donenfeld B: The effect of thyroxine and triiodothyronine on bacterial growth.
Can J Microbiol 19:1401-5, Nov 73
CALCIUM, pharmacodynamics/
COLORIMETRY/ COMPARATIVE STUDY/
EDTA, pharmacodynamics/ GRAM NEGATIVE
BACTERIA, drug effects/ *GRAM NEGATIVE
BACTERIA, growth & development/ GRAM
POSITIVE BACTERIA, drug effects/ *GRAM
POSITIVE BACTERIA, growth & development/
IRON, pharmacodynamics/ MANGANESE,
pharmacodynamics/ POTASSIUM IODIDE,
pharmacodynamics/ SERUM ALBUMIN,
BOVINE, pharmacodynamics/ SPECIES
SPECIFICITY/ STEREOISOMERS/
*THYROXINE, pharmacodynamics/
*TRIIODOTHYRONINE, pharmacodynamics
 1250. Garcia-Bengochea F: Letter: Effect of steroids on CSF flow. J Neurosurg 40:279-80, Feb 74
ANIMAL EXPERIMENTS/ CATS/
*CEREBROSPINAL FLUID, drug effects/
*CORTISONE, pharmacodynamics/
*DEXAMETHASONE, pharmacodynamics
 1251. Garcia Ramos J, Ibarra BH: Studies on the mechanism of learning. II. On the ionic nature of the dendritic action potentials and mescaline spikes.
Acta Physiol Lat Am 23:202-12, 1973
ANIMAL EXPERIMENTS/ CALCIUM,
metabolism/ *CALCIUM, physiology/ CATS/
CEREBRAL CORTEX, drug effects/
CEREBRAL CORTEX, metabolism/
*CEREBRAL CORTEX, physiology/
DENDRITES, physiology/ DEPRESSION,
CHEMICAL/ EDTA, pharmacodynamics/
ELECTRIC STIMULATION/
ELECTROENCEPHALOGRAPHY/ EVOKED
POTENTIALS/ LANTHANUM,
pharmacodynamics/ *LEARNING/
MANGANESE, pharmacodynamics

AUTHOR SECTION

- *Mescaline, pharmacodynamics/
PYRAMIDAL TRACTS, physiology/
RUTHENIUM, pharmacodynamics/ SYNAPTIC
MEMBRANES/ TETRODOTOXIN,
pharmacodynamics
1252. Gardner JD, Klaeveman HL, Bilezikian JP, et al: Effects of ouabain on catecholamine-stimulated sodium transport in turkey erythrocytes. *J Biol Chem* 249:518-20, 25 Jan 74
ADENINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, enzymology/ *ERYTHROCYTES, metabolism/ INOSINE, pharmacodynamics/ ISOPROTERENOL, administration & dosage/ *ISOPROTERENOL, pharmacodynamics/ *OUABAIN, pharmacodynamics/ POTASSIUM/ RADIOISOTOPES/ *SODIUM, metabolism/ SODIUM ISOTOPES/ TURKEYS
1253. Gardner RJ, Veale AM, Parslow MI, et al: A survey of 972 cytogenetically examined cases of Down's syndrome. *NZ Med J* 78:403-9, 14 Nov 73
ADULT/ ANEUPLOIDY/ CHILD, PRESCHOOL/ *CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, complications/ MALE/ MATERNAL AGE/ MIDDLE AGE/ MONGOLISM, complications/ *MONGOLISM, familial & genetic/ MONGOLISM, occurrence/ MOSAICISM/ NEW ZEALAND
1254. Garells E, Neff NH: Cyclic adenosine monophosphate: selective increase in caudate nucleus after administration of L-dopa. *Science* 183:532-3, 8 Feb 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ *CAUDATE NUCLEUS, metabolism/ CEREBELLUM, metabolism/ DOPA, administration & dosage/ DOPA, antagonists & inhibitors/ *DOPA, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INJECTIONS, INTRAPERITONEAL/ MALE/ RATS/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ STIMULATION, CHEMICAL
1255. Garrison BM, Bo WJ, Krueger WA: The influence of estradiol-17 beta dipropionate-progesterone ratios on uterine glycogen in the rat. *Steroids* 22:659-65, Nov 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CASTRATION/ COMPARATIVE STUDY/ COMPUTERS, DIGITAL/ DRUG SYNERGISM/ ESTRADIOL, administration & dosage/ ESTRADIOL, antagonists & inhibitors/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GLYCOGEN, biosynthesis/ ORGAN WEIGHT/ OVARY, physiology/ PROGESTERONE, administration & dosage/ *PROGESTERONE, pharmacodynamics/ PROPIONATES/ RATS/ UTERUS, drug effects/ *UTERUS, metabolism
1256. Garrison JC, Haynes RC Jr: Hormonal control of glycogenolysis and gluconeogenesis in isolated rat liver cells. *J Biol Chem* 248:5333-43, 10 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CELLS, CULTURED/ COMPARATIVE STUDY/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *EPINEPHRINE, pharmacodynamics/ FASTING/ *GLUCAGON, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ *GLYCOGEN, metabolism/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ KINETICS/ LACTATES, metabolism/ LACTATES, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ OXYGEN CONSUMPTION/ PERFUSION/ PYRUVATES, metabolism/ RATS/ TIME FACTORS/ TRITIUM
1257. Garrod DR, Malkinson AM: Cyclic AMP, pattern formation and movement in the slime mould, *Dictyostellum discoideum*. *Exp Cell Res* 81:492-5, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BINDING SITES/ CELL AGGREGATION/ CHEMOTAXIS/ DNA, analysis/ MYXOMYCETES, analysis/ MYXOMYCETES, enzymology/ *MYXOMYCETES, metabolism/ MYXOMYCETES, physiology/ PHOSPHODIESTERASES, metabolism/ PROTEIN BINDING/ RECEPTORS, DRUG
1258. Gartler SM, Liskay RM, Gant N: Two functional X chromosomes in human fetal oocytes. *Exp Cell Res* 82:484-6, Dec 73
CELLULOSE/ ELECTROPHORESIS/ FEMALE/ *FETUS, metabolism/ *GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ HETEROZYGOTE/ HUMAN/ LIVER, enzymology/ OVARY, enzymology/ *OVUM, cytology/ PREGNANCY/ *SEX CHROMOSOMES
1259. Gärtner K, Reznik-Schüller H, Reznik G: The influence of overcrowding on spermatogenesis, size of Leydig-cell nuclei (histometrical investigation), and the adrenal corticosterone contents in mice. *Acta Endocrinol (Khh)* 74:783-91, Dec 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL NUCLEUS/ *CORTICOSTERONE, metabolism/ *CROWDING/ HOUSING, ANIMAL/ *LEYDIG CELLS/ MALE/ MICE/ *SPERMATOGENESIS/ STRESS, PSYCHOLOGICAL/ TESTIS, analysis/ *TESTIS, anatomy & histology/ TESTIS, secretion
1260. Garvey M, Mutton DE: Sex chromosome aberrations and speech development. *Arch Dis Child* 48:937-41, Dec 73
ADAPTATION, PSYCHOLOGICAL/ ANEUPLOIDY/ CHILD/ CHILD, PRESCHOOL/ COMMUNICATION/ HUMAN/ INTELLIGENCE/ KARYOTYPING/ LANGUAGE DEVELOPMENT/ MALE/ MOSAICISM/ PSYCHOLINGUISTICS/ SEX CHROMATIN/ *SEX CHROMOSOME ABNORMALITIES, complications/ *SPEECH DISORDERS, etiology
1261. Gasińska T: Pierwotna osteoporoza: patogeneza, rozpoznawanie i leczenie. *Pol Tyg Lek* 28:1984-7, 10 Dec 73 (35 ref.) (Pol)
AGE FACTORS/ ALKALINE PHOSPHATASE, urine/ BONE AND BONES, enzymology/ CALCITONIN, secretion/ CALCIUM, metabolism/ HUMAN/ INTESTINAL ABSORPTION/ MENOPAUSE/ *OSTEOPOROSIS/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, therapy/ PARATHYROID HORMONE, secretion/ REVIEW/ SEX FACTORS/ VITAMIN D DEFICIENCY, complications
1262. Gasińska T, Mazanek E, Zalewski J: Zahurzenia gospodarki wapniowo-fosforanowej w chroble Addisona. *Endokrynol Pol* 24:265-72, Jul-Aug 73 (Pol)
ADDISON'S DISEASE, complications/ *ADDISON'S DISEASE, metabolism/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ MALE/ MIDDLE AGE/ *PHOSPHATES, metabolism
1263. Gaskell RM, Povey RC: Re-excretion of feline viral rhinotracheitis virus following corticosteroid treatment. *Vet Rec* 93:204-5, 18 Aug 73
*ADRENAL CORTEX HORMONES, administration & dosage/ ANIMAL EXPERIMENTS/ *CAT DISEASES,

AUTHOR SECTION

- microbiology/ CATS/ CONJUNCTIVITIS, veterinary/ DEXAMETHASONE, administration & dosage/ *HERPESVIRUS, isolation & purification/ MOUTH, microbiology/ PHARYNX, microbiology/ PREDNISOLONE, administration & dosage/ RESPIRATORY TRACT INFECTIONS, microbiology/ *RESPIRATORY TRACT INFECTIONS, veterinary
1264. Gaspard U, Sandront H, Lambotte R: Contrôle glycémique des taux sériques maternels de l'hormone chorionique somatomammotrope (HCS) au cours de la grossesse.
Acta Paediatr Belg 27:218-30, 1973 (Fre)
ADULT/ *BLOOD SUGAR, physiology/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PLACENTAL HORMONES, blood/ PLACENTAL HORMONES, metabolism/ PLACENTAL HORMONES, physiology/ *PREGNANCY/ *PREGNANCY, MULTIPLE/ *SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism
1265. Gasquet P de, Pequignot E: Changes in adipose tissue and heart lipoprotein lipase activities and in serum glucose, insulin and corticosterone concentrations in rats adapted to a daily meal.
Horm Metab Res 5:440-3, Nov 73
*ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR, analysis/ BODY WEIGHT/ *CORTICOSTERONE, blood/ DIET/ *INSULIN, blood/ *LIPOPROTEIN LIPASE, metabolism/ MALE/ *MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS
1266. Gasser G, Luger A, Ita H, et al: Wirkung von hochdosiertem Vitamin A auf das Kelmepithel der Ratte. Andrologie 5:113-7, 1973 (Ger)
ANIMAL EXPERIMENTS/ CELL COUNT/ CELL MOVEMENT, drug effects/ CITRATES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ EPITHELIUM, drug effects/ FRUCTOSE, metabolism/ GERM CELLS, drug effects/ HUMAN/ MALE/ PSORIASIS, drug therapy/ RATS/ SERTOLI CELLS, drug therapy/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, cytology/ SPERMATOZOA, drug effects/ TESTIS, pathology/ TESTOSTERONE, blood/ VITAMIN A, administration & dosage/ *VITAMIN A, pharmacodynamics/ VITAMIN A, therapeutic use
1267. Gasser G, Strassl R, Pokieser H: Thermogram des Hodens und Spermogramm.
Andrologie 5:127-31, 1973 (Ger)
BODY TEMPERATURE/ CELL MOVEMENT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ METHODS/ SPERMATOZOA, physiology/ TESTIS, physiology/ THERMOGRAPHY/ *VARICOCELE, diagnosis/ VARICOCELE, physiology/ VARICOCELE, surgery
1268. Gaston SR: A history of The American Association for the Surgery of Trauma.
Surg Clin North Am 53:1305-26, Dec 73
ACCIDENTS, TRAFFIC, prevention & control/ BONE AND BONES, surgery/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ LEGISLATION, history/ MANUSCRIPTS, MEDICAL/ RESEARCH, history/ *SOCIETIES, MEDICAL, history/ *SURGERY, history/ UNITED STATES/ WOUNDS AND INJURIES, history/ *WOUNDS AND INJURIES, surgery
1269. Gee JK: Therapeutic use of corticosteroids in dentistry. A review. NY State Dent J 40:89-96, Feb 74
*ADRENAL CORTEX HORMONES, therapeutic use/ DENTAL PULP DISEASES, drug therapy/ ENDODONTICS/ HUMAN/ *MOUTH DISEASES, drug therapy/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use/ REVIEW/ ROOT CANAL THERAPY/ SURGERY, ORAL
1270. Gelger W: Radioimmunological determination of human chorionic gonadotropin, human placental lactogen, growth hormone and thyrotropin in the serum of mother and child during the early puerperium. Horm Metab Res 5:342-6, Sep 73
ANTI-ANTIBODIES/ COMPARATIVE STUDY/ FEMALE/ GOATS, immunology/ *GONADOTROPINS, CHORIONIC, blood/ GUINEA PIGS, immunology/ HALF-LIFE/ HUMAN/ INFANT, NEWBORN/ PERISSODACTYLA, immunology/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PUERPERIUM/ RABBITS, immunology/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood/ *THYROTROPIN, blood/ TIME FACTORS
1271. Gels WP, Popovtzer MM, Corman JL, et al: The diagnosis and treatment of hyperparathyroidism after renal homotransplantation.
Surg Gynecol Obstet 137:997-1010, Dec 73
ADOLESCENCE/ ADULT/ CALCIUM, blood/ CALCIUM, therapeutic use/ CHILD/ CREATINE, metabolism/ HUMAN/ HYPERCALCEMIA, drug therapy/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, drug therapy/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, surgery/ HYPERPLASIA/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, surgery/ METHODS/ MIDDLE AGE/ PARATHYROID GLANDS, surgery/ PARATHYROID GLANDS, transplantation/ PHOSPHATES, therapeutic use/ PHOSPHORUS, blood/ PREDNISONE, administration & dosage/ PREDNISONE, pharmacodynamics/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS
1272. Gelfand JA, Frank MM: Letter: Renal failure in paroxysmal hemoglobinuria. JAMA 227:440, 28 Jan 74
CALCIUM, metabolism/ HEMODIALYSIS/ *HEMOGLOBINURIA, PAROXYSMAL, complications/ HUMAN/ *KIDNEY FAILURE, CHRONIC, complications/ MAGNESIUM, metabolism
1273. Geller M, Pohorille A, Jaworski A: Electronic structure of thioracils and their interaction with adenine. Blochim Biophys Acta 331:1-8, 26 Nov 73
*ADENINE/ CHEMISTRY/ CRYSTALLOGRAPHY/ ELECTRONS/ MOLECULAR CONFORMATION/ OXYGEN/ QUANTUM THEORY/ *THIOURACIL
1274. Gembliski M, Gembliska D, Mąkowska K, et al: Przydatność kliniczna oznaczania poziomu tyroksyny w surowicy krwi.
Endokrynol Pol 24:473-7, Nov-Dec 73 (Pol)
ENGLISH ABSTRACT/ HUMAN/ THYROID DISEASES, blood/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, physiology/ THYROID GLAND, physiology/ *THYROXINE, blood
1275. Genssenjäger E, Locher J, Hensch J: Autonomes adenom und karzinom der schilddrüse.
Praxis 62:1542-4, 11 Dec 73 (Ger)
*ADENOMA, complications/ ADENOMA, pathology/ ADENOMA, radiography/ ADENOMA, surgery/ ADULT/ AIRWAY OBSTRUCTION, etiology/ *CARCINOMA, complications/ CARCINOMA, pathology/ CARCINOMA, radiography/ CARCINOMA, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES/ RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, radiography/ THYROID NEOPLASMS, surgery
1276. Gemzell C: Induction of ovulation in patients following removal of a pituitary adenoma.
Am J Obstet Gynecol 117:955-61, 1 Dec 73
ADENOMA, CHROMOPHOBE, radiotherapy/ *ADENOMA, CHROMOPHOBE, surgery/ *ADENOMA, EOSINOPHILIC, surgery/ ADULT/ ESTROGENS, urine/ FEMALE/ *GONADOTROPINS, therapeutic use/

AUTHOR SECTION

- GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, therapeutic use/ GONADOTROPINS, PITUITARY, administration & dosage/ GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ INJECTIONS, INTRAMUSCULAR/ MENOTROPINS, administration & dosage/ MENOTROPINS, therapeutic use/ *OVULATION, drug effects/ PITUITARY NEOPLASMS, radiotherapy/ *PITUITARY NEOPLASMS, surgery/ *POSTOPERATIVE COMPLICATIONS, drug therapy/ PREGNANCY/ PROGESTERONE, blood/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology/ THYROID HORMONES, therapeutic use
1277. Genkova P, Kolarov P, Dokumov S, et al: Genitainata funktsia pri bojni s gonadna disgenezilla s zhenski fenotip. Akush Ginekol (Sofia) 12:289-93, 1973 (Bul) ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARY, abnormalities/ *TURNER'S SYNDROME, classification
1278. Gennes JL de, Bigorie B, Bertrand C, et al: Antidiuretic effect of clofibrate in therapy of diabetes insipidus. Horm Metab Res 5:461-6, Nov 73 ADULT/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ CLOFIBRATE, pharmacodynamics/ *CLOFIBRATE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ *DIURESIS, drug effects/ DRUG SYNERGISM/ FEMALE/ GONADOTROPINS, PITUITARY, physiology/ HUMAN/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ PITUITARY GLAND, drug effects/ PLACEBOS/ POLYURIA, diagnosis/ SOMATOTROPIN, blood/ THYROID GLAND, drug effects/ TIME FACTORS/ VASOPRESSIN, therapeutic use
1279. Gennings JN, Gower DB, Bannister LH: Proceedings: Studies on the metabolism of the odoriferous ketones, 5alpha-androst-16-en-3-one and androsta-4,16-dien-3-one, by the nasal epithelium of the mature and immature sow. J Endocrinol 59:xxxvii, Nov 73 *ANDROGENS, metabolism/ *ANDROSTENES, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ KETOSTEROIDS, metabolism/ *NASAL MUCOSA, metabolism/ PHEROMONES, metabolism/ *SWINE, metabolism
1280. Genovese E, Zonta N, Mantegazza P: Decreased antinociceptive activity of morphine in rats pretreated intraventricularly with 5,6-dihydroxytryptamine, a long-lasting selective depletor of brain serotonin. Psychopharmacologia 32:359-64, 15 Oct 73 ANIMAL EXPERIMENTS/ BRAIN, metabolism/ CEREBRAL VENTRICLES/ INJECTIONS/ MALE/ *MORPHINE, antagonists & inhibitors/ *NERVE ENDINGS, drug effects/ RATS/ *REACTION TIME, drug effects/ RECEPTORS, NEURAL, drug effects/ SEROTONIN, metabolism/ TRYPTAMINES, administration & dosage/ *TRYPTAMINES, pharmacodynamics
1281. Geoghegan J, Heffernan A: Letter: Assay of plasma-renin activity. Lancet 2:1451-2, 22 Dec 73 ANGIOTENSIN, blood/ COMPARATIVE STUDY/ DIMERCAPROL, diagnostic use/ DRUG INDUSTRY/ RADIOIMMUNOASSAY/ *RENIN, blood
1282. Gerich JE, Schneider V, Dilpe SE, et al: Characterization of the glucagon response to hypoglycemia in man. J Clin Endocrinol Metab 38:77-82, Jan 74 *BLOOD SUGAR, metabolism/ FEMALE/ *GLUCAGON, blood/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ *HYPOGLYCEMIA, blood/ IMMUNE SERUMS/ INSULIN, diagnostic use/ MALE/ SOMATOTROPIN, blood/ TIME FACTORS
1283. Gerlach Z, Gerlach A: Przypadek hąłlowca tarczycy. Wiad Lek 26:2191-3, 1 Dec 73 (Pol) ADULT/ DIAGNOSIS, SURGICAL/ *ECHINOCOCCOSIS, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *THYROID DISEASES, diagnosis
1284. Germaniuk IaL, Sidorenko DS: Vplyv hanatarazovykh in'lektisl hidrokortyzonu v polednanni z RNK na ohminbiliv v orhanakh sheburiv. Ukr Biokhim Zb 45:428-31, Jul-Aug 73 (Ukr) ALANINE, administration & dosage/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ ENGLISH ABSTRACT/ *HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ LIVER, metabolism/ METHIONINE, administration & dosage/ MUSCLES, metabolism/ *PROTEINS, metabolism/ RATS/ *RNA, administration & dosage/ SPLEEN, metabolism/ SULFUR RADIOISOTOPES/ YEASTS, cytology
1285. Germino NI, Obanian C, Gastel MT, et al: Effect of experimental cryptorchism on testis L-lditol: NAD oxidoreductase (sorbitol dehydrogenase or ketose-reductase). Histochemie 37:19-22, 3 Oct 73 ALCOHOL OXIDOREDUCTASES, analysis/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ *CRYPTORCHISM, enzymology/ HISTOCYTOCHEMISTRY/ MALE/ RATS/ SORBITOL/ SPERMATOZOA, enzymology/ *TESTIS, enzymology
1286. Gerner EW, Humphrey RM: The cell-cycle phase synthesis of non-histone proteins in mammalian cells. Biochim Biophys Acta 331:117-27, 28 Nov 73 CELL DIVISION/ CELL FRACTIONATION/ CELLS, CULTURED/ CHROMATIN, analysis/ CHROMATIN, hiosynthesis/ DNA, hiosynthesis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HAMSTERS/ HISTONES, analysis/ KINETICS/ LEUCINE, metabolism/ MITOSIS/ *NUCLEOPROTEINS, hiosynthesis/ OVARY, metabolism/ SODIUM DODECYL SULFATE/ THYMIDINE, metabolism/ TRITIUM/ TRYPTOPHAN, metabolism
1287. Gerschfeld HM, Paupardin-Tritsch D: Proceedings: Excitatory and inhibitory monosynaptic actions mediated by a serotonin containing neurone in Aplysia californica. J Physiol (Lond) 234:28P-29P, Oct 73 ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ DIMETHYLAMINES, pharmacodynamics/ ELECTRIC CONDUCTIVITY/ ELECTRIC STIMULATION/ HALLUCINOGENS, pharmacodynamics/ INDOLES, pharmacodynamics/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ METHYL ETHERS, pharmacodynamics/ *MOLLUSCA, physiology/ NEURAL INHIBITION/ NEURAL TRANSMISSION/ *NEURONS, physiology/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, physiology/ SYNAPSES, drug effects/ TETRAETHYLAMMONIUM COMPOUNDS, physiology/ TUBOCURARINE, pharmacodynamics
1288. Gervaziev VB, Perfil'ev AP: Vnutrikostnoe davlenie u hol'nykh ohliterirulushchimi zabolivaniami arterii nizhnikh konechnostei. Klin Khir 6:73-5, Jun 73 (Rus) ADULT/ AGED/ *ARTERIOSCLEROSIS OBLITERANS, physiopathology/ *BONE AND BONES, physiopathology/ COLLATERAL CIRCULATION/ *ENDARTERITIS, physiopathology/ HUMAN/ *LEG, blood supply/ METHODS/ MICROCIRCULATION/ MIDDLE AGE/ PRESSURE
1289. Gerzanich II: Reaktsiia lader peredn'oho hipotalamusa na vplyv hipoksii. Fiziol Zh 19:667-74, Sep-Oct 73 (Ukr) ALTITUDE/ ANIMAL EXPERIMENTS/ *ANOXIA, physiopathology/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ MALE/ NEUROSECRETORY SYSTEMS, physiology/ RATS/ *THALAMIC NUCLEI, physiology

AUTHOR SECTION

1290. Gharib H: Triiodothyronine. Physiological and clinical significance. JAMA 227:302-4, 21 Jan 74
BLOOD PROTEINS, metabolism/ FEMALE/
HALF-LIFE/ HUMAN/ MALE/ PREGNANCY/
THYROID DISEASES, blood/ *THYROID
DISEASES, diagnosis/ THYROID DISEASES,
physiopathology/ THYROID GLAND, secretion/
THYROID GLAND FUNCTION TESTS/
THYROXINE, blood/ THYROXINE,
metabolism/ THYROXINE-BINDING PROTEIN/
TRIIODOTHYRONINE, biosynthesis/
*TRIIODOTHYRONINE, blood/
TRIIODOTHYRONINE, isolation & purification/
TRIIODOTHYRONINE, physiology
1291. Ghezzi D, Samanin R, Bernasconi S, et al: Effect of
thymoleptics on fenfluramine-induced depletion of
brain serotonin in rats.
Eur J Pharmacol 24:205-10, Nov 73
ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE
AGENTS, pharmacodynamics/ APPETITE, drug
effects/ BRAIN, drug effects/ *BRAIN,
metabolism/ BRAIN STEM, metabolism/
DEPRESSION, CHEMICAL/ DESIPRAMINE,
pharmacodynamics/ DIBENZAZEPINES,
pharmacodynamics/ DIENCEPHALON,
metabolism/ FEMALE/ *FENFLURAMINE,
pharmacodynamics/ IMIPRAMINE,
pharmacodynamics/ PROPYLAMINES,
pharmacodynamics/ RATS/ *SEROTONIN,
metabolism/ TELENCEPHALON, metabolism/
TIME FACTORS/ *TRANQUILIZING AGENTS,
pharmacodynamics
1292. Ghizelea G, Ozeranschi L: Influența pesticidelor
carbamice, zineh și tiuram, asupra ciclului estral și a
capacității de reproducere a șobolanului alb.
Stud Cercet Endocrinol 24:491-501, 1973 (Rum)
ANIMAL EXPERIMENTS/ *CARBAMATES,
pharmacodynamics/ *ESTRUS, drug effects/
FERTILITY, drug effects/ *FUNGICIDES,
INDUSTRIAL, pharmacodynamics/
GONADOTROPINS, PITUITARY, biosynthesis/
MENSTRUATION, drug effects/ ORGAN
WEIGHT/ *PESTICIDES, pharmacodynamics/
PITUITARY GLAND, drug effects/ RATS/
*REPRODUCTION, drug effects/
*THIOCARBAMATES, pharmacodynamics/
THIRAM, pharmacodynamics/ UTERUS, drug
effects/ ZINEB, pharmacodynamics
1293. Giannopoulos G: A specific glucocorticoid binding
macromolecule of rabbit uterine cytosol.
Biochem Biophys Res Commun 54:600-6, 18 Sep 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
BINDING SITES/ CELL NUCLEUS,
metabolism/ CENTRIFUGATION, DENSITY
GRADIENT/ CHARCOAL/ COMPARATIVE
STUDY/ CYTOSOL, metabolism/
*DEXAMETHASONE, metabolism/ FEMALE/
KINETICS/ MACROMOLECULAR SYSTEMS/
RABBITS/ RATS/ *RECEPTORS, HORMONE/
SPECIES SPECIFICITY/ TRITIUM/ UTERUS,
cytology/ *UTERUS, metabolism
1294. Glauqinto S: Sleep recordings from limbic structures in
man. Confin Neurol 35:285-303, 1973
ADULT/ AMYGDALOID BODY, physiology/
COMPUTERS, DIGITAL/ ELECTRODES,
IMPLANTED/ ELECTROENCEPHALOGRAPHY/
ELECTROPHYSIOLOGY/ EPILEPSY,
TEMPORAL LOBE, physiopathology/
HIPPOCAMPUS, physiology/ HUMAN/
*LIMBIC SYSTEM, physiology/ MIDDLE AGE/
*SLEEP/ SLEEP, REM/ SLEEP STAGES
1295. Gibbons RA, Boyd LJ, Dixon SN, et al: Chemical and
physical characteristics of the macromolecular
components of the cervical mucus from cows after
synchronization of oestrus with melengestrol acetate.
J Reprod Fertil 35:469-76, Dec 73
ANIMAL EXPERIMENTS/ CATTLE/
CENTRIFUGATION/ *CERVIX MUCUS,
analysis/ ELECTROPHORESIS, DISC/
ESTRUS, drug effects/ FEMALE/
*GLYCOPROTEINS, analysis/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ MELENGESTROL,
pharmacodynamics/ MOLECULAR WEIGHT/
- NEURAMINIC ACIDS, analysis/
*PREGNADIENES, pharmacodynamics/
*PREGESTATIONAL HORMONES,
pharmacodynamics/ *PROTEINS, analysis/
SULFATES, analysis/ TRANSFERRIN, analysis/
ULTRACENTRIFUGATION
1296. Glibori G, Kralcer PF: Studies on the blockade of
progesterone secretion by grafted corpora lutea in
the pregnant rat. J Reprod Fertil 35:553-5, Dec 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM,
enzymology/ CORPUS LUTEUM, metabolism/
CORPUS LUTEUM, secretion/ *CORPUS
LUTEUM, transplantation/ FEMALE/
HYDROXYSTEROID DEHYDROGENASES,
metabolism/ PREGNANCY/ *PREGNANCY,
ANIMAL/ PREGNENOLONE, metabolism/
PROGESTERONE, biosynthesis/
*PROGESTERONE, secretion/ RATS/
TRANSPLANTATION, AUTOLOGOUS/
TRANSPLANTATION, HOMOLOGOUS
1297. Gicquel JP, Luton JP, Laudat P, et al: Le dosage du
cortisol libre urinaire. Son intérêt dans le syndrome
de Cushing. Nouv Presse Med 2:2683-4, 10 Nov 73 (Fre)
ADENOCARCINOMA, diagnosis/ ADENOMA,
diagnosis/ ADRENAL GLAND DISEASES,
diagnosis/ ADRENAL GLAND NEOPLASMS,
diagnosis/ CHROMATOGRAPHY, THIN
LAYER/ CIRCADIAN RHYTHM/ CUSHING'S
SYNDROME, complications/ *CUSHING'S
SYNDROME, urine/ DEXAMETHASONE,
diagnostic use/ FEMALE/ HUMAN/
*HYDROCORTISONE, urine/ HYPERPLASIA,
diagnosis/ NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES, diagnosis/ OBESITY, etiology/
VIRILISM, etiology
1298. Gildaly M, Gorgan V, Opincaru A: Hyperthyreotische
Reaktionen während der Rekonvaleszenz nach
Hepatitis infectiosa.
Z Gesamte Inn Med 28:591-3, 1 Oct 73 (Ger)
ADULT/ CONVALESCENCE/ ENGLISH
ABSTRACT/ *HEPATITIS, INFECTIOUS,
complications/ HEPATITIS, INFECTIOUS,
rehabilitation/ HUMAN/ HYPERTHYROIDISM,
etiology/ IODINE, blood/ IODINE
RADIOISOTOPES, metabolism/ MIDDLE AGE/
PROTEIN-BOUND IODINE TEST/ THYROID
GLAND, metabolism/ TIME FACTORS
1299. Glierek A, Samochowiec E: Wydalanie estrogenów
całkowitych z moczem przez kobiety chore na jaskrę
prostą w okresie przekwitania.
Ginekol Pol 44:1163-9, Oct 73 (Pol)
ADULT/ *CLIMACTERIC/ ENGLISH
ABSTRACT/ *ESTROGENS, urine/ FEMALE/
*GLAUCOMA, urine/ HUMAN/ MIDDLE AGE
1300. Glerkowa A: Badania niektórych hormonów u kobiet
chorych na jaskrę prostą w okresie przekwitania.
Klin Oczna 43:1343-8, Dec 73 (Pol)
ADULT/ AGE FACTORS/ CORTICOTROPIN,
blood/ FEMALE/ FSH, blood/ GLAUCOMA,
blood/ *GLAUCOMA, occurrence/
HORMONES, blood/ HUMAN/ LH, blood/
*MENOPAUSE/ MIDDLE AGE
1301. Gliani SH: Imipramine and congenital abnormalities.
Patbol Microbiol (Basel) 40:37-42, 1974
*ABNORMALITIES, DRUG-INDUCED, etiology/
*ABNORMALITIES, MULTIPLE, chemically
induced/ ANIMAL EXPERIMENTS/ BEAK,
abnormalities/ *CHICK EMBRYO, drug effects/
CHICK EMBRYO, growth & development/
DIAPHRAGMATIC EVENTRATION, chemically
induced/ DWARFISM, chemically induced/
ECTROMELIA, chemically induced/
ENCEPHALOCYCLE, chemically induced/
*IMIPRAMINE, adverse effects/ LETHAL
DOSE 50/ MICROPTHALMOS, chemically
induced/ NECK, abnormalities
1302. Gilbert GO: Effect of negative air ions upon
emotionality and brain serotonin levels in isolated
rats. Int J Biometeorol 17:267-75, Sep 73
ANIMAL EXPERIMENTS/ ATMOSPHERE
EXPOSURE CHAMBERS/ BEHAVIOR,
ANIMAL/ BODY WEIGHT/ *BRAIN

AUTHOR SECTION

- CHEMISTRY/ *IONS/ MALE/ RATS/
*SEROTONIN, analysis/ SOCIAL ISOLATION
1303. Gii'dleva BS, Khamldov DKH: Regulatsiya gemopoëza kortikosteroidami u ryb.
Zh Evol Blokhim Fiziol 9:144-9, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ *CYPRINIDAE, physiology/ ENGLISH ABSTRACT/ ERYTHROCYTE COUNT/ FEMALE/ *HEMATOPOIESIS, drug effects/ HEMOGLOBIN, analysis/ *HYDROCORTISONE, pharmacodynamics/ LEUKOCYTE COUNT/ MALE/ TIME FACTORS
1304. Gilgenkrantz S, Pierson M, Mauuary G: Chromosome 13q+ par translocation probable d'un Y surnuméraire.
Ann Genet (Paris) 18:167-72, Sep 73 (Fre)
*CHROMOSOME ABERRATIONS/
*CHROMOSOMES, HUMAN, 13-15/
DERMATOGLYPHICS/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ KARYOTYPING/ MALE/ MENTAL RETARDATION, familial & genetic/ PHENOTYPE/ *SEX CHROMOSOMES
1305. Gillespie E, Valentine MD, Lichtenstein LM: Cyclic AMP metabolism in asthma: studies with leukocytes and lymphocytes.
J Allergy Clin Immunol 53:27-33, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ASTHMA, metabolism/ BICARBONATES/ CELL SEPARATION/ COMPARATIVE STUDY/ CULTURE MEDIA/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HISTAMINE, pharmacodynamics/ HUMAN/ IMMUNE SERUMS/ IN VITRO/ ISOPROTERENOL, administration & dosage/ ISOPROTERENOL, pharmacodynamics/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ MALE/ PHOSPHATES/ TROMETHAMINE
1306. Giiiet-Vanderbruggen M: Evaluation de l'activité des préparations dermopharmaceutiques à base de corticostéroïdes.
J Pharm Belg 28:515-44, Sep-Oct 73 (48 ref.) (Fre)
ANTI-INFLAMMATORY AGENTS, TOPICAL, pharmacodynamics/ *ANTI-INFLAMMATORY AGENTS, TOPICAL, therapeutic use/ DIFFUSION/ DOSAGE FORMS/ DRUG COMPOUNDING/ DRUG EVALUATION/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ KINETICS/ MODELS, BIOLOGICAL/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ VEHICLES
1307. Gillis CN: Metabolism of vasoactive hormones by lung.
Anesthesiology 39:626-32, Dec 73 (66 ref.)
ACETYLCHOLINE, metabolism/ ANGIOTENSIN, biosynthesis/ ANGIOTENSIN II, metabolism/ ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, metabolism/ *BRADYKININ, metabolism/ CARBON RADIOISOTOPES/ EXTRACORPOREAL CIRCULATION/ *HORMONES, metabolism/ HUMAN/ HYPERTENSION, PULMONARY, physiopathology/ LUNG, enzymology/ *LUNG, metabolism/ LUNG, physiology/ MICROSOMES, enzymology/ MONOAMINE OXIDASE, metabolism/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, blood/ NOREPINEPHRINE, metabolism/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ PULMONARY CIRCULATION/ REVIEW/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, blood/ SEROTONIN, metabolism/ VASOCONSTRICTOR AGENTS, metabolism/ VASODILATOR AGENTS, metabolism
1308. Gilmore DP: The synergistic action of antifertility compounds in the male rat. Biol Reprod 9:544-8, Dec 73
ALKYLATING AGENTS, administration & dosage/ *ALKYLATING AGENTS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHLORINE, pharmacodynamics/ CONTRACEPTIVE AGENTS, administration & dosage/ *CONTRACEPTIVE AGENTS, pharmacodynamics/ DRUG SYNERGISM/ ETHYLENE, pharmacodynamics/ FEMALE/ *FERTILITY, drug effects/ FERTILIZATION, drug effects/ MALE/ METHANESULFONATES, pharmacodynamics/ PROPANEDIOLS, pharmacodynamics/ RATS/ SPERMATOZOA, drug effects/ TESTIS, drug effects/ TRIETHYLENE MELAMINE, pharmacodynamics
1309. Ginsberg H, Schwartz KV: Letter: Hypercalcemia and complete heart block. Ann Intern Med 79:903, Dec 73
ADULT/ CASE REPORT/ ELECTROCARDIOGRAPHY/ *HEART BLOCK, etiology/ HEART BLOCK, physiopathology/ HEART CONDUCTION SYSTEM, physiopathology/ HUMAN/ *HYPERCALCEMIA, complications/ HYPERCALCEMIA, etiology/ MALE/ MILK-ALKALI SYNDROME, complications
1310. Ginther OJ, Wentworth BC: Effect of a synthetic gonadotropin-releasing hormone on plasma concentrations of luteinizing hormone in ponies.
Am J Vet Res 35:79-81, Jan 74
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HORSES, physiology/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ *LH, blood/ LH-FSH RELEASING HORMONE, administration & dosage/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ OVULATION/ RADIOIMMUNOASSAY/ TIME FACTORS
1311. Giorgio NA, Johnson CB, Blecher M: Hormone receptors. 3. Properties of glucagon-binding proteins isolated from liver plasma membranes.
J Biol Chem 249:428-37, 25 Jan 74
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CELL MEMBRANE, analysis/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CORTICOTROPIN, metabolism/ DETERGENTS, pharmacodynamics/ GEL FILTRATION/ *GLUCAGON, metabolism/ HYDROGEN-ION CONCENTRATION/ IODIDES/ IODINE RADIOISOTOPES/ LIVER, cytology/ LIVER, enzymology/ *LIVER, metabolism/ MOLECULAR WEIGHT/ PROTEIN BINDING/ *PROTEINS, isolation & purification/ RATS/ *RECEPTORS, HORMONE/ SODIUM/ SOLUBILITY/ STRUCTURE-ACTIVITY RELATIONSHIP
1312. Girard FF, Trillet M, Kopp N: Correction par la L-Dopa des manifestations neurologiques d'une encéphalopathie porto-cave chronique.
Rev Neurol (Paris) 127:560-3, Nov 72 (Fre)
ALCOHOLISM, complications/ AMMONIA, blood/ *BRAIN DISEASES, complications/ *DOPA, therapeutic use/ ELECTROENCEPHALOGRAPHY/ HUMAN/ KETOGLUTARIC ACID, therapeutic use/ LACTULOSE, therapeutic use/ *LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, drug therapy/ MALE/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ ORNITHINE, therapeutic use/ PREDNISONE, therapeutic use/ SILICOSIS, complications/ *TREMOR, drug therapy/ TREMOR, etiology
1313. Giraud F, Hartung M, Brusquet Y, et al: Translation. XO-XY mosaics: six case studies.
Arch Sex Behav 2:83-8, Jun 72
ABNORMALITIES, MULTIPLE/ CRYPTORCHISM, complications/ DERMATOGLYPHICS/ FEMALE/ HUMAN/ HYPOSPADIAS, complications/ KARYOTYPING/ *MOSAICISM/ SEX CHROMATIN, analysis/ *SEX CHROMOSOME ABNORMALITIES, complications/ *SEX DIFFERENTIATION DISORDERS, complications
1314. Giroud M, Flandrois R, Calamai M, et al:

AUTHOR SECTION

- Hypoventilation alvéolaire primitive d'origine centrale. A propos d'un cas.
Ann Med Interne (Paris) 124:811-5, Aug-Sep 73 (Fre)
- ADULT/ *APPETITE DISORDERS, complications/ CARBON DIOXIDE/ CHEMORECEPTORS/ CONVULSIONS, etiology/ *DIABETES INSIPIDUS, complications/ HUMAN/ HYPOTHALAMUS/ *HYPOVENTILATION, etiology/ MALE/ *PARKINSONISM, complications/ PARKINSONISM, surgery/ POLYCYTHEMIA, etiology/ POSTOPERATIVE COMPLICATIONS/ PSYCHOMOTOR DISORDERS, etiology/ REFLEX/ RESPIRATION, ARTIFICIAL/ RESPIRATORY FUNCTION TESTS/ RESPIRATORY INSUFFICIENCY, etiology/ STIMULATION, CHEMICAL/ THALAMUS, surgery
1315. Gitlin D, Ferricelli A, Gitlin JD: The presence of serum alpha-fetoprotein in sharks and its synthesis by fetal gastrointestinal tract and liver.
Comp Biochem Physiol [B] 46:207-15, 15 Oct 73
- ALPHA GLOBULIN/ *ALPHA GLOBULIN, biosynthesis/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON RADIOISOTOPES/ EVOLUTION/ FETUS, metabolism/ GASTROINTESTINAL SYSTEM, embryology/ *GASTROINTESTINAL SYSTEM, metabolism/ HALF-LIFE/ IMMUNOELECTROPHORESIS/ IODINE RADIOISOTOPES/ KIDNEY, embryology/ KIDNEY, metabolism/ LIVER, embryology/ *LIVER, metabolism/ MOLECULAR WEIGHT/ PLACENTA, metabolism/ PREGNANCY/ RABBITS, immunology/ *SHARKS, metabolism/ SPECIES SPECIFICITY/ STOMACH, embryology/ STOMACH, metabolism/ TISSUE CULTURE/ VITELLINE MEMBRANE, metabolism
1316. Glitlik LS: O funktsional'nom sostolanií sistemy gipotálamo-gipotálamo-gl'pofiz-kora nadpochechnikov pri malof khoree. Sov Med 36:105-10, Apr 73 (Rus)
- ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CHOREA, physiopathology/ FEMALE/ HUMAN/ *HYPOTHALAMUS, physiopathology/ MALE/ *PITUITARY GLAND, physiopathology/ *RHEUMATIC FEVER, physiopathology
1317. Giunta C, Campantico E, Guardabassi A: Biochemical responses elicited in normal or prolactin-treated *Xenopus laevis* (Daudin) specimens by environmental changes. Comp Biochem Physiol [A] 47:323-31, Jan 74
- *ADAPTATION, PHYSIOLOGICAL/ ALKALINE PHOSPHATASE, metabolism/ AMMONIA, metabolism/ ANIMAL EXPERIMENTS/ ARGINASE, metabolism/ ENVIRONMENT/ FEMALE/ FRESH WATER/ INTESTINE, SMALL, enzymology/ LIVER, drug effects/ LIVER, enzymology/ LIVER, metabolism/ MALE/ MUSCLES, drug effects/ MUSCLES, metabolism/ ORNITHINE CARBAMOYL-TRANSFERASE, metabolism/ POTASSIUM, metabolism/ *PROLACTIN, pharmacodynamics/ SODIUM, metabolism/ UREA, metabolism/ *XENOPUS, metabolism
1318. Glivant Y, Shani J, Goldhaber G, et al: Pharmacology of three mammatropic butyrophenes in the rat. Arch Int Pharmacodyn Ther 205:317-27, Oct 73
- ANIMAL EXPERIMENTS/ *BUTYROPHENONES, pharmacodynamics/ CASTRATION/ FEMALE/ HALOPERIDOL, metabolism/ HALOPERIDOL, pharmacodynamics/ HALOPERIDOL, toxicity/ LACTATION, drug effects/ LETHAL DOSE 50/ *MAMMAE, drug effects/ MILK, drug effects/ OVARY, physiology/ PIMOZIDE, metabolism/ PIMOZIDE, pharmacodynamics/ PIMOZIDE, toxicity/ PROLACTIN, blood/ RATS/ RATS, INBRED STRAINS/ TIME FACTORS/ *TRANQUILIZING AGENTS, pharmacodynamics/ TRIFLUOPERIDOL, metabolism/ TRIFLUOPERIDOL, pharmacodynamics/ TRIFLUOPERIDOL, toxicity/ TRITIUM
1319. Glvens JR, Andcrsen RN, Wiser WL, et al: A gonadotropin-responsive adrenocortical adenoma. J Clin Endocrinol Metab 38:126-33, Jan 74
- *ADENOMA, blood/ ADENOMA, urine/ *ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLAND NEOPLASMS, urine/ *ANDROSTENEDIONE, blood/ CASTRATION/ CORTICOTROPIN, diagnostic use/ DEXAMETHASONE, diagnostic use/ ETHINYL ESTRADIOL, diagnostic use/ FEMALE/ FSH, blood/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ *17-KETOSTEROIDS, urine/ LH, blood/ MIDDLE AGE/ OVARY, physiology/ *TESTOSTERONE, blood
1320. Gjerdal T, Stavem P: Akutt leukemi hos voksne. Tidsskr Nor Laegeforen 93:1973-8, 20 Sep 73 (Nor)
- ADULT/ AGRANULOCYTOSIS, chemically induced/ ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CYTARABINE, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ METHOTREXATE, therapeutic use/ PREDNISONE, therapeutic use/ THROMBOPENIA, chemically induced/ TIME FACTORS
1321. Gjonnaess H: Cold promoted activation of Factor VII. Occurrence and relation to sex hormones and antifertility compounds. Gynecol Invest 4:61-72, 1973
- ADULT/ AMINOCAPROIC ACID/ CHILD/ CHILD, PRESCHOOL/ CHLORMADINONE/ *COLD/ CONTRACEPTIVES, ORAL/ DIETHYLSTILBESTROL/ ESTRADIOL/ ESTRONE/ ETHINYL ESTRADIOL/ *FACTOR VII/ FEMALE/ FIBRINOLYTIC AGENTS/ HUMAN/ INFANT, NEWBORN/ KALLIKREIN, blood/ KAOLIN/ MALE/ MEDROXYPROGESTERONE/ MESTRANOL/ NORETHINDRONE/ PREGNANCY/ PROGESTERONE/ STREPTOKINASE/ TRYPSIN
1322. Giasel JA, Hruby VJ, McKelvy JF, et al: Deuteron magnetic resonance studies on the microdynamical behavior of partially deuterated oxytocin with neurophysin. J Mol Biol 79:555-75, 25 Sep 73
- CHROMATOGRAPHY, THIN LAYER/ CIRCULAR DICHROISM/ DEUTERIUM/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ GLYCINE/ LEUCINE/ MATHEMATICS/ *NEUROPHYSINS/ NUCLEAR MAGNETIC RESONANCE/ OLIGOPEPTIDES, chem synthesis/ *OXYTOCIN/ PROLINE/ SPECTROPHOTOMETRY, ULTRAVIOLET
1323. Glinzer D, Ermans AM, Gopinisch G: Fièvre et endocrinopathies. Acta Clin Belg 28:238-45, Jul 73 (Fre)
- *ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ *ETIOCHOLANOLONE, adverse effects/ FEVER, chemically induced/ *FEVER, etiology/ HUMAN/ HYPERTHYROIDISM, complications/ THYROID CRISIS, complications/ THYROIDITIS, complications
1324. Glossmann H, Baukal A, Catt KJ: Angiotensin II receptors in bovine adrenal cortex. Modification of angiotensin II binding by guanyl nucleotides. J Biol Chem 249:664-6, 25 Jan 74
- *ADRENAL GLANDS, metabolism/ *ANGIOTENSIN II, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUANINE NUCLEOTIDES, administration & dosage/ GUANINE NUCLEOTIDES, pharmacodynamics/ NUCLEOTIDES, administration & dosage/ NUCLEOTIDES, pharmacodynamics/ PROTEIN CONFORMATION/ *RECEPTORS, DRUG, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP
1325. Glover JS: Some quantitative aspects of in vitro thyroid diagnostic tests. Jap J Nucl Med 10:423-31, Aug 73
- HUMAN/ METHODS/ *THYROID GLAND

AUTHOR SECTION

- FUNCTION TESTS/ THYROXINE, blood/
THYROXINE-BINDING PROTEIN, analysis
1326. Glover L, Frensil FJ, Derrick FC Jr: Simultaneous adenomatoid tumors of epididymis and tunica vaginalis. *Urology* 2:192-5, Aug 73
ADULT/ *EPIDIDYMIS/ EPIDIDYMIS, pathology/ HUMAN/ *LEIOMYOMA, pathology/ LEIOMYOMA, surgery/ MALE/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ *TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery/ TESTICULAR NEOPLASMS, pathology/ *TESTICULAR NEOPLASMS, pathology
1327. Gluckman JC, Beaufils H, Berger J, et al: Rapidly progressive glomerulonephritis with linear fluorescence in a kidney transplant. *Clin Nephrol* 1:40-5, Jan-Feb 73
ANTI-ANTIBODIES, analysis/ ANURIA, complications/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, pharmacodynamics/ BASEMENT MEMBRANE, immunology/ CADAVER/ CHILD/ CREATININE, blood/ *FLUORESCENCE/ GLOMERULONEPHRITIS, complications/ *GLOMERULONEPHRITIS, etiology/ GLOMERULONEPHRITIS, pathology/ GLOMERULONEPHRITIS, therapy/ GRAFT REJECTION, drug effects/ HEMODIALYSIS/ HUMAN/ IGG, analysis/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ NEPHRECTOMY/ *POSTOPERATIVE COMPLICATIONS/ PREDNISONE, administration & dosage/ PREDNISONE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS, adverse effects
1328. Goard KE, Kozlowski K: Thanatophoric dwarfism II. *Pediatr Radiol* 1:8-11, Mar 73
ACHONDROPLASIA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DWARFISM, classification/ *DWARFISM, congenital/ DWARFISM, radiography/ *DYSCHONDROPLASIA/ DYSCHONDROPLASIA, classification/ DYSCHONDROPLASIA, diagnosis/ DYSCHONDROPLASIA, radiography/ HUMAN/ INFANT, NEWBORN/ MALE
1329. Godfrey JL: A histological study of dentin formation in osteogenesis imperfecta congenita. *J Oral Pathol* 2:95-111, 1973
COLLAGEN/ DENTAL PULP, pathology/ DENTIN, abnormalities/ DENTIN, pathology/ *DENTINOGENESIS IMPERFECTA, pathology/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MALE/ MICROSCOPY, ELECTRON/ MICROTOMY/ ODONTOBLASTS/ *OSTEOGENESIS IMPERFECTA, pathology/ STAINS AND STAINING/ TOOTH, DECIDUOUS, abnormalities/ TOOTH, DECIDUOUS, pathology
1330. Godowicz B: Genetic differences in the structure of the mouse testes. *Folia Biol (Krakow)* 21:361-77, 1973
ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ FERTILITY/ *GENETICS/ HYBRID VIGOR/ HYBRIDIZATION/ MALE/ MICE/ MICE, INBRED STRAINS/ MICROSCOPY, ELECTRON/ TESTIS, cytology/ *TESTIS, pathology
1331. Goebel R, Leb G, Eber O, et al: Vergleich von T3-Spiegel bei kompensatorischer Hyperplasie der Schilddrüse und bei Euthyreoten ohne Jodmangel. *Acta Endocrinol [Suppl] (Kbb)* 57-8, 1973 (Ger)
AUSTRIA/ COMPARATIVE STUDY/ HUMAN/ IODINE RADIOISOTOPES/ METHODS/ THYROID GLAND, metabolism/ THYROID GLAND, physiology/ *THYROID GLAND, physiopathology/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood
1332. Goebel R, Leb G, Schreiber B, et al: Untersuchungen über den Trijodthyronin-Blutspiegel bei der Jodavidin Schilddrüse. *Wien Z Inn Med* 54:131-6, 1973 (Ger)
ENGLISH ABSTRACT/ HUMAN/
- HYPERTHYROIDISM, blood/
HYPERTHYROIDISM, physiopathology/
METHODS/ *PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN RELEASING HORMONE, metabolism/ *TRIIODOTHYRONINE, blood
1333. Goebelsmann U, Chen LC, Saga M, et al: Plasma concentration and protein binding of oestrilol and its conjugates in pregnancy. *Acta Endocrinol (Kbb)* 74:592-604, Nov 73
BLOOD PROTEINS, metabolism/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ ELECTROPHORESIS, STARCH GEL/ *ESTRIOL, blood/ *ESTROGENIC SUBSTANCES, CONJUGATED, blood/ FEMALE/ GEL FILTRATION/ HUMAN/ MALE/ *PREGNANCY/ PROTEIN BINDING/ SERUM ALBUMIN, metabolism/ SPECTROMETRY, FLUORESCENCE/ TRITIUM
1334. Goffart P: Etude clinique de l'uec 3983 en pédiatrie. *Acta Paediatr Belg* 27:257-62, 1973 (Fre)
AEROSOLS/ ALKYL SULFONATES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ASTHMA, drug therapy/ BRONCHITIS, drug therapy/ *BRONCHODILATOR AGENTS, therapeutic use/ BRONCHOPNEUMONIA, drug therapy/ CHILD, PRESCHOOL/ CORTISONE, therapeutic use/ COUGH/ CYSTIC FIBROSIS, drug therapy/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ *EXPECTORANTS, therapeutic use/ FEMALE/ HUMAN/ INFANT/ MALE/ MYASTHENIA GRAVIS, drug therapy/ *RESPIRATORY TRACT DISEASES, drug therapy/ *SULFHYDRYL COMPOUNDS, therapeutic use
1335. Gohlke R, Grigorowa R: Über die kombinierte Wirkung von phosphororganischen Pestiziden und erhöhter Umgebungstemperatur in Inhalatorischen Kurzversuchen an Ratten. II. Histologische, histochemische und morphometrische Untersuchungen. *Int Arch Arbeitsmed* 31:309-27, 1973 (Ger)
AIR POLLUTION/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ LIVER, drug effects/ LUNG, drug effects/ *ORGANOPHOSPHORUS COMPOUNDS, toxicity/ *PESTICIDES, toxicity/ RATS/ *RATS, metabolism/ THYROID GLAND, drug effects
1336. Gold PE, Macri J, McLaugh JL: Retrograde amnesia produced by subseizure amygdala stimulation. *Behav Biol* 9:671-80, Dec 73
*AMNESIA/ *AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/ AVOIDANCE LEARNING/ CONVULSIONS/ DRINKING BEHAVIOR/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ ELECTROSHOCK/ EXTINCTION (PSYCHOLOGY)/ INHIBITION (PSYCHOLOGY)/ MALE/ *MEMORY/ RATS/ REACTION TIME/ STEREOTAXIC TECHNIQUES
1337. Goldberg E: Molecular basis for multiple forms of LDH-X. *J Exp Zool* 186:273-8, Dec 73
ANIMAL EXPERIMENTS/ ANTIBODIES/ DIAPHRAGM, enzymology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUINEA PIGS/ IMMUNE SERUMS/ LACTATE DEHYDROGENASE ISOENZYMES, analysis/ *LACTATE DEHYDROGENASE ISOENZYMES, isolation & purification/ MALE/ RABBITS, immunology/ RATS/ SPERMATOZOA, enzymology/ TESTIS, enzymology
1338. Gol'dberg LE, Stepanova ES, Filippov'sants ST: Issledovanie toksichnosti i farmakologicheskikh svoystv protivopukhlevogo antibiotika 1719 iz gruppy diazooednenii. *Antibiotiki* 18:332-8, Apr 73 (Rus)
ADMINISTRATION, ORAL/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS,

AUTHOR SECTION

- ANTINEOPLASTIC/ *AZO COMPOUNDS/
AZOTOMYCIN, administration & dosage/
AZOTOMYCIN, pharmacodynamics/
AZOTOMYCIN, toxicity/ BILIRUBIN, blood/
BLOOD SUGAR, metabolism/ CATS/ DOGS/
ENGLISH ABSTRACT/ FEMALE/
*GLUTAMINE, antagonists & inhibitors/
HEART, drug effects/ INJECTIONS,
INTRAPERITONEAL/ INJECTIONS,
INTRAVENOUS/ INJECTIONS,
SUBCUTANEOUS/ MICE/ ORGAN WEIGHT/
RABBITS/ RATS/ SPLEEN, drug effects/
THYMUS GLAND, drug effects/ UREA, blood
1339. Goldberg LI, Talley RC: Current therapy of shock.
Adv Intern Med 17:363-78, 1973 (96 ref.)
ADRENAL CORTX HORMONES, therapeutic
use/ ADRENERGIC ALPHA RECEPTOR
BLOCKADERS, therapeutic use/
AUTOIMMUNE DISEASES/ BLOOD
PRESSURE/ CARDIAC GLYCOSIDES,
therapeutic use/ DISSEMINATED
INTRAVASCULAR COAGULATION,
complications/ DOPAMINE, therapeutic use/
EPINEPHRINE, therapeutic use/ GLUCAGON,
therapeutic use/ HUMAN/ ISOPROTERENOL,
therapeutic use/ MEPHENTERMINE,
therapeutic use/ METARAMINOL, therapeutic
use/ METHOXAMINE, therapeutic use/
MICROCIRCULATION, physiopathology/
NOREPINEPHRINE, therapeutic use/
REVIEW/ SHOCK, drug therapy/ SHOCK,
etiology/ SHOCK, immunology/ SHOCK,
physiopathology/ *SHOCK, therapy/
SYMPATHOMIMETICS, therapeutic use/
VASCULAR RESISTANCE/ VENOUS
INSUFFICIENCY, complications
1340. Goldberg ME, Insalaco JR, Hefner MA, et al: Effect of
prolonged isolation on learning, biogenic amine
turnover and aggressive behaviour in three strains of
mice. Neuropharmacology 12:1049-58, Nov 73
*AGGRESSION/ ANIMAL EXPERIMENTS/
AVOIDANCE LEARNING/ BEHAVIOR,
ANIMAL/ *BIOGENIC AMINES, metabolism/
BODY WEIGHT/ HYDROXYINDOLEACETIC
ACID, metabolism/ *LEARNING/ MALE/
MICE/ MICE, INBRED DBA/ MICE, INBRED
STRAINS/ NOREPINEPHRINE, metabolism/
PARGYLINE, pharmacodynamics/ REACTION
TIME/ SEROTONIN, metabolism/ *SOCIAL
ISOLATION/ TIME FACTORS/ TYROSINE
HYDROXYLASE, antagonists & inhibitors
1341. Goldberg SD, Spierto FW: Plasma renin activity: a
method for rapid screening by radioimmunoassay and
a comparison of two commercially available kits.
Clin Chem 19:1398-9, Dec 73
ADULT/ BLOOD CHEMICAL ANALYSIS,
standards/ BLOOD PRESSURE/
CEREBROVASCULAR DISORDERS,
enzymology/ COMPARATIVE STUDY/
CREATININE, urine/ *ENZYME TESTS/
EVALUATION STUDIES/ FEMALE/ HUMAN/
*HYPERTENSION, diagnosis/ HYPERTENSION,
urine/ IODINE RADIOISOTOPES/ MALE/
MASS SCREENING/ METHODS/ MIDDLE
AGE/ MYOCARDIAL INFARCT, enzymology/
RADIOIMMUNOASSAY/ *RENIN, blood/
RENIN, urine/ SODIUM, urine
1342. Goldgeffer LI, Gakhov NY, Ganin AF, et al: Identifying
Y chromosome in interphase nuclei of the human
brain. Experientia 29:1428-9, 15 Nov 73
*BRAIN, cytology/ CELL DIVISION/ CELL
NUCLEOLUS/ CEREBRAL CORTEX, cytology/
FEMALE/ FLUORESCENCE/ HUMAN/
HYPOTHALAMUS, cytology/ MALE/
MEDULLA OBLONGATA, cytology/ PONS,
cytology/ QUINACRINE/ *SEX
CHROMOSOMES/ SEX FACTORS
1343. Goldin D: Proceedings: Pretibial myxoedema and
thyroid acropachy. Possible dermatitis herpetiformis.
Proc R Soc Med 66:983-4, Oct 73
AGED/ CASE REPORT/ DAPSONE,
therapeutic use/ *DERMATITIS
HERPETIFORMIS, complications/ DERMATITIS
HERPETIFORMIS, drug therapy/
EXOPHTHALMOS, complications/ FEMALE/
GOITER, EXOPHTHALMIC, complications/
HUMAN/ IODINE RADIOISOTOPES,
therapeutic use/ *MYXEDEMA, complications/
*OSTEOARTHROPATHY, SECONDARY
HYPERTROPHIC, complications
1344. Golding P: Pathophysiology of the thyroid gland: a
laboratory approach.
J Am Osteopath Assoc 73:273-8, Dec 73
CHROMATOGRAPHY/ HUMAN/ IODINE
ISOTOPES, DIAGNOSTIC/ PROTEIN
BINDING/ PROTEIN-BOUND IODINE TEST/
THYROID DISEASES, diagnosis/ *THYROID
GLAND, physiopathology/ *THYROID GLAND
FUNCTION TESTS/ THYROXINE, blood
1345. Golditch IM, Huston JE: Serious pelvic infections
associated with intrauterine contraceptive device.
Int J Fertil 18:156-60, 1973
*ABSCISS, etiology/ ADULT/ ENDOMETRIUM,
microbiology/ FEMALE/ HUMAN/
*INTRAUTERINE DEVICES, adverse effects/
*LEUKORRHEA, etiology/ *MENSTRUATION
DISORDERS, etiology/ *OVARIAN DISEASES,
etiology/ PELVIS
1346. Goldman AS, Klingele DA: Developmental defects of
testicular morphology and steroidogenesis in the male
rat pseudohermaphrodite and response to
testosterone and dihydrotestosterone.
Endocrinology 91:1-16, Jan 74
ANDROSTENEDIONE/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
HYDROXYLASES, metabolism/
HYDROXYSTEROID DEHYDROGENASES,
metabolism/ KETONE OXIDOREDUCTASES,
metabolism/ LYASES, metabolism/ MALE/
MEIOSIS/ PROGESTERONE/
*PSEUDOHERMAPHRODITISM, enzymology/
PUBERTY/ RATS/ SPERMATOZOA, growth &
development/ *STANOLONE,
pharmacodynamics/ *TESTIS, enzymology/
TESTIS, growth & development/
TESTOSTERONE/ *TESTOSTERONE,
pharmacodynamics/ TIME FACTORS/ TRITIUM
1347. Goldman H, Sapirstein LA, Murphy S, et al: Alcohol and
regional blood flow in brains of rats.
Proc Soc Exp Biol Med 144:983-8, Dec 73
ALCOHOL, ETHYL, administration & dosage/
ALCOHOL, ETHYL, blood/ *ALCOHOL,
ETHYL, pharmacodynamics/ ANESTHESIA/
ANIMAL EXPERIMENTS/ CARBON DIOXIDE,
blood/ CARBON RADIOISOTOPES/ CARDIAC
OUTPUT, drug effects/ CEREBELLUM, blood
supply/ CEREBRAL CORTEX, blood supply/
*CEREBROVASCULAR CIRCULATION, drug
effects/ HIPPOCAMPUS, blood supply/
HYDROGEN-ION CONCENTRATION/
HYPOTHALAMUS, blood supply/ MALE/
MEDULLA OBLONGATA, blood supply/
MESENCEPHALON, blood supply/
OLFATORY BULB, blood supply/ OXYGEN,
blood/ PENTOBARBITAL, pharmacodynamics/
PONS, blood supply/ RATS/ REGIONAL
BLOOD FLOW, drug effects
1348. Goldman L, Gordan GS, Roof BS: Proceedings: Tumors
of the parathyroid glands.
Proc Natl Cancer Conf 7:537-42, 1973
*ADENOMA, diagnosis/ ADENOMA, surgery/
*CARCINOMA, diagnosis/ CARCINOMA,
surgery/ DIAGNOSIS, DIFFERENTIAL/
HUMAN/ HYPERCALCEMIA, etiology/
HYPERPARATHYROIDISM, etiology/
HYPERPARATHYROIDISM, SECONDARY,
etiology/ PARATHYROID HORMONE, analysis/
*PARATHYROID NEOPLASMS, diagnosis/
PARATHYROID NEOPLASMS, surgery/
RADIOIMMUNOASSAY
1349. Goldsmith NF, Johnston JO, Picetti G, et al: Bone
mineral in the radius and vertebral osteoporosis in an
insured population. A correlative study using 125-I
photon absorption and miniature roentgenography.
J Bone Joint Surg [Am] 55:1276-93, Sep 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ *BONE AND BONES, analysis/

AUTHOR SECTION

- CALIFORNIA/ CHILD/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *IODINE RADIOISOTOPES/ MALE/ MASS SCREENING/ MIDDLE AGE/ *MINERALS, analysis/ OSTEOPOROSIS, diagnosis/ *OSTEOPOROSIS, occurrence/ RACIAL STOCKS/ RADIUS, analysis/ SEX FACTORS/ SPINAL DISEASES, diagnosis/ *SPINAL DISEASES, occurrence/ *TECHNOLOGY, RADIOLOGIC
1350. Goldstein AS, Hoogenraad NJ, Johnson JD, et al: Metabolic and genetic studies of a family with ornithine transcarbamylase deficiency. *Pediatr Res* 8:5-12, Jan 74
AMMONIA, blood/ AMMONIUM CHLORIDE, diagnostic use/ BRAIN, enzymology/ CITRATES, therapeutic use/ CONVULSIONS, etiology/ DIETARY PROTEINS, metabolism/ ESTRADIOL, therapeutic use/ GLUCOSE, therapeutic use/ HETEROZYGOTE/ HUMAN/ INFANT, NEWBORN/ INTESTINES, enzymology/ LIVER, enzymology/ MALE/ METABOLISM, INBORN ERRORS, complications/ METABOLISM, INBORN ERRORS, diagnosis/ METABOLISM, INBORN ERRORS, drug therapy/ *METABOLISM, INBORN ERRORS, familial & genetic/ *ORNITHINE CARBAMOYL-TRANSFERASE, metabolism/ OROTIC ACID, urine/ PEDIGREE/ PERITONEAL DIALYSIS/ PHENOBARBITAL, therapeutic use/ PROLINE, urine/ SEX FACTORS
1351. Goldstein G: Isolation of bovine thymin: a polypeptide hormone of the thymus. *Nature* 247:11-4, 4 Jan 74
ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ CATTLE/ ELECTRIC STIMULATION/ ELECTROMYOGRAPHY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GEL DIFFUSION TESTS/ GEL FILTRATION/ *HORMONES, isolation & purification/ HORMONES, pharmacodynamics/ IMMUNOASSAY/ MICE/ MOLECULAR WEIGHT/ MUSCLE CONTRACTION, drug effects/ *NEUROMUSCULAR DEPOLARIZING AGENTS, isolation & purification/ NEUROMUSCULAR DEPOLARIZING AGENTS, pharmacodynamics/ *PEPTIDES, isolation & purification/ PEPTIDES, pharmacodynamics/ RABBITS, immunology/ *THYMUS EXTRACTS, isolation & purification/ THYMUS EXTRACTS, pharmacodynamics
1352. Goldyne ME, Winkelmann RK: In vitro effects of prostaglandin E2 on cutaneous vascular smooth muscle in the dog and in man. *J Invest Dermatol* 60:258-62, May 73
ANIMAL EXPERIMENTS/ *ARTERIES, drug effects/ CALCIUM, administration & dosage/ CALCIUM, pharmacodynamics/ CAPILLARIES, drug effects/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ HUMAN/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ *SKIN, blood supply
1353. Golimbu M, Brown J: Polymyositis with vesical dysfunction. *Urology* 1:600-3, Jun 73
*BLADDER DISEASES, etiology/ BLADDER DISEASES, pathology/ BLADDER DISEASES, physiopathology/ BLADDER DISEASES, radiography/ BLADDER DISEASES, surgery/ ELECTROMYOGRAPHY/ HUMAN/ MALE/ MIDDLE AGE/ MUSCLES, pathology/ *MYOSITIS, complications/ MYOSITIS, drug therapy/ MYOSITIS, pathology/ MYOSITIS, physiopathology/ PREDNISONE, therapeutic use/ UROGRAPHY
1354. Gombe S, Hall WC, McEntee K, et al: Regulation of blood levels of LH in hulls: influence of age, breed, sexual stimulation and temporal fluctuations. *J Reprod Fertil* 35:493-503, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *CATTLE, metabolism/ CELL COUNT/ *CIRCADIAN RHYTHM/ EJACULATION/ ESTRUS/ *LH, blood/ MALE/ PITUITARY GLAND, anatomy & histology/ PUBERTY/ RADIOIMMUNOASSAY/ SEX BEHAVIOR, ANIMAL/ *SEX BEHAVIOR, ANIMAL/ SPECIES SPECIFICITY/ TIME FACTORS
1355. Goncharenko EN, Burlakova EV, Zhat'kova GS, et al: O mekhanizmkh radiozashchitnogo deistvija dimetilaul'foksida. *Biol Nauki* 120:45-7, 1973 (Rus)
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *DIMETHYL SULFOXIDE, pharmacodynamics/ DOPAMINE, metabolism/ HISTAMINE, metabolism/ INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ SKIN, metabolism/ SPLEEN, metabolism/ STOMACH, metabolism
1356. Goncharova VN, Kertsman VI, Il'ina OI: O funktsional'noi aktivnosti autotransplantata kory nadpochechnika pri bolezni Itsenko-Kushinga posle dvustoronnef total'noi adrenalectomii. *Probl Endokrinol (Mosk)* 19:35-9, Nov-Dec 73 (Rus)
ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, transplantation/ ADRENALECTOMY/ ALDOSTERONE, biosynthesis/ CORTICOSTERONE, biosynthesis/ *CUSHING'S SYNDROME, surgery/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, biosynthesis/ TRANSPLANTATION, AUTOLOGOUS
1357. González de Sánchez O, López Portillo C, García Rojas F, et al: La hipoala por punción en el diagnóstico de la tiroiditis crónica. *Rev Invest Clin* 25:223-7, Jul-Sep 73 (Spa)
BIOPSY, NEEDLE/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ *THYROIDITIS, LYMPHOMATOUS, diagnosis
1358. González Gancedo P, Ramos F, Vivanco F: Las hormonas gonadales en los hipogonadismos masculinos. *Rev Clin Esp* 131:187-94, 15 Nov 73 (Spa)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ *GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ *HYPOGONADISM, diagnosis/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ STIMULATION, CHEMICAL/ TESTIS, drug effects/ *TESTOSTERONE, blood
1359. Goode JD, Howey S: Effect of premedication with intra-articular hydrocortisone on the retention of ¹⁹⁸Au in the knee joint in rheumatoid arthritis. Use of ^{99m}Tc in assessment. *Ann Rheum Dis* 32:Suppl:43-5, Dec 73
ABDOMEN/ *ARTHRITIS, RHEUMATOID, radiotherapy/ COLLOIDS/ *GOLD COLLOID, RADIOACTIVE, administration & dosage/ HUMAN/ *HYDROCORTISONE, administration & dosage/ *KNEE JOINT, metabolism/ LYMPH NODES/ *PREMEDICATION/ RADIOISOTOPE SCANNING/ Rhenium/ *TECHNETIUM, diagnostic use/ YTTRIUM ISOTOPES
1360. Gooden JM, Lascelles AK: Effect of feeding protected lipid on the uptake of precursors of milk fat by the bovine mammary gland. *Aust J Biol Sci* 26:1201-10, Oct 73
ACETATES, blood/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CASEIN, metabolism/ *CATTLE, metabolism/ CHOLESTEROL, blood/ CHYLOMICRONS, blood/ *DIETARY FATS, metabolism/ DIETARY PROTEINS, metabolism/ FATTY ACIDS, analysis/ FATTY ACIDS, blood/ *FATTY ACIDS, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ FORMALDEHYDE/ HYDROXYBUTYRATES, blood/ LACTATION/ LIPIDS, biosynthesis/ LIPOPROTEINS, blood/ LIPOPROTEINS,

AUTHOR SECTION

- VLDL, blood/ MILK, analysis/ MILK, secretion/ PHOSPHOLIPIDS, blood/ PREGNANCY/ SECRETORY RATE/ TRIGLYCERIDES, blood/ *UDDER, metabolism
1361. Goodkind MJ, Dambach GE, Thyrum FT, et al: Effect of thyroxine on ventricular myocardial contractility and ATPase activity in guinea pigs. Am J Physiol 228:66-72, Jan 74
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ GUINEA PIGS/ *HEART VENTRICLE, drug effects/ MALE/ MUSCLE CONTRACTION, drug effects/ *MYOCARDIUM, enzymology/ MYOFIBRILS, enzymology/ PAPILLARY MUSCLES, drug effects/ SOTALOL, pharmacodynamics/ STIMULATION, CHEMICAL/ *THYROXINE, pharmacodynamics/ TIME FACTORS
1362. Goodlin RC, Clewell WH: Sudden fetal death following diagnostic amniocentesis. Am J Obstet Gynecol 118:285-8, 15 Jan 74
ADULT/ *AMNIOCENTESIS, adverse effects/ *DEATH, SUDDEN/ ELECTROCARDIOGRAPHY/ FEMALE/ *FETAL DEATH, etiology/ FETAL HEART, physiopathology/ HEART RATE/ HUMAN/ LUNG, embryology/ MONITORING SYSTEMS/ NEEDLES/ PLACENTA, pathology/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ RADIOISOTOPE SCANNING/ SCALP
1363. Gooden AW, Williams ED, Thalassinos NC: Studies of thyroid function using ⁹⁹Tcm in thyrotoxic patients during treatment with antithyroid drugs. Clin Endocrinol (Oxf) 2:65-73, Jan 73
*CARBIMAZOLE, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, physiopathology/ RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID GLAND, physiopathology/ TIME FACTORS/ TRIIODOTHYRONINE, therapeutic use
1364. Gootman PM, Baez S, Feldman SM: Microcirculatory responses to central neural stimulation in the rat. Am J Physiol 225:1375-83, Dec 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ *BRAIN, physiology/ BRAIN MAPPING/ CONSTRICTION/ DIENCEPHALON, physiology/ DILATATION/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ FEMALE/ ISCHEMIA, etiology/ MALE/ MESENCEPHALON, physiology/ MESENTERY, blood supply/ *MICROCIRCULATION/ MICROSCOPY/ MUSCLES, blood supply/ RATS/ REGIONAL BLOOD FLOW/ STEREOTAXIC TECHNIQS/ TELEENCEPHALON, physiology
1365. Gorbunova MI: Zheltukhi pri tireotoksikoze i differentsial'naya diagnostika ikh s bolezni'u Botkina. Vrach Delo 8:151-2, Aug 73 (Rus)
AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *HEPATITIS, INFECTIOUS, diagnosis/ HUMAN/ *HYPERTHYROIDISM, complications/ *JAUNDICE, diagnosis/ JAUNDICE, etiology/ MIDDLE AGE
1366. Gordan GS, Picchi J, Roof BS, et al: Postmenopausal osteoporosis. Am Fam Physician 8:74-83, Dec 73
ANABOLIC STEROIDS, therapeutic use/ AORTIC DISEASES, etiology/ BIOPSY/ BODY HEIGHT/ BONE AND BONES, pathology/ CALCINOSIS, etiology/ CALCIUM, urine/ COMPARATIVE STUDY/ CUSHING'S SYNDROME, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ESTROGENIC SUBSTANCES, CONJUGATED, administration & dosage/ ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ FEMALE/ FRACTURES, etiology/ HUMAN/ HYPOGONADISM, complications/ IMMOBILIZATION/ KYPHOSIS, etiology/ *MENOPAUSE/ MULTIPLE MYELOMA, diagnosis/ NEPHROCALCINOSIS, etiology/ OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, drug therapy/ *OSTEOPOROSIS, etiology/ OSTEOPOROSIS, pathology/ OSTEOPOROSIS, radiography/ SPINAL INJURIES, etiology/ SPINAL NEOPLASMS, diagnosis
1367. Gordienko VM, Kosmach PI: Method fermentativnoi metki v Immunogistokhimii. Arkh Patol 35:69-74, 1973 (94 ref.) (Rus)
ACID PHOSPHATASE/ ALKALINE PHOSPHATASE/ ANIMAL EXPERIMENTS/ *ANTIGEN-ANTIBODY REACTIONS/ ANTIGENIC DETERMINANTS/ ANTIGENS, NEOPLASM/ ANTIGENS, VIRAL/ ANTINUCLEAR FACTORS/ ARTHUS PHENOMENON/ CATALASE/ CYTOCHROME C/ DIPHENOL OXIDASES/ ENGLISH ABSTRACT/ *ENZYMES/ GLUCOSE OXIDASE/ GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, PITUITARY, analysis/ *HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNITY, CELLULAR/ *IMMUNOCHEMISTRY/ IMMUNOGLOBULIN FRAGMENTS/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ PEROXIDASES/ PROINSULIN, analysis/ REVIEW
1368. Gordin A, Lamberg BA: Serum thyrotrophin response to thyrotrophin releasing hormone and the concentration of free thyroxine in subacute thyroiditis. Acta Endocrinol (Kbb) 74:111-21, Sep 73
ADULT/ CHOLESTEROL, blood/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ MALE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ THYROID GLAND FUNCTION TESTS/ *THYROIDITIS, blood/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROXINE, blood/ TIME FACTORS
1369. Gordon DB: Letter: Low renin in experimental hypertension. Circ Res 33:757, Dec 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ HYPERTENSION, blood/ *HYPERTENSION, metabolism/ KIDNEY, metabolism/ RATS/ RENIN, blood/ *RENIN, metabolism
1370. Gordon HW, Miller R Jr, Mittman C: Medullary carcinoma of the lung with amyloid stroma: a counterpart of medullary carcinoma of the thyroid. Hum Pathol 4:431-6, Sep 73
AUTOPSY/ BIOPSY/ CARCINOMA, drug therapy/ *CARCINOMA, pathology/ CARCINOMA, radiography/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ LUNG NEOPLASMS, drug therapy/ *LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, radiography/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, pathology
1371. Gore-Langton RE, Ashwood-Smith MJ, Algard FT, et al: A thin-layer gel filtration assay of cytoplasmic oestrogen receptors. A possible screening method for hormone dependent tumours. Br J Cancer 28:310-5, Oct 73
ANIMAL EXPERIMENTS/ BIOPSY/ BREAST NEOPLASMS, diagnosis/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ *CYTOPLASM, metabolism/ CYTOSOL, metabolism/ ENDOMETRIUM, metabolism/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ GEL FILTRATION/ MOLECULAR WEIGHT/ *NEOPLASMS, diagnosis/ ORGAN CULTURE/ *RECEPTORS, HORMONE/ TRITIUM/ UTERINE NEOPLASMS, diagnosis
1372. Göretzlehner G: Der Einflub von Orogen-Gestagen-Kombinationspräparaten auf den Kohlenhydrat- und Fettstoffwechsel. II. Die Wirkung von Antigest. Zentralbl Gynaekol 95:1265-71, 7 Sep 73 (Ger)
BLOOD SUGAR, metabolism/ *CARBOHYDRATES, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/

AUTHOR SECTION

- INSULIN, diagnostic use/ LACTATES, blood/
*LIPIDS, metabolism/ MESTRANOL,
pharmacodynamics/ PROGESTATIONAL
HORMONES, pharmacodynamics/ PYRUVATES,
blood
1373. Goridis C, Neff NH: Neuronal and hormonal influences
on the turnover of monoamine oxidase in salivary
gland. *Biochem Pharmacol* 22:2501-10, 15 Oct 73
ANIMAL EXPERIMENTS/ CHORDA TYMPANI
NERVE, physiology/ DENERVATION/
GANGLIA, physiology/ HALF-LIFE/ IN
VITRO/ MALE/ MITOCHONDRIA, metabolism/
*MONOAMINE OXIDASE, metabolism/
PARGYLINE, pharmacodynamics/ PROTEINS,
biosynthesis/ RATS/ RESERPINE,
pharmacodynamics/ SUBMANDIBULAR GLAND,
cytology/ SUBMANDIBULAR GLAND, drug
effects/ *SUBMANDIBULAR GLAND,
enzymology/ SYMPATHECTOMY/ THYROID
GLAND, physiology/ THYROIDECTOMY/ TIME
FACTORS/ TRIIODOTHYRONINE,
pharmacodynamics/ TYRAMINE, metabolism
1374. Görlitz BD, Frey HH: Letter: Comparison of the
blocking effects of antagonists of adrenalin and
5-hydroxytryptamine on their mutual receptors.
J Pharm Pharmacol 25:651-3, Aug 73
ANIMAL EXPERIMENTS/ CHLORPROMAZINE,
pharmacodynamics/ CYPROHEPTADINE,
pharmacodynamics/ DOPAMINE, antagonists &
inhibitors/ *EPINEPHRINE, antagonists &
inhibitors/ HALOPERIDOL, pharmacodynamics/
IN VITRO/ MALE/ METHYLERGIDE,
pharmacodynamics/ PHENTOLAMINE,
pharmacodynamics/ RATS/ RECEPTORS,
ADRENERGIC/ *RECEPTORS, DRUG/
*SEROTONIN, antagonists & inhibitors/ VAS
DEFERENS, drug effects
1375. Gorman CA, DeSanto LW, MacCarty CS, et al: Optic
neuropathy of graves' disease. Treatment by
transantral or transfrontal orbital decompression.
N Engl J Med 290:70-5, 10 Jan 74
COMPARATIVE STUDY/ CRANIOTOMY/
DIPLOPIA, etiology/ FRONTAL BONE/
GOITER, EXOPHTHALMIC, physiopathology/
*GOITER, EXOPHTHALMIC, surgery/ HUMAN/
IODINE ISOTOPES, DIAGNOSTIC/ IODINE
RADIOISOTOPES/ LENGTH OF STAY/
MAXILLARY SINUS/ METHODS/ *ORBIT,
surgery/ POSTOPERATIVE COMPLICATIONS/
THYROID GLAND FUNCTION TESTS/
THYROXINE, blood/ TRIIODOTHYRONINE,
blood/ VISUAL ACUITY/ VISUAL FIELDS
1376. Gorman JJ, Castaldi PA: Human fibrinopeptides as
antithrombins.
Thromb Diath Haemorrh 29:347-52, 10 May 73
ADENOSINE DIPHOSPHATE,
pharmacodynamics/ ANTITHROMBIN/ BLOOD
COAGULATION, drug effects/ BLOOD
PLATELETS, drug effects/ CARBON
RADIOISOTOPES/ COLLAGEN,
pharmacodynamics/ ESTERASES/ FIBRIN/
*FIBRINOGEN, pharmacodynamics/ HUMAN/
*PEPTIDES, pharmacodynamics/ PLATELET
ADHESIVENESS, drug effects/ SEROTONIN,
metabolism/ THROMBIN, antagonists &
inhibitors
1377. Gorman RR, Miller OV: Specific prostaglandin E1 and
A1 binding sites in rat adipocyte plasma membranes.
Biochim Biophys Acta 323:560-72, 16 Nov 73
ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ ADIPOSE TISSUE,
cytology/ ADIPOSE TISSUE, drug effects/
*ADIPOSE TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ BINDING SITES/ BUFFERS/
CELL MEMBRANE, drug effects/ CELL
MEMBRANE, metabolism/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ EPIDIDYMS/
GUANOSINE TRIPHOSPHATE,
pharmacodynamics/ KINETICS/ MALE/
*PROSTAGLANDINS, metabolism/ PROTEIN
BINDING/ RATS/ *RECEPTORS, DRUG/
STRUCTURE-ACTIVITY RELATIONSHIP/
TEMPERATURE/ TIME FACTORS/ TRITIUM
1378. Gormsen J: P-pillen og måling af blodets
koagulationsevne.
Ugeskr Laeger 135:1084, 28 May 73 (Dan)
*BLOOD COAGULATION DISORDERS,
diagnosis/ BLOOD COAGULATION TESTS/
*CONTRACEPTIVES, ORAL, adverse effects/
FEMALE/ HUMAN
1379. Gorodilova VV: Klinicheskie aspekty immunologii
opukholei. *Vopr Onkol* 19:9-17, 1973 (Rus)
ANTIBODIES, NEOPLASM/ ANTIBODY
FORMATION/ ANTIGENS, NEOPLASM/ BCG
VACCINATION/ BLADDER NEOPLASMS,
diagnosis/ FEMALE/ HUMAN/ IMMUNITY,
CELLULAR/ IMMUNOTHERAPY/
INTERFERON, therapeutic use/ LUNG
NEOPLASMS, therapy/ MASS SCREENING/
MELANOMA, immunology/ MELANOMA,
radiotherapy/ MELANOMA, surgery/
*NEOPLASMS, immunology/ OVARIAN
NEOPLASMS, immunology/ RECTAL
NEOPLASMS, diagnosis/ SERODIAGNOSIS/
VACCINE THERAPY
1380. Górská M, Wróblewska B, Piwońska S, et al: Przypadek
cystynozy u 10-letniej dziewczynki.
Wlad Lek 26:2129-33, 15 Nov 73 (Pol)
CHILD/ *CYSTINOSIS, diagnosis/ DIAGNOSIS,
DIFFERENTIAL/ FEMALE/ HUMAN/
RICKETS, VITAMIN D RESISTANT, diagnosis
1381. Gossain VV, Ferrara EV, Werk EE, et al: Impaired renin
responsiveness with secondary hypoadosteronism.
Arch Intern Med 132:885-90, Dec 73
ADRENAL GLAND HYPOFUNCTION, blood/
ADRENAL GLAND HYPOFUNCTION,
complications/ *ADRENAL GLAND
HYPOFUNCTION, metabolism/ ADRENAL
GLANDS, metabolism/ ALDOSTERONE,
biosynthesis/ ALDOSTERONE, blood/
*ALDOSTERONE, metabolism/ ARRHYTHMIA,
etiology/ BODY WEIGHT/ CREATININE,
blood/ DIET, SALT-FREE, adverse effects/
HUMAN/ HYDROCORTISONE, metabolism/
HYPERKALEMIA, etiology/ MALE/ MIDDLE
AGE/ POTASSIUM, blood/ RENIN, blood/
*RENIN, metabolism/ SODIUM, blood/
SODIUM, metabolism
1382. Gossrau R: Untersuchung der
N-Acetyl-beta-glucosaminidase mit
1-Naphthyl-N-Acetyl-beta-glucosaminid.
Histochemie 37:169-85, 26 Oct 73 (Ger)
ACETAMIDES/ ADRENAL GLANDS,
enzymology/ ANIMAL EXPERIMENTS/
BLADDER, enzymology/ COLON, enzymology/
ENGLISH ABSTRACT/ EPIDIDYMS,
enzymology/ FEMALE/ *GLUCOSAMINIDASE,
analysis/ GUINEA PIGS/
HISTOCYTOCHEMISTRY/ KIDNEY,
enzymology/ LYSOSOMES, enzymology/ MALE/
METHODS/ MICE/ NAPHTHALENES/ RATS/
SALIVARY GLANDS, enzymology/ SPLEEN,
enzymology
1383. Góth M, Nyakas C, Endrőczy E: Glucose metabolism in
hypothalamic obese rats.
Endokrinologie 61:265-70, May 73
ANIMAL EXPERIMENTS/ *BLOOD SUGAR,
metabolism/ EPINEPHRINE,
pharmacodynamics/ FEMALE/ GLUCOSE
TOLERANCE TEST/ *HYPOTHALAMUS/
INSULIN, pharmacodynamics/ *OBESITY,
blood/ OBESITY, etiology/ RATS/
STEREOTAXIC TECHNIQUES
1384. Göthlin G, Ericsson JL: Fine structural localization of
alkaline phosphatase in the fracture callus of the rat.
Histochemie 36:225-36, 1973
*ALKALINE PHOSPHATASE, analysis/
ANIMAL EXPERIMENTS/ CALCIFICATION,
PHYSIOLOGIC/ *CALLUS, enzymology/ CELL
MEMBRANE/ FEMALE/ FIBROBLASTS,
enzymology/ GOLGI APPARATUS/
MICROSCOPY, ELECTRON/ OSTEOBLASTS,
enzymology/ RATS
1385. Goto F, Miyashita K, Ogawa R, et al: [Anesthesia in
surgery of pheochromocytoma: roles of
catecholamines and histamine in the blood]

AUTHOR SECTION

- Jap J Anesthesiol 22:1293-7, Oct 73 (Jap)
 *ADRENAL GLAND NEOPLASMS, surgery/
 ADULT/ *ANESTHESIA, GENERAL/ BLOOD
 PRESSURE/ *CATECHOLAMINES, blood/
 DROPERIDOL/ ENGLISH ABSTRACT/
 FEMALE/ *HISTAMINE, blood/ HUMAN/
 NITROUS OXIDE/ *PHEOCHROMOCYTOMA,
 surgery
1386. Götte H, Kloss G: Nuclear medicine and
 radiochemistry. Angew Chem [Engl] 12:712-21, Sep 73
 ANIMAL EXPERIMENTS/ BLOOD VOLUME
 DETERMINATION/ BRAIN DISEASES,
 diagnosis/ HUMAN/ IODINE ISOTOPES,
 DIAGNOSTIC/ ISOTOPE LABELING/ KIDNEY
 DISEASES, diagnosis/ KIDNEY FUNCTION
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 SCINTILLATION COUNTERS/ SPLENIC
 DISEASES, diagnosis/ TECHNOLOGY,
 RADIOLOGIC/ THYROID DISEASES,
 diagnosis/ THYROID GLAND FUNCTION
 TESTS
1387. Gottlieb JA, Hill CS Jr: Chemotherapy of thyroid cancer
 with adriamycin. Experience with 30 patients.
 N Engl J Med 290:193-7, 24 Jan 74
 ADENOCARCINOMA, drug therapy/
 ADRIAMYCIN, administration & dosage/
 ADRIAMYCIN, adverse effects/
 *ADRIAMYCIN, therapeutic use/ ADULT/
 AGED/ *BONE NEOPLASMS, drug therapy/
 *CARCINOMA, drug therapy/ CARCINOMA,
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 HEART FAILURE, CONGESTIVE, chemically
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 INTRAVENOUS/ MALE/ MIDDLE AGE/
 NEOPLASM METASTASIS/ *THYROID
 NEOPLASMS, drug therapy/ THYROID
 NEOPLASMS, mortality/ THYROID
 NEOPLASMS, radiography
1388. Gottwald G, Mohácsy J: A mellékvesekéreg Cushing
 szindrómát okozó nodularis hyperplasiájának négy
 esete. Orv Hetil 115:11-4, 6 Jan 74 (Hun)
 ADENOMA, pathology/ ADOLESCENCE/
 ADRENAL GLANDS, pathology/
 ADRENALECTOMY/ ADULT/ *CUSHING'S
 SYNDROME, etiology/ CUSHING'S
 SYNDROME, pathology/ FEMALE/ HUMAN/
 HYPERPLASIA/ MALE
1389. Götz M, Schenk E: Weill-Marchesani syndrome. Growth
 hormone, thyroid and chromosome studies.
 Z Kinderheilkd 116:43-9, 12 Dec 73
 ABNORMALITIES, MULTIPLE, blood/
 *ABNORMALITIES, MULTIPLE, familial &
 genetic/ BODY CONSTITUTION/ CHILD/
 EYE, abnormalities/ *FINGERS, abnormalities/
 HUMAN/ KARYOTYPING/ MALE/
 SOMATOTROPIN, blood/ SYNDROME/
 THYROXINE, blood/ *TOES, abnormalities/
 TRIIODOTHYRONINE, blood
1390. Gourley DR, Beckner SK: Antagonism of morphine
 analgesia by adenine, adenosine, and adenine
 nucleotides. Proc Soc Exp Biol Med 144:774-8, Dec 73
 *ADENINE, pharmacodynamics/ *ADENOSINE,
 pharmacodynamics/ *ADENOSINE CYCLIC 3',5'
 MONOPHOSPHATE, pharmacodynamics/
 ADENOSINE DIPHOSPHATE,
 pharmacodynamics/ ADENOSINE
 MONOPHOSPHATE, pharmacodynamics/
 ADENOSINE TRIPHOSPHATE,
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 ANIMAL EXPERIMENTS/ CYTIDINE,
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 pharmacodynamics/ HYPOXANTHINES,
 pharmacodynamics/ MALE/ METHODS/ MICE/
 *MORPHINE, antagonists & inhibitors/
 STRUCTURE-ACTIVITY RELATIONSHIP/
 URIDINE, pharmacodynamics
1391. Gowinski J, Besson MJ, Cheramy A, et al:
 Caractéristiques et fonctions des compartiments
 intraneuronaux des monoamines dans le système
 nerveux central.
 Rev Neurol (Paris) 127:1-22, Jul 72 (Fre)
 AMINES, antagonists & inhibitors/ AMINES,
 cerebrospinal fluid/ *AMINES, physiology/
 ANIMAL EXPERIMENTS/ BEHAVIOR,
 ANIMAL, drug effects/ *BRAIN, physiology/
 *BRAIN CHEMISTRY/ CAUDATE NUCLEUS,
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 METHYLTYROSINES, pharmacodynamics/
 *NEURONS, physiology/ NOREPINEPHRINE,
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 physiology/ OVULATION, drug effects/
 RESERPINE, pharmacodynamics/ SEROTONIN,
 physiology/ STRESS, metabolism/ TIME
 FACTORS/ TYROSINE, pharmacodynamics
1392. Grabstald H: Proceedings: Tumors of the urethra in
 men and women. Cancer 32:1236-55, Nov 73
 ADENOCARCINOMA, therapy/ ADULT/ AGED/
 BLADDER NEOPLASMS, complications/
 CARCINOMA, EPIDERMAL, pathology/
 CARCINOMA, EPIDERMAL, radiotherapy/
 CARCINOMA, EPIDERMAL, surgery/
 *CARCINOMA, EPIDERMAL, therapy/
 CARCINOMA, TRANSITIONAL CELL,
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 *CARCINOMA, TRANSITIONAL CELL,
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 NEOPLASMS, diagnosis/ URETHRAL
 NEOPLASMS, etiology/ URETHRAL
 NEOPLASMS, pathology/ URETHRAL
 NEOPLASMS, radiotherapy/ URETHRAL
 NEOPLASMS, surgery/ *URETHRAL
 NEOPLASMS, therapy
1393. Grądzki J, Drews M: Tyreolmorfografia przezakórna.
 Pol Przegl Radiol 37:719-26, Nov-Dec 73 (Pol)
 ADULT/ AGED/ ENGLISH ABSTRACT/
 FEMALE/ *GOITER, radiography/ HUMAN/
 *LYMPHOGRAPHY/ MALE/ METHODS/
 MIDDLE AGE
1394. Graham J, Checketts RG: Synovectomy of the
 knee-joint in rheumatoid arthritis. A long-term
 follow-up. J Bone Joint Surg [Br] 55:786-95, Nov 73
 ARTHRITIS, RHEUMATOID, immunology/
 ARTHRITIS, RHEUMATOID, radiography/
 *ARTHRITIS, RHEUMATOID, surgery/
 BIOMECHANICS/ HUMAN/ KNEE,
 radiography/ *KNEE, surgery/ METHODS/
 PAIN, POSTOPERATIVE/ PROGNOSIS/
 STEROIDS, adverse effects/ *SYNOVIAL
 MEMBRANE, surgery
1395. Graham J, Checketts RG: Synovectomy of the
 knee-joint in rheumatoid arthritis. A long-term
 follow-up. J Bone Joint Surg [Am] 55:786-95, Nov 73
 ADOLESCENCE/ ADULT/ AGED/ ARTHRITIS,
 RHEUMATOID, drug therapy/ ARTHRITIS,
 RHEUMATOID, radiography/ *ARTHRITIS,
 RHEUMATOID, surgery/ CONTRACTURE,
 etiology/ EXUDATES AND TRANSUDATES/
 FEMALE/ FOLLOW-UP STUDIES/
 GLUCOCORTICIDS, adverse effects/
 GLUCOCORTICIDS, therapeutic use/
 HUMAN/ *KNEE, surgery/ *KNEE JOINT/
 MALE/ MANIPULATION, ORTHOPEDIC/
 METHODS/ MIDDLE AGE/ MOVEMENT/
 PAIN/ POSTOPERATIVE CARE/
 POSTOPERATIVE COMPLICATIONS/
 RECURRENCE/ *SYNOVIAL MEMBRANE,
 surgery/ TIME FACTORS
1396. Graham RE, Kenner CT: Acetonitrile-diatomaceous
 earth column for separation of steroids and other
 compounds. J Pharm Sci 62:1845-9, Nov 73
 ALCOHOL, ETHYL/ ALKANES/ CAPSULES,
 analysis/ CHLOROFORM/

AUTHOR SECTION

- CHROMATOGRAPHY, GAS/ DRUG STABILITY/ INDICATORS AND REAGENTS/ ISONIAZID/ KINETICS/ METHODS/ *NITRILES/ OINTMENTS, analysis/ PHENYLHYDRAZINE/ *SILICA/ SOLVENTS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STERIODS, isolation & purification/ SULFURIC ACIDS/ TABLETS, analysis
1397. Gralla G, Fudali M: Reconstruction of body height from the epiphyses of long bones. *Folia Morphol (Warsz)* 32:361-9, Oct 73
ANTHROPOMETRY/ AUTOPSY/ *BODY HEIGHT/ BONE AND BONES, anatomy & histology/ *EPIPHYSES, anatomy & histology/ FEMALE/ HUMAN/ MALE/ REGRESSION ANALYSIS
1398. Gran L: On the effect of a polypeptide isolated from "Kalata-Kalata" (*Oldenlandia affinis* DC) on the oestrogen dominated uterus. *Acta Pharmacol Toxicol (Kbh)* 33:400-8, 1973
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ FEMALE/ HEART RATE, drug effects/ HUMAN/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ METHYSERGIDE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ OXYTOCIN, pharmacodynamics/ PEPTIDES, administration & dosage/ *PEPTIDES, pharmacodynamics/ *PLANTS, MEDICINAL/ PROGESTERONE, pharmacodynamics/ RABBITS/ RATS/ RESPIRATION, drug effects/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TISSUE CULTURE/ *UTERUS, drug effects/ ZAIRE
1399. Grandadam JA, Klein G, Dreux H, et al: Etude d'un facteur de ponte chez la poule: le I7 alpha-éthynyltlenolone. *Ann Nutr Aliment* 27:163-80, 1973 (Fre)
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *CHICKENS, drug effects/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EGGS, analysis/ ENGLISH ABSTRACT/ FEMALE/ FOOD CONTAMINATION/ HYDROXYSTERIODS, administration & dosage/ HYDROXYSTERIODS, metabolism/ HYDROXYSTERIODS, pharmacodynamics/ KETOSTEROIDS, administration & dosage/ KETOSTEROIDS, metabolism/ KETOSTEROIDS, pharmacodynamics/ NORPREGNANES, administration & dosage/ NORPREGNANES, metabolism/ *NORPREGNANES, pharmacodynamics/ *OVIPOSITION, drug effects/ OVUM, drug effects/ OVUM, physiology/ PREGNATRIENES, administration & dosage/ PREGNATRIENES, metabolism/ *PREGNATRIENES, pharmacodynamics/ TIME FACTORS/ VITELLINE MEMBRANE, drug effects
1400. Grasso M, Benazzi M: Genetic and physiologic control of fissioning and sexuality in planarians. *J Embryol Exp Morphol* 30:317-28, Oct 73
ANIMAL EXPERIMENTS/ FEMALE/ GENETICS/ GENITALIA, growth & development/ MALE/ NUTRITION/ OVARY, growth & development/ *REPRODUCTION/ TESTIS, growth & development/ TISSUE EXTRACTS/ *TURBELLARIA, growth & development
1401. Grattarola R: Misdiagnosis of endometrial adenocarcinoma in a 27-year old woman with adrenocortical tumor. *Oncology* 28:246-52, 1973
*ADENOCARCINOMA, diagnosis/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, drug therapy/ ADRENAL GLAND NEOPLASMS, physiopathology/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENALLECTOMY/ ADULT/ ANDROSTERONE, secretion/ CASE REPORT/ DEHYDROEPIANDROSTERONE, secretion/ DEXAMETHASONE, therapeutic use/ DIAGNOSTIC ERRORS/ *ENDOMETRIAL HYPERPLASIA, diagnosis/ ENDOMETRIAL HYPERPLASIA, pathology/ ENDOMETRIUM, pathology/ ETIOCHOLANOLONE, secretion/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, secretion/ TESTOSTERONE, secretion/ *UTERINE NEOPLASMS, diagnosis
1402. Grattarola R, Secreto G, Recchione C, et al: Androgens in breast cancer. II. Endometrial adenocarcinoma and breast cancer in married postmenopausal women. *Am J Obstet Gynecol* 118:173-8, 15 Jan 74
*ADENOCARCINOMA, urine/ AGE FACTORS/ *BREAST NEOPLASMS, urine/ ESTRADIOL, urine/ *ESTROGENS, urine/ ESTRONE, urine/ FEMALE/ HUMAN/ HYPERPLASIA/ *LH, urine/ MARRIAGE/ MENOPAUSE/ MIDDLE AGE/ PARITY/ PREGNANCY/ STERILITY, FEMALE, etiology/ *TESTOSTERONE, urine/ TIME FACTORS/ *UTERINE NEOPLASMS, urine
1403. Gratz NG: A critical review of currently used single-dose rodenticides. *Bull WHO* 48:469-77, 1973
AMIDES/ ANIMAL EXPERIMENTS/ ARSENIC/ BARIUM/ CARBONATES/ CHLORALOSE/ DDT/ ENDRIIN/ FLUORACETATES/ IMIDES/ NAPHTHALENES/ NORBORNANES/ PHOSPHINES/ PHOSPHORUS/ PYRIDINES/ RATS/ *RODENT CONTROL/ RODENTICIDES/ SQUILL/ STRYCHNINE/ THIOUREA/ ZINC
1404. Grave KC: Timing of facial growth: a study of relations with stature and ossification in the hand around puberty. *Aust Orthod J* 3:117-22, Jun 73
BODY HEIGHT/ BONE DEVELOPMENT/ CEPHALOMETRY/ HAND, growth & development/ MAXILLOFACIAL DEVELOPMENT/ OSSIFICATION, PHYSIOLOGIC/ PUBERTY/ SPECIAL LIST DENTAL
1405. Gray IK: Seasonal variations in the composition and thermal properties of New Zealand milk fat. I. Fatty-acid composition. *J Dairy Res* 40:207-14, Jun 73
ANIMAL EXPERIMENTS/ BUTTER/ CATTLE/ CHROMATOGRAPHY, GAS/ DAIRYING/ *DIETARY FATS, analysis/ *FATTY ACIDS, analysis/ FATTY ACIDS, metabolism/ FATTY ACIDS, UNSATURATED, analysis/ FATTY ACIDS, UNSATURATED, metabolism/ FEMALE/ LACTATION/ METHYLATION/ *MILK, analysis/ MILK, metabolism/ NEW ZEALAND/ PREGNANCY/ SEASONS/ STEREOISOMERS/ TEMPERATURE
1406. Gray JS: Studies on host resistance to secondary infections of *Raillietina cesticillus* Moill, 1858 in the fowl. *Parasitology* 67:375-82, Dec 73
ANIMAL EXPERIMENTS/ CESTODA, growth & development/ CESTODA, immunology/ *CHICKENS, immunology/ DEXAMETHASONE, administration & dosage/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ IMMUNITY, CELLULAR/ IMMUNOSUPPRESSION/ INFLAMMATION/ INJECTIONS, INTRAMUSCULAR/ INTESTINE, SMALL, pathology/ LEUKOCYTE COUNT/ MALE/ *POULTRY DISEASES, immunology/ POULTRY DISEASES, pathology/ RAILLIETINIASIS, immunology/ RAILLIETINIASIS, pathology/ *RAILLIETINIASIS, veterinary
1407. Gray RW: Correspondence: Acupuncture works. *Anaesth Intensive Care* 1:169-70, Nov 72
*ACUPUNCTURE/ *ANESTHESIA/ ANESTHESIA, OBSTETRICAL/ CESAREAN SECTION/ CHINA/ FEMALE/ HUMAN/ KIDNEY CALCULI, surgery/ MALE/ MEDICINE, ORIENTAL/ MIDDLE AGE/ PREGNANCY/ THYROIDECTOMY
1408. Gray SP, Morris JE, Brooks CJ: Renal handling of calcium, magnesium, inorganic phosphate and hydrogen ions during prolonged exposure to elevated carbon dioxide concentrations. *Clin Sci Mol Med* 45:751-64, Dec 73
ADULT/ AIR, analysis/ AMMONIA,

AUTHOR SECTION

- metabolism/ *CALCIUM, metabolism/
*CARBON DIOXIDE/ FASTING/ FOOD
ANALYSIS/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ *KIDNEY, metabolism/
*MAGNESIUM, metabolism/ MALE/
*PHOSPHATES, metabolism/ RESPIRATION/
SUBMARINE MEDICINE/ TIME FACTORS
1409. Graybill JR, Silva J Jr, Fraser DW, et al: Disseminated mycobacteriosis due to *Mycobacterium abscessus* in two recipients of renal homografts. *Am Rev Respir Dis* 109:4-10, Jan 74
*ABSCISS, etiology/ ADOLESCENCE/ ADULT/
AZATHIOPRINE, adverse effects/ CROSS
INFECTION/ DACTINOMYCIN,
adverse effects/ FEMALE/ HUMAN/
*IMMUNOSUPPRESSION, adverse effects/
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*MYCOBACTERIUM INFECTIONS,
microbiology/ *OSTEOMYELITIS, etiology/
PREDNISONE, adverse effects/ RADIATION
EFFECTS/ SKIN TESTS/
TRANSPLANTATION, HOMOLOGOUS/
TUBERCULIN TEST
1410. Graziano V, D'Angelo M, Ferrara P: Sulle modificazioni istomorfologiche della gengiva in ratti trattati con estroprogestinici. *Minerva Stomatol* 22:26-31, Jan-Feb 73 (Ita)
ANIMAL EXPERIMENTS/ CONTRACEPTIVES,
ORAL, pharmacodynamics/ ENGLISH
ABSTRACT/ *GINGIVITIS, chemically induced/
*PROGESTERONE, pharmacodynamics/ RATS
1411. Grdina DJ, Milas L, Hewitt RR, et al: Buoyant density separation of human blood cells in renografin gradients. *Exp Cell Res* 81:250-4, Sep 73
*BLOOD CELLS/ CELL COUNT/ CELL LINE/
CELLS, CULTURED, drug effects/
*CENTRIFUGATION, DENSITY GRADIENT,
standards/ *DIATRIZOATE/ DIATRIZOATE,
pharmacodynamics/ ERYTHROCYTES, drug
effects/ EVALUATION STUDIES/ FEMALE/
HAMSTERS/ HUMAN/ METHODS/ OVARY
1412. Greaves M, Janosy G: Elicitation of selective T and B lymphocyte responses by cell surface binding ligands. *Transplant Rev* 11:87-130, 1972 (172 ref.)
ANIMAL EXPERIMENTS/ BACTERIA,
immunology/ BINDING SITES, ANTIBODY/
CATTLE, immunology/ COMPLEMENT/
CORTISONE, pharmacodynamics/
FLUORESCENT ANTIBODY TECHNIC/
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SERUMS/ *IMMUNITY, CELLULAR/
IMMUNOGLOBULINS, biosynthesis/
*LIPOPOLYSACCHARIDES, pharmacodynamics/
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*PHYTOMITOGENS, pharmacodynamics/
RABBITS, immunology/ REVIEW/ SPLEEN,
immunology/ THYMECTOMY/ THYMUS
GLAND, immunology/ TRITIUM
1413. Greco MA, Klein S, Bigelow B: Lymphocytosis in the first-trimester placenta of a mother taking diphenylhydantoin. *N Engl J Med* 289:867-8, 18 Oct 73
ABORTION, INDUCED/ ADULT/
*DIPHENYLHYDANTOIN, adverse effects/
EPILEPSY, drug therapy/ FEMALE/ HUMAN/
*LYMPHOCYTOSIS, chemically induced/
PLACENTA, pathology/ *PLACENTA
DISORDERS, chemically induced/
PREGNANCY/ PREGNANCY
COMPLICATIONS, drug therapy/ TIME
FACTORS
1414. Green A: Chemicals used topically for ringworm in Australia. *Med J Aust* 2:777-9, 20 Oct 73
ADMINISTRATION, TOPICAL/ ANTIBIOTICS/
ANTIFUNGAL AGENTS, administration &
dosage/ ANTIFUNGAL AGENTS, adverse
effects/ *ANTIFUNGAL AGENTS, therapeutic
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- SERVICES/ LEGISLATION, DRUG/
PHOTOSENSITIZATION, chemically induced/
*PRESERINATIONS/ ROSANILINE DYES,
therapeutic use/ STEROIDS/ *TINEA, drug
therapy
1415. Green HO, Slotkin TA: Reserpine-like effects of harmaline on isolated adrenal medullary vesicles. *Mol Pharmacol* 9:748-55, Nov 73
ADENOSINE TRIPHOSPHATE, metabolism/
ADRENAL MEDULLA, drug effects/
ADRENAL MEDULLA, enzymology/
*ADRENAL MEDULLA, metabolism/
*ALKALOIDS, pharmacodynamics/ ANIMAL
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PYRIDINES, pharmacodynamics/ RATS/
*RESERPINE/ SEROTONIN, metabolism/
SWINE/ TIME FACTORS/ TRITIUM/
TYROSINE HYDROXYLASE, metabolism
1416. Green JD, Forman WH: Response of thymoma to steroids. *Chest* 65:114-6, Jan 74
AGED/ FEMALE/ HUMAN/ MEDIASTINAL
NEOPLASMS, radiography/ *PREDNISONE,
therapeutic use/ THORAX, surgery/
*THYMOMA, drug therapy/ THYMOMA,
radiography/ THYMOMA, surgery/ *THYMUS
NEOPLASMS, drug therapy/ THYMUS
NEOPLASMS, surgery
1417. Greenberg S, Kadowitz PJ, Diecke FP, et al: Effect of prostaglandin F2 alpha (PGF2 alpha) on arterial and venous contractility and 45Ca uptake. *Arch Int Pharmacodyn Ther* 205:381-98, Oct 73
ANIMAL EXPERIMENTS/ *ARTERIES, drug
effects/ ARTERIES, metabolism/ BARIUM,
pharmacodynamics/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ DOGS/
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pharmacodynamics/ RESERPINE,
pharmacodynamics/ SAPHENOUS VEIN, drug
effects/ TYRAMINE, pharmacodynamics/
*VEINS, drug effects/ VEINS, metabolism
1418. Greenberg S, Long JP, Diecke FP: Interaction of prostaglandin A2 with vascular smooth muscle tone and contractility. *Arch Int Pharmacodyn Ther* 205:399-414, Oct 73
ANIMAL EXPERIMENTS/ ARTERIES, drug
effects/ ARTERIES, metabolism/ BARIUM,
pharmacodynamics/ CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ DOGS/
DOSE-RESPONSE RELATIONSHIP, DRUG/
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POTASSIUM CHLORIDE, pharmacodynamics/
*PROSTAGLANDINS, pharmacodynamics/
SAPHENOUS VEIN, drug effects/
SAPHENOUS VEIN, metabolism/ TIME
FACTORS
1419. Greene HL, Taunton OD, Stifel FB, et al: The rapid changes of hepatic glycolytic enzymes and fructose-1,6-diphosphatase activities after intravenous glucagon in humans. *J Clin Invest* 53:44-51, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,

AUTHOR SECTION

- metabolism/ ADULT/ ANIMAL EXPERIMENTS/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FRUCTOSE/ *GLUCAGON, pharmacodynamics/ *HEXOSEDIPOHSPHATASE, metabolism/ HUMAN/ INSULIN, blood/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, metabolism/ MALE/ PHOSPHOFRUCTOKINASE, metabolism/ PYRUVATE KINASE, metabolism/ RATS
1420. Greene WH, Schimpff SC, Wiernik PH: Cell-mediated immunity in acute nonlymphocytic leukemia: relationship to host factors, therapy, and prognosis. *Blood* 43:1-14, Jan 74
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ DAUNOMYCIN, therapeutic use/ FEMALE/ HUMAN/ HYPERSENSITIVITY, DELAYED, immunology/ *IMMUNITY, CELLULAR/ LEUKEMIA, MONOBLASTIC, drug therapy/ *LEUKEMIA, MONOBLASTIC, immunology/ LEUKEMIA, MYELOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, immunology/ MALE/ MERCAPTOPYRINE, therapeutic use/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NITROBENZENES/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ SEX FACTORS/ SKIN TESTS/ VINCRISTINE, therapeutic use
1421. Greengard O, Dewey HK: The effect of glucose ingestion on basal and induced enzyme levels in rat tissues. *Biochim Biophys Acta* 329:241-50, 5 Dec 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/ *DIETARY CARBOHYDRATES, pharmacodynamics/ ENZYME INDUCTION/ ESTRADIOL, pharmacodynamics/ FEMALE/ GLUCAGON, pharmacodynamics/ *GLUCOSE, pharmacodynamics/ GLYCOLYSIS, drug effects/ *HEPATOMA, enzymology/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ *INTESTINES, enzymology/ KIDNEY, enzymology/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ NEOPLASMS, EXPERIMENTAL, enzymology/ PITUITARY GLAND, physiology/ RATS/ THYROXINE, pharmacodynamics/ TOLBUTAMIDE, pharmacodynamics/ TRYPTOPHAN, pharmacodynamics
1422. Greenwald GS: Quantitative aspects of follicular development in the untreated and PMS-treated cyclic hamster. *Anat Rec* 178:139-43, Jan 74
ESTRUS/ FSH, blood/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *GRAAFIAN FOLLICLE, growth & development/ HAMSTERS/ INJECTIONS, SUBCUTANEOUS/ LH, blood/ *OVULATION, drug effects/ TIME FACTORS
1423. Greer M: Management of the patient with acute stroke. *Geriatrics* 28:48-53, Dec 73
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ ANTICOAGULANTS, therapeutic use/ ARTERIAL OCCLUSIVE DISEASES, drug therapy/ BODY FLUIDS/ CARBON DIOXIDE, blood/ CEREBROVASCULAR DISORDERS, diagnosis/ CEREBROVASCULAR DISORDERS, drug therapy/ CEREBROVASCULAR DISORDERS, etiology/ CEREBROVASCULAR DISORDERS, physiology/ CEREBROVASCULAR DISORDERS, surgery/ *CEREBROVASCULAR DISORDERS, therapy/ FIBRINOLYTIC AGENTS, therapeutic use/ HEART, physiopathology/ HUMAN/ HYPOTENSION, drug therapy/ NECK, blood supply/ NOREPINEPHRINE, therapeutic use/ PHYSICAL EXAMINATION/ SUGAR ALCOHOLS, therapeutic use/ VASODILATOR AGENTS, therapeutic use
1424. Greer MA, Pantan P: Studies on iodine concentration in psammoma bodies in the thyroids of chronically iodine-deficient rats: effect of iodine repletion. *Am J Pathol* 73:775-88, Dec 73
ANIMAL EXPERIMENTS/ COLLOIDS, metabolism/ DEFICIENCY DISEASES, metabolism/ IODINE/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ MALE/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ THYROID GLAND, pathology
1425. Greve T, Kendrick JW: Some features of the early development of corpus luteum in the cow. *Nord Vet Med* 25:614-8, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CATTLE/ *CORPUS LUTEUM, growth & development/ CORPUS LUTEUM, physiology/ ESTRUS/ FEMALE/ OVARY, physiology/ OVULATION/ PALPATION/ TIME FACTORS
1426. Gridneva NK, Dorosheva NG: Nekotorye pokazateli polovo funktsii u zhenshchin pri zaholevanii shchitovidnoy zhelezy. *Vopr Okhr Materin Det* 18:79-82, Jan 73 (Rus)
ABORTION, physiopathology/ ADULT/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ HUMAN/ HYPOTHYROIDISM, physiopathology/ OVARY, physiopathology/ PREGNANCY/ *PREGNANCY COMPLICATIONS, physiopathology/ *THYROID DISEASES, complications/ THYROID GLAND FUNCTION TESTS/ VAGINAL SMEARS
1427. Griffiths EC, Hooper KC: Changes in hypothalamic peptidase activity during the oestrous cycle in the adult female rat. *Acta Endocrinol (Kbh)* 74:41-8, Sep 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ESTRUS/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ MALE/ METHODS/ OXYTOCIN, metabolism/ *PEPTIDE HYDROLASES, metabolism/ RATS/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS
1428. Griffiths EC, Hooper KC, Hopkinson CR: Evidence for an enzymic component in the rat hypothalamus capable of inactivating luteinizing hormone releasing factor (LRF). *Acta Endocrinol (Kbh)* 74:49-55, Sep 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ FEMALE/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, metabolism/ IODINE RADIOISOTOPES/ LH, metabolism/ *LH-FSH RELEASING HORMONE/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ METHODS/ OVULATION, drug effects/ *PEPTIDE HYDROLASES, physiology/ RADIOIMMUNOASSAY/ RATS/ STERILIZATION/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics
1429. Griffiths IR, Duncan ID: Myotonia in the dog: a report of four cases. *Vet Rec* 93:184-8, 18 Aug 73
ANIMAL EXPERIMENTS/ BIOPSY/ CREATINE KINASE, blood/ CUSHING'S SYNDROME, veterinary/ *DOG DISEASES, physiopathology/ DOGS/ ELECTRODES/ ELECTROMYOGRAPHY, veterinary/ FEMALE/ HINDLIMB, radiography/ MALE/ MYOTONIA, physiopathology/ *MYOTONIA, veterinary/ NEURAL CONDUCTION/ PARALYSIS, veterinary/ PHOTOGRAPHY/ SUCCINYLCHOLINE, pharmacodynamics
1430. Grillo D, Knight PL: Sirenomelia. *NY State J Med* 73:2783-6, 1 Dec 73
ADULT/ BONE AND BONES, abnormalities/ *ECTROMELIA, radiography/ FEMALE/ FETAL DEATH, radiography/ HUMAN/ PREGNANCY/ THUMB, abnormalities/ TRACHEOESOPHAGEAL FISTULA, occurrence/ WRIST, abnormalities
1431. Grimm J, Frank W: Stimulierung embryonaler Rattenzellen durch Kälberserum. VII. Abfall des intrazellulären cAMP-Spiegels nicht durch Abgabe des Nukleotids ins Kulturmedium bedingt. *Z Naturforsch [C]* 28:629-30, Sep-Oct 73 (Ger)
ADENOSINE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD/ CARBON

AUTHOR SECTION

- RADIOISOTOPES/ CATTLE/ *CELLS,
CULTURED, metabolism/ CULTURE MEDIA/
EMBRYO/ *FIBROBLASTS, metabolism/ IN
VITRO/ RATS/ TRITIUM
1432. Gripenberg J: Incorporation of guanethidine into isolated rat peritoneal mast cells and mast cell granules in vitro. *Acta Physiol Scand* 88:516-27, Aug 73
ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BUFFERS/ CALCIUM CHLORIDE, pharmacodynamics/ CYTOPLASMIC GRANULES, drug effects/ FEMALE/ GUANETHIDINE, antagonists & inhibitors/ *GUANETHIDINE, metabolism/ HYDROGEN-ION CONCENTRATION/ HYDROXYTRYPTOPHAN, pharmacodynamics/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MALE/ MAST CELLS, drug effects/ *MAST CELLS, metabolism/ PERITONEUM, cytology/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ TEMPERATURE/ TIME FACTORS
1433. Gromova VN, Titov GN, Bobreneva VA, et al: K mekhanizmu terapevticheskogo deystviya induktotermii, elektroforeza kalija pri virusnom gepatite u detei.
Vopr Kurortol Fizioter Lech Fiz Kult 38:430-4, 1973 (Rus)
ADOLESCENCE/ ADRENAL GLANDS, physiopathology/ CHILD/ *DIATHERMY/ *ELECTROPHORESIS/ *FEVER THERAPY/ *HEPATITIS, infectious, therapy/ HUMAN/ HYPOTHALAMUS, physiopathology/ PITUITARY GLAND, physiopathology/ *POTASSIUM, therapeutic use
1434. Groniowski J: Ginekografia.
Pol Przegl Radiol 37:771-7, Nov-Dec 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ FALLOPIAN TUBE NEOPLASMS, radiography/ FEMALE/ *GENITALIA, FEMALE, radiography/ GYNECOLOGIC DISEASES, diagnosis/ *GYNECOLOGIC DISEASES, radiography/ HUMAN/ METHODS/ MIDDLE AGE/ OVARIAN NEOPLASMS, radiography/ UTERINE NEOPLASMS, diagnosis
1435. Groom GV, Boyns AR: Effect of hypothalamic releasing factors and steroids on release of gonadotrophins by organ cultures of human foetal pituitaries.
J Endocrinol 59:511-22, Dec 73
DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FETUS/ *FSH, secretion/ HUMAN/ HYPOTHALAMUS/ *LH, secretion/ ORGAN CULTURE/ *PITUITARY GLAND, drug effects/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RADIOIMMUNOASSAY/ *SEX HORMONES, pharmacodynamics/ SHEEP/ TESTOSTERONE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TISSUE EXTRACTS
1436. Groot-Wassink K, Blawert H: Vergleichende Untersuchungen zur Ovulation by Follistiman und Pergonal.
Zentralbl Gynaekol 95:1019-24, 27 Jul 73 (Ger)
ADULT/ *AMENORRHEA, drug therapy/ BODY TEMPERATURE, drug effects/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ GONADOTROPINS, administration & dosage/ GONADOTROPINS, PITUITARY, pharmacodynamics/ *GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ MENOTROPINS, administration & dosage/ MENOTROPINS, pharmacodynamics/ *MENOTROPINS, therapeutic use/ OVARIAN CYSTS/ PREGNANCY/ PREGNANEDIOL, urine
1437. Groot-Wassink K, Herrmann U, Rohde W, et al: Möglichkeiten der klinischen Anwendung von synthetischem LH-Releasing-Hormon in der Gynäkologie.
Zentralbl Gynaekol 95:1010-8, 27 Jul 73 (Ger)
- ADULT/ *AMENORRHEA, drug therapy/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ ENGLISH ABSTRACT/ ESTROGENS, urine/ LH, blood/ LH-FSH RELEASING HORMONE, administration & dosage/ LH-FSH RELEASING HORMONE, pharmacodynamics/ *LH-FSH RELEASING HORMONE, therapeutic use/ MALE/ OVULATION, drug effects/ PREGNANEDIOL, urine/ PROGESTERONE, blood
1438. Grosman N: Study on the hyaluronic acid-protein complex, the molecular size of hyaluronic acid and the exchangeability of chloride in skin of mice before and after oestrogen treatment.
Acta Pharmacol Toxicol (Kbh) 33:201-8, 1973
ANIMAL EXPERIMENTS/ *CHLORIDES, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ *ESTRADIOL, pharmacodynamics/ GEL FILTRATION/ HYALURONIC ACID, isolation & purification/ *HYALURONIC ACID, metabolism/ MALE/ MICE/ POLYSACCHARIDES/ PROTEIN BINDING, drug effects/ RADIOISOTOPES/ SKIN, drug effects/ *SKIN, metabolism/ STIMULATION, CHEMICAL/ TIME FACTORS
1439. Gross E, Noda K, Nisula B: Solid phase synthesis of peptides with carboxyl-terminal amides--thyrotropin-releasing factor (TRF).
Angew Chem [Engl] 12:644-5, Aug 73
AMIDES/ METHODS/ PEPTIDES, chem synthesis/ *THYROTROPIN RELEASING HORMONE, chem synthesis
1440. Gross F: New drug development--expectations and speculations.
Acta Pharm Suec 10:401-24, Nov 73 (62 ref.)
ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ANTIBIOTICS, therapeutic use/ ANTIDEPRESSIVE AGENTS, therapeutic use/ ANTIHISTAMINICS, therapeutic use/ DRUG COMPOUNDING/ DRUG EVALUATION/ *DRUG THERAPY/ ENZYMES, antagonists & inhibitors/ HUMAN/ PHARMACOLOGY/ PITUITARY HORMONES, therapeutic use/ PLACEBOS/ PROSTAGLANDINS, therapeutic use/ RESEARCH/ REVIEW/ SELF MEDICATION/ TRANQUILIZING AGENTS, therapeutic use
1441. Gross S, Maskaleris ML: Letter: Dermatomyositis: urinary chromatographic findings by alkaline autoanalysis for peptides (one case).
Clin Chem 19:1412-3, Dec 73
ADOLESCENCE/ AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ DERMATOMYOSITIS, drug therapy/ *DERMATOMYOSITIS, urine/ FEMALE/ HUMAN/ MALE/ METHOTREXATE, therapeutic use/ MUSCULAR DYSTROPHY, familial & genetic/ MUSCULAR DYSTROPHY, urine/ *PEPTIDES, urine/ PREDNISONE, therapeutic use
1442. Gross SR, Mayer SE: The phosphorylation of troponin B by phosphorylase h kinase in skeletal muscle of mice carrying the phosphorylase h kinase deficiency gene.
Biochem Biophys Res Commun 54:823-30, 18 Sep 73
ACETIC ACIDS, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ COMPARATIVE STUDY/ *GENES, STRUCTURAL/ GLYCOLS, pharmacodynamics/ GUINEA PIGS, immunology/ KINETICS/ MICE/ MICE, INBRED STRAINS/ *MUSCLE PROTEINS, metabolism/ MUSCLES, drug effects/ *MUSCLES, enzymology/ MUTATION/ PHOSPHORUS RADIOISOTOPES/ *PHOSPHORYLASE KINASE, metabolism/ PROTEIN KINASE, metabolism/ SPECIES SPECIFICITY/ TIME FACTORS/ ULTRACENTRIFUGATION
1443. Gross WB, Siegel PB: Effect of social stress and steroids on antibody production.
Avian Dis 17:807-15, Oct-Dec 73
ADMINISTRATION, ORAL/ ADRENAL GLANDS, drug effects/ ANIMAL

AUTHOR SECTION

- EXPERIMENTS/ *ANTIBODY FORMATION/
ANTIGENS, BACTERIAL, administration &
dosage/ *CHICKENS, immunology/
CORTICOTROPIN, blood/ DDD, administration
& dosage/ DDD, pharmacodynamics/
DEXAMETHASONE, administration & dosage/
DEXAMETHASONE, pharmacodynamics/
ESCHERICHIA COLI, immunology/
*GLUCOCORTICOID, pharmacodynamics/
HOUSING, ANIMAL/ INJECTIONS,
INTRAVENOUS/ METYRAPONE,
administration & dosage/ METYRAPONE,
pharmacodynamics/ SELECTION (GENETICS)/
*STRESS, veterinary
1444. Grossman SP, Grossman L: Persisting deficits in rats
"recovered" from transections of fibers which enter
or leave hypothalamus laterally.
J Comp Physiol Psychol 85:515-27, Dec 73
ANIMAL EXPERIMENTS/ *APPETITE
REGULATION/ APPETITE REGULATION,
drug effects/ BLOOD SUGAR/ BODY
WEIGHT/ COLD/ *DRINKING/ *EATING/
EATING, drug effects/ FEMALE/ GLOBUS
PALLIDUS, physiology/ GLUCOSE,
pharmacodynamics/ *HYPOTHALAMUS,
physiology/ INSULIN, pharmacodynamics/
NEURAL INTERCONNECTIONS/
POLYETHYLENE GLYCOLS,
pharmacodynamics/ RATS/ SODIUM
CHLORIDE, pharmacodynamics/ STEREOTAXIC
TECHNICS/ TASTE/ WATER-ELECTROLYTE
BALANCE, drug effects
1445. Grotta LJ: The effects of the placenta and fetal fluids on
the acceptance of foster young.
Dev Psychobiol 6:495-502, Nov 73
*AMNIOTIC FLUID, physiology/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
DELIVERY/ EATING/ FEMALE/ LIVER,
physiology/ *MATERNAL BEHAVIOR, drug
effects/ *PLACENTA, physiology/
PREGNANCY/ RATS/ *TISSUE EXTRACTS,
pharmacodynamics
1446. Groza P, Gheorghe N, Stefan M, et al: The effect of
irradiation upon gastric secretion of
adrenalectomized rats.
Rev Roum Physiol 10:435-40, 1973
*ADRENALECTOMY/ ANIMAL
EXPERIMENTS/ *GASTRIC JUICE, secretion/
*RADIATION EFFECTS/ RATS/ *STOMACH,
radiation effects
1447. Grudziński M, Darwaj B, Markiewicz M: Bioelektryczna
czynność mózgu u zwierząt z krwawieniami
czynnościowymi okresu dojrzewania.
Pol Tyg Lek 28:1800-2, 12 Nov 73 (Pol)
ADOLESCENCE/ ADULT/ AGE FACTORS/
*BRAIN, physiology/ CHILD/
ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
*MENSTRUATION DISORDERS,
physiopathology/ PUBERTY
1448. Gründer HD: Zur Entwicklungsgeschichte der
Kastration weiblicher Rinder.
Dtsch Tierärztl Wochenschr 80:499-502, 1 Nov 73
(Ger)
AFRICA/ ANIMAL EXPERIMENTS/
*CASTRATION, history/ *CATTLE/ ENGLISH
ABSTRACT/ EUROPE/ FEMALE/
HISTORICAL ARTICLE/ HISTORY OF
MEDICINE, ANCIENT/ HISTORY OF
MEDICINE, 19TH CENT./ HISTORY OF
MEDICINE, 20TH CENT./ NORTH AMERICA/
SOUTH AMERICA/ VETERINARY MEDICINE,
history
1449. Grunert E, Müller-Schlösser F, Ahlers D: Beitrag zur
Behandlung von Ovarialzysten des Rindes mit einem
synthetischen LH-FSH-Releasing-Hormon.
Dtsch Tierärztl Wochenschr 80:469-71, 15 Oct 73
(Ger)
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE
DISEASES, drug therapy/ ENGLISH
ABSTRACT/ FEMALE/ *LH-FSH RELEASING
HORMONE, therapeutic use/ OVARIAN
CYSTS, drug therapy/ *OVARIAN CYSTS,
veterinary
1450. Gubareva AV: Androblastomy laichnikov,
Industrirovannye pronikalushchim izlucheniem.
Arkh Patol 34:17-21, 1972 (Rus)
ANIMAL EXPERIMENTS/
*ARRHENOBlastoma, pathology/ COBALT
RADIOISOTOPES/ ENGLISH ABSTRACT/
FEMALE/ MICE/ NEOPLASMS,
EXPERIMENTAL, pathology/ *NEOPLASMS,
RADIATION-INDUCED, pathology/ *OVARIAN
NEOPLASMS, pathology/ SERTOLI CELL
TUMOR, pathology/ TIME FACTORS
1451. Guedon J, Luscko M, Lissac J: Physiopathologie des
troubles hydro-électrolytiques de l'insuffisance
cardiaque.
Acta Cardiol (Brux) Suppl 17:25-40, 1973 (Fre)
ALDOSTERONE, metabolism/
CATECHOLAMINES, metabolism/ ENGLISH
ABSTRACT/ *HEART FAILURE,
CONGESTIVE, complications/ HEART
FAILURE, CONGESTIVE, physiopathology/
HEMODYNAMICS/ HUMAN/
HYPERALDOSTERONISM, etiology/
HYPOKALEMIA, etiology/ HYPONATREMIA,
etiology/ KIDNEY, physiopathology/
POTASSIUM, metabolism/ RENIN, metabolism/
SODIUM, metabolism/ VASOPRESSIN,
metabolism/ WATER, metabolism/
*WATER-ELECTROLYTE BALANCE
1452. Guichard A, Cedard L, Haffen K, et al: Métabolisme de
la prégnénolone et de la progesterone radio-actives
par les gonades embryonnaires de callee (coturnix
coturnix japonica) en culture organo-typique.
Gen Comp Endocrinol 21:478-84, Dec 73 (Fre)
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ ENGLISH ABSTRACT/
ESTROGENS, biosynthesis/ GONADS,
embryology/ GONADS, enzymology/ *GONADS,
metabolism/ HYDROXYSTEROID
DEHYDROGENASES, metabolism/ OVARY,
metabolism/ *PREGNENOLONE, metabolism/
*PROGESTERONE, metabolism/ TESTIS,
metabolism/ TESTOSTERONE, biosynthesis/
TRITIUM
1453. Gulloff E, Ibarra-Polo A, Zafartu J, et al: Effect of
contraception on lactation.
Am J Obstet Gynecol 118:42-5, 1 Jan 74
ADMINISTRATION, ORAL/ ADOLESCENCE/
ADULT/ CHLORMADINONE, administration &
dosage/ CHLORMADINONE,
pharmacodynamics/ COMPARATIVE STUDY/
*CONTRACEPTION/ DRUG COMBINATIONS/
DRUG SYNERGISM/ ETHINYL ESTRADIOL,
administration & dosage/ ETHINYL
ESTRADIOL, administration & dosage/
ETHINYL ESTRADIOL, pharmacodynamics/
FEMALE/ HUMAN/ INJECTIONS,
INTRAMUSCULAR/ INTRAUTERINE
DEVICES/ *LACTATION, drug effects/
MEDROXYPROGESTERONE, administration &
dosage/ MEDROXYPROGESTERONE,
pharmacodynamics/ MESTRANOL,
pharmacodynamics/ NORETHINDRONE,
administration & dosage/ NORETHINDRONE,
pharmacodynamics/ PARITY/ PREGNANCY/
QUINESTROL, pharmacodynamics/
QUINGESTANOL, administration & dosage/
QUINGESTANOL, pharmacodynamics/ TIME
FACTORS
1454. Guin'-Van-Tam, Tselbenko VO: Vplyv podraznennia
riznykh struktur hipotalamusa na krov'ianyly tisk u
velykomu i malomu koll krov'ohihu.
Fiziol Zh 19:642-53, Sep-Oct 73 (Ukr)
ANIMAL EXPERIMENTS/ *BLOOD
PRESSURE/ DOGS/ ELECTRIC
STIMULATION/ ENGLISH ABSTRACT/
*HYPOTHALAMUS, physiology/ PULMONARY
CIRCULATION/ STEREOTAXIC TECHNIQS
1455. Gulti N, Abtahi F: Pharmacological effects of
doxycycline on the mammal's intestine and
cardiovascular system. Chemotherapy 19:65-74, 1973
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CALCIUM, metabolism/
*CARDIOVASCULAR SYSTEM, drug effects/
CAROTID ARTERIES, drug effects/ DOGS/
DOSE-RESPONSE RELATIONSHIP, DRUG/

AUTHOR SECTION

- *DOXYCYCLINE, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ GASTROINTESTINAL MOTILITY, drug effects/ HEART, drug effects/ IN VITRO/ *INTESTINES, drug effects/ JEJUNUM, drug effects/ MALE/ RABBITS/ VASCULAR RESISTANCE, drug effects
1456. Guldberg HC, Marsden CA: Proceedings: Brain monoamines and the increase in motor activity in the rat after amphetamine. Br J Pharmacol 44:347P-348P, Feb 72
*AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, metabolism/ BRAIN, physiology/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ *DOPAMINE, metabolism/ HIPPOCAMPUS, metabolism/ *MOTOR ACTIVITY, drug effects/ *NOREPINEPHRINE, metabolism/ RATS/ RETICULAR FORMATION, physiology/ *SEROTONIN, metabolism/ SUBSTANTIA NIGRA, physiology
1457. Guldner FH, Wolff JR: Multi-lamellar astroglial wrapping of neuronal elements in the hypothalamus of rat. Experientia 29:1355-6, 15 Nov 73
ANIMAL EXPERIMENTS/ DENDRITES/ *HYPOTHALAMUS, cytology/ MICROTUBULES/ *NEUROGLIA, cytology/ *NEURONS, cytology/ RATS/ SYNAPSES, cytology
1458. Gullberg R, Elman A: Posterior subcapsular cataract in rheumatoid arthritis patients after long-term, low-dosage paramethasone therapy. Scand J Rheumatol 2:113-8, 1973
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ARTHRITIS, RHEUMATOID, complications/ *ARTHRITIS, RHEUMATOID, drug therapy/ *CATARACT, chemically induced/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PARAMETHASONE, administration & dosage/ *PARAMETHASONE, adverse effects/ PARAMETHASONE, therapeutic use/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, adverse effects/ PREDNISOLONE, therapeutic use/ TIME FACTORS
1459. Gumprecht JG, Wriston JC Jr: Purification and partial sequencing of cyanogen bromide peptides from L-asparaginase of Escherichia coli B. Biochemistry 12:4869-77, 20 Nov 73
AMINO ACIDS, analysis/ *ASPARAGINASE, analysis/ AUTOANALYSIS/ CARBOXYPEPTIDASES/ CHROMATOGRAPHY, ION EXCHANGE/ CHYMOTRYPSIN/ CYANOGEN BROMIDE/ DANSYL COMPOUNDS/ *ESCHERICHIA COLI, enzymology/ GEL FILTRATION/ PEPTIDE FRAGMENTS, analysis/ *PEPTIDE FRAGMENTS, isolation & purification/ THIOCYANATES/ TRYPSIN
1460. Gumulka W, Rewerski W, Strzalkowska M: Niektóre właściwości biologiczne i farmakologiczne prostaglandyn. Pol Tyg Lek 28:1904-7, 26 Nov 73 (33 ref.) (Pol)
ABORTION, INDUCED/ BIOTRANSFORMATION/ CARDIOVASCULAR SYSTEM, drug effects/ CHEMISTRY/ FEMALE/ FERTILIZATION, drug effects/ HUMAN/ MALE/ PARITY/ PREGNANCY/ *PROSTAGLANDINS/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, classification/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ RESPIRATORY SYSTEM, drug effects/ REVIEW/ UROGENITAL SYSTEM, drug effects
1461. Gumulka W, Rewerski W, Strzalkowska M: Wpływ prostaglandyn grupy F (PGF) na układ nerwowy. Pol Tyg Lek 28:1952-4, 3 Dec 73 (Pol)
ACETYLCHOLINE, secretion/ ANIMAL EXPERIMENTS/ AUTONOMIC NERVOUS SYSTEM, drug effects/ CATS/ CHICKENS/ MOVEMENT, drug effects/ MUSCLES, drug effects/ *NERVOUS SYSTEM, drug effects/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, chem synthesis/ PROSTAGLANDINS, classification/ *PROSTAGLANDINS, pharmacodynamics/ SPINAL CORD, drug effects
1462. Günzel I, Müller WA: Bone mineral metabolism in mice after fracture of tibiae, double labelling with ⁴⁷Ca and ²²⁴Ra. Biophysik 10:267-72, 1973
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ FEMALE/ FEMUR, metabolism/ HUMERUS, metabolism/ MICE/ RADIATION DOSAGE/ *RADIUM, metabolism/ SKULL, metabolism/ SPINE, metabolism/ *TIBIAL FRACTURES, metabolism
1463. Gupta BM, Bhandari B: Nutritional assessment of rural pre-school children. Indian J Pediatr 40:142-6, Apr 73
ANEMIA, occurrence/ CHILD, PRESCHOOL/ *DEFICIENCY DISEASES, occurrence/ FEMALE/ HUMAN/ INDIA/ INFANT/ MALE/ PROTEIN-CALORIE MALNUTRITION, occurrence/ RICKETS, occurrence/ *RURAL HEALTH/ RURAL POPULATION/ VITAMIN A DEFICIENCY, occurrence
1464. Gupta OK, Saksena PN, Gupta NN: A clinical study of 856 patients with diphtheria. Indian J Pediatr 40:93-101, Mar 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ DIPHTHERIA, complications/ *DIPHTHERIA, diagnosis/ DIPHTHERIA, mortality/ DIPHTHERIA, occurrence/ DIPHTHERIA, therapy/ FEMALE/ HUMAN/ INFANT/ MALE/ SEASONS/ SEX FACTORS/ TRACHEOTOMY, adverse effects
1465. Gur'eva IG, Borisova NB: Zavisimost' mezhdu mineralokortikoidnoi aktivnost' i elektrolitnymi izmeneniyami pri tuherkuleze legkikh. Probl Tuherk 51:48-53, 1973 (Rus)
ADOLESCENCE/ ADULT/ CHILD/ CHROMATOGRAPHY, THIN LAYER/ CIRCADIAN RHYTHM/ *ELECTROLYTES, blood/ ENGLISH ABSTRACT/ ERYTHROCYTES, analysis/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MINERALOCORTICOIDS, urine/ PHOTOMETRY/ *TUBERCULOSIS, PULMONARY, metabolism
1466. Gurevich MI, Kartseva AG: Vplyv elektrychnoi stymulatsii struktur myhdalevydnoho kompleksu liudyny na hemodynamiku. Fiziol Zh 19:637-41, Sep-Oct 73 (Ukr)
*AMYGDALOID BODY, physiopathology/ ELECTRIC STIMULATION/ ELECTROCARDIOGRAPHY/ ELECTRODES, IMPLANTED/ ENGLISH ABSTRACT/ *HEART RATE/ HUMAN/ PLETHYSMOGRAPHY, IMPEDANCE
1467. Gurley LR, Walters RA: Evidence from triton X-100 polyacrylamide gel electrophoresis that histone f2a2, not f2b, is phosphorylated in Chinese hamster cells. Biochem Biophys Res Commun 55:697-703, 10 Dec 73
BINDING SITES/ CELL LINE/ ELECTROPHORESIS, DISC/ HAMSTERS/ HISTONES, analysis/ *HISTONES, metabolism/ ISOTOPE LABELING/ LYSINE/ OVARY, metabolism/ PHOSPHATES/ PHOSPHOPROTEINS, biosynthesis/ PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ *PROTEIN KINASE, metabolism/ SURFACE-ACTIVE AGENTS/ TIME FACTORS/ TRITIUM
1468. Gurtovoi BI, Grashchenkova ZP: Klinika i lechenie poslerodovogo (laktatsionnogo) mastita. Akush Ginekol (Mosk) 49:51-4, Aug 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/

AUTHOR SECTION

- FEMALE/ HUMAN/ IMMUNOTHERAPY/
*LACTATION DISORDERS, drug therapy/
*MASTITIS, drug therapy/ PHYSICAL
THERAPY/ PREGNANCY/ *PUERPERAL
DISORDERS, drug therapy/
STAPHYLOCOCCAL INFECTIONS, drug
therapy/ SULFANILAMIDE, therapeutic use
1469. Gusberg SB: Proceedings: Hormonal relations of
endometrial cancer.
Proc Natl Cancer Conf 7:213-7, 1973
ANIMAL EXPERIMENTS/ ESTRADIOL,
metabolism/ ESTROGENS, metabolism/
*ESTROGENS, physiology/ ESTROGENS,
therapeutic use/ FEMALE/
*GONADOTROPINS, PITUITARY, physiology/
HUMAN/ MICE/ PROTEIN BINDING/
RABBITS/ RATS/ *RECEPTORS, HORMONE/
UTERINE NEOPLASMS, drug therapy/
*UTERINE NEOPLASMS, physiopathology/
UTERUS, metabolism
1470. Guthrow CE, Rasmussen H, Brunswick DJ, et al:
Specific photoaffinity labelling of the adenosine
3':5'-cyclic monophosphate receptor in intact ghosts
from human erythrocytes.
Proc Natl Acad Sci USA 70:3344-6, Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, blood/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE, metabolism/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ AZO COMPOUNDS,
metabolism/ AZO COMPOUNDS,
pharmacodynamics/ BINDING, COMPETITIVE/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ ENZYME ACTIVATION/
*ERYTHROCYTES, analysis/ ERYTHROCYTES,
metabolism/ MALONATES, metabolism/
MALONATES, pharmacodynamics/
*PHOTOLYSIS/ PROTEIN KINASE, blood/
*RECEPTORS, DRUG/ TRITIUM
1471. Gutierrez Millet V, Casado Pérez S, Rodicio Díaz JL, et
al: Aldosteronismo primario (estudio clínico y
evolución de ocho casos).
Rev Clin Esp 131:11-20, 15 Oct 73 (Spa)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ *HYPERALDOSTERONISM, diagnosis/
HYPERALDOSTERONISM, drug therapy/
HYPERALDOSTERONISM, surgery/ MALE/
MIDDLE AGE/ SPIRONOLACTONE,
therapeutic use
1472. Gutman Y, Tamir N, Benzakeln F: Effect of lithium on
plasma renin activity.
Eur J Pharmacol 24:347-51, Dec 73
ANIMAL EXPERIMENTS/ CHLORIDES,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ DRUG
INTERACTIONS/ KIDNEY, drug effects/
KIDNEY, metabolism/ KINETICS/ LITHIUM,
administration & dosage/ *LITHIUM,
pharmacodynamics/ MALE/ PERFUSION/
RATS/ RENIN, antagonists & inhibitors/
*RENIN, blood/ RENIN, metabolism/ SODIUM,
pharmacodynamics/ TIME FACTORS
1473. Guttman RD, Beaudoin JG, Gonda A, et al:
Immunosuppression and rehabilitation following
cadaveric renal transplantation. New developments.
Urology 1:102-7, Feb 73
ADOLESCENCE/ ADULT/ AZATHIOPRINE,
pharmacodynamics/ *CADAVER/ CHILD/
CYCLOPHOSPHAMIDE, pharmacodynamics/
FEMALE/ FOLLOW-UP STUDIES/ GRAFT
REJECTION, drug effects/ HEMODIALYSIS/
HOSPITALIZATION/ HUMAN/
*IMMUNOSUPPRESSION/ INFUSIONS,
PARENTERAL/ KIDNEY, physiology/
*KIDNEY, transplantation/ *KIDNEY
FAILURE, CHRONIC, rehabilitation/ KIDNEY
FAILURE, CHRONIC, therapy/
METHYLPREDNISOLONE, pharmacodynamics/
MIDDLE AGE/ PREDNISONE, administration
& dosage/ *TISSUE DONORS/
TRANSPLANTATION, HOMOLOGOUS/
*TRANSPLANTATION IMMUNOLOGY
1474. Gutzwiller P, Schuppli R: Zur Behandlung des
Lyell-Syndroms.
Dermatologica 147:1-5, 1973 (Ger)
ADULT/ AGED/ ANTIBIOTICS, therapeutic
use/ BLINDNESS, etiology/
BRONCHOPNEUMONIA, etiology/ CHILD,
PRESCHOOL/ CORTISONE, adverse effects/
ENGLISH ABSTRACT/ EPIDERMAL
NECROLYSIS, TOXIC, complications/
*EPIDERMAL NECROLYSIS, TOXIC, therapy/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
PNEUMONIA, etiology/ SEPTICEMIA, etiology
1475. Guyton AC, Coleman TG, Cowley AW Jr, et al: Systems
analysis of arterial pressure regulation and
hypertension. Ann Biomed Eng 1:254-81, Dec 73
ALDOSTERONE, blood/ ANGIOTENSIN, blood/
ANIMAL EXPERIMENTS/ ARTERIES,
physiopathology/ *BLOOD PRESSURE/
CAPILLARY PERMEABILITY/ CARDIAC
OUTPUT/ CHEMORECEPTORS, physiology/
COMPUTERS/ DOGS/ FEEDBACK/ HUMAN/
*HYPERTENSION, physiopathology/ KIDNEY,
physiology/ MEDULLA OBLONGATA,
physiology/ *MODELS, BIOLOGICAL/
OXYGEN, blood/ PRESSORECEPTORS,
physiology/ RENIN, blood/ SODIUM
CHLORIDE, administration & dosage/
*SYSTEMS ANALYSIS/ VASCULAR
RESISTANCE
1476. Gwatkin RB, Andersen OF: Effect of glycosidase
inhibitors on the capacitation of hamster spermatozoa
by cumulus cells in vitro.
J Reprod Fertil 35:565-7, Dec 73
ANIMAL EXPERIMENTS/ BENZOATES,
pharmacodynamics/
*CYCLOHEXANECARBOXYLIC ACIDS,
pharmacodynamics/ FREEZING/
GLUCURONIDASE, antagonists & inhibitors/
*GLYCOSIDE HYDROLASES, antagonists &
inhibitors/ *GRAAFIAN FOLLICLE, cytology/
HAMSTERS/ HYALURONIDASE, antagonists &
inhibitors/ IN VITRO/ *LACTONES,
pharmacodynamics/ MALE/ PHENOLS,
pharmacodynamics/ *SPERM CAPACITATION,
drug effects

H

1477. Ha TY, Waksman BH, Treffers HP: The thymic
suppressor cell. I. Separation of subpopulations with
suppressor activity. J Exp Med 139:13-23, 1 Jan 74
*ANTIBODY FORMATION/ *GAMMA
GLOBULIN/ HYDROCORTISONE,
pharmacodynamics/ IMMUNITY, CELLULAR/
*IMMUNOSUPPRESSION/ LH/
LYMPHOCYTES, drug effects/
*LYMPHOCYTES, immunology/ MALE/ RATS/
*THYMUS GLAND, immunology
1478. Haag D, Tschahargane C, Goerttler K: Untersuchungen
zur Polymerisation von Lipofuscin mittels
J-Band-Effekt.
Virchows Arch [Pathol Anat] 361:139-45, 12 Nov 73
(Ger)
ABSORPTION/ BRAIN CHEMISTRY/
BROMIDES/ ENGLISH ABSTRACT/
FLUORESCENCE/ HUMAN/ MELANIN/
MYOCARDIUM, analysis/ *PIGMENTS/
POLYMERS/ STAINS AND STAINING/
THIOCYANATES
1479. Haar MB ter, MacKinnon PC: Proceedings: Effects of
antibody to oestrogen and of sodium pentobarbital
on protein metabolism in the brain and anterior
pituitary, and on luteinizing hormone levels during
the oestrous cycle in the rat.
J Endocrinol 59:xii-xiii, Nov 73
ANIMAL EXPERIMENTS/ ANTIBODIES/
BRAIN, drug effects/ *BRAIN, metabolism/
*ESTROGENS/ ESTRUS, drug effects/
FEMALE/ *IMMUNE SERUMS,
pharmacodynamics/ *LH, metabolism/
*PENTOBARBITAL, pharmacodynamics/
PITUITARY GLAND, metabolism/ PROTEINS,
metabolism/ RATS
1480. Haarakangas H, Hyvärinen H, Ojanen M: Seasonal
variations and the effects of nesting and moulting on
liver mineral content in the mouse sparrow (Passer
domesticus L.).

AUTHOR SECTION

- Comp Biochem Physiol [A] 47:153-63, Jan 74
AGE FACTORS/ ANIMAL EXPERIMENTS/
*BIRDS, metabolism/ BIRDS, physiology/
*CALCIUM, metabolism/ *COPPER,
metabolism/ FEMALE/ *LIVER, metabolism/
*MAGNESIUM, metabolism/ MALE/ SEASONS/
*ZINC, metabolism
1481. Haas W, Münzenmaier R, Loewe KR: Beitrag zur Frage
der nitrofurantoin-induzierten chronischen
Lungenfibrose.
Dtsch Med Wochenschr 98:1867-71, 5 Oct 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic
use/ AGED/ AZATHIOPRINE, therapeutic use/
CHRONIC DISEASE/ ENGLISH ABSTRACT/
FEVER, complications/ HUMAN/ MALE/
*NITROFURANTOIN, adverse effects/
NITROFURANTOIN, therapeutic use/
*PULMONARY FIBROSIS, chemically induced/
PULMONARY FIBROSIS, drug therapy/
RESPIRATORY INSUFFICIENCY, chemically
induced
1482. Habermann E: Discrimination between binding to CNS,
toxicity and immunoreactivity of derivatives of tetanus
toxin.
Med Microbiol Immunol (Berl) 159:89-100, 26 Sep 73
ACETYLATION/ ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ BINDING SITES/
*BINDING SITES, ANTIBODY/ *BRAIN,
physiology/ CHLORAMINES/ COMPARATIVE
STUDY/ DISEASE MODELS, ANIMAL/
FEMALE/ FORMALDEHYDE/ IODIDES/
IODINE RADIOISOTOPES/ LIVER, physiology/
MALE/ MICE/ OXIDATION-REDUCTION/
RATS/ *SPINAL CORD, physiology/
*TETANUS, physiopathology/ TETANUS
TOXOID
1483. Haensch R: Spermatozoen-Autoimmunphänomene bei
Genitaltraumen und Verschlussspermie.
Spermagglutinin-Befunde und
fluoreszenzimmunologischer
Autoantikörpernachweis.
Andrologie 5:147-52, 1973 (Ger)
ADULT/ AGGLUTININS/ *AUTOANTIBODIES/
CELL COUNT/ ENGLISH ABSTRACT/
FLUORESCENT ANTIBODY TECHNIC/
GENITAL DISEASES, MALE, immunology/
HUMAN/ MALE/ *SPERMATOZOA,
immunology/ *STERILITY, MALE,
immunology/ *TESTIS, injuries/ VASECTOMY
1484. Haertel M, Zurbriggen S, Holzer H, et al: Gynäkographie
bei Gonadendysgenese zur Beurteilung der
Beckenorgane im Hinblick auf Neoplasien der
Keimdrüsen.
Helv Paediatr Acta 28:283-90, Oct 73 (Ger)
ADOLESCENCE/ CHILD/ ENGLISH
ABSTRACT/ FEMALE/
*GYNANDROBLASTOMA, radiography/
HUMAN/ METHODS/ *OVARIAN NEOPLASMS,
radiography/ *PELVIS, radiography/
TURNER'S SYNDROME, complications/
*TURNER'S SYNDROME, radiography/
UTERUS, abnormalities/ VIRILISM, etiology
1485. Hafes-Zedan H, Oplourde R: Steroid 1-dehydrogenation
and side-chain degradation enzymes in the life cycle
of *Fusarium solani*.
Biochim Biophys Acta 326:102-15, 17 Oct 73
ANDROSTENES, pharmacodynamics/
ANTIBIOTICS, pharmacodynamics/
CYCLOHEXIMIDE, pharmacodynamics/
ENZYME INDUCTION/ FUSARIUM, drug
effects/ *FUSARIUM, enzymology/ FUSARIUM,
growth & development/
HYDROXYPROGESTERONE, metabolism/
KINETICS/ *OXIDOREDUCTASES, analysis/
PROGESTERONE, pharmacodynamics/ SPORES,
FUNGAL, drug effects/ SPORES, FUNGAL,
enzymology/ STEROIDS, pharmacodynamics/
STRUCTURE-ACTIVITY RELATIONSHIP/
TESTOLACTONE, biosynthesis/
TESTOSTERONE, biosynthesis
1486. Hagen H, Szekely J, Hahn V: Vergleichende
Untersuchungen über Enzymaktivitäten aus der
Schleimhaut von Corpus und Endocervix uteri unter
verschiedenen hormonalen Bedingungen. I.
- Alkalische und saure Phosphatasen.
Zentralbl Gynaekol 95:1040-54, 27 Jul 73 (Ger)
*ACID PHOSPHATASE, analysis/ ADULT/
*ALKALINE PHOSPHATASE, analysis/ BODY
TEMPERATURE/ CERVIX MUCUS, analysis/
*CERVIX MUCUS, enzymology/
COMPARATIVE STUDY/ CURETTAGE/
*ENDOMETRIUM, enzymology/ ENGLISH
ABSTRACT/ ESTROGENS, urine/ FEMALE/
HUMAN/ METHODS/ PREGNANEDIOL, urine/
STERILITY, FEMALE, diagnosis/ STERILITY,
FEMALE, enzymology/ VAGINAL SMEARS
1487. Haggag G, el-Husseini M: The adrenal cortex and water
conservation in desert rodents.
Comp Biochem Physiol [A] 47:351-9, Jan 74
ADRENAL GLANDS, metabolism/ *ADRENAL
GLANDS, physiology/ ANALYSIS OF
VARIANCE/ ANIMAL EXPERIMENTS/
ASCORBIC ACID, metabolism/ BODY
TEMPERATURE REGULATION/
*DEHYDRATION/ DESERT CLIMATE/
DRINKING/ FEMALE/ GERBILS/ HEAT/
17-HYDROXYCORTICOSTEROIDS, blood/
17-KETOSTEROIDS, urine/ MALE/
POTASSIUM, urine/ *RODENTS, physiology/
SEASONS/ SEX FACTORS/ SODIUM, blood/
SPECIES SPECIFICITY
1488. Hagino Y, Nakashima M: Adrenergic receptors in rat
liver. I. Effects of epinephrine and adrenergic
blocking agents on gluconeogenesis in perfused liver.
Jap J Pharmacol 23:543-51, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ *ADRENERGIC ALPHA
RECEPTOR BLOCKADERS, pharmacodynamics/
*ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BUTYRATES/
*EPINEPHRINE, pharmacodynamics/
*GLUCONEOGENESIS, drug effects/
HYPOTHYROIDISM, metabolism/ LACTATES,
metabolism/ LIVER, drug effects/ *LIVER,
metabolism/ MALE/ PERFUSION/ RATS/
*RECEPTORS, ADRENERGIC
1489. Haglid K, Carlsson CA, Stavrou D: An immunological
study of human brain tumors concerning the brain
specific protein S-100 and 14.3.2.
Acta Neuropathol (Berl) 24:187-96, 16 May 73
ADENOMA, CHROMOPHOBE, metabolism/
ASTROCYTOMA, metabolism/ BIOPSY/ BRAIN
NEOPLASMS, immunology/ *BRAIN
NEOPLASMS, metabolism/ BRAIN
NEOPLASMS, pathology/ EPENDYMOMA,
metabolism/ FLUORESCENT ANTIBODY
TECHNIC/ FRONTAL LOBE, metabolism/
GLIOBLASTOMA MULTIFORME, metabolism/
HUMAN/ IMMUNE SERUMS/ MENINGIOMA,
metabolism/ NERVE TISSUE PROTEIN S 100,
metabolism/ NERVE TISSUE PROTEINS,
classification/ *NERVE TISSUE PROTEINS,
metabolism/ NEURILEMMOMA, metabolism/
OLIGODENDROGLIOMA, metabolism/
PAPILLOMA, metabolism/ PRECIPITATION
1490. Hahn HJ, Ziegler B, Butter R, et al: Untersuchungen an
Langerhans'schen Inseln in vitro. VII. Vergleichende
Untersuchungen zur Stimulation der Insulinsekretion
durch unterschiedliche Substrate bei der Ratte.
Endokrinologie 61:258-64, May 73 (Ger)
ANIMAL EXPERIMENTS/ ARGININE,
pharmacodynamics/ CAFFEINE,
pharmacodynamics/ CALCIUM,
pharmacodynamics/ DIAZOXIDE,
pharmacodynamics/ DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ ENGLISH
ABSTRACT/ GLIBENCLAMIDE,
pharmacodynamics/ GLUCOSE,
pharmacodynamics/ IN VITRO/ *INSULIN,
secretion/ *ISLANDS OF LANGERHANS, drug
effects/ ISLANDS OF LANGERHANS,
secretion/ LEUCINE, pharmacodynamics/
MALE/ RADIOIMMUNOASSAY/ RATS/ TIME
FACTORS/ XYLITOL, pharmacodynamics
1491. Hänel H, Mühlbach R, Lindenbain K, et al: Zum
Einfluss von Diphosphonat auf die experimentelle
Heparinosteopathie.
Z Alternsforsch 27:289-92, 1973 (Ger)

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ DISEASE MODELS,
ANIMAL/ ENGLISH ABSTRACT/ HEPARIN/
MALE/ OSTEOPOROSIS, chemically induced/
*OSTEOPOROSIS, drug therapy/
*PHOSPHONIC ACIDS, therapeutic use/ RATS
1492. Hald H: Über die Wirkung von Carbimazol auf die
Schilddrüse von Hähnchen. (Ger)
Endokrinologie 81:321-8, Jun 73
ANIMAL EXPERIMENTS/ CARBIMAZOLE,
administration & dosage/ *CARBIMAZOLE,
pharmacodynamics/ CHICKENS/ DIET/
ENGLISH ABSTRACT/ GLYCOPROTEINS,
metabolism/ HUMAN/ HYPERTROPHY/
IODINE RADIOISOTOPES/ ORGAN WEIGHT/
*THYROID GLAND, drug effects/ THYROID
GLAND, metabolism/ THYROID GLAND,
pathology/ TIME FACTORS
1493. Hainer V, Krejčík L, Tvaroh F: Trijodthyronin,
fyzologický, patofyziologický a klinický význam
(přehledný referát). (Cze)
Vnitr Lek 19:1152-8, Dec 73 (39 ref.)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
GOITER, ENDEMIC, metabolism/ HUMAN/
HYPERTHYROIDISM, blood/
HYPERTHYROIDISM, metabolism/
HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, metabolism/ IODINE,
metabolism/ MALE/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ REVIEW/ THYROID
GLAND, metabolism/ THYROID GLAND
FUNCTION TESTS/ TRIIODOTHYRONINE,
biosynthesis/ TRIIODOTHYRONINE, blood/
TRIIODOTHYRONINE, metabolism/
*TRIIODOTHYRONINE, physiology
1494. Hajjar ET, Jaber R: Hypercalcemia in
pheochromocytoma. J Med Liban 26:269-72, 1973
*ADRENAL GLAND NEOPLASMS,
complications/ ADRENAL GLAND
NEOPLASMS, diagnosis/ ADRENAL GLAND
NEOPLASMS, surgery/ ADRENALECTOMY/
ADULT/ FEMALE/ HUMAN/
*HYPERCALCEMIA, etiology/
*PHEOCHROMOCYTOMA, complications/
PHEOCHROMOCYTOMA, diagnosis/
PHEOCHROMOCYTOMA, surgery
1495. Hajjar ET, Salti IS: The co-existence of parathyroid
and thyroid disease. II. Primary hyperparathyroidism
and thyrotoxicosis. J Med Liban 26:247-52, 1973
*ADENOMA, complications/ ADULT/ FEMALE/
HUMAN/ HYPERCALCEMIA, etiology/
*HYPERPARATHYROIDISM, complications/
*HYPERTHYROIDISM, complications/
METHIMAZOLE, therapeutic use/
*PARATHYROID NEOPLASMS, complications/
THYROID GLAND, pathology
1496. Hajjar ET, Salti IS: Tuberculosis of the thyroid.
J Med Liban 26:273-8, 1973
AGED/ FEMALE/ HUMAN/ IODINE
ISOTOPES, DIAGNOSTIC/ RADIOISOTOPE
SCANNING/ *THYROID DISEASES,
complications/ THYROID DISEASES,
pathology/ THYROIDECTOMY/
*TUBERCULOSIS, ENDOCRINE, complications/
TUBERCULOSIS, ENDOCRINE, pathology
1497. Hajjar ET, Salti IS: The co-existence of parathyroid
and thyroid disease. I. Primary hyperparathyroidism
and thyroid carcinoma. J Med Liban 26:241-5, 1973
*ADENOMA, complications/ ADENOMA,
surgery/ *ADENOMA, EOSINOPHILIC,
complications/ ADENOMA, EOSINOPHILIC,
surgery/ ADULT/ *CARCINOMA, PAPILLARY,
complications/ CARCINOMA, PAPILLARY,
surgery/ HUMAN/ *HYPERPARATHYROIDISM,
complications/ MALE/ *NEOPLASMS,
MULTIPLE PRIMARY/ *PARATHYROID
NEOPLASMS, complications/ PARATHYROID
NEOPLASMS, surgery/ *THYROID
NEOPLASMS, complications/ THYROID
NEOPLASMS, surgery/ THYROIDECTOMY
1498. Hajjar RA, Anderson MS, Samaan NA:
Thyrotropin-releasing hormone as a
pituitary-function indicator. A comparison with other
tests. Arch Intern Med 132:836-9, Dec 73
- ADOLESCENCE/ ADULT/ AGED/
COMPARATIVE STUDY/ FEMALE/
GONADOTROPINS, PITUITARY, blood/
HUMAN/ 17-HYDROXYCORTICOSTEROIDS,
urine/ HYPOPHYSECTOMY/
*HYPOPITUITARISM, blood/
HYPOPITUITARISM, urine/ MALE/
METHODS/ MIDDLE AGE/ PITUITARY
GLAND, metabolism/ *PITUITARY GLAND
FUNCTION TESTS/ TESTOSTERONE, blood/
THYROTROPIN, blood/ THYROTROPIN
RELEASING HORMONE, blood/
*THYROTROPIN RELEASING HORMONE,
diagnostic use
1499. Håkanson R, Larsson LI, Owman C, et al: Fluorescence
and electron microscopic histochemistry of
endocrine-like cells in gastric mucosa and argyrophil
tumor of Praomys (Mastomys) natalensis. Analysis of
5-hydroxytryptamine, histamine, histidine
decarboxylase, and aromatic amino acid
decarboxylase. Histochemie 37:23-38, 3 Oct 73
ANIMAL EXPERIMENTS/ CARBOXY-LYASES,
analysis/ DOPA DECARBOXYLASE, analysis/
FEMALE/ GASTRIC MUCOSA, enzymology/
*GASTRIC MUCOSA, pathology/ HISTAMINE,
analysis/ HISTIDINE/
HISTOCYTOCHEMISTRY/ MICROSCOPY,
ELECTRON/ MICROSCOPY, FLUORESCENCE/
RODENTS/ SEROTONIN, analysis/ STOMACH
NEOPLASMS, enzymology/ STOMACH
NEOPLASMS, pathology/ *STOMACH
NEOPLASMS, veterinary
1500. Hakim AA: Effects of "acute burn serum inhibitor" and
"relaxing factors" on papillary muscles contractility.
Pfluegers Arch 343:235-55, 22 Oct 73
ADENOSINE TRIPHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ *BURNS, blood/
CALCIUM, metabolism/ DIGITOXIN,
pharmacodynamics/ DOGS/ ELECTRIC
STIMULATION/ EPINEPHRINE,
pharmacodynamics/ GUINEA PIGS/ HUMAN/
MICROSOMES, enzymology/ MICROSOMES,
metabolism/ *MUSCLE CONTRACTION, drug
effects/ *MUSCLE RELAXING FACTOR,
pharmacodynamics/ *MUSCLES, drug effects/
PAPILLARY MUSCLES, drug effects/
PAPILLARY MUSCLES, enzymology/
PAPILLARY MUSCLES, metabolism/
*PROTEINS, pharmacodynamics/ RABBITS/
RATS/ SARCOPLASMIC RETICULUM, drug
effects/ ULTRASONICS
1501. Hall CA, Beebe RT: Early onset of pernicious anaemia in
two siblings: genetic and autoimmune aspects.
Br J Haematol 25:751-8, Dec 73
ADOLESCENCE/ ADULT/ *ANEMIA,
PERNICIOUS, familial & genetic/ ANEMIA,
PERNICIOUS, immunology/
AUTOANTIBODIES, analysis/ AUTOIMMUNE
DISEASES, familial & genetic/ FEMALE/
FLUORESCENT ANTIBODY TECHNIC/
HUMAN/ HYPOTHYROIDISM, familial &
genetic/ INTRINSIC FACTOR/ MALE/
PEDIGREE/ STOMACH, immunology/
THYROID GLAND, immunology
1502. Halsall GM, Connolly JG, Mobbs BG, et al: Synkavit.
Radiosensitizing agent in prostatic carcinoma.
Urology 1:550-2, Jun 73
ACID PHOSPHATASE, metabolism/ ADIPOSE
TISSUE, analysis/ ANIMAL EXPERIMENTS/
BLADDER, analysis/ HYDROLYSIS/
INJECTIONS, INTRAVENOUS/ INTESTINES,
analysis/ LIVER, analysis/ MALE/ MONKEYS/
MUSCLES, analysis/ ORGANOPHOSPHORUS
COMPOUNDS, administration & dosage/
ORGANOPHOSPHORUS COMPOUNDS,
metabolism/ PROSTATE, analysis/
*PROSTATIC NEOPLASMS, radiotherapy/
RADIATION-SENSITIZING AGENTS,
administration & dosage/
*RADIATION-SENSITIZING AGENTS,
metabolism/ SPLEEN, analysis/ TESTIS,
analysis/ TRITIUM/ VITAMIN K, analysis/
VITAMIN K, urine
1503. Halmeyer GC, Elk-Nes KB: Transport of
5alpha-dihydrotestosterone by testicular lymph in the

AUTHOR SECTION

- dog. J Reprod Fertil 36:41-7, Jan 74
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ CATHETERIZATION/ DOGS/
FLOWMETERS/ *LYMPH, analysis/ MALE/
OXYGEN/ PERFUSION/ TEMPERATURE/
TESTIS, blood supply/ *TESTIS, metabolism/
*TESTOSTERONE, metabolism/ TRITIUM
1504. Hamet P, Kuchel O, Cuche JL, et al: Effect of
propranolol on cyclic AMP excretion and plasma renin
activity in labile essential hypertension.
Can Med Assoc J 109:1099-103, 1 Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, urine/ ADOLESCENCE/
ADULT/ BLOOD PRESSURE, drug effects/
CLINICAL RESEARCH/ FEMALE/ HEART
RATE, drug effects/ HUMAN/
*HYPERTENSION, drug therapy/ MALE/
PLACEBOS/ POSTURE/ *PROPRANOLOL,
therapeutic use/ PULSE, drug effects/
*RENIN, blood
1505. Hamilton BL: Projections of the nuclei of the
periaqueductal gray matter in the cat.
J Comp Neurol 152:45-58, 1 Nov 73
ANIMAL EXPERIMENTS/ CATS/ *CEREBRAL
AQUEDUCT, anatomy & histology/
*DIENCEPHALON, anatomy & histology/
GLOBUS PALLIDUS, anatomy & histology/
*HYPOTHALAMUS, anatomy & histology/
*MESENCEPHALON, anatomy & histology/
NERVE DEGENERATION/ NEURAL
INTERCONNECTIONS, anatomy & histology/
SILVER/ STAINS AND STAINING/
*SUPERIOR COLLICULUS, anatomy &
histology/ TEGMENTUM MESENCEPHALI,
anatomy & histology/ *THALAMIC NUCLEI,
anatomy & histology
1506. Hamilton DW, Allen WR, Moor RM: The origin of
equine endometrial cups. 3. Light and electron
microscopic study of fully developed equine
endometrial cups. Anat Rec 177:503-17, Dec 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/
CYTOPLASM/ *ENDOMETRIUM, cytology/
ENDOPLASMIC RETICULUM/ FEMALE/
GOLGI APPARATUS/ GONADOTROPINS,
EQUINE, biosynthesis/ GONADOTROPINS,
EQUINE, secretion/ HISTOCYTOCHEMISTRY/
*HORSES, anatomy & histology/ LIPIDS,
analysis/ LYMPHOCYTES/ MICROSCOPY/
ELECTRON/ MITOCHONDRIA/ PREGNANCY/
*PREGNANCY, ANIMAL/ TIME FACTORS/
*TROPHOBLAST, cytology
1507. Hamlin JL, Arquilla ER: Moniodoinsulin. Preparation,
purification, and characterization of a biologically
active derivative substituted predominantly on
tyrosine A14. J Biol Chem 249:21-32, 10 Jan 74
ALLOXAN DIABETES, blood/ AMINO ACID
SEQUENCE/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ BLOOD SUGAR/
CATTLE/ CHROMATOGRAPHY, ION
EXCHANGE/ CHYMOTRYPSIN/ CIRCULAR
DICHROISM/ CONVULSIONS/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ GUINEA PIGS, immunology/
HEMOLYSIS/ HYDROGEN-ION
CONCENTRATION/ *INSULIN, isolation &
purification/ INSULIN ANTIBODIES/
IODINE/ IODINE RADIOISOTOPES/ MICE/
MICE, INBRED C57BL/
OXIDATION-REDUCTION/
RADIOIMMUNOASSAY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
SULFITES/ TYROSINE
1508. Hammer DI, Calocci AV, Hasselblad V, et al: Cadmium
and lead in autopsy tissues.
J Occup Med 15:956-63, Dec 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ AUTOPSY/ BONE AND BONES,
analysis/ *CADMIUM, analysis/ CHILD/
CHILD, PRESCHOOL/ FEMALE/ HEPATITIS,
complications/ HUMAN/ INFANT/ INFANT,
NEWBORN/ KIDNEY CORTEX, analysis/
*LEAD, analysis/ LIVER, analysis/ MALE/
MIDDLE AGE/ NEGROES/ NEOPLASMS,
complications/ PANCREATITIS, complications/
SCLERODERMA, SYSTEMIC, complications/
- SEX FACTORS/ SMOKING, complications/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION
1509. Hampel A, Enger MD: Subcellular distribution of
aminoacyl-transfer RNA synthetases in Chinese
hamster ovary cell culture.
J Mol Biol 79:285-93, 15 Sep 73
*AMINO ACYL T RNA SYNTHETASES,
analysis/ CARBON RADIOISOTOPES/ CELL
FRACTIONATION/ CELL LINE/ CELL
MEMBRANE, enzymology/ CELL NUCLEUS,
enzymology/ CENTRIFUGATION, DENSITY
GRADIENT/ COMPARATIVE STUDY/
CYTOSOL, enzymology/ DIPLOIDY/
HAMSTERS/ KINETICS/ MICROSOMES,
enzymology/ OVARY, cytology/ *OVARY,
enzymology/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ SUBCELLULAR FRACTIONS,
enzymology/ TIME FACTORS
1510. Hanahan DJ: The erythrocyte membrane. Variability
and membrane enzyme activity.
Biochim Biophys Acta 300:319-40, 28 Nov 73 (33 ref.)
ACETYLCHOLINESTERASE, metabolism/
ADENOSINE TRIPHOSPHATASE, metabolism/
AGE FACTORS/ ANIMAL EXPERIMENTS/
CALCIUM, metabolism/ CATTLE/ CELL
FRACTIONATION/ *CELL MEMBRANE,
enzymology/ CELL MEMBRANE, metabolism/
*ERYTHROCYTES, cytology/ ERYTHROCYTES,
metabolism/ HEMOLYSIS/ HUMAN/
HYDROGEN-ION CONCENTRATION/
MAGNESIUM, metabolism/ OSMOLAR
CONCENTRATION/ POTASSIUM, metabolism/
REVIEW/ SODIUM, metabolism
1511. Hanaoka Y, Koya SM, Kondo Y, et al: Morphological
and functional maturation of the thyroid during early
development of anuran larvae.
Gen Comp Endocrinol 21:410-23, Dec 73
AGE FACTORS/ AMINO ACIDS, metabolism/
ANIMAL EXPERIMENTS/ *BUFO BUFO/
IODINE RADIOISOTOPES/ IODOTYROSINE,
biosynthesis/ LARVA, growth & development/
MORPHOGENESIS/ PROTEIN-BOUND IODINE
TEST/ THYROGLOBULIN, biosynthesis/
THYROID GLAND, anatomy & histology/
*THYROID GLAND, growth & development/
THYROID GLAND, physiology/ THYRONINE,
biosynthesis/ TRIIODOTHYRONINE,
biosynthesis/ *XENOPUS, physiology
1512. Handin RI: Editorial: Platelet-phagocyte interactions
in idiopathic thrombocytopenic purpura.
N Engl J Med 290:281-2, 31 Jan 74
ADRENAL CORTEX HORMONES,
pharmacodynamics/ ADRENAL CORTEX
HORMONES, therapeutic use/ ADULT/
ANIMAL EXPERIMENTS/ *BLOOD
PLATELETS, immunology/ HUMAN/ IGG,
biosynthesis/ LEUKOCYTES, metabolism/
PHAGOCYTES, metabolism/ *PHAGOCYTOSIS/
PHAGOCYTOSIS, drug effects/ PURPURA,
THROMBOCYTIC, drug therapy/ *PURPURA,
THROMBOCYTIC, immunology/ PURPURA,
THROMBOCYTIC, therapy/ RATS/ SPLEEN,
immunology/ SPLEEN, metabolism/
SPLENECTOMY
1513. Handler JS: The effect of cyclic AMP on membrane
permeability. J Supramol Struct 1:380-1, 1973
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ BLADDER,
cytology/ *BLADDER, metabolism/ CELL
MEMBRANE, drug effects/ CELL MEMBRANE,
metabolism/ *CELL MEMBRANE
PERMEABILITY, drug effects/ DIFFUSION/
EPITHELIUM, drug effects/ EPITHELIUM,
metabolism/ FROGS/ MEMBRANES,
ARTIFICIAL/ MODELS, BIOLOGICAL/ SKIN,
cytology/ *SKIN, metabolism/ TOADS/
VASOPRESSIN, pharmacodynamics/ WATER
1514. Hanley WL: Letter: Virilizing adrenal carcinoma.
Lancet 2:1153, 17 Nov 73
*ADRENAL GLAND NEOPLASMS,
complications/ ADRENAL GLAND
NEOPLASMS, pathology/ ADRENOGENITAL

AUTHOR SECTION

- SYNDROME, etiology/ ADRENOGENITAL SYNDROME, pathology/ CLITORIS, pathology/ FEMALE/ HUMAN/ INFANT/ *VIRILISM, etiology
1515. Hansen EW: A further analysis of the responsiveness of experienced and inexperienced ring dove (*Streptopelia risoria*) foster parents to squabs. *Dev Psychobiol* 6:557-65, Nov 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, growth & development/ BODY WEIGHT/ *BREEDING/ CROP, AVIAN, anatomy & histology/ *FEEDING BEHAVIOR/ FEMALE/ GONADS, anatomy & histology/ MALE/ ORGAN WEIGHT/ OVIPOSITION/ *PIGEONS, growth & development
1516. Hansen OP, Jessen B, Videbaek A: Prognosen for myelomatose under behandling med prednison og cytostatika. *Ugeskr Laeger* 135:1169-73, 4 Jun 73 (Dan)
AGED/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IGA/ IGG/ MALE/ MELPHALAN, therapeutic use/ MIDDLE AGE/ MULTIPLE MYELOMA, blood/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, mortality/ MYELOMA PROTEINS, blood/ PREDNISONE, therapeutic use/ PROGNOSIS/ SEX FACTORS/ TIME FACTORS
1517. Hansen OP, Jessen B, Videbaek A: Prognosis of myelomatosis on treatment with prednisone and cytostatics. *Scand J Haematol* 10:282-90, 1973
AGED/ *CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ ELECTROPHORESIS, PAPER/ FEMALE/ HUMAN/ IGA/ IGG/ MALE/ *MELPHALAN, therapeutic use/ MIDDLE AGE/ MULTIPLE MYELOMA, blood/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, mortality/ *MYELOMA PROTEINS, blood/ *PREDNISONE, therapeutic use/ PROGNOSIS/ SEX FACTORS/ TIME FACTORS
1518. Hansen WH, Davis KJ, Graham SL, et al: Long-term toxicity studies of erythrosine. II. Effects on haematology and thyroxine and protein-bound iodine in rats. *Food Cosmet Toxicol* 11:535-45, Aug 73
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS/ BODY WEIGHT, drug effects/ ERYTHROCYTE COUNT/ FEMALE/ *FOOD ADDITIVES, toxicity/ HEMATOCRIT/ HEMOGLOBIN/ *IODINE, blood/ MALE/ PROTEIN BINDING/ RATS/ RETICULOCYTES, drug effects/ *THYROXINE, blood
1519. Hansky J, Soveny C, Korman MG: Value of serum gastrin in the diagnosis of the Zollinger-Ellison syndrome. *Aust NZ J Med* 3:349-54, Aug 73
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ GASTRECTOMY/ GASTRIC JUICE, secretion/ *GASTRIN, blood/ HUMAN/ HYPERPARATHYROIDISM, complications/ ISLET CELL TUMOR, complications/ LIVER NEOPLASMS, blood/ LIVER NEOPLASMS, physiopathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RADIOIMMUNOASSAY/ SECRETORY RATE/ ZOLLINGER-ELLISON SYNDROME, blood/ ZOLLINGER-ELLISON SYNDROME, complications/ *ZOLLINGER-ELLISON SYNDROME, diagnosis/ ZOLLINGER-ELLISON SYNDROME, physiopathology/ ZOLLINGER-ELLISON SYNDROME, surgery
1520. Hansson V, Reusch E, Trygstad O, et al: FSH stimulation of testicular androgen binding protein. *Nature [New Biol]* 246:56-8, 14 Nov 73
AGE FACTORS/ *ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ EPIDIDYIMIS, metabolism/ *FSH, pharmacodynamics/ FSH, physiology/ HYPOPHYSECTOMY/ LH, pharmacodynamics/ MALE/ PITUITARY GLAND, physiology/ PROTEIN BINDING/ *PROTEINS, biosynthesis/ RATS/ STANOLONE, metabolism/ STIMULATION, CHEMICAL/ *TESTIS, metabolism/ TRITIUM
1521. Hantschmann L: Zur Pathogenese des Hochdrucks bei primärem Aldosteronismus. *Hippokrates* 44:331-2, Oct 73 (7 ref.) (Ger)
FEMALE/ HEMODYNAMICS/ HUMAN/ *HYPERALDOSTERONISM, complications/ *HYPERTENSION, etiology/ REVIEW
1522. Hanwell A, Linzell JL: The effects of engorgement with milk and of suckling on mammary blood flow in the rat. *J Physiol (Lond)* 233:111-25, Aug 73
ANIMAL EXPERIMENTS/ CARDIAC OUTPUT/ FEMALE/ *LACTATION/ *MAMMAE, blood supply/ MILK, secretion/ PREGNANCY/ RADIOISOTOPES/ RATS/ REGIONAL BLOOD FLOW/ RUBIDIUM/ SUCKING BEHAVIOR/ TIME
1523. Hanwell A, Linzell JL: The time course of cardiovascular changes in lactation in the rat. *J Physiol (Lond)* 233:93-109, Aug 73
ANIMAL EXPERIMENTS/ *BLOOD VOLUME/ *CARDIAC OUTPUT/ FEMALE/ INTESTINES, blood supply/ *LACTATION/ LIVER CIRCULATION/ MAMMAE, blood supply/ PREGNANCY/ RADIOISOTOPES/ RATS/ REGIONAL BLOOD FLOW/ RUBIDIUM/ SPLEEN, blood supply/ STOMACH, blood supply/ TIME FACTORS
1524. Hanzlik J, Tomaszewski J, Grzywa M: Wpływ kortykosteroidów na synteze białek w ustroju. *Pol Tyg Lek* 28:2024-7, 17 Dec 73 (25 ref.) (Pol)
*ADRENAL CORTEX HORMONES, physiology/ ANIMAL EXPERIMENTS/ CELL NUCLEUS, enzymology/ CYTOPLASM, enzymology/ ENZYME INDUCTION/ GENES, REGULATOR/ GENES, STRUCTURAL/ GENETIC CODE/ HUMAN/ LIVER, cytology/ LIVER, enzymology/ *PROTEINS, biosynthesis/ REVIEW/ RNA, MESSENGER/ RNA, RIBOSOMAL/ RNA, TRANSFER/ TRANSCRIPTION, GENETIC/ TRANSFERASES, metabolism/ TRANSLATION, GENETIC
1525. Hara M, Kayamori R: [Thyroid scintigraphy following thyroidectomy] *Jap J Nucl Med* 10:405-12, Aug 73 (Jap)
ENGLISH ABSTRACT/ GOITER, diagnosis/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ IODINE RADIOISOTOPES/ *RADIOISOTOPE SCANNING/ *THYROID GLAND/ THYROID NEOPLASMS, diagnosis/ *THYROIDECTOMY
1526. Hara T: Bone uptake of 99mTc-labeled triphosphosphate and long-chain polyphosphate. *Int J Appl Radiat Isot* 24:658-9, Nov 73
ANIMAL EXPERIMENTS/ BLADDER, metabolism/ *BONE AND BONES, metabolism/ BONE NEOPLASMS, diagnosis/ COMPARATIVE STUDY/ KIDNEY, metabolism/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, diagnosis/ *PHOSPHATES, metabolism/ RABBITS/ RADIOISOTOPE SCANNING/ SKULL, metabolism/ TECHNETIUM, blood/ *TECHNETIUM, metabolism
1527. Harada M, Nagatsu T: A sensitive fluorometric assay for monoamine oxidase activity. *Anal Biochem* 56:283-8, Nov 73
ANIMAL EXPERIMENTS/ BIOGENIC AMINES/ BRAIN, cytology/ *BRAIN, enzymology/ BRAIN STEM, cytology/ BRAIN STEM, enzymology/ CATTLE/ CAUDATE NUCLEUS, enzymology/ COMPARATIVE STUDY/ HYPOTHALAMUS, enzymology/ METHODS/ MITOCHONDRIA, enzymology/ *MITOCHONDRIA, LIVER, enzymology/ *MONOAMINE OXIDASE, analysis/ NAD/ RATS/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THALAMUS, enzymology
1528. Harbitz TB: Morphometric studies of the Leydig cells in elderly men with special reference to the histology of the prostate. An analysis in an autopsy series. *Acta Pathol Microbiol Scand [A]* 81:301-14, May 73
ADRENAL GLANDS, pathology/ ADULT/ AGED/ AGING/ AUTOPSY/ CARCINOMA,

AUTHOR SECTION

- drug therapy/ *CARCINOMA, pathology/ CELL SURVIVAL, drug effects/ DEPRESSION, CHEMICAL/ DIETHYLSTILBESTROL, pharmacodynamics/ DIETHYLSTILBESTROL, therapeutic use/ HUMAN/ HYPERPLASIA, pathology/ *LEYDIG CELLS, drug effects/ MALE/ METHODS/ MIDDLE AGE/ ORGAN WEIGHT/ PITUITARY GLAND, pathology/ *PROSTATE, pathology/ *PROSTATIC HYPERTROPHY, pathology/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, pathology/ TESTIS, anatomy & histology/ *TESTIS, pathology
1529. Hardas U, Survey R, Chakrawarti D: Leprosy in gynecology and obstetrics. *Int J Lepr* 40:399-401, Oct-Dec 72
ADOLESCENCE/ ADULT/ AGE FACTORS/ BIOPSY/ DELIVERY/ ENDOMETRIUM, pathology/ FEMALE/ *FERTILITY/ HUMAN/ INDIA/ *LEPROSY, complications/ MARRIAGE/ MENARCHE/ *MENSTRUATION/ MIDDLE AGE/ *OVULATION/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS/ SKIN TESTS/ SOCIOECONOMIC FACTORS/ STAINS AND STAINING/ STERILITY, FEMALE, etiology
1530. Hardin CM: Sex differences and the effects of testosterone injections on biogenic amine levels of neonatal rat brain. *Brain Res* 62:286-90, 9 Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, drug effects/ *BRAIN, metabolism/ *DOPAMINE, metabolism/ FEMALE/ HISTAMINE, metabolism/ MICE, INBRED STRAINS/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism/ SEX FACTORS/ SPERMIDINE, metabolism/ *TESTOSTERONE, pharmacodynamics
1531. Harding PE, Oakley NW, Wynn V: Reproducibility of oral glucose tolerance data in normal and mildly diabetic subjects. *Clin Endocrinol (Oxf)* 2:387-95, Oct 73
ADULT/ BLOOD SUGAR/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DIABETES MELLITUS, blood/ *DIABETES MELLITUS, diagnosis/ FEMALE/ *GLUCOSE TOLERANCE TEST, standards/ HUMAN/ INSULIN, blood/ PYRUVATES, blood
1532. Hare LE, Lu MC, Sullivan CB, et al: Aromatic amino acid hydroxylase inhibitors. 3. In vitro inhibition by azadopamine analogs. *J Med Chem* 17:1-5, Jan 74
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ AORTA, drug effects/ BRAIN STEM, cytology/ CATTLE/ CHELATING AGENTS, chem synthesis/ CHELATING AGENTS, pharmacodynamics/ ETHYLAMINES, chem synthesis/ ETHYLAMINES, pharmacodynamics/ GUINEA PIGS/ HEART ATRIUM, drug effects/ *HYDROXYLASES, antagonists & inhibitors/ IN VITRO/ IRON, pharmacodynamics/ KINETICS/ LIVER, enzymology/ MITOCHONDRIA, enzymology/ MUSCLE CONTRACTION, drug effects/ OSMOLAR CONCENTRATION/ PHENYLALANINE HYDROXYLASE, antagonists & inhibitors/ POLAROGRAPHY/ *PYRIDONES, chem synthesis/ PYRIDONES, pharmacodynamics/ RABBITS/ RATS/ TRYPTOPHAN HYDROXYLASE, antagonists & inhibitors/ TYROSINE HYDROXYLASE, antagonists & inhibitors
1533. Hare WC, McFeely RA, Kelly DF: Familial 78XX male pseudohermaphroditism in three dogs. *J Reprod Fertil* 36:207-10, Jan 74
ANIMAL EXPERIMENTS/ *DOG DISEASES, familial & genetic/ DOGS/ GENITALIA, abnormalities/ GONADS, abnormalities/ MALE/ PSEUDOHERMAPHRODITISM, familial & genetic/ *PSEUDOHERMAPHRODITISM, veterinary/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES, veterinary/ UTERUS, abnormalities
1534. Harel D, Conforti N, Lavy S: Influence of deafferentation of the medial basal hypothalamus on the sensitivity of the brain to hyperbaric oxygen. *Aerosp Med* 44:1223-6, Nov 73
ANIMAL EXPERIMENTS/ *BRAIN, physiology/ CORTICOTROPIN, secretion/ DENERVATION/ ELECTROENCEPHALOGRAPHY/ *HYPERBARIC OXYGENATION/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ *HYPOTHALAMUS, physiology/ *NEURAL CONDUCTION/ NEURONS, AFFERENT/ *OXYGEN CONSUMPTION/ RATS
1535. Harenko A: Somaattisten tautien psyykkiset manifestaatiot. *Duodecim* 89:1572-9, 1973 (Fin)
COMA, etiology/ ENDOCRINE DISEASES, complications/ HUMAN/ INFECTION, complications/ *MENTAL DISORDERS, etiology/ POISONING, complications/ POSTOPERATIVE COMPLICATIONS/ *PSYCHOPHYSIOLOGIC DISORDERS, etiology/ PSYCHOSES, etiology/ PSYCHOSES, ORGANIC, etiology
1536. Haresign W, Haynes NB, Lamming GE: Proceedings: The effects of synthetic gonadotrophin-releasing factor on ovarian function in anoestrous ewes. *J Reprod Fertil* 35:600-1, Dec 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ *GONADOTROPINS, PITUITARY/ GRAAFIAN FOLLICLE, drug effects/ OVARY, drug effects/ OVULATION, drug effects/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ PREGNANCY/ PROGESTERONE, blood/ PUERPERIUM/ SHEEP/ STIMULATION, CHEMICAL
1537. Hariap S, Davis AM: Letter: Epileptology of hypospadias. *Br Med J* 4:235, 27 Oct 73
FEMALE/ HORMONES, adverse effects/ HUMAN/ HYPOSPADIAS, etiology/ *HYPOSPADIAS, occurrence/ ISRAEL/ MALE/ PREGNANCY/ PREGNANCY COMPLICATIONS, INFECTIOUS/ SEASONS
1538. Harmsen R, Sittig N: The effect of testosterone on the development of the perianal glands of the guinea pig. *Cavia porcellus* (L). *J Exp Zool* 186:269-72, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ FEMALE/ *GUINEA PIGS, physiology/ INJECTIONS, SUBCUTANEOUS/ MALE/ PERIANAL GLANDS, anatomy & histology/ *PERIANAL GLANDS, drug effects/ PERIANAL GLANDS, growth & development/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics
1539. Harnack GA von: Schilddrüsenerkrankungen. *Monatsschr Kinderheilkd* 121:614-7, Oct 73 (11 ref.) (Ger)
AGE DETERMINATION BY SKELETON/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ INFANT/ INFANT, NEWBORN/ REVIEW/ *THYROID DISEASES/ THYROID DISEASES, diagnosis/ THYROID DISEASES, drug therapy/ THYROID HORMONES, therapeutic use/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, therapeutic use/ THYROXINE-BINDING PROTEIN, analysis/ TRIIODOTHYRONINE, therapeutic use
1540. Harper AE: Recommended dietary allowances (revised-1973). *Nutr Rev* 31:393-6, Dec 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ *DIET/ DIETARY PROTEINS/ FEMALE/ FOOD/ GOVERNMENT AGENCIES/ HUMAN/ INFANT/ INFANT, NEWBORN/ IODINE/ LACTATION/ MALE/ METALS/ MIDDLE AGE/ NUTRITION/ NUTRITIONAL REQUIREMENTS/ PHOSPHORUS/ PREGNANCY/ UNITED STATES/ VITAMINS
1541. Harris CA, Jenner FA: Some aspects of the inhibition of the action of antidiuretic hormone by lithium ions in the rat kidney and bladder of the toad *Bufo marinus*.

AUTHOR SECTION

- Br J Pharmacol 44:223-32, Feb 72
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLADDER, drug effects/ BUFO MARINUS/ CHOLINE, metabolism/ GLUCOSE, metabolism/ GLYCOSURIA/ IN VITRO/ *KIDNEY, drug effects/ KIDNEY CORTEX, metabolism/ KIDNEY MEDULLA, metabolism/ *LITHIUM, pharmacodynamics/ MALE/ OSMOLAR CONCENTRATION/ OXYTOCIN, pharmacodynamics/ PHOTOMETRY/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIME FACTORS/ *VASOPRESSIN, antagonists & inhibitors
1542. Harris DN, Chasin M, Phillips MB, et al: Effect of cyclic nucleotides on activity of cyclic 3',5'-adenosine monophosphate phosphodiesterase. Biochem Pharmacol 22:221-8, 15 Jan 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATS/ CYTOSINE NUCLEOTIDES, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HYDROLYSIS/ IN VITRO/ INOSINE NUCLEOTIDES, pharmacodynamics/ KINETICS/ MALE/ MYOCARDIUM, enzymology/ *NUCLEOTIDES, CYCLIC, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ *PHOSPHODIESTERASES, metabolism/ RATS/ TRITIUM/ URACIL NUCLEOTIDES, pharmacodynamics
1543. Harris EJ, Wimbhurst JM: Is avenacioldide another ionophore? Nature [New Biol] 245:271-3, 31 Oct 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ *FURANS, pharmacodynamics/ GLUTAMATES, metabolism/ IN VITRO/ KINETICS/ *LACTONES, pharmacodynamics/ MAGNESIUM, metabolism/ *MAGNESIUM, metabolism/ MALATES, metabolism/ *MITOCHONDRIA, LIVER, metabolism/ OXIDATION-REDUCTION/ PHOSPHATES, metabolism/ POTASSIUM, metabolism/ RATS/ SUCCINATES, metabolism
1544. Harris M, Hopkin J, Neal MJ: Proceedings: Effect of centrally acting drugs on the uptake of gamma-aminobutyric acid by the brain. Br J Pharmacol 44:339P-340P, Feb 72
ALANINE, metabolism/ *AMINOBTYRIC ACID, metabolism/ CARBON RADIOISOTOPES/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ GLYCINE, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ TRITIUM
1545. Harris M, Jenkins MV, Bennett A, et al: Prostaglandins, bone resorption and hypercalcemia. N Engl J Med 289:865, 18 Oct 73
ANIMAL EXPERIMENTS/ *BONE RESORPTION/ BONE RESORPTION, drug effects/ CALCIUM, blood/ HUMAN/ *HYPERCALCEMIA, metabolism/ MICE/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics
1546. Harrison JH, Mahoney EM, Bennett AH: Proceedings: Tumors of the adrenal cortex. Cancer 32:1227-35, Nov 73
*ADENOMA/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ *ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, drug therapy/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENAL GLANDS, pathology/ ADULT/ AGED/ *CARCINOMA/ CORTICOTROPIN, diagnostic use/ CUSHING'S SYNDROME, etiology/ DDD, therapeutic use/ DEXAMETHASONE, diagnostic use/ FEMALE/ FEMINIZATION, etiology/ HUMAN/ HYPERALDOSTERONISM, etiology/ LYMPH NODE EXCISION/ MALE/ MIDDLE AGE/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ VIRILISM, etiology
1547. Harrison RW, Toft DO: Testosterone binding in the chick oviduct. Biochem Biophys Res Commun 55:857-63, 10 Dec 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ CARBON RADIOISOTOPES/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHICKENS/ COMPARATIVE STUDY/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, metabolism/ FEMALE/ KINETICS/ OVIDUCTS, cytology/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/ PROGESTERONE, metabolism/ PROTEIN BINDING/ RADIOLOGICAL ASSAY/ *RECEPTORS, HORMONE, drug effects/ SERUM ALBUMIN, BOVINE/ STANOLONE, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM
1548. Harsoulis P, Marshall JC, Kuku SF, et al: Combined test for assessment of anterior pituitary function. Br Med J 4:328-9, 10 Nov 73
BLOOD SUGAR/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ IMMUNOASSAY/ *INSULIN, diagnostic use/ LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ METHODS/ PITUITARY DISEASES, physiology/ PITUITARY GLAND, secretion/ *PITUITARY GLAND FUNCTION TESTS/ PITUITARY NEOPLASMS, physiology/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ TIME FACTORS
1549. Hart IC: Basal levels of prolactin in goat blood measured throughout a 24-h period by a rapid double antibody-solid phase radioimmunoassay. J Dairy Res 40:235-45, Jun 73
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ ANTI-ANTIBODIES/ CASTRATION/ CATHETERIZATION/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ *GOATS, physiology/ HYPOPHYSECTOMY/ IODINE RADIOISOTOPES/ JUGULAR VEIN/ LACTATION/ MALE/ METHODS/ PERISSODACTYLA, immunology/ PITUITARY GLAND, physiology/ PREGNANCY/ *PROLACTIN, blood/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SEX FACTORS/ SHEEP/ STRESS
1550. Hartenbower DL, Coburn JW, Reddy CR, et al: Calciferol metabolism and intestinal calcium transport in the chick with reduced renal function. J Lab Clin Med 83:38-45, Jan 74
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CARBON RADIOISOTOPES/ CHICKENS/ *CHOLECALCIFEROL, metabolism/ CHROMATOGRAPHY/ DIHYDROXYCHOLECALCIFEROLS, analysis/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ *INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ KIDNEY FAILURE, CHRONIC, etiology/ *KIDNEY FAILURE, CHRONIC, metabolism/ LIGATION/ TRITIUM/ UREMIA, metabolism/ URETER
1551. Hartley R, Smith JA: Letter: The activation of pineal hydroxyindole-O-methyltransferase by psychotomimetic drugs. J Pharm Pharmacol 25:751-2, Sep 73
AMPHETAMINE, pharmacodynamics/ CARBON RADIOISOTOPES/ DIMETHYLTRYPTAMINE, pharmacodynamics/ DOPAMINE, pharmacodynamics/ ENZYME ACTIVATION/ ERGOLINES, pharmacodynamics/ *HALLUCINOGENS, pharmacodynamics/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MELATONIN, pharmacodynamics/ MESCALINE, pharmacodynamics/ METHIONINE, metabolism/ *METHYLTRANSFERASES, metabolism/

AUTHOR SECTION

- PHENETHYLAMINES, pharmacodynamics/
*PINEAL BODY, enzymology/ SEROTONIN
1552. Hartmann F, Lehmann H: Hyperkalzämiesyndrom bei Sarkoidose der Epithelkörperchen. Med Klin 68:1365-70, 15 Oct 73 (Ger)
ADENOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYCHOLECALCIFEROL, metabolism/ *HYPERCALCEMIA, etiology/ HYPERCALCEMIA, metabolism/ HYPERPARATHYROIDISM, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ *PARATHYROID DISEASES, complications/ PARATHYROID DISEASES, metabolism/ PARATHYROID NEOPLASMS, diagnosis/ PHOSPHATES, blood/ PREDNISOLONE, diagnostic use/ *SARCROIDOSIS, complications/ SARCROIDOSIS, metabolism/ VITAMIN D, metabolism
1553. Hartmann PE: Changes in the composition and yield of the mammary secretion of cows during the initiation of lactation. J Endocrinol 59:231-47, Nov 73
ANIMAL EXPERIMENTS/ CASEIN, analysis/ CATTLE/ COLOSTRUM, analysis/ FEMALE/ GLUCOSE, analysis/ *LACTATION/ LACTOSE, analysis/ LIPIDS, analysis/ MILK, analysis/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROTEINS, analysis/ TIME FACTORS/ *UDDER, secretion
1554. Hartmann PE, Trevelyan P, Shelton JN: Progesterone and oestrogen and the initiation of lactation in ewes. J Endocrinol 59:249-59, Nov 73
ANIMAL EXPERIMENTS/ CESAREAN SECTION, veterinary/ ESTRADIOL, pharmacodynamics/ ESTRIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ *LACTATION, drug effects/ LACTOSE, analysis/ MILK, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROGESTERONE, pharmacodynamics/ SHEEP/ UDDER, secretion
1555. Harvey SR, Mirand EA, Murphy GP: Inhibition of erythropoietin production by cyproterone acetate. Urology 1:121-4, Feb 73
ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ CYPROTERONE, administration & dosage/ *CYPROTERONE, pharmacodynamics/ DEPRESSION, CHEMICAL/ ERYTHROPOIETIN, antagonists & inhibitors/ *ERYTHROPOIETIN, hiosynthesis/ ERYTHROPOIETIN, blood/ FEMALE/ HEPATECTOMY/ INJECTIONS, INTRAMUSCULAR/ KIDNEY, metabolism/ LIVER, physiology/ RATS/ STANOLONE, administration & dosage/ STANOLONE, pharmacodynamics/ STIMULATION, CHEMICAL/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics/ TISSUE EXTRACTS
1556. Hashimoto T, Miyai K, Kumahara Y: [LH-RH test in dlencephalon-pltutary diseases] Clin Endocrinol (Tokyo) 21:925-33, Sep 73 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ FSH, blood/ HUMAN/ *HYPOGONADISM, physiology/ *HYPOPITUITARISM, physiology/ *HYPOTHALAMUS/ LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ MIDDLE AGE/ *PITUITARY DISEASES, physiology
1557. Hasilik A: Perturbation of growth and metabolism in Candida albicans by 4-bromobenzyl isothiocyanate and iodoacetate. Z Naturforsch [C] 28:21-31, Jan-Feb 73
ALCOHOL OXIDOREDUCTASES/ *ANTIFUNGAL AGENTS, pharmacodynamics/ BENZYL COMPOUNDS, pharmacodynamics/ *CANDIDA ALBICANS, drug effects/ CANDIDA ALBICANS, enzymology/ CANDIDA ALBICANS, growth & development/ CANDIDA ALBICANS, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE/ GLYCERALDEHYDEPHOSPHATE
- DEHYDROGENASE/ *IODOACETATES, pharmacodynamics/ NAD/ NADP/ OXYGEN CONSUMPTION/ *THIOCYANATES, pharmacodynamics
1558. Hasner E: Endokrinologien i fremtiden. Ugeskr Laeger 135:1031-2, 21 May 73 (Dan)
*ENDOCRINOLOGY/ FUTUROLOGY
1559. Hassan A, Wedell J: Die erhlchen Adenomerkrankungen des Dickdarms. Dtsch Med Wochenschr 98:2150-3, 9 Nov 73 (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ ALOPECIA/ AUTOSOME ABNORMALITIES/ BONE NEOPLASMS, familial & genetic/ *COLONIC NEOPLASMS, familial & genetic/ COLONIC NEOPLASMS, surgery/ FEMALE/ GASTROINTESTINAL NEOPLASMS, diagnosis/ HUMAN/ INTESTINAL POLYPS, diagnosis/ *INTESTINAL POLYPS, familial & genetic/ INTESTINAL POLYPS, surgery/ MALE/ NAILS/ NEOPLASMS, MULTIPLE PRIMARY, diagnosis/ OSTEOMALACIA, familial & genetic/ PEUTZ-JEGHERS SYNDROME, diagnosis/ POLYPS, diagnosis/ SEX FACTORS/ SKIN DISEASES, diagnosis/ SKIN NEOPLASMS, diagnosis/ SYNDROME
1560. Hassler R: Corrélations entre les médiateurs chimiques (dopamine, sérotonine, acétylcholine et gaba), tonus musculaire et rapidité du mouvement. Rev Neurol (Paris) 127:51-63, Jul 72 (Fre)
*ACETYLCHOLINE, physiology/ ALKALOIDS, pharmacodynamics/ *AMINO BUTYRIC ACID, physiology/ ANIMAL EXPERIMENTS/ DOPA, pharmacodynamics/ *DOPAMINE, physiology/ DRUG SYNERGISM/ HUMAN/ HYDROXYTRYPTOPHAN, pharmacodynamics/ INDOLES, pharmacodynamics/ IPRONIAZID, pharmacodynamics/ MAMMALS/ MODELS, NEUROLOGIC/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ MOVEMENT/ *MUSCLE TONUS/ MUSCLE TONUS, drug effects/ *NEURAL TRANSMISSION/ NEURONS, physiology/ PARKINSONISM, physiology/ PYRIDINES, pharmacodynamics/ RESERPINE, pharmacodynamics/ *SEROTONIN, physiology/ SUBSTANTIA NIGRA, cytology
1561. Hatano-Sato F, Shikita M: 20Alpha-hydroxysteroid dehydrogenase of cultured mammalian (HeLa S3) cells. Endocrinol Jap 20:385-90, Aug 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ ENZYME ACTIVATION/ FEMALE/ HELA CELLS/ HYDROXYSTEROID DEHYDROGENASES, isolation & purification/ *HYDROXYSTEROID DEHYDROGENASES, metabolism/ MOLECULAR WEIGHT/ NAD/ NADP/ PROGESTERONE
1562. Hatano-Sato F, Takagi Y, Shikita M: Hydrogen transfer from NADPH to steroid by testicular 20 alpha-hydroxysteroid dehydrogenase: stereospecificity and isotope effect. J Biochem (Tokyo) 74:1065-7, Nov 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ *HYDROGEN, metabolism/ *HYDROXYSTEROID DEHYDROGENASES, metabolism/ MALE/ *NADP, metabolism/ *SEX HORMONES, metabolism/ SWINE/ *TESTIS, enzymology/ TRITIUM
1563. Haubrich DR, Blake DE: Modification of serotonin metabolism in rat brain after acute or chronic administration of morphine. Biochem Pharmacol 22:2753-9, 1 Nov 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY, drug effects/ DRUG TOLERANCE/ FLUOROMETRY/ HYDROXYINDOLEACETIC ACID, analysis/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MORPHINE, administration & dosage/ *MORPHINE, pharmacodynamics/ PARGYLINE, pharmacodynamics/ PROBENECID,

AUTHOR SECTION

- pharmacodynamics/ RATS/ REACTION TIME, drug effects/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ TIME FACTORS
1564. Hauge MF: The knee in patients with hip joint ankylosis. Clinical survey and bio-mechanical aspects. Acta Orthop Scand 44:485-95, 1973
ADULT/ AGED/ ANKYLOSIS, complications/ *ANKYLOSIS, physiology/ BIOMECHANICS/ BODY WEIGHT/ DISLOCATIONS, etiology/ FEMALE/ FOLLOW-UP STUDIES/ HIP, physiology/ *HIP JOINT/ HUMAN/ KNEE, pathology/ *KNEE, physiology/ KNEE, radiography/ KNEE INJURIES, etiology/ *KNEE JOINT/ MALE/ MIDDLE AGE/ MOVEMENT/ OSTEOARTHRITIS, etiology/ OSTEOPOROSIS, etiology/ ROTATION
1565. Haugen HN: Klorpropamid ved diabetes insipidus. Tidsskr Nor Lægeforen 93:1601-2, 20 Aug 73 (Nor)
ADULT/ CHILD/ CHLORPROPAMIDE, adverse effects/ CHLORPROPAMIDE, pharmacodynamics/ *CHLORPROPAMIDE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ HUMAN/ STIMULATION, CHEMICAL/ VASOPRESSIN, metabolism
1566. Haugen HN: Behandlingen av thyreotoksikose. Tidsskr Nor Lægeforen 93:2050-2, 30 Sep 73 (Nor)
AGE FACTORS/ HUMAN/ *HYPERTHYROIDISM, therapy/ IODINE RADIOISOTOPES, adverse effects/ IODINE RADIOISOTOPES, therapeutic use/ POSTOPERATIVE COMPLICATIONS/ THYROID ANTAGONISTS, adverse effects/ THYROID ANTAGONISTS, therapeutic use/ THYROIDECTOMY/ THYROXINE, therapeutic use/ TIME FACTORS
1567. Hauser-Gunsbourg N, Doerr-Schott J, Dubois MP: Localisation par immunocytologie de sécrétions apparentées aux hormones thyroïdiennes, gonadotropes et corticotropes dans l'hypophyse distale de l'axolotl (Ambystoma mexicanum, Shaw. Z Zellforsch Mikrosk Anat 142:539-48, 1973 (Fre)
*AMBYSTOMA, anatomy & histology/ ANIMAL EXPERIMENTS/ CATTLE/ CORTICOTROPIN, analysis/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GONADOTROPINS, PITUITARY, analysis/ MALE/ *PITUITARY GLAND, analysis/ *PITUITARY HORMONES, ANTERIOR, analysis/ SHEEP/ THYROTROPIN, analysis
1568. Havel V, Rosol M: Sex chromatin u prekanceróz děložního hrdla. Sh Ved Pr Lek Fak Karlovy Univ [Suppl] 15:Suppl 2:149-52, Feb 73 (Cze)
*CERVIX NEOPLASMS, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PRECANCEROUS CONDITIONS, pathology/ *SEX CHROMATIN, analysis
1569. Havinga E: Vitamin D, example and challenge. Experientia 29:1181-93, 15 Oct 73
ALKENES/ CHEMISTRY/ ERGOSTEROL/ ISOMERISM/ MOLECULAR CONFORMATION/ PHOTOCHEMISTRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TEMPERATURE/ *VITAMIN D/ X-RAY DIFFRACTION
1570. Havivi E, Tal R: Phosphatase activity in epiphyseal cartilage of the chicken (Gallus gallus). Comp Biochem Physiol [B] 46:709-16, Dec 73
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BONE AND BONES, enzymology/ CARTILAGE, analysis/ *CARTILAGE, enzymology/ CHICKENS/ COMPARATIVE STUDY/ EPIPHYSES/ GLYCEROPHOSPHATES/ HYDROGEN-ION CONCENTRATION/ KINETICS/ NUCLEOTIDES, metabolism/ NUCLEOTIDES/ OSSIFICATION, PHYSIOLOGIC/ *PHOSPHATASES, metabolism/ PYROPHOSPHATASES, metabolism
1571. Havnen J: Dinatrium-kromoglykat (Lomudal). Klinisk virkning, indikationer og praktisk anvendelse ved astmatiske lungesygdommer. Tidsskr Nor Lægeforen 93:1740-4, 10 Sep 73 (Nor)
ADOLESCENCE/ ADRENAL CORTEX HORMONES/ ADULT/ ALLERGENS/ ANTIGEN-ANTIBODY REACTIONS, drug effects/ ANTIHISTAMINICS/ *ASTHMA, drug therapy/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ DISODIUM CROMOGLYCATE, pharmacodynamics/ *DISODIUM CROMOGLYCATE, therapeutic use/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ INFANT, NEWBORN/ INHALATION THERAPY/ LUNG, drug effects/ MAST CELLS, drug effects/ MIDDLE AGE/ RESPIRATION, drug effects/ *RESPIRATORY HYPERSENSITIVITY, drug therapy/ SYMPATHOMIMETICS, antagonists & inhibitors
1572. Havránek F: Hluhoká tromboflebitida vzniká při antikoncepci vysokými dávkami ovariálních steroidů. Cesk Gynekol 38:702, Nov 73 (Cze)
ADULT/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ MESTRANOL, adverse effects/ *THROMBOPHLEBITIS, chemically induced
1573. Havránek F, Stroufová A, Kozlová J, et al: K mechanismu antikoncepčního účinku estrogenů podaných po ovulaci. Cesk Gynekol 38:817-9, Sep 73 (Cze)
*CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ DIETHYLSTILBESTROL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ NIDATION, drug effects/ OVULATION, drug effects
1574. Hawk HW: Uterine motility and sperm transport in the estrous ewe after prostaglandin induced regression of corpora lutea. J Anim Sci 37:1380-5, Dec 73
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, physiology/ *ESTRUS, drug effects/ FEMALE/ FERTILIZATION/ INJECTIONS, INTRAMUSCULAR/ MALE/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, pharmacodynamics/ MUSCLE CONTRACTION/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ *SHEEP, physiology/ *SPERMATOZOA, physiology/ *UTERUS, physiology
1575. Hawkins DB, Miller AH, Sachs GB, et al: Acute epiglottitis in adults. Laryngoscope 83:1211-20, Aug 73
ABSCCESS, complications/ ABSCCESS, etiology/ ABSCCESS, therapy/ ADOLESCENCE/ ADULT/ AIRWAY OBSTRUCTION, drug therapy/ AIRWAY OBSTRUCTION, etiology/ AIRWAY OBSTRUCTION, prevention & control/ AIRWAY OBSTRUCTION, therapy/ ANTIBIOTICS, therapeutic use/ DEXAMETHASONE, therapeutic use/ DRAINAGE/ *EPIGLOTTIS/ FEMALE/ HAEMOPHILUS INFLUENZAE/ HUMAN/ LARYNGITIS, drug therapy/ *LARYNGITIS, occurrence/ LARYNGITIS, surgery/ LARYNGOSCOPY/ MALE/ MIDDLE AGE/ PHARYNGITIS, complications/ STREPTOCOCCAL INFECTIONS, complications/ TRACHEOTOMY
1576. Hay AW, Fridham JB, Macdonald I: Relationships between sex hormones and fructose metabolism in rat livers. Proc Nutr Soc 32:33A-34A, May 73
AGE FACTORS/ ALDEHYDE-LYASES, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ FEMALE/ *FRUCTOSE, metabolism/ GLYCEROPHOSPHATES, metabolism/ *LIVER, metabolism/ MALE/ PHOSPHOTRANSFERASES, metabolism/ RATS/ SEX HORMONES, pharmacodynamics/

AUTHOR SECTION

- *SEX HORMONES, physiology/
TRIGLYCERIDES, blood
1577. Hay JB, Hodgins MB: Metabolism of androgens in vitro by human facial and axillary skin.
J Endocrinol 59:475-86, Dec 73
ADULT/ AGED/ *ANDROGENS, metabolism/
ANDROSTENEDIONE, metabolism/
ANDROSTENES, metabolism/ *AXILLA,
metabolism/ DEHYDROEPIANDROSTERONE,
metabolism/ *FACE, metabolism/ FEMALE/
HUMAN/ HYDROXYSTEROID
DEHYDROGENASES, analysis/
HYDROXYSTERIODS/ ISOMERASES, analysis/
MALE/ MIDDLE AGE/ MULTIENZYME
COMPLEXES/ OXIDATION-REDUCTION/
SKIN, enzymology/ *SKIN, metabolism/
STERIOD HYDROXYLASES, analysis/
SULFATASES, analysis/
SULFURTRANSFERASES, analysis/
TESTOSTERONE, metabolism/ TRITIUM
1578. Hayashi R, Moore S, Stein WH: Serine at the active center of yeast carboxypeptidase.
J Biol Chem 248:8368-9, 25 Dec 73
ACETAMIDES/ AMINO ACID SEQUENCE/
AMINO ACIDS, analysis/ BINDING SITES/
*CARBOXYPEPTIDASES/
CARBOXYPEPTIDASES, analysis/
CARBOXYPEPTIDASES, antagonists &
inhibitors/ CHROMATOGRAPHY, PAPER/
ELECTROPHORESIS, PAPER/ GEL
FILTRATION/ HEAT/
HYDROXYMERCURIBENZOATES/
IODOACETATES/ ISOFLUOROPHATE/ PEPsin/
PEPTIDE PEPTIDOHYDROLASES/
PHOSPHOPEPTIDES, analysis/
PHOSPHOPEPTIDES, isolation & purification/
PHOSPHOPROTEINS, chem synthesis/
PHOSPHORUS RADIOISOTOPES/ PROTEIN
DENATURATION/ *SACCHAROMYCES
CEREVISIAE, enzymology/ SERINE/
THIOCYANATES/ UREA
1579. Hayduk K: Renin-sezernierende Tumoren.
Dtsch Med Wochenschr 98:1874-7, 5 Oct 73 (30 ref.)
(Ger)
ALDOSTERONE, secretion/ CARCINOMA, OAT
CELL, complications/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/ HYPERTENSION,
etiology/ JUXTAGLOMERULAR APPARATUS/
KIDNEY NEOPLASMS, complications/ LUNG
NEOPLASMS, complications/ *NEOPLASTIC
ENDOCRINE-LIKE SYNDROMES, diagnosis/
NEPHROBLASTOMA, complications/ *RENIN,
secretion/ REVIEW
1580. Hayes MM, Knight BK, Warton CM: Preliminary studies on the functional relationships between the pineal, hypothalamus and adenohypophysis using bovine tissues in organ culture.
Cent Afr J Med 19:193-4, Sep 73
ANIMAL EXPERIMENTS/ CATTLE/
CEREBRAL CORTEX, physiology/
*HYPOTHALAMUS, physiology/ ORGAN
CULTURE/ *PINEAL BODY, physiology/
*PITUITARY GLAND, physiology
1581. Hayes RL, Rafter JJ, Washburn LC, et al: Affinity of ²⁵³Einsteinium for tumour tissue.
Nature [New Biol] 246:23-5, 7 Nov 73
ADENOCARCINOMA, metabolism/ ALCOHOL,
ETHYL, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BONE AND BONES,
metabolism/ BONE MARROW, metabolism/
CHELATING AGENTS, pharmacodynamics/
CITRATES, pharmacodynamics/ EDTA,
pharmacodynamics/ EINSTEINIUM, blood/
*EINSTEINIUM, metabolism/ HEPATOMA,
metabolism/ IMINO ACIDS, pharmacodynamics/
KIDNEY, metabolism/ LIVER, metabolism/
LUNG, metabolism/ LYMPHOSARCOMA,
metabolism/ MALE/ MUSCLES, metabolism/
NEOPLASM TRANSPLANTATION/
*NEOPLASMS, EXPERIMENTAL, metabolism/
NITRILOTRIACETIC ACID, pharmacodynamics/
*RADIOISOTOPES/ RATS/ SPLEEN,
metabolism
1582. Hayward JN, Jennings DP: Activity of magnocellular neuroendocrine cells in the hypothalamus of unanaesthetized monkeys. I. Functional cell types and their anatomical distribution in the supraoptic nucleus and the internuclear zone.
J Physiol (Lond) 232:515-43, Aug 73
*ACTION POTENTIALS/ ANIMAL
EXPERIMENTS/ CONSCIOUSNESS/ ELECTRIC
STIMULATION/ ELECTROPHYSIOLOGY/
*EVOKED POTENTIALS/ *HYPOTHALAMUS,
cytology/ MACACA/ MICROELECTRODES/
MONKEYS/ *NEURONS, physiology/
PITUITARY GLAND, physiology
1583. Hayward JN, Jennings DP: Activity of magnocellular neuroendocrine cells in the hypothalamus of unanaesthetized monkeys. II. Osmosensitivity of functional cell types in the supraoptic nucleus and the internuclear zone.
J Physiol (Lond) 232:545-72, Aug 73
*ACTION POTENTIALS, drug effects/
ANIMAL EXPERIMENTS/ CAROTID
ARTERIES/ CATHETERIZATION/
CONSCIOUSNESS/ ELECTROPHYSIOLOGY,
drug effects/ *EVOKED POTENTIALS, drug
effects/ HYPOTHALAMUS, cytology/
*HYPOTHALAMUS, physiology/ INJECTIONS,
INTRA-ARTERIAL/ MACACA/ MONKEYS/
*NEURONS, physiology/ OSMOSIS/ OSMOTIC
PRESSURE/ SODIUM CHLORIDE,
pharmacodynamics/ STIMULATION,
CHEMICAL
1584. Hazama H, Uchimura H: Bulk separation of neurons and glia from small amounts of brain tissue.
Exp Cell Res 82:452-4, Dec 73
ANIMAL EXPERIMENTS/ *BRAIN, cytology/
CELL FRACTIONATION/ CENTRIFUGATION,
DENSITY GRADIENT/ COMPARATIVE
STUDY/ HIPPOCAMPUS, cytology/
HYPOTHALAMUS, cytology/ METHODS/
*NEUROGLIA, cytology/ *NEURONS, cytology/
ORGAN SPECIFICITY/ RATS
1585. Hazra TA: The role of radiotherapy for prostatic carcinoma.
Geriatrics 28:62-4, Dec 73
ADENOCARCINOMA, drug therapy/
ADENOCARCINOMA, pathology/
*ADENOCARCINOMA, radiotherapy/
ADENOCARCINOMA, surgery/ AGED/
COBALT RADIOISOTOPES/ HORMONES,
therapeutic use/ HUMAN/ MALE/ NEOPLASM
METASTASIS/ PALLIATIVE TREATMENT/
PROSTATECTOMY/ PROSTATIC NEOPLASMS,
drug therapy/ PROSTATIC NEOPLASMS,
pathology/ *PROSTATIC NEOPLASMS,
radiotherapy/ PROSTATIC NEOPLASMS,
surgery/ RADIATION DOSAGE/
RADIOISOTOPE TELETHERAPY, adverse
effects/ RADIOTHERAPY, HIGH ENERGY
1586. Healey LA: Generic equivalents.
Arthritis Rheum 16:775, Nov-Dec 73
AGED/ DRUG COMPOUNDING/ HUMAN/
MALE/ POLYMYALGIA RHEUMATICA, drug
therapy/ PREDNISONE, therapeutic use/
*THERAPEUTIC EQUIVALENCY
1587. Heap BJ, Kiernan JA: Histological, histochemical and pharmacological observations on mast cells in the stomach of the rat.
J Anat 115:315-25, Sep 73
ANIMAL EXPERIMENTS/ COMPOUND 48-80,
pharmacodynamics/ DEXAMETHASONE,
pharmacodynamics/ FEMALE/ *GASTRIC
MUCOSA, analysis/ HISTAMINE, analysis/
HISTOCYTOCHEMISTRY/ MALE/ *MAST
CELLS, analysis/ MAST CELLS, drug effects/
MICROSCOPY, FLUORESCENCE/ *RATS,
anatomy & histology/ *STOMACH, analysis/
STOMACH, anatomy & histology/ STOMACH,
drug effects
1588. Hearnshaw H, Wodzicka-Tomaszewska M: Effect of high ambient temperature in early and late lactation on litter growth and survival in rats.
Aust J Biol Sci 26:1171-8, Oct 73
ANIMAL EXPERIMENTS/ *ANIMALS,
NEWBORN, growth & development/
BEHAVIOR, ANIMAL/ BODY WEIGHT/
FEEDING BEHAVIOR/ FEMALE/ *HEAT,
adverse effects/ *LACTATION/ MATERNAL
BEHAVIOR/ MOTOR ACTIVITY/

AUTHOR SECTION

- PREGNANCY/ RATS/ *STRESS, mortality/
STRESS, pathology/ STRESS, psychopathology
1589. Heath H 3d, Bergevin PR: Adrenal insufficiency resulting from metastasis of non-functioning adrenocortical carcinoma.
Med Ann DC 42:545-7, Nov 73
*ADRENAL GLAND HYPOFUNCTION, etiology/ *ADRENAL GLAND NEOPLASMS, complications/ *CARCINOMA, complications/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS
1590. Heaton KW, Pomare EW: Effect of bran on blood lipids and calcium. Lancet 1:49-50, 12 Jan 74
ADULT/ BODY WEIGHT/ *CALCIUM, blood/ CALCIUM, metabolism/ CELLULOSE, metabolism/ *CEREALS/ *CHOLESTEROL, blood/ COLON, metabolism/ DIGESTION/ FEMALE/ HUMAN/ INTESTINAL ABSORPTION/ MALE/ MIDDLE AGE/ *TRIGLYCERIDES, blood/ *WHEAT
1591. Hecker WC: Einseltiger Maldescensus testis.
Dtsch Med Wochenschr 98:2261, 23 Nov 73 (Ger)
AGE FACTORS/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ HUMAN/ MALE
1592. Hedeman LS, Shellenberger MK, Gordon JH: Studies in experimental spinal cord trauma. 1. Alterations in catecholamine levels. J Neurosurg 40:37-43, Jan 74
ANIMAL EXPERIMENTS/ CATS/ DISEASE MODELS, ANIMAL/ DOGS/ *DOPAMINE, metabolism/ METHYLTYROSINES, therapeutic use/ *NOREPINEPHRINE, metabolism/ *SEROTONIN, metabolism/ *SPINAL CORD, metabolism/ SPINAL CORD INJURIES, drug therapy/ *SPINAL CORD INJURIES, metabolism/ TIME FACTORS
1593. Hedeman LS, Sil R: Studies in experimental spinal cord trauma. 2. Comparison of treatment with steroids, low molecular weight dextran, and catecholamine blockade. J Neurosurg 40:44-51, Jan 74
ANIMAL EXPERIMENTS/ ANOXIA, etiology/ *DEXTRAN, therapeutic use/ DISEASE MODELS, ANIMAL/ DOGS/ EDEMA, etiology/ *GLUCOCORTICOID, therapeutic use/ *HALOPERIDOL, therapeutic use/ *METHYLTYROSINES, therapeutic use/ NECROSIS/ PARAPLEGIA, etiology/ *PHENOXYBENZAMINE, therapeutic use/ SPINAL CORD, pathology/ SPINAL CORD INJURIES, complications/ *SPINAL CORD INJURIES, drug therapy/ SPINAL CORD INJURIES, pathology
1594. Hedlund K: Hepatitis B antigen: removal from protein solutions in a recognizable form by an insoluble lipophilic matrix of silicic acid.
Life Sci 13:1491-7, 1 Dec 73
ANTIBODIES/ *AUSTRALIA ANTIGEN, isolation & purification/ BINDING SITES/ DRUG STABILITY/ HEPATITIS, immunology/ HUMAN/ IMMUNOELECTROPHORESIS/ IODIDES/ IODINE RADIOISOTOPES/ KINETICS/ OSMOLAR CONCENTRATION/ POTASSIUM/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SILICA/ TIME FACTORS
1595. Hedqvist P: Prostaglandin as a tool for local control of transmitter release from sympathetic nerves.
Brain Res 62:483-8, 23 Nov 73
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, pharmacodynamics/ CALCIUM, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ELECTRIC STIMULATION/ GUINEA PIGS/ INDOMETHACIN, pharmacodynamics/ *NEURAL TRANSMISSION, drug effects/ *NOREPINEPHRINE, secretion/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, pharmacodynamics/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ *SYMPATHETIC NERVOUS SYSTEM, secretion/ TRITIUM/ VAS DEFERENS, innervation
1596. Heemert C van: Androgenesis in the onionfly Hylemya antiqua (Melgen) demonstrated with a chromosomal marker. Nature [New Biol] 246:21-2, 7 Nov 73
ANIMAL EXPERIMENTS/ *CHROMOSOME ABERRATIONS/ COLD/ CROSSES, GENETIC/ *DIPTERA, embryology/ EMBRYO, cytology/ FEMALE/ HAPLOIDY/ KARYOTYPING/ LINKAGE (GENETICS)/ MALE/ MEIOSIS/ *REPRODUCTION/ *SEX CHROMOSOMES/ SEX FACTORS
1597. Heersche JN, Marcus R, Aurbach GD: Calcitonin and the formation of 3',5'-AMP in bone and kidney. Endocrinology 91:241-7, Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONES, enzymology/ *BONE AND BONES, metabolism/ CALCITONIN, antagonists & inhibitors/ *CALCITONIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ IODINE RADIOISOTOPES/ *KIDNEY, metabolism/ KIDNEY CORTEX, enzymology/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHORUS RADIOISOTOPES/ PROPANOLOL, pharmacodynamics/ RATS/ SALMON/ SWINE/ TRITIUM
1598. Heldland A, Hennemann HM, Röckel A: The role of magnesium and substances promoting the transport of electrolytes.
Acta Cardiol (Brux) Suppl 17:52-75, 1973
ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCITONIN, pharmacodynamics/ DIURETICS, pharmacodynamics/ *ELECTROLYTES, metabolism/ HUMAN/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MAGNESIUM, metabolism/ MAGNESIUM, pharmacodynamics/ *MAGNESIUM, physiology/ *MAGNESIUM DEFICIENCY, psychopathology/ MINERALOCORTICOID, pharmacodynamics/ PARATHYROID HORMONE, pharmacodynamics/ RATS/ *WATER-ELECTROLYTE BALANCE, drug effects
1599. Hellman DH, Gambrell MR, Lechner JP: The effect of hydrocortisone on the incorporation of tritiated thymidine by human blood lymphocytes cultured with phytohemagglutinin and pokeweed mitogen.
Clin Exp Immunol 15:203-12, Oct 73
CELLS, CULTURED/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ *LYMPHOCYTE TRANSFORMATION, drug effects/ LYMPHOCYTES, metabolism/ MACROPHAGES, drug effects/ MITOGENS, pharmacodynamics/ MOTION PICTURES/ *PLANT AGGLUTININS, pharmacodynamics/ *THYMIDINE, metabolism/ TRITIUM
1600. Helmann P: Thyreoldeacancer.
Tidsskr Nor Laegeforen 93:1904-8, 20 Sep 73 (Nor)
ADENOCARCINOMA/ ADENOMA/ BIOPSY/ CARCINOMA/ CARCINOMA, PAPILLARY/ FEMALE/ HUMAN/ LYMPHOSARCOMA/ MALE/ NEOPLASM METASTASIS/ PROGNOSIS/ *THYROID NEOPLASMS
1601. Helmuth T: Pirolidonyloxypterydaza (PLP) u osób płci żeńskiej. Aktywność w surowicy, moczu, mleku i łożysku.
Pol Tyg Lek 28:1924-7, 3 Dec 73 (Pol)
ADOLESCENCE/ ADULT/ AGED/ AMINOPEPTIDASES, blood/ *AMINOPEPTIDASES, metabolism/ AMINOPEPTIDASES, urine/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ LABOR/ MIDDLE AGE/ *MILK, HUMAN, enzymology/ *PLACENTA, enzymology/ PREGNANCY/ PUERPERIUM/ PYRROLIDONECARBOXYLIC ACID/ SEX FACTORS
1602. Heinemann H, Stock G, Schafer H: Temporal correlation of responses in blood pressure and motor reaction under electrical stimulation of limbic

AUTHOR SECTION

- structures in unanaesthetized, unrestrained cats.
Pfluegers Arch 343:27-40, 1973
*AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ *BLOOD PRESSURE/ CATS/
ELECTRIC STIMULATION/
ELECTROENCEPHALOGRAPHY/
ELECTROMYOGRAPHY/ FEMALE/ HEART
RATE/ MALE/ *MOTOR ACTIVITY/
*SEPTUM PELLUCIDUM, physiology/ TIME
FACTORS
1603. Heinemann S: Splenic-gonadal fusion.
Urology 2:686-7, Dec 73
ADULT/ *CHORISTOMA/ CHORISTOMA,
pathology/ HUMAN/ MALE/ *SPLEEN/
SPLEEN, pathology/ *TESTICULAR
NEOPLASMS/ TESTICULAR NEOPLASMS,
pathology/ *TESTIS, abnormalities
1604. Helnert G, Taubert HD: Effect of cyproterone and
cyproterone acetate on testicular function in the rat: a
karyometric study. Endokrinologie 61:168-78, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT,
drug effects/ *CYPROTERONE,
pharmacodynamics/ KARYOMETRY/ LEYDIG
CELLS, drug effects/ MALE/ ORGAN
WEIGHT/ PROSTATE, drug effects/ RATS/
SEMINAL VESICLES, drug effects/ *TESTIS,
drug effects
1605. Heisler S: Effect of various prostaglandins and
serotonin on protein secretion from rat exocrine
pancreas. Experientia 29:1234-5, 15 Oct 73
ANIMAL EXPERIMENTS/ CARBACHOL,
pharmacodynamics/ DIBUTYRYL CYCLIC
AMP, biosynthesis/ FEMALE/ IN VITRO/
PANCREAS, drug effects/ *PANCREAS,
secretion/ *PROSTAGLANDINS,
secretion/ *PROTEINS, secretion/
RATS/ *SEROTONIN, pharmacodynamics/
TRITIUM
1606. Heisler S, Grondin G: Effect of lanthanum on ⁴⁵Ca flux
and secretion of protein from rat exocrine pancreas.
Life Sci 13:783-94, 1 Oct 73
AMYLASE, metabolism/ AMYLASE, secretion/
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ CARBACHOL,
pharmacodynamics/ COMPARATIVE STUDY/
FEMALE/ ISOTOPE LABELING/ KINETICS/
*LANTHANUM, pharmacodynamics/
PANCREAS, drug effects/ PANCREAS,
enzymology/ *PANCREAS, metabolism/
PANCREAS, secretion/ *PROTEINS, secretion/
RATS/ TIME FACTORS/ TRITIUM
1607. Heltz P: Der Hyperparathyreoidismus aus der Sicht des
Pathologen. Med Lab (Stuttg) 26:233-6, Sep 73 (Ger)
*HYPERPARATHYROIDISM, pathology
1608. Helge H: Frühreife.
Monatsschr Kinderheilkd 121:636-46, Oct 73 (183 ref.)
(Ger)
ADOLESCENCE/ ADRENOGENITAL
SYNDROME, complications/ AGE
DETERMINATION BY SKELETON/
ANDROGENS, secretion/ CHILD/ CHILD
DEVELOPMENT, drug effects/ CHILD,
PRESCHOOL/ CHLORMADINONE, therapeutic
use/ CHORIOCARCINOMA, complications/
CORPUS LUTEUM HORMONES/
CYPROTERONE, adverse effects/
CYPROTERONE, therapeutic use/ ENGLISH
ABSTRACT/ ESTRADIOL, physiology/
ESTROGENS, secretion/ FEMALE/ FSH,
physiology/ GONADOTROPINS, CHORIONIC,
secretion/ GONADOTROPINS, PITUITARY,
secretion/ GROWTH DISORDERS, drug
therapy/ HORMONES, ECTOPIC, secretion/
HUMAN/ HYPOTHYROIDISM, complications/
LH, secretion/
PSEUDOHYPOPARATHYROIDISM,
complications/ PUBERTY, PRECOCIOUS,
diagnosis/ PUBERTY, PRECOCIOUS, etiology/
*PUBERTY, PRECOCIOUS, physiopathology/
PUBERTY, PRECOCIOUS, therapy/ REVIEW/
SERTOLI CELL TUMOR, complications/ SEX
FACTORS/ TESTOSTERONE, physiology
1609. Hembree WC, Ehrenkauf RE, Lieberman S, et al: A
general method of tritium labeling utilizing
microwave discharge activation of tritium gas.
Methodology and application to biological compounds.
J Biol Chem 248:5532-40, 10 Aug 73
ADRENAL GLANDS, metabolism/ AMINO
ACIDS/ ANDROSTENEDIONE/ ANIMAL
EXPERIMENTS/ BIOLOGICAL ASSAY/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
ION EXCHANGE/ CHROMATOGRAPHY,
PAPER/ CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ CORTICOTROPIN/
CRYSTALLIZATION/ EVALUATION STUDIES/
FSH/ GEL FILTRATION/ IODINE
RADIOISOTOPES/ *ISOTOPE LABELING,
instrumentation/ LH/ METHODS/
*MICROWAVES/ PROTEINS/
RADIOIMMUNOASSAY/ RATS/ *TRITIUM
1610. Hempel E, Böhm W, Carol W, et al: Medikamentöse
Enzyminduktion und hormonale Kontrazeption.
Zentralbl Gynaekol 95:1451-7, 12 Oct 73 (Ger)
ADULT/ ANALGESICS AND ANTIPYRETICS,
antagonists & inhibitors/ ANTIBIOTICS,
antagonists & inhibitors/ ANTICONVULSANTS,
antagonists & inhibitors/ BIOPSY/
CHLORMADINONE, pharmacodynamics/
COMPARATIVE STUDY/ CONTRACEPTIVES,
ORAL, adverse effects/ *CONTRACEPTIVES,
ORAL, pharmacodynamics/ *DRUG
INTERACTIONS/ ENDOMETRIUM, pathology/
ENGLISH ABSTRACT/ *ENZYME INDUCTION,
drug effects/ FEMALE/ HUMAN/
MESTRANOL, pharmacodynamics/
NORETHINDRONE, pharmacodynamics/
PHENOBARBITAL, antagonists & inhibitors/
PREGNANCY/ SULFONAMIDES, antagonists &
inhibitors/ TRANQUILIZING AGENTS,
antagonists & inhibitors/ UTERINE
HEMORRHAGE, chemically induced
1611. Hempel J, Remmele W: Das maligne Melanom des
weiblichen Genitale. 3.
Z Hautkr 48:759-74, 15 Sep 73 (Ger)
AGE FACTORS/ AGED/ CAUCASIAN RACE/
CERVIX NEOPLASMS, pathology/ FEMALE/
GERMANY, WEST/ HUMAN/ LYMPHATIC
METASTASIS/ *MELANOMA, pathology/
MIDDLE AGE/ MONGOLOID RACE/ NEGROID
RACE/ OVARIAN NEOPLASMS, pathology/
PARITY/ URETHRAL NEOPLASMS,
pathology/ VAGINAL NEOPLASMS, mortality/
*VAGINAL NEOPLASMS, pathology/ VULVAR
NEOPLASMS, mortality/ *VULVAR
NEOPLASMS, pathology
1612. Hempel M: Fallvorstellung des 63. Wiesbadener
Dermatologen-Abends.
Z Hautkr 48:829-33, 15 Oct 73 (Ger)
ADULT/ AMYLOIDOSIS, diagnosis/ CASE
REPORT/ FEMALE/ FINGERS/ FINGERS,
pathology/ GLOMANGIOMA, diagnosis/
GLOMANGIOMA, pathology/ HUMAN/
HYALURONIDASE, therapeutic use/ LEG
DERMATOSES, diagnosis/ LEG DERMATOSES,
drug therapy/ MALE/ MIDDLE AGE/
MYXEDEMA, diagnosis/ MYXEDEMA, drug
therapy/ RHEUMATISM, diagnosis/ *SKIN
DISEASES, diagnosis/ SKIN NEOPLASMS,
diagnosis
1613. Henderson DW, Sage RE: Malignant histiocytosis with
eosinophilia. Cancer 32:1421-8, Dec 73
ADULT/ AUTOPSY/ BIOPSY/ BONE AND
BONES, pathology/ CASE REPORT/
CYTOPLASM/ DRUG THERAPY,
COMBINATION/ EOSINOPHILIA, blood/
*EOSINOPHILIA, etiology/ EOSINOPHILIA,
pathology/ HISTIOCYTES/ HUMAN/
LANGERHANS CELLS/ LEUKEMIA,
complications/ MALE/ MICROSCOPY,
ELECTRON/ MITOSIS/ REMISSION/
RETICULOENDOTHELIOSIS, blood/
RETICULOENDOTHELIOSIS, blood/
*RETICULOENDOTHELIOSIS, complications/
RETICULOENDOTHELIOSIS, drug therapy/
RETICULOENDOTHELIOSIS, pathology/ SKIN,
blood supply/ SKIN, pathology
1614. Hendricks HB, Aberle ED, Jones DJ, et al: Muscle fiber

AUTHOR SECTION

- type, rigor development and bone strength in dohule muscled cattle. *J Anim Sci* 37:1305-11, Dec 73
- ADENOSINE TRIPHOSPHATASE, analysis/
ANIMAL EXPERIMENTS/ BIOMECHANICS/
*BONE AND BONES/ CATTLE/ *CATTLE
DISEASES/ CATTLE DISEASES, familial &
genetic/ HISTOCYTOCHEMISTRY/
HYPERTROPHY/ MALE/ METACARPUS,
analysis/ METACARPUS, anatomy & histology/
MUSCLES, analysis/ MUSCULAR DISEASES,
familial & genetic/ *MUSCULAR DISEASES,
veterinary/ *MYOFIBRILS/ NAD, analysis/
PHENOTYPE/ POSTMORTEM CHANGES
1615. Hennam JF, Tyler J: Proceedings: A cost reductive
method for the radioimmunoassay of steroids and
prostaglandins. *J Reprod Fertil* 35:603-4, Dec 73
AMMONIUM SULFATE/ *ANDROGENS,
analysis/ CHARCOAL/ COSTS AND COST
ANALYSIS/ DEXTRAN/ *ESTROGENS,
analysis/ *HYDROCORTISONE, analysis/
METHODS/ *PROGESTATIONAL HORMONES,
analysis/ *PROSTAGLANDINS, analysis/
RADIOIMMUNOASSAY
1616. Hennen G: Les éléments du diagnostic dans les
syndromes d'hyperthyroïdie.
Rev Med Liege 28:592-3, 1 Sep 73 (Fre)
*GOITER, EXOPHTHALMIC, diagnosis/
HUMAN/ *HYPERTHYROIDISM, diagnosis/
IODINE, metabolism/ IODINE ISOTOPES,
DIAGNOSTIC/ PROTEIN-BOUND IODINE
TEST/ THYROID GLAND, metabolism/
THYROID GLAND FUNCTION TESTS/
THYROID HORMONES, blood
1617. Hennessy JW, Cohen ME, Rosen AJ: Adrenocortical
influences upon the extinction of an appetitive
runway response. *Physiol Behav* 11:767-70, Dec 73
ANIMAL EXPERIMENTS/ *CONDITIONING,
OPERANT, drug effects/ *CORTICOSTERONE,
pharmacodynamics/ *CORTICOTROPIN,
pharmacodynamics/ EATING, drug effects/
*EXTINCTION (PSYCHOLOGY), drug effects/
FRUSTRATION/ *HYDROCORTISONE,
pharmacodynamics/ MALE/ MOTOR
ACTIVITY, drug effects/ PLACEBO/ RATS/
REACTION TIME, drug effects/ REWARD
1618. Henricks DM, Hill JR, Dickey JF: Plasma ovarian
hormone levels and fertility in beef heifers treated
with melengestrol acetate (MGA).
J Anim Sci 37:1169-75, Nov 73
ANIMAL EXPERIMENTS/ *CATTLE,
physiology/ *ESTROGENS, blood/ ESTRUS,
drug effects/ FEMALE/ *FERTILITY, drug
effects/ FERTILIZATION/ MELENGESTROL,
administration & dosage/ MELENGESTROL,
pharmacodynamics/ OVARY, physiology/
*PREGNADIENES, pharmacodynamics/
PREGNANCY/ *PROGESTATIONAL
HORMONES, pharmacodynamics/
*PROGESTERONE, blood
1619. Henseler G, Jentsch W: Die Verwertung der
Futterenergie für die Milchproduktion. 7. Ergebnisse
über Energiehalt und chemische Zusammensetzung
von Konzeptionsprodukten und Milchdrüsen aus
Energieumsatz messungen an Hochleistungskühen.
Arch Tierernähr 23:567-79, Sep 73 (Ger)
AMNION, metabolism/ AMNIOTIC FLUID,
metabolism/ ANIMAL EXPERIMENTS/
CATTLE/ CATTLE, growth & development/
*ENERGY METABOLISM/ ENGLISH
ABSTRACT/ LACTATION/ LIPIDS,
metabolism/ *MILK/ NITROGEN, metabolism/
PREGNANCY/ PREGNANCY, ANIMAL/
PROTEINS, metabolism/ UDDER, metabolism
1620. Henseler G, Jentsch W, Schlemann R, et al: Die
Verwertung der Futterenergie für die
Milchproduktion. 6. Der Energieumsatz von
Hochleistungskühen in der Endphase der
Trächtigkeit.
Arch Tierernähr 23:353-84, Jul 73 (Ger)
ANIMAL EXPERIMENTS/ CATTLE/
*DAIRYING/ *ENERGY METABOLISM/
ENGLISH ABSTRACT/ FEMALE/
GESTATIONAL AGE/ LACTATION/ MAMMAE,
physiology/ *MILK, metabolism/ PREGNANCY/
TIME FACTORS
1621. Hermanek P, Beck H: Knochen- und Knorpeltrümmer
in der Synovia bei Coxarthrose.
Zentralbl Allg Pathol 117:257-9, 1973 (Ger)
ARTHRITIS, pathology/ ARTHROPATHY,
NEUROGENIC, pathology/ BONE AND BONES,
pathology/ CARTILAGE, ARTICULAR,
pathology/ ENGLISH ABSTRACT/ FEMUR
HEAD NECROSIS, pathology/ *HIP, pathology/
HUMAN/ *OSTEOARTHRITIS, pathology/
*SYNOVIAL MEMBRANE, pathology
1622. Herold H: Blutveränderungen unter dem Einfluss der
Nehennierenrindenhormone.
Med Lab (Stuttg) 26:278-84, Nov 73 (Ger)
*ADRENAL CORTEX HORMONES,
pharmacodynamics/ ADRENAL CORTEX
HORMONES, physiology/ *BLOOD, drug
effects/ HUMAN
1623. Herr HW, Martin DC: Primary or
pseudohyperparathyroidism? *Urology* 2:62-5, Jul 73
ADENOCARCINOMA, complications/
ADENOCARCINOMA, pathology/
ADENOCARCINOMA, surgery/ ADENOMA,
complications/ ADENOMA, pathology/
ADENOMA, surgery/ CALCIUM, blood/
CALCIUM, urine/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/ HYPERCALCEMIA,
etiology/ *HYPERPARATHYROIDISM,
diagnosis/ HYPERPARATHYROIDISM, etiology/
KIDNEY NEOPLASMS, complications/ KIDNEY
NEOPLASMS, pathology/ KIDNEY
NEOPLASMS, surgery/ MALE/ MIDDLE AGE/
PARATHYROID HORMONE, blood/
PARATHYROID NEOPLASMS, complications/
PARATHYROID NEOPLASMS, pathology/
PARATHYROID NEOPLASMS, surgery/
PHOSPHORUS, blood/ PHOSPHORUS, urine
1624. Herrath D von, Schaefer K, Kraft D, et al: Treatment of
uremic bone disease. Action of
5,6-trans-25-hydroxycholecalciferol (a vitamin
D-analog) in chronic renal failure.
Klin Wochenschr 51:979-81, 1 Oct 73
ADULT/ *BONE DISEASES, drug therapy/
BONE DISEASES, etiology/ CALCIUM, blood/
CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ FEMALE/ HUMAN/
HYDROXYCHOLECALCIFEROL, administration
& dosage/ *HYDROXYCHOLECALCIFEROL,
therapeutic use/ INTESTINAL ABSORPTION/
KIDNEY FAILURE, CHRONIC, complications/
KIDNEY FAILURE, CHRONIC, drug therapy/
MALE/ MIDDLE AGE
1625. Herrera Pombo JL, Lozano I, Ruiz-Valdepeñas P, et al:
Enanismo familiar con niveles elevados de
STH-Inmuno reactiva.
Rev Clin Esp 131:149-52, 31 Oct 73 (Spa)
CHILD/ DWARFISM, PITUITARY, blood/
*DWARFISM, PITUITARY, familial & genetic/
FEMALE/ HUMAN/ INFANT/ INJECTIONS,
INTRAVENOUS/ RADIOIMMUNOASSAY/
*SOMATOTROPIN, blood
1626. Herschberg S: Aspiration pneumonitis: a review.
J Am Osteopath Assoc 73:296-9, Dec 73 (15 ref.)
CORTISONE, therapeutic use/ EXUDATES
AND TRANSUDATES/ HUMAN/ LUNG,
pathology/ MALE/ MIDDLE AGE/
PNEUMONIA, ASPIRATION, classification/
PNEUMONIA, ASPIRATION, drug therapy/
*PNEUMONIA, ASPIRATION, prevention &
control/ PNEUMONIA, ASPIRATION,
radiography/ PNEUMONIA, ASPIRATION,
therapy/ POSTURE/ REVIEW
1627. Hertelendy F: Block of oxytocin-induced parturition
and oviposition by prostaglandin inhibitors.
Life Sci 13:1581-9, 1 Dec 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ CATHETERIZATION/ FATTY
ACIDS, UNSATURATED, pharmacodynamics/
FEMALE/ INDOMETHACIN, administration &
dosage/ *INDOMETHACIN, pharmacodynamics/
*LABOR, drug effects/ *OVIPOSITION, drug
effects/ OXYTOCIN, metabolism/ *OXYTOCIN,

AUTHOR SECTION

- pharmacodynamics/ PREGNANCY/
*PROSTAGLANDINS, antagonists & inhibitors/
PROSTAGLANDINS, pharmacodynamics/
PROSTAGLANDINS, physiology/ QUAIL/
RABBITS/ TIME FACTORS
1628. Hesse P, Lehmann K: Die Splenektomie bei der Panzytopenie.
Folia Haematol (Leipz) 100:67-71, 1973 (Ger)
ADOLESCENCE/ ADULT/ AGED/ ANEMIA,
APLASTIC, drug therapy/ ANEMIA,
APLASTIC, immunology/ *ANEMIA,
APLASTIC, surgery/ ANTIBODY
FORMATION/ BLOOD CELL COUNT/ CHILD/
ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP
STUDIES/ GLUCOCORTICIDS, therapeutic
use/ HUMAN/ IMMUNOSUPPRESSIVE
AGENTS, therapeutic use/ MALE/ MIDDLE
AGE/ POSTOPERATIVE COMPLICATIONS/
REMISSION/ SEROTHERAPY/
*SPLENECTOMY
1629. Hetzel BS: Prophylaxis of endemic goitre.
Acta Endocrinol [Suppl] (Khh) 101-2, 1973
ADULT/ AGE FACTORS/ BREAD/
DEFICIENCY DISEASES,
prevention & control/ FOOD ADDITIVES/
*GOITER, ENDEMIC, prevention & control/
HUMAN/ HYPERTHYROIDISM, chemically
induced/ *IODINE/ IODINE, adverse effects/
IODINE, therapeutic use/ IODIZED OILS,
therapeutic use/ SODIUM CHLORIDE
1630. Heyden S: Einteilung und Diät-Therapie der Hyperlipidämien.
Dtsch Med Wochenschr 99:141-4, 25 Jan 74 (Ger)
ADULT/ AGE FACTORS/ ALCOHOLISM,
complications/ BLOOD PROTEIN
ELECTROPHORESIS/ CHOLESTEROL, blood/
DIABETES MELLITUS, complications/ DIET
THERAPY/ DIETARY CARBOHYDRATES,
therapeutic use/ DIETARY FATS, analysis/
DIETARY FATS, therapeutic use/ FATTY
ACIDS, analysis/ FATTY ACIDS,
UNSATURATED, analysis/ FEMALE/ HUMAN/
HYPERCHOLESTEREMIA, therapy/
HYPERLIPIDEMIA, etiology/ *HYPERLIPIDEMIA,
therapy/ HYPERLIPIDEMIA, ESSENTIAL
FAMILIAL, therapy/ HYPOTHYROIDISM,
complications/ LIPASE, blood/
*LIPOPROTEINS, blood/ LIPOPROTEINS,
LDL, blood/ MALE/ MIDDLE AGE/
TRIGLYCERIDES, blood
1631. Hienz HA: Hodenhochstand bei Erwachsenen.
Dtsch Med Wochenschr 98:2318, 30 Nov 73 (Ger)
ADULT/ CRYPTORCHISM, diagnosis/
*CRYPTORCHISM, surgery/ HUMAN/ MALE/
PRECANCEROUS CONDITIONS, diagnosis
1632. Higa E, Rosai J, Pizzimbono CA, et al: Mucosal hyperplasia, mucinous cystadenoma, and mucinous cystadenocarcinoma of the appendix. A re-evaluation of appendiceal "mucocele". Cancer 32:1525-41, Dec 73
ADENOCARCINOMA/ ADOLESCENCE/
ADULT/ AGED/ *APPENDICEAL
NEOPLASMS, pathology/ APPENDICEAL
NEOPLASMS, surgery/ BLADDER
NEOPLASMS/ *CYSTADENOMA, MUCINOUS,
pathology/ CYSTADENOMA, MUCINOUS,
surgery/ FEMALE/ FOLLOW-UP STUDIES/
HUMAN/ HYPERPLASIA, pathology/
INTESTINAL NEOPLASMS/ MALE/ MIDDLE
AGE/ *MUCOCELE, pathology/ NEOPLASM
METASTASIS/ OVARIAN NEOPLASMS
1633. Higazi MG, Kvinnslund S: Oestradiol-17beta: its influence on cyclic 3'5'-adenosine monophosphate phosphodiesterase and 5'-nucleotidase in the cervicovaginal epithelium of neonatal mice.
J Reprod Fertil 36:135-9, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ CELL MEMBRANE, enzymology/
*CERVIX UTERI, enzymology/ EPITHELIAL
CELLS, enzymology/ *ESTRADIOL,
pharmacodynamics/ FEMALE/
HISTOCYTOCHEMISTRY/ MICE/
*NUCLEOTIDASES, metabolism/
*PHOSPHODIESTERASES, metabolism/
- THEOPHYLLINE, pharmacodynamics/
*VAGINA, enzymology/ VENOMS,
pharmacodynamics
1634. Higby DJ, Wallace HJ Jr, Holland JF: Cis-diamminedichloroplatinum (NSC-119875): a phase I study. Cancer Chemother Rep 57:459-63, Nov-Dec 73
CLINICAL RESEARCH/ DIAMMONIUM
CHLOROPLATINUM COMPOUNDS,
administration & dosage/ DIAMMONIUM
CHLOROPLATINUM COMPOUNDS, adverse
effects/ *DIAMMONIUM CHLOROPLATINUM
COMPOUNDS, therapeutic use/ DRUG
EVALUATION/ HUMAN/ INFUSIONS,
PARENTERAL/ KIDNEY DISEASES,
chemically induced/ MALE/ NAUSEA,
chemically induced/ NECROSIS, chemically
induced/ *NEOPLASMS, drug therapy/
TESTICULAR NEOPLASMS, drug therapy/
VOMITING, chemically induced
1635. Higgins SJ, Rousseau GG, Baxter JD, et al: Nuclear binding of steroid receptors: comparison in intact cells and cell-free systems.
Proc Natl Acad Sci USA 70:3415-8, Dec 73
AUTORADIOGRAPHY/ CELL-FREE SYSTEM/
CELL LINE/ *CELL NUCLEUS, metabolism/
CENTRIFUGATION, DENSITY GRADIENT/
COMPARATIVE STUDY/ CYTOSOL,
metabolism/ DEXAMETHASONE, metabolism/
ESTRADIOL, metabolism/ FEMALE/
HEPATOMA/ RATS/ *RECEPTORS,
HORMONE/ *SUBCELLULAR FRACTIONS,
metabolism/ TRITIUM/ UTERUS
1636. Higgs GA, Youtten LJ: Proceedings: Prostaglandin production by rabbit peritoneal polymorphonuclear leukocytes in vitro. Br J Pharmacol 44:330P, Feb 72
ANIMAL EXPERIMENTS/ CELLS,
CULTURED/ LEUKOCYTES, drug effects/
*LEUKOCYTES, metabolism/ PERITONEUM,
cytology/ PERTUSSIS VACCINE,
pharmacodynamics/ *PROSTAGLANDINS,
biosynthesis/ RABBITS/ STIMULATION,
CHEMICAL
1637. Higuchi K, Robinson RC: Studies on the cultivation of mammalian cell lines in a serum-free, chemically defined medium. In Vitro 9:114-121, Sep-Oct 73
AMINO ACIDS, metabolism/ ANIMAL
EXPERIMENTS/ BIOTIN, metabolism/ CELL
DIVISION, drug effects/ *CELL LINE/
*CELLS, CULTURED, metabolism/ *CULTURE
MEDIA/ FEMALE/ GLUCOSE, metabolism/
HAMSTERS/ HUMAN/ HYDROCORTISONE,
pharmacodynamics/ INSULIN,
pharmacodynamics/ LIPIDS, metabolism/
MALE/ METHYLCELLULOSE, metabolism/
MICE/ MONKEYS/ PROTAMINES, metabolism/
PYRUVATES, metabolism/ RABBITS/ SALTS,
metabolism/ STIMULATION, CHEMICAL/
SULFATES, metabolism/ THYROXINE,
pharmacodynamics/ VITAMIN B 12,
metabolism/ VITAMINS, metabolism
1638. Hill AV, Thein-Than, Cook DB, et al: The effect of lowering the serum phosphate on parathyroid hormone secretion and total serum calcium during regular hemodialysis. Clin Nephrol 1:284-9, Sep-Oct 73
ADULT/ ALUMINUM HYDROXIDE GEL,
pharmacodynamics/ ALUMINUM HYDROXIDE
GEL, therapeutic use/ *CALCIUM, blood/
CALCIUM, pharmacodynamics/ CATTLE/
FEMALE/ GLUCONATES, pharmacodynamics/
GUINEA PIGS/ *HEMODIALYSIS/ HUMAN/
KIDNEY FAILURE, CHRONIC, drug therapy/
KIDNEY FAILURE, CHRONIC, therapy/
MALE/ MIDDLE AGE/ PARATHYROID
HORMONE, blood/ *PARATHYROID
HORMONE, secretion/ *PHOSPHATES, blood
1639. Hill CS Jr: Proceedings: Medullary carcinoma of the thyroid gland. Proc Natl Cancer Conf 7:163-77, 1973
ADENOMA, complications/ CALCITONIN,
secretion/ *CARCINOMA/ CARCINOMA,
diagnosis/ CARCINOMA, etiology/
CARCINOMA, familial & genetic/
CARCINOMA, pathology/ CARCINOMA,
therapy/ DIARRHEA, complications/
DIVERTICULOSIS, complications/

AUTHOR SECTION

- HISTAMINASE, metabolism/ HUMAN/ MALE/
MIDDLE AGE/ MUCOUS MEMBRANE/
NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ NEUROMA, complications/
PARATHYROID NEOPLASMS, complications/
PHEOCHROMOCYTOMA, complications/
PULMONARY FIBROSIS, etiology/ *THYROID
NEOPLASMS/ THYROID NEOPLASMS,
complications/ THYROID NEOPLASMS,
diagnosis/ THYROID NEOPLASMS,
enzymology/ THYROID NEOPLASMS, etiology/
THYROID NEOPLASMS, familial & genetic/
THYROID NEOPLASMS, pathology/ THYROID
NEOPLASMS, therapy
1640. Hill PM, Young M: Net placental transfer of free amino acids against varying concentrations. *J Physiol (Lond)* 235:409-22, Dec 73
AMINO ACIDS, blood/ *AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ FEMALE/ FETUS, analysis/ FETUS, metabolism/ GUINEA PIGS/ *MATERNAL-FETAL EXCHANGE/ PLACENTA, analysis/ PLACENTA, metabolism/ PREGNANCY/ UMBILICAL ARTERIES/ UMBILICAL VEINS
1641. Hillemand B, Bonneau JC, Joly JP: Conjonction d'un syndrome de Turner, d'un syndrome de Rokitsansky-Kuster-Hauser atypique et d'un syndrome de Klippel-Feil. *Ann Med Interne (Paris)* 124:423-8, May 73 (Fre)
CASE REPORT/ DERMATOGLYPHICS/ FEMALE/ *GENITALIA, FEMALE, abnormalities/ HUMAN/ KIDNEY, abnormalities/ *KLIPPEL-FEIL SYNDROME, complications/ KLIPPEL-FEIL SYNDROME, radiography/ MIDDLE AGE/ *TURNER'S SYNDROME, complications
1642. Hilliard J, Scaramuzzi RJ, Pang CN, et al: Testosterone secretion by rabbit ovary in vivo. *Endocrinology* 91:267-71, Jan 74
ANIMAL EXPERIMENTS/ COITUS/ ESTRADIOL, blood/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ LH, blood/ LH, pharmacodynamics/ LH-FSH RELEASING HORMONE, pharmacodynamics/ *OVARY, secretion/ RABBITS/ RADIOIMMUNOASSAY/ TESTOSTERONE, blood/ *TESTOSTERONE, secretion/ TIME FACTORS
1643. Hillier AP: The effect of taurocholate on the biliary secretion of thyroxine in the rat liver. *Endocrinology* 91:272-5, Jan 74
ANIMAL EXPERIMENTS/ *BILE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ LIVER, drug effects/ *LIVER, secretion/ RATS/ TAUROCHOLIC ACID, administration & dosage/ *TAUROCHOLIC ACID, pharmacodynamics/ THYROXINE, metabolism/ *THYROXINE, secretion/ TIME FACTORS/ TRIIODOTHYRONINE, metabolism
1644. Hillier SG, Cole EN, Groom GV, et al: Proceedings: Effect of active immunization against testosterone-3-bovine serum albumin on circulating levels of testosterone, luteinizing hormone, prolactin and anti-testosterone titre in the male rat. *J Endocrinol* 59:22-3, Nov 73
ANIMAL EXPERIMENTS/ BINDING SITES, ANTIBODY/ IMMUNE SERUMS, analysis/ *IMMUNIZATION/ *LH, blood/ MALE/ *PROLACTIN, blood/ RATS/ *SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, blood
1645. Hillman R: Genetic and environmental control of a continuous trait, abnormal abdomen, in *Drosophila melanogaster*. *Genet Res* 22:37-50, Aug 73
ABDOMEN, abnormalities/ ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER/ *ENVIRONMENT/ FEMALE/ GENES/ GENOTYPE/ MALE/ *MUTATION/ *PHENOTYPE/ SEX CHROMOSOMES
1646. Himathongkam T, Berger MJ, Williams GH, et al: Incomplete testicular feminization syndrome with puberal virilization. *Am J Obstet Gynecol* 118:288-90, 15 Jan 74
ADOLESCENCE/ AMENORRHEA, complications/ CERVIX UTERI, abnormalities/ CLITORIS, abnormalities/ FEMALE/ HIRSUTISM/ HUMAN/ HYPERTROPHY/ KARYOTYPING/ OBESITY, etiology/ OVARY, abnormalities/ PITUITARY-ADRENAL FUNCTION TESTS/ PUBERTY/ *TESTICULAR FEMINIZATION, complications/ TESTICULAR FEMINIZATION, surgery/ TESTIS, surgery/ TESTOSTERONE, blood/ UTERUS, abnormalities/ *VIRILISM, complications
1647. Hinglais H, Hinglais M: Le test d'inhibition hypophysaire gonadotrope. Fait nouveau dans le dépistage et la surveillance biologique des tumeurs trophoblastiques dans les deux sexes. *Acad Rev* 2:2601, 3 Nov 73 (Fre)
*ESTROGENS, diagnostic use/ FEMALE/ FSH, secretion/ HUMAN/ *LH, secretion/ MALE/ METHODS/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *TROPHOBLASTIC TUMOR, diagnosis
1648. Hiotakis K, Tschernie G, List W: Intensivbehandlung schwerer Eklampsien. *Geburtshilfe Frauenheilkd* 33:793-7, Oct 73 (Ger)
ACIDOSIS, RESPIRATORY, therapy/ ADOLESCENCE/ ADULT/ ALBUMINS, therapeutic use/ CARBAMATES, therapeutic use/ CHOLINE, therapeutic use/ CORTISONE, therapeutic use/ DROPERIDOL, therapeutic use/ DRUG COMBINATIONS/ DRUG THERAPY, COMBINATION/ ECLAMPSIA, drug therapy/ *ECLAMPSIA, therapy/ ENGLISH ABSTRACT/ FEMALE/ FENTANYL, therapeutic use/ HUMAN/ INTENSIVE CARE UNITS/ INTUBATION, INTRATRACHEAL/ NEUROMUSCULAR DEPOLARIZING AGENTS, therapeutic use/ POSTNATAL CARE/ PREGNANCY/ PRENATAL CARE
1649. Hirano A, Ghatek NR, Zimmerman HM: Fenestrated blood vessels in craniohypopharyngioma. *Acta Neuropathol (Berl)* 26:171-7, 11 Oct 73
AGED/ *BLOOD VESSELS, pathology/ BRAIN, blood supply/ *BRAIN NEOPLASMS, pathology/ *CRANIOHYPHARYNGIOMA, pathology/ ENDOTHELIUM/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE
1650. Hirayama A, Izumiya S, Itagaki H, et al: [Clinical experience with the use of parotin tablets in gastric diseases] *Clin Endocrinol (Tokyo)* 21:851-4, Aug 73 (Jap)
ADULT/ FEMALE/ *HORMONES, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PAROTIN, administration & dosage/ PAROTIN, therapeutic use/ *STOMACH DISEASES, drug therapy/ TABLETS
1651. Hirose K, Hirano T, Ishida R: Effects of salmon gonadotropin on ovulation in the ayu, *Plecoglossus altivelis*, with special reference to water balance. *Comp Biochem Physiol [A]* 47:283-9, Jan 74
ANIMAL EXPERIMENTS/ BODY WATER, drug effects/ BODY WATER, metabolism/ BODY WEIGHT, drug effects/ CHLORIDES, blood/ DRINKING/ FEMALE/ *FISHES, physiology/ *GONADOTROPINS, pharmacodynamics/ KINETICS/ MUSCLES, drug effects/ MUSCLES, metabolism/ ORGAN WEIGHT/ OVARY, drug effects/ OVARY, metabolism/ *OVULATION, drug effects/ OVUM, drug effects/ OVUM, metabolism/ SALMONIDAE/ SODIUM, blood
1652. Hirose T, Tamura K, Ikeda H, et al: Effect of glucose infusion on adrenaline and noradrenaline secretion from the adrenal gland in conscious dogs. *Tohoku J Exp Med* 110:307-8, Jul 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ DOGS/ *EPINEPHRINE, secretion/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ *NOREPINEPHRINE, secretion/ STIMULATION, CHEMICAL
1653. Hirschman RJ, Yankee RA, Collier BS, et al: Sensitive

AUTHOR SECTION

- methods for the detection and characterization of platelet isoantibodies.
Thromb Diatb Haemorrh 29:408-15, 10 May 73
- ADENINE NUCLEOTIDES, diagnostic use/
*BLOOD PLATELETS, immunology/
CHROMATOGRAPHY, DEAE-CELLULOSE/
GAMMA GLOBULIN, 7S/ HEAT/
HISTOCOMPATIBILITY ANTIGENS/ HUMAN/
IMMUNE SERUMS/ *ISOANTIBODIES,
isolation & purification/ METHODS/ RABBITS/
SEROTONIN, diagnostic use/ TIME FACTORS/
TRITIUM
1654. Hirvonen E: Ehkäisytablettien gynekologiset
silvuoireet. Duodecim 89:1618-25, Oct 73 (Fin)
ACNE, chemically induced/ ALOPECIA,
chemically induced/ *CONTRACEPTIVES,
ORAL, adverse effects/ *ESTROGENS, adverse
effects/ FEMALE/ *GYNECOLOGIC DISEASES,
chemically induced/ HEADACHE, chemically
induced/ HIRSUTISM, chemically induced/
HUMAN/ MENSTRUATION DISORDERS,
chemically induced/ METABOLIC DISEASES,
chemically induced/ PREGNANCY/
*PROGESTERONE, adverse effects/
PSYCHOPHYSIOLOGIC DISORDERS,
chemically induced/ STERILITY, FEMALE,
chemically induced
1655. Hochberg CJ: Tubal amylase.
Obstet Gynecol 43:129-31, Jan 74
AMYLASE, analysis/ AMYLASE, blood/
CORPUS LUTEUM, injuries/ CORPUS
LUTEUM CYST, blood/ CORPUS LUTEUM
CYST, diagnosis/ CORPUS LUTEUM CYST,
enzymology/ *FALLOPIAN TUBES, analysis/
*FALLOPIAN TUBES, enzymology/ FEMALE/
HEMORRHAGE, diagnosis/ HEMORRHAGE,
enzymology/ HUMAN/ LAPAROTOMY/
PREGNANCY/ PREGNANCY, ECTOPIC, blood/
PREGNANCY, ECTOPIC, diagnosis/
PREGNANCY, ECTOPIC, enzymology/
RUPTURE, enzymology
1656. Hochberg RB, Ladany S, Lieberman S: Cholesterol
sulfate: some aspects of its biosynthesis and uptake
by tissues from blood. Endocrinology 91:207-13, Jan 74
ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
*CHOLESTEROL, biosynthesis/ CHOLESTEROL,
blood/ CHOLESTEROL, metabolism/
CHROMATOGRAPHY/ FEMALE/ IN VITRO/
*KIDNEY, metabolism/ *LIVER, metabolism/
*LUNG, metabolism/ MALE/ MEVALONIC
ACID, metabolism/ OVARY, metabolism/
RATS/ SILICA/ *SKIN, metabolism/ SULFUR
RADIOISOTOPES/ *SULFURIC ACIDS/
TESTIS, metabolism/ TRITIUM
1657. Hocman G: Interaction of hormones and blood
proteins. The binding power of some plasma proteins
to thyroxine. Endokrinologie 61:334-8, Jun 73
ALPHA GLOBULIN, metabolism/ GAMMA
GLOBULIN, metabolism/ HUMAN/ SERUM
ALBUMIN, metabolism/
*THYROXINE-BINDING PROTEIN, metabolism
1658. Hodgins MB, Hay JB: Androgen metabolism in the
ventral sebaceous gland patch of the Mongolian
gerbil. J Endocrinol 59:487-93, Dec 73
*ANDROGENS, metabolism/
ANDROSTENEDIONE, metabolism/ ANIMAL
EXPERIMENTS/
DEHYDROEPIANDROSTERONE, metabolism/
*GERBILS, metabolism/ HYDRO-LYASES,
analysis/ HYDROXYSTEROID
DEHYDROGENASES, analysis/ ISOMERASES,
analysis/ MALE/ MONGOLIA/
OXIDOREDUCTASES, analysis/ SEBACEOUS
GLANDS, enzymology/ *SEBACEOUS GLANDS,
metabolism/ SULFURTRANSFERASES,
analysis/ TESTOSTERONE, metabolism/
TRITIUM
1659. Hodgkinson HM: Serum inorganic phosphate in a
geriatric in-patient population.
Gerontol Clin (Basel) 15:45-9, 1973
AGED/ FEMALE/ GERIATRICS/ HOSPITALS,
SPECIAL/ HUMAN/ MALE/ MIDDLE AGE/
OSTEOMALACIA, diagnosis/ *PHOSPHATES,
blood
1660. Höfer R: Das autonome Adenom im endemischen
Kropfgebiet.
Acta Endocrinol [Suppl] (Kbb) 40, 1973 (Ger)
*ADENOMA, diagnosis/ DIAGNOSIS,
DIFFERENTIAL/ GOITER, NODULAR,
diagnosis/ HUMAN/ HYPERTHYROIDISM,
diagnosis/ *THYROID NEOPLASMS, diagnosis
1661. Hoffenberg R: Triiodothyronine.
Clin Endocrinol (Oxf) 2:75-87, Jan 73 (79 ref.)
BIOLOGICAL TRANSPORT/ BLOOD
PROTEINS, analysis/ CHROMATOGRAPHY/
FEEDBACK/ HOMEOSTASIS/ HUMAN/
HYPERTHYROIDISM, diagnosis/
HYPOTHYROIDISM, drug therapy/
RADIOIMMUNOASSAY/ REVIEW/ THYROID
GLAND, secretion/ THYROTROPIN, blood/
THYROXINE, blood/ *TRIIODOTHYRONINE/
TRIIODOTHYRONINE, blood/
TRIIODOTHYRONINE, diagnostic use/
TRIIODOTHYRONINE, isolation & purification/
TRIIODOTHYRONINE, metabolism/
TRIIODOTHYRONINE, therapeutic use/
TRIIODOTHYRONINE, urine
1662. Hoffman M: Leczenie choroby reumatycznej i
zapobieganie bakterijnemu zapaleniu wstędnia u
doroślych. Kardiol Pol 16:523-32, 1973 (Pol)
ACUTE DISEASE/ ADRENAL CORTEX
HORMONES, therapeutic use/ AGE FACTORS/
*ENDOCARDITIS, BACTERIAL, prevention &
control/ ERYTHROMYCIN, therapeutic use/
HUMAN/ PENICILLIN, therapeutic use/
RHEUMATIC FEVER, diagnosis/ RHEUMATIC
FEVER, drug therapy/ *RHEUMATIC FEVER,
therapy/ STREPTOMYCIN, therapeutic use/
TIME FACTORS
1663. Hoffmann G: 131-I-therapy of malignant thyroid
disease in regard to its classification.
Acta Endocrinol [Suppl] (Kbb) 93-4, 1973
AGE FACTORS/ AUTOPSY/ *CARCINOMA,
PAPILLARY, classification/ CARCINOMA,
PAPILLARY, mortality/ CARCINOMA,
PAPILLARY, pathology/ CARCINOMA,
PAPILLARY, radiotherapy/ HUMAN/ IODINE
RADIOISOTOPES, therapeutic use/
PROGNOSIS/ *THYROID NEOPLASMS,
classification/ THYROID NEOPLASMS,
mortality/ THYROID NEOPLASMS, pathology/
THYROID NEOPLASMS, radiotherapy/ TIME
FACTORS
1664. Hoffmann-Fezer G, Lösch U: Vergleichende
histologische und immunologische Untersuchungen
an immunologisch defekten Hühnern. I. Hormonell
bursktomerte Hühner.
Zentralbl Veterinärmed [A] 20:586-95, Sep 73 (Ger)
ANIMAL EXPERIMENTS/ BURSA OF
FABRICIUS, drug effects/ *BURSA OF
FABRICIUS, immunology/ *CHICKENS,
immunology/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ FEMALE/
*IMMUNOGLOBULINS, analysis/
IMMUNOSUPPRESSION/ *LYMPHOID TISSUE,
anatomy & histology/ LYMPHOID TISSUE,
immunology/ SPLEEN, anatomy & histology/
TESTOSTERONE, administration & dosage
1665. Hoge AF, Hartsuck JM, Kollmorgen GM, et al:
Endocrine and immunologic studies in breast cancer.
Am J Surg 126:722-8, Dec 73
ADRENALECTOMY/ ADULT/ BINDING,
COMPETITIVE/ BREAST NEOPLASMS, drug
therapy/ *BREAST NEOPLASMS, immunology/
CASTRATION/ DRUG HYPERSENSITIVITY/
*ESTRADIOL, metabolism/ FEMALE/ HUMAN/
*HYPERSENSITIVITY, DELAYED/
*IMMUNITY, CELLULAR/ LYMPHOCYTE
TRANSFORMATION/ MIDDLE AGE/
NEOPLASM RECURRENCE, LOCAL/
NITROBENZENES/ OVARY, surgery/
*RECEPTORS, HORMONE/ SKIN TESTS/
THYMIDINE, metabolism/ TRITIUM
1666. Höhn H, Polacek I, Schulze E: Potential antidiabetic
agents. Pyrazolo(3,4-b)pyridines.

AUTHOR SECTION

- J Med Chem 16:1340-8, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ANIMAL EXPERIMENTS/ *ANTIDIABETICS,
chem synthesis/ ANTIDIABETICS,
pharmacodynamics/ BLOOD SUGAR/ BRAIN,
enzymology/ CATS/ DEPRESSION,
CHEMICAL/ DIABETES MELLITUS, blood/
DIABETES MELLITUS, chemically induced/
DOSE-RESPONSE RELATIONSHIP, DRUG/
FEMALE/ IN VITRO/ MALE/ MYOCARDIUM,
enzymology/ PHOSPHODIESTERASES,
antagonists & inhibitors/
PHOSPHODIESTERASES, metabolism/
PYRAZOLES, chem synthesis/ PYRAZOLES,
pharmacodynamics/ *PYRIDINES, chem
synthesis/ PYRIDINES, pharmacodynamics/
RATS/ STREPTOZOTOCIN/
STRUCTURE-ACTIVITY RELATIONSHIP/
SULFONYLUREA COMPOUNDS, chem
synthesis/ SULFONYLUREA COMPOUNDS,
pharmacodynamics
1667. Hohnadel DC, Sunderman FW Jr, Nechay MW, et al:
Atomic absorption spectrometry of nickel, copper,
zinc, and lead in sweat collected from healthy subjects
during sauna bathing. Clin Chem 19:1288-92, Nov 73
ADULT/ *BATHS, FINNISH/ COMPARATIVE
STUDY/ CONTRACEPTIVES, ORAL/
COPPER, analysis/ COPPER, blood/
EVALUATION STUDIES/ FEMALE/ HUMAN/
*LEAD, analysis/ LEAD, blood/ MALE/
METHODS/ MIDDLE AGE/ *NICKEL, analysis/
NICKEL, blood/ PLASMA, analysis/
POLYETHYLENES, analysis/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION/ *SWEAT, analysis/ TIME
FACTORS/ *ZINC, analysis/ ZINC, blood
1668. Hökfelt T, Fuxe K, Goldstein M, et al: Evidence for
adrenaline neurons in the rat brain.
Acta Physiol Scand 89:286-8, Oct 73
ANIMAL EXPERIMENTS/ ANTIBODIES/
*BRAIN, cytology/ BRAIN, enzymology/
EPINEPHRINE/ FLUORESCENT ANTIBODY
TECHNIC/ METHODS/ *NEURONS, cytology/
NEURONS, enzymology/
PHENETHANOLAMINE
N-METHYLTRANSFERASE/ RATS/ STAINS
AND STAINING
1669. Hökfelt T, Fuxe K, Goldstein M: Immunohistochemical
studies on monoamine-containing cell systems.
Brain Res 62:461-9, 23 Nov 73
*ADRENAL MEDULLA, enzymology/ ANIMAL
EXPERIMENTS/ ANTIBODY FORMATION/
*ANTIGENS, analysis/ *CENTRAL NERVOUS
SYSTEM, enzymology/ CEREBRAL
VENTRICLES, enzymology/ *DOPA
DECARBOXYLASE, analysis/ *DOPAMINE
BETA HYDROXYLASE, analysis/
FLUORESCENT ANTIBODY TECHNIC/
HUMAN/ HYPOTHALAMUS, enzymology/
IMMUNE SERUMS/ MEDULLA OBLONGATA,
enzymology/ *METHYLTRANSFERASES,
analysis/ MICROSCOPY, ELECTRON/ RATS/
SUBSTANTIA NIGRA, enzymology/
THALAMUS, enzymology
1670. Holak H, Matuszewski W, Skrzypek J, et al: Badanie
zawartości kalcytoniny w tarczycy w przebiegu wola.
Endokrynol Pol 24:377-83, Sep-Oct 73 (Pol)
ENGLISH ABSTRACT/ *GOITER, metabolism/
GOITER, EXOPHTHALMIC, metabolism/
GOITER, NODULAR, metabolism/ HUMAN/
*THYROID GLAND, metabolism
1671. Holdaway IM: Suppression of plasma ACTH levels with
corticosteroids in Addison's disease.
Clin Endocrinol (Oxf) 2:37-42, Jan 73
*ADDISON'S DISEASE, physiopathology/
ANTIGENS/ *CORTICOTROPIN, blood/
DEPRESSION, CHEMICAL/
DEXAMETHASONE, diagnostic use/ HUMAN/
HYDROCORTISONE, diagnostic use/ TIME
FACTORS
1672. Holdaway IM, Besser GM, Rees LH: Proceedings:
Measurement of plasma adrenocorticotrophin levels
in normal and hypopituitary subjects by redox
bioassay. J Endocrinol 59:28, Nov 73
- BIOLOGICAL ASSAY/ *CORTICOTROPIN,
blood/ HUMAN/ *HYPOPHYSECTOMY, blood/
OXIDATION-REDUCTION
1673. Holland JF, Sweeley CC, Thrush RE, et al: On-line
computer controlled multiple ion detection in
combined gas chromatography-mass spectrometry.
Anal Chem 45:308-14, Feb 73
CHROMATOGRAPHY, GAS/ FATTY ACIDS,
analysis/ METHODS/ *METHYLGLYCOSIDES,
analysis/ *ON LINE SYSTEMS/
*PROSTAGLANDINS, analysis/ SPECTRUM
ANALYSIS, MASS
1674. Holland RA: Placental oxygen gradients due to
diffusion and chemical reaction.
Adv Exp Med Biol 37:1055-9, 1973
DIFFUSION/ FEMALE/ FETUS/ HUMAN/
MATERNAL-FETAL EXCHANGE/
MATHEMATICS/ *OXYGEN, blood/
*PLACENTA, blood supply/ PLACENTA,
metabolism/ PREGNANCY
1675. Hollander JL: Editorial: Collagenase, cartilage and
cortisol. N Engl J Med 290:50-1, 3 Jan 74
ARTHRITIS, RHEUMATOID, enzymology/
ARTHRITIS, RHEUMATOID, metabolism/
ARTHRITIS, RHEUMATOID, therapy/ BODY
TEMPERATURE/ *CARTILAGE, ARTICULAR,
enzymology/ CARTILAGE, ARTICULAR,
metabolism/ *CLOSTRIDIOPOLYMERASE A,
metabolism/ COLLAGEN, metabolism/ *HEAT,
therapeutic use/ HUMAN/ HYDROCORTISONE,
administration & dosage/ INJECTIONS,
INTRA-ARTICULAR
1676. Holloway ET, Bohr DF: Reactivity of vascular smooth
muscle in hypertensive rats. Circ Res 33:878-85, Dec 73
ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ ARTERIES, physiology/
ARTERIES, physiopathology/ BLOOD
PRESSURE/ BODY WEIGHT/ CALCIUM,
metabolism/ CELL MEMBRANE, physiology/
DESOXYCORTICOSTERONE/ EPINEPHRINE,
pharmacodynamics/ FEMORAL ARTERY/
HYPERTENSION, chemically induced/
*HYPERTENSION, physiopathology/
HYPERTENSION, RENAL, physiopathology/
LANTHANUM, pharmacodynamics/ MALE/
MUSCLE CONTRACTION, drug effects/
MUSCLE, SMOOTH, physiology/ *MUSCLE,
SMOOTH, physiopathology/ POTASSIUM
CHLORIDE, pharmacodynamics/ RATS/
STIMULATION, CHEMICAL/ STRONTIUM,
pharmacodynamics/ TACHYPHYLAXIS
1677. Holloway JP: Transsexuals: legal considerations.
Arch Sex Behav 3:33-50, Jan 74
ADULT/ HUMAN/ *INFORMED CONSENT/
*JURISPRUDENCE/ MALE/ MARRIAGE/ SEX
REVERSAL, GONADAL/ STERILIZATION,
SEXUAL/ *TRANSSEXUALISM, surgery/
UNITED STATES
1678. Holmer NG, Johnsson A, Josefsson JO: Effects of
ultrasonic irradiation upon Amoeba proteus.
Z Naturforsch [C] 28:607-9, Sep-Oct 73
*AMOEBA, radiation effects/ CALCIUM,
metabolism/ CELL AGGREGATION, radiation
effects/ CELL MEMBRANE, radiation effects/
CYTOPLASM, radiation effects/
PINOCYTOSIS, radiation effects/ POTASSIUM,
metabolism/ RADIATION EFFECTS/ TIME
FACTORS/ *ULTRASONICS
1679. Holmes JL, Hooper MJ, Barraclough BH, et al:
Anaesthesia for thyroid surgery.
Anaesth Intensive Care 1:218-25, Feb 73
*ANESTHESIA/ ANESTHESIA, CONDUCTION/
HUMAN/ HYPERTHYROIDISM, drug therapy/
INTUBATION, INTRATRACHEAL/
MYXEDEMA, therapy/ NITROUS OXIDE/
OXYGEN/ POSTOPERATIVE
COMPLICATIONS/ PREANESTHETIC
MEDICATION/ PREGNANCY
COMPLICATIONS, therapy/ PREOPERATIVE
CARE/ THYROID CRISIS, therapy/ THYROID
DISEASES, complications/ THYROID
DISEASES, drug therapy/ THYROID

AUTHOR SECTION

- DISEASES, surgery/ *THYROIDECTOMY/
TRACHEAL STENOSIS, complications
1680. Holmes L, Lewis GP, Peters J, et al: Proceedings: Effect of hydrocortisone and indomethacin on changes in LDH isoenzymes in skin after thermal injury. Br J Pharmacol 44:325P, Feb 72
ANIMAL EXPERIMENTS/ *BURNS, enzymology/ CATS/ *HYDROCORTISONE, pharmacodynamics/ *INDOMETHACIN, pharmacodynamics/ LACTATE DEHYDROGENASE, metabolism/ *LACTATE DEHYDROGENASE ISOENZYMES, antagonists & inhibitors/ RABBITS/ *SKIN, enzymology
1681. Holmsen H, Ostvold AC, Day HJ: Behaviour of endogenous and newly absorbed serotonin in the platelet release reaction. Biochem Pharmacol 22:2599-608, 15 Oct 73
ABSORPTION/ ACETIC ACIDS, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ BLOOD COAGULATION, drug effects/ *BLOOD PLATELETS, metabolism/ CALCIUM, pharmacodynamics/ CARBON RADIOISOTOPES/ COLLAGEN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FLUORESCENCE/ HUMAN/ METHODS/ PLATELET ADHESIVENESS, drug effects/ *SEROTONIN, blood/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ THROMBIN, pharmacodynamics/ TRITIUM
1682. Holstein AF, Schirren C, Schirren CG: Human spermata and spermatozoa lacking acrosomes. J Reprod Fertil 35:489-91, Dec 73
ADULT/ BIOPSY/ CELL NUCLEUS/ EJACULATION/ GOLGI APPARATUS/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ SERTOLI CELLS/ SPERMATOGENESIS/ *SPERMATOZOA/ *STERILITY, MALE, pathology/ TESTIS, pathology
1683. Holtgrave E, Spiessl B: Ein kasuistischer Beitrag zur Klinik des Plasmozytoms. Schweiz Monatsschr Zahnheilkd 83:1274-9, Nov 73 (Ger)
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMORAL FRACTURES, etiology/ FEMORAL NEOPLASMS, complications/ GRANULOMA, GIANT CELL, diagnosis/ HUMAN/ JAW NEOPLASMS, pathology/ MELPHALAN, therapeutic use/ *MOUTH NEOPLASMS, pathology/ MULTIPLE MYELOMA, diagnosis/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, pathology/ PREDNISOLONE, therapeutic use
1684. Holtorff J, Justus B, Melbner D, et al: Die hitzestabile alkalische Phosphatase im mütterlichen Serum und Plazentafunktion. Zentralbl Gynaekol 95:1057-67, 3 Aug 73 (Ger)
*ALKALINE PHOSPHATASE, blood/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, prevention & control/ HEAT/ HUMAN/ *ISOENZYMES, blood/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY COMPLICATIONS, diagnosis/ *PREGNANCY TOXEMIAS, diagnosis/ PRENATAL DIAGNOSIS
1685. Holzbauer M: Proceedings: Central depressant steroids in the ovaries of rats during different phases of the oestrous cycle. J Physiol (Lond) 234:96P-97P, Oct 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ HYDROXYSTEROIDS, analysis/ HYPNOTICS AND SEDATIVES/ KETOSTEROIDS, analysis/ *OVARY, analysis/ OVULATION/ *PREGNANEDIOL, analysis/ *PREGNANES, analysis/ *PROGESTERONE, analysis/ RATS/ TIME FACTORS
1686. Holzbauer M, Youdim MB: Proceedings: Influence of endocrine glands on central and peripheral monoamine oxidase activity. Br J Pharmacol 44:355P-356P, Feb 72
ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMYGDALOID BODY, enzymology/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ CASTRATION/ CAUDATE NUCLEUS, enzymology/ ESTRUS/ FEMALE/ HYPOTHALAMUS, enzymology/ *LIVER, enzymology/ MALE/ *MONOAMINE OXIDASE, metabolism/ MOTOR ACTIVITY/ *MYOCARDIUM, enzymology/ OVARY, enzymology/ RATS/ SEPTUM PELLUCIDUM, enzymology/ SEX FACTORS/ UTERUS, enzymology
1687. Hözl M, Lühje D: Die Bedeutung pathologischer Plazentafunde bei intrauterinem Fruchttod. Zentralbl Gynaekol 95:1481-91, 19 Oct 73 (Ger)
ABRUPTIO PLACENTAE, complications/ ANGIOMATOSIS, complications/ ASPHYXIA NEONATORUM, etiology/ BIRTH WEIGHT/ CEREBRAL HEMORRHAGE, etiology/ ENGLISH ABSTRACT/ ERYTHROBLASTOSIS, FETAL/ FEMALE/ *FETAL DEATH, etiology/ FETAL DEATH, pathology/ GESTATIONAL AGE/ HUMAN/ INFANT, PREMATURE/ ORGAN WEIGHT/ PLACENTA, blood supply/ PLACENTA DISORDERS, complications/ *PLACENTA DISORDERS, pathology/ PLACENTA PRAEVI, complications/ PREGNANCY/ PREGNANCY IN DIABETES, complications/ PREGNANCY, PROLONGED/ TIME FACTORS/ UMBILICAL CORD, pathology
1688. Hong JS, Polaner AM: Effect of low temperature on the release of vasopressin from the isolated bovine neurohypophysis. Endocrinology 91:234-40, Jan 74
ADENOSINE TRIPHOSPHATE, secretion/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CALCIUM, pharmacodynamics/ CATTLE/ CESIUM, pharmacodynamics/ *COLD/ CULTURE MEDIA/ EXOCYTOSIS/ IN VITRO/ LANTHANUM, pharmacodynamics/ LITHIUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ POTASSIUM, pharmacodynamics/ PROTEINS, secretion/ TROMETHAMINE, pharmacodynamics/ *VASOPRESSIN, secretion
1689. Honma Y, Noumura T: Effect of androgens and prostatic cytosol on RNA synthesis in isolated nuclei of ventral prostate. J Endocrinol 59:661-2, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ *CELL NUCLEUS, drug effects/ *CYTOSOL/ IN VITRO/ MALE/ *PROSTATE, drug effects/ RATS/ *RNA, biosynthesis/ *TESTOSTERONE, pharmacodynamics/ TISSUE EXTRACTS, pharmacodynamics/ TRITIUM
1690. Hook RR Jr: Humoral immune response of the adult chinchilla. Lab Anim Sci 23:837-42, Dec 73
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ ANTIGENS/ ANTIGENS, administration & dosage/ ANTIGENS, BACTERIAL/ BRUCELLA ABORTUS, immunology/ *CHINCHILLAS, immunology/ ERYTHROCYTES, immunology/ FEMALE/ FREUND'S ADJUVANT/ GEL DIFFUSION TESTS/ HEMAGGLUTINATION TESTS/ HEMOCYANIN/ IMMUNIZATION/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, metabolism/ SALMONELLA TYPHOSA, immunology/ SERUM ALBUMIN, BOVINE/ SERUM ALBUMIN, RADIO-IODINATED/ SHEEP, immunology/ SPLEEN, metabolism/ THYROID GLAND, metabolism/ THYROIDECTOMY
1691. Hooper MJ, Stiel JN, Selby G, et al: Clinical features of nonfunctioning chromophobe adenomas. Aust NZ J Med 3:371-5, Aug 73
ADENOMA, CHROMOPHOBE, complications/ *ADENOMA, CHROMOPHOBE, diagnosis/ ADOLESCENCE/ ADRENAL GLAND HYPOFUNCTION, etiology/ ADULT/ AGED/ FEMALE/ HEADACHE, etiology/ HUMAN/ HYPOGONADISM, etiology/ HYPOPITUITARISM, diagnosis/ HYPOPITUITARISM, etiology/ HYPOTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION

AUTHOR SECTION

- TESTS/ PITUITARY GLAND FUNCTION
TESTS/ PITUITARY NEOPLASMS,
complications/ *PITUITARY NEOPLASMS,
diagnosis/ TIME FACTORS/ VISION
DISORDERS, etiology
1692. Hör G, Kempen K, Droese M, et al: Szintigraphische Untersuchungen in der Differential-diagnose von gutartigen und bösartigen Schilddrüsenerkrankungen mit ⁶⁷Ga. Acta Endocrinol [Suppl] (Kbh) 77-8, 1973 (Ger)
BIOPSY, NEEDLE/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ *GALLIUM/ HUMAN/ IODINE RADIOISOTOPES/ METHODS/ *RADIOISOTOPE SCANNING/ *RADIOISOTOPES/ TECHNETIUM/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, pathology/ THYROID NEOPLASMS, diagnosis/ THYROIDITIS, diagnosis
1693. Horan AH: Letter: Aspirin, prostaglandin, and gestation. Lancet 1:31, 5 Jan 74
ANIMAL EXPERIMENTS/ ARTHRITIS, drug therapy/ ARTHRITIS, metabolism/ ASPIRIN, administration & dosage/ *ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use/ FEMALE/ HUMAN/ NIDATION, drug effects/ PREGNANCY/ PREGNANCY COMPLICATIONS, infectious, metabolism/ *PREGNANCY, PROLONGED, drug effects/ *PROSTAGLANDINS, metabolism/ RATS
1694. Horanský V, Kubančok J, Cík J: Diferencovaný terátom testis u dojčat'a. Cesk Pediatr 28:818-9, Nov 73 (Slo)
BIOPSY/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ MALE/ *TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS, pathology
1695. Horn MJ, Laursen RA: Solid-phase edman degradation: attachment of carboxyl-terminal homoserine peptides to an insoluble resin. FEBS Lett 36:285-8, 1 Nov 73
ACTIN, analysis/ *AMINO ACIDS, analysis/ CHEMISTRY/ *HOMOSERINE/ LACTONES/ METHODS/ PEPTIDES/ *PEPTIDES, analysis/ POLYAMINES/ POLYSTYRENES/ RABBITS/ *THIOCYANATES
1696. Horn Y, Halden A, Gordan GS: Leucopoietic effect of calusterone (7 beta, 17 alpha-dimethyltestosterone) in women with advanced breast cancer. Scand J Haematol 10:177-80, 1973
ADMINISTRATION, ORAL/ *BREAST NEOPLASMS, drug therapy/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, pharmacodynamics/ FLUOROURACIL, therapeutic use/ HUMAN/ INJECTIONS, INTRAVENOUS/ LEUKOCYTE COUNT/ *LEUKOCYTES, drug effects/ *LEUKOPENIA, drug therapy/ METHANE, administration & dosage/ METHANE, pharmacodynamics/ METHANE, therapeutic use/ METHYLTESTOSTERONE, administration & dosage/ METHYLTESTOSTERONE, pharmacodynamics/ *METHYLTESTOSTERONE, therapeutic use/ NEOPLASM METASTASIS/ STIMULATION, CHEMICAL/ TESTOLACTONE, pharmacodynamics/ TESTOLACTONE, therapeutic use
1697. Hornstein OP: Kreislaufstörungen im Hoden-Nebenbodensystem und ihre Bedeutung für die männliche Fertilität. Andrologie 5:119-25, 1973 (34 ref.) (Ger)
ATROPHY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ NECROSIS/ REGIONAL BLOOD FLOW/ REVIEW/ SPERMATIC CORD TORSION, complications/ *STERILITY, MALE, etiology/ *TESTIS, blood supply/ TESTIS, pathology/ *VARICOCELE, complications/ *VASCULAR DISEASES, complications
1698. Horrobin DF: Letter: Thyrotrophin-releasing hormone, prolactin, and cholesterol. Br Med J 4:876, 15 Dec 73
ANIMAL EXPERIMENTS/ *CHOLESTEROL, blood/ FEMALE/ LACTATION DISORDERS, chemically induced/ NEPHROTIC SYNDROME, blood/ PHENOTHIAZINES, pharmacodynamics/ *PROLACTIN, pharmacodynamics/ RABBITS/ RATS/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics
1699. Horrobin DF, McNelly AS, Jackson FS, et al: Letter: Prolactin and myocardial infarction. Lancet 2:1281, 1 Dec 73
ANGIOTENSIN, pharmacodynamics/ ARRHYTHMIA, chemically induced/ FEMALE/ HEART, drug effects/ HUMAN/ MALE/ *MYOCARDIAL INFARCT, blood/ NOREPINEPHRINE, pharmacodynamics/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY
1700. Horsch W, Kögel J: Untersuchungen zur Dispersität von Arzneistoffen unter besonderer Berücksichtigung von Suspensionssalben. Pharmazie 28:455-60, Jul 73 (Ger)
HYDROCORTISONE, analysis/ MERCURY, analysis/ METHODS/ MICROSCOPY/ *OINTMENTS, analysis/ OXIDES, analysis/ PARTICLE SIZE/ PREDNISOLONE, analysis/ SALICYLIC ACID, analysis/ SULFACETAMIDE, analysis/ *SUSPENSIONS, analysis
1701. Horster FA, Wildmeister W: Indikation und Ergebnis einer medikamentösen Therapie der blanden Struma mit synthetischen Schilddrüsenhormone. Acta Endocrinol [Suppl] (Kbh) 89-90, 1973 (Ger)
DRUG COMBINATIONS/ FEMALE/ *GOITER, drug therapy/ GOITER, NODULAR, drug therapy/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ POSTOPERATIVE CARE/ RECURRENCE/ *THYROXINE, therapeutic use/ TIME FACTORS/ *TRIIODOTHYRONINE, therapeutic use
1702. Horton R: Aldosterone: review of its physiology and diagnostic aspects of primary aldosteronism. Metabolism 22:1525-45, Dec 73 (176 ref.)
ADENOMA, complications/ ADENOMA, radiography/ ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND NEOPLASMS, complications/ ALDOSTERONE, blood/ *ALDOSTERONE, physiology/ ALDOSTERONE, urine/ ANGIOTENSIN, physiology/ ANGIOTENSIN II, diagnostic use/ ANGIOTENSIN II, pharmacodynamics/ ANGIOTENSIN II, physiology/ CORTICOTROPIN, physiology/ DESOXYCORTICOSTERONE, diagnostic use/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, etiology/ HYPERPLASIA/ HYPERTENSION, etiology/ HYPOKALEMIA, etiology/ POTASSIUM, physiology/ RENIN, blood/ RENIN, physiology/ REVIEW/ SODIUM, metabolism/ SPIRONOLACTONE, diagnostic use
1703. Horvath E, Kovacs K, Garg BD, et al: Ultrastructure of the rat ovary transplanted into the spleen. Gynecol Invest 4:73-83, 1973
ANIMAL EXPERIMENTS/ CELL TRANSFORMATION, NEOPLASTIC/ ENDOPLASMIC RETICULUM/ FEMALE/ GONADOTROPINS, PITUITARY, physiology/ MICROSCOPY/ MICROSCOPY, ELECTRON/ *OVARY, cytology/ OVARY, transplantation/ RATS/ SPLEEN, physiology/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS
1704. Hosoda H, Fukushima DK, Fishman J: Convenient, high yield conversion of androst-5-ene-3 β , 17 β -diol to dehydroisoandrosterone. J Org Chem 38:4209-11, 30 Nov 73
*ANDROSTENOLS/ *DEHYDROEPIANDROSTERONE, chem synthesis/ HYDROXYLATION/ METHODS/ OXIDATION-REDUCTION
1705. Host H: Cytostatika og cytostatisk terapi. Tidsskr Nor Lægeforen 93:1857-62, 20 Sep 73 (Nor)
ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/

AUTHOR SECTION

- BREAST NEOPLASMS, drug therapy/
ENZYMES, therapeutic use/ FEMALE/
HORMONES, therapeutic use/ HUMAN/
IMMUNOSUPPRESSIVE AGENTS, therapeutic
use/ LEUKEMIA, drug therapy/ LYMPHOMA,
drug therapy/ MALE/ *NEOPLASMS, drug
therapy/ UROGENITAL NEOPLASMS, drug
therapy
1706. Host H, Abrahamsen AF: Combination chemotherapy
with cyclophosphamide, vinblastine, procarbazine
and prednisone in the treatment of malignant
lymphomas. Scand J Haematol 10:170-8, 1973
ADMINISTRATION, ORAL/
CYCLOPHOSPHAMIDE, adverse effects/
*CYCLOPHOSPHAMIDE, therapeutic use/
DRUG THERAPY, COMBINATION/
*HODGKIN'S DISEASE, drug therapy/
HODGKIN'S DISEASE, mortality/ HUMAN/
INJECTIONS, INTRAVENOUS/ LEUKOCYTE
COUNT/ LEUKOPENIA, chemically induced/
*LYMPHOSARCOMA, drug therapy/
LYMPHOSARCOMA, mortality/ PREDNISONE,
adverse effects/ *PREDNISONE, therapeutic
use/ PROCARBAZINE, adverse effects/
*PROCARBAZINE, therapeutic use/
PROGNOSIS/ REMISSION/ *SARCOMA,
RETICULUM CELL, drug therapy/ SARCOMA,
RETICULUM CELL, mortality/
THROMBOPENIA, chemically induced/
VINBLASTINE, adverse effects/
*VINBLASTINE, therapeutic use
1707. Hou-Jensen K, Kempson RL: The ultrastructure of
gonadoblastoma and dysgerminoma.
Hum Pathol 5:79-91, Jan 74
ADOLESCENCE/ *DISGERMINOMA, pathology/
ENDOPLASMIC RETICULUM/ EPITHELIAL
CELLS/ FEMALE/ HUMAN/ HYALIN
SUBSTANCE/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ NEOPLASMS, EMBRYONAL
AND MIXED, pathology/ NEOPLASMS,
MULTIPLE PRIMARY, pathology/ OVARIAN
NEOPLASMS, pathology
1708. Hounsfield GN: Computerized transverse axial
scanning (tomography). 1. Description of system.
Br J Radiol 46:1016-22, Dec 73
ADIPOSE TISSUE/ BODY FLUIDS/ BONE
AND BONES/ *COMPUTERS, DIGITAL/
*HEAD, radiography/ HUMAN/ PHYSICS/
RADIATION DOSAGE/ *TOMOGRAPHY,
RADIOGRAPHIC, instrumentation
1709. Houvenaghel A, Peeters G, Verschooten F: Influences
of manual udder stimulation and oxytocin on
mammary artery blood flow in lactating cows.
Arch Int Pharmacodyn Ther 205:124-33, Sep 73
ANIMAL EXPERIMENTS/ BLOOD FLOW
VELOCITY/ BLOOD PRESSURE, drug effects/
CATTLE/ DOSE-RESPONSE RELATIONSHIP/
DRUG/ FEMALE/ *LACTATION/ *OXYTOCIN,
pharmacodynamics/ PHYSICAL STIMULATION/
REGIONAL BLOOD FLOW, drug effects/
*THORACIC ARTERIES, drug effects/ UDDER,
blood supply/ UDDER, drug effects/ *UDDER,
physiology
1710. Howard JT: Treatment of esophageal stricture
complicated by sudden death.
Ann Otol Rhinol Laryngol 82:805-8, Nov-Dec 73
AGED/ BIOPSY/ CORTISONE,
therapeutic use/ *DEATH, SUDDEN/
DIAPHRAGMATIC HERNIA, complications/
DILATATION/ ESOPHAGEAL STENOSIS,
complications/ ESOPHAGEAL STENOSIS, drug
therapy/ ESOPHAGEAL STENOSIS, pathology/
ESOPHAGEAL STENOSIS, radiography/
ESOPHAGEAL STENOSIS, therapy/
ESOPHAGOSCOPY/ ESOPHAGUS, radiography/
FEMALE/ FLUOROSCOPY/ HUMAN
1711. Howarth AT, Noble RL, Payne RB, et al: The Leeds
regional quality control scheme for clinical
biochemistry: a progress report.
J Clin Pathol 26:875-80, Nov 73
ALKALINE PHOSPHATASE, blood/ *BLOOD
CHEMICAL ANALYSIS, standards/ BLOOD
PROTEINS, analysis/ CALCIUM, blood/
COMPUTERS, DIGITAL/ ENGLAND/ HUMAN/
IODINE, blood/ PROTEIN BINDING/
QUALITY CONTROL/ UREA, blood/ URIC
ACID, blood
1712. Hower J, Maruhn D, Struck H:
Kreatin-Kinase-Aktivität und Hypocalcämie.
Dtsch Med Wochenschr 99:14-5, 4 Jan 74 (Ger)
ADOLESCENCE/ AGE FACTORS/ CALCIUM,
metabolism/ CHILD/ CHILD, PRESCHOOL/
*CREATINE KINASE, blood/ CREATINE
KINASE, metabolism/ ENGLISH ABSTRACT/
ENZYME TESTS/ FEMALE/ HUMAN/
HYPOCALCEMIA, blood/ *HYPOCALCEMIA,
enzymology/ HYPOCALCEMIA, metabolism/
HYPOPARATHYROIDISM, enzymology/
INFANT/ INFANT, NEWBORN/ MALE/
MEMBRANE POTENTIALS/ MYOCARDIUM,
enzymology/ MYOCARDIUM, metabolism
1713. Howland BE, Ibrahim EA: Increased LH-suppressing
effect of oestrogen in ovariectomized rats as a result
of underfeeding. J Reprod Fertl 35:545-8, Dec 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CASTRATION/ *ESTRADIOL,
pharmacodynamics/ FEMALE/ *FOOD
DEPRIVATION/ FSH, blood/ *LH, antagonists
& inhibitors/ LH, blood/ *OVARY, physiology/
RADIOIMMUNOASSAY/ RATS
1714. Howland BE, Ibrahim EA: Hyperthyroidism and
gonadotropin secretion in male and female rats.
Experientia 29:1398-9, 15 Nov 73
ANIMAL EXPERIMENTS/ BODY WEIGHT,
drug effects/ FEMALE/ FSH, analysis/ FSH,
blood/ *GONADOTROPINS, PITUITARY,
blood/ *HYPERTHYROIDISM, blood/
HYPERTHYROIDISM, chemically induced/ LH,
analysis/ LH, blood/ MALE/ ORGAN
WEIGHT/ OVARY, anatomy & histology/
PITUITARY GLAND, analysis/ PITUITARY
GLAND, anatomy & histology/ RATS/
SEMINAL VESICLES, anatomy & histology/
SEX FACTORS/ TESTIS,
anatomy & histology/ *TRIIODOTHYRONINE,
pharmacodynamics
1715. Hrodek O, Hyniová H: Imunosupresivní léčba
idiopatické trombocytopenie u dětí.
Cesk Pediatr 28:457-61, Sep 73 (Cze)
ADOLESCENCE/ AZATHIOPRINE, therapeutic
use/ CHILD/ CHILD, PRESCHOOL/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
*IMMUNOSUPPRESSIVE AGENTS, therapeutic
use/ INFANT/ MALE/ PREDNISONE,
therapeutic use/ *PURPURA,
THROMBOPENIC, drug therapy/
SPLENECTOMY/ VINBLASTINE, therapeutic
use
1716. Hrubesch M, Wagner H, Stürmer H, et al:
Hypophysen-Schilddrüsen-Funktion bei Patienten
mit chronischer Niereninsuffizienz unter
intermittierender Hämodialyse.
Med Welt 24:1532-4, 5 Oct 73 (Ger)
ADULT/ *HEMODIALYSIS/ HUMAN/
*KIDNEY FAILURE, CHRONIC,
physiopathology/ KIDNEY FAILURE,
CHRONIC, therapy/ MIDDLE AGE/
*PITUITARY GLAND, physiopathology/
PITUITARY GLAND FUNCTION TESTS/
*THYROID GLAND, physiopathology/
THYROID GLAND FUNCTION TESTS
1717. Hrushesky WJ, Murphy GP: Investigation of a new
renal tumor model. J Surg Res 15:327-36, Nov 73
ADENOCARCINOMA, blood/
ADENOCARCINOMA, drug therapy/
ADENOCARCINOMA, etiology/
ADENOCARCINOMA, immunology/
*ADENOCARCINOMA, pathology/ ANIMAL
EXPERIMENTS/ ANTIGENS, NEOPLASM/
COMPARATIVE STUDY/ *DISEASE MODELS,
ANIMAL, pathology/ ERYTHROPOIETIN,
biosynthesis/ HEMATOCRIT/ HORMONES,
therapeutic use/ INCLUSION BODIES, VIRAL/
KIDNEY NEOPLASMS, blood/ KIDNEY
NEOPLASMS, drug therapy/ KIDNEY
NEOPLASMS, etiology/ KIDNEY NEOPLASMS,
immunology/ *KIDNEY NEOPLASMS,
pathology/ KINETICS/ MICE/ MICROSCOPY,

AUTHOR SECTION

ELECTRON/ NEOPLASM METASTASIS/
NEOPLASM TRANSPLANTATION/
NEOPLASMS, EXPERIMENTAL, pathology

1718. Hsü CY, Chiang CH, Liang HM: Effect of hypophysectomy on sex transformation in frog tadpoles. *Endocrinol Jap* 20:391-5, Aug 73
ANIMAL EXPERIMENTS/ FEMALE/ FROGS/
HEAT/ HYPOPHYSECTOMY/ LARVA/ MALE/
OVARY, anatomy & histology/ *PITUITARY GLAND, physiology/ *RANA CATESBEIANA, physiology/ *SEX DETERMINATION/ SEX HORMONES, pharmacodynamics/
TEMPERATURE/ TESTIS, anatomy & histology

1719. Hsueh CC, Feingold DS: Selective membrane toxicity of the polyene antibiotics: studies on natural membranes.
Antimicrob Agents Chemother 4:316-9, Sep 73
AMPHOTERICIN B, toxicity/ *ANTIBIOTICS, toxicity/ CANDIDA ALBICANS, drug effects/
*CELL MEMBRANE PERMEABILITY, drug effects/ CHOLESTEROL, metabolism/ DRUG RESISTANCE, MICROBIAL/ ERGOSTEROL, metabolism/ ERYTHROCYTES, drug effects/
FATTY ACIDS, UNSATURATED, toxicity/ HEMOLYSIS, drug effects/ LACTONES, toxicity/ MICROBIAL SENSITIVITY TESTS/ MYCOPLASMA LAIDLAWII, drug effects/
NYSTATIN, toxicity/ POLYENES, toxicity/ STRUCTURE-ACTIVITY RELATIONSHIP

1720. Hsueh AM, Simonson M, Chow BF, et al: The importance of the period of dietary restriction of the dam on behavior and growth in the rat.
J Nutr 104:37-46, Jan 74
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ EYELIDS, physiology/ FEMALE/ FOOD DEPRIVATION/ GROWTH DISORDERS, etiology/ LACTATION/ LEARNING/ MALE/ MATERNAL-FETAL EXCHANGE/ NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, mortality/ *NUTRITION DISORDERS, physiology/ PLACENTA DISORDERS/ PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, mortality/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ RATS/ REPRODUCTION/ TIME FACTORS/ TOOTH ERUPTION

1721. Hu JW: Refractory period of hypothalamic thirst pathway in the rat.
J Comp Physiol Psychol 85:463-8, Dec 73
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ *DRINKING/ DRINKING BEHAVIOR/ *HYPOTHALAMUS, physiology/ MALE/ *NEURAL CONDUCTION/ NEURAL INTERCONNECTIONS/ RATS/ REFRACTORY PERIOD, NEUROLOGIC/ SELF STIMULATION/ *THIRST

1722. Huacuja L, Sosa A, Delgado NM, et al: A kinetic study of the participation of zinc in human spermatozoa metabolism. *Life Sci* 13:1383-94, 16 Nov 73
CALCIUM, metabolism/ CYSTEINE, pharmacodynamics/ EDTA, pharmacodynamics/ ENERGY METABOLISM/ GLUCOSE, pharmacodynamics/ HISTIDINE, pharmacodynamics/ HUMAN/ KINETICS/ MAGNESIUM, metabolism/ MALE/ OXYGEN CONSUMPTION, drug effects/ PYRUVATES, pharmacodynamics/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SPERM CAPACITATION/ SPERMATOZOA, drug effects/ *SPERMATOZOA, metabolism/ SPERMATOZOA, physiology/ SUCCINATES, pharmacodynamics/ TIME FACTORS/ *ZINC, metabolism

1723. Huang M, Ho AK, Daly JW: Accumulation of adenosine cyclic 3',5'-monophosphate in rat cerebral cortical slices. Stimulatory effect of alpha and beta adrenergic agents after treatment with 6-hydroxydopamine, 2,3,5-trihydroxyphenethylamine, and dihydroxytryptamines. *Mol Pharmacol* 9:711-7, Nov 73
ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CARBON

RADIOISOTOPES/ *CEREBRAL CORTEX, metabolism/ DICHLOROISOPROTERENOL, pharmacodynamics/ DOPAMINE, pharmacodynamics/ DRUG INTERACTIONS/ HISTAMINE, pharmacodynamics/
*HYDROXYDOPAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/
PAPAVERINE, pharmacodynamics/
*PHENETHYLAMINES, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics/
*SYMPATHOMIMETICS, pharmacodynamics/
*TRYPTAMINES, pharmacodynamics/
VERATRINE, pharmacodynamics/ XANTHINES, pharmacodynamics

1724. Huber: Die okulären Symptome der zerebralen Aneurysmen. *Ophthalmologica* 167:165-88, 1973 (Ger)
ADULT/ CEREBRAL ANEURYSM, complications/ *CEREBRAL ANEURYSM, diagnosis/ CEREBRAL ANEURYSM, radiography/ CEREBRAL ANGIOGRAPHY/ CEREBRAL ARTERIOVENOUS MALFORMATIONS, complications/ CEREBRAL ARTERIOVENOUS MALFORMATIONS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ EXOPHTHALMOS, etiology/ *EYE DISEASES, etiology/ *EYE MANIFESTATIONS/ FEMALE/ HEMIANOPSIA, etiology/ HUMAN/ OCULOMOTOR PARALYSIS, etiology/ RETINAL HEMORRHAGE, etiology/ RUPTURE/ SCOTOMA, etiology/
STRABISMUS, etiology/ SUBARACHNOID HEMORRHAGE, etiology/ VISION DISORDERS, etiology

1725. Huber P: Die euthyreote endemische Struma als Krankheit.
Acta Endocrinol [Suppl] (Kbh) 64-5, 1973 (Ger)
GOITER, ENDEMIC, complications/ *GOITER, ENDEMIC, physiology/ GOITER, ENDEMIC, therapy/ HUMAN/ HYPERTHYROIDISM, etiology/ THYROID GLAND, physiology/ *THYROID GLAND, physiology

1726. Hubl W, Keibel D, Büchner M, et al: Eine Mikromethode zur Bestimmung der unkonjugierten 11-Hydroxykortikosterole im Kapillarblut an einer Gerätekombination des VEB Carl Zeiss Jena. 1. Methodik.
Z Med Labortech 14:223-8, 1973 (Ger)
*CHEMISTRY, CLINICAL, instrumentation/ ENGLISH ABSTRACT/ HUMAN/ *11-HYDROXYCORTICOSTEROIDS, blood/ METHODS

1727. Hucklebridge FH, Nowell NW: Effect of infantile banding upon plasma catecholamine response to acute noxious stimulation in adulthood.
Behav Biol 9:563-79, Nov 73
ADRENAL GLANDS, analysis/ ADRENAL GLANDS, anatomy & histology/ AGGRESSION/ AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN, growth & development/
*ANIMALS, NEWBORN, physiology/ BODY WEIGHT/ CHICKENS/ ELECTROSHOCK/ EPINEPHRINE, analysis/ *EPINEPHRINE, blood/ FEMALE/ *HANDLING (PSYCHOLOGY)/ MALE/ MICE/
*NOREPINEPHRINE, blood/ ORGAN WEIGHT/ RATS/ SPECIES SPECIFICITY/ *STRESS, PSYCHOLOGICAL

1728. Huhtaniemi I: Endogenous steroid sulphates and glucuronides in the gallbladder bile from early and mid-term human fetuses.
J Endocrinol 59:503-10, Dec 73
ANDROSTENES, analysis/ *BILE, analysis/ CHROMATOGRAPHY, GAS/ DEHYDROEPIANDROSTERONE, analysis/ FEMALE/ *FETUS, metabolism/ GALLBLADDER/ *GLUCURONATES, analysis/ HUMAN/ HYDROXY-PREGNENOLONE, analysis/ PREGNANCY/ PREGNANEDIOL, analysis/ PREGNANETRIOL, analysis/ PREGNENOLONE, analysis/ SPECTRUM

AUTHOR SECTION

- ANALYSIS, MASS/ *STEROIDS, analysis/
*SULFATES, analysis
1729. Hultén L, Kindblom LG, Lindhagen J, et al: Funicular and pedal lymphography in testicular tumours. *Acta Chir Scand* 136:746-58, 1973
AUTOPSY/ CHORIOCARCINOMA, radiography/
DISGERMINOMA, radiography/ HUMAN/
LEYDIG CELL TUMOR, radiography/
LIPOSARCOMA, radiography/ LYMPH NODE
EXCISION/ LYMPHATIC METASTASIS/
LYMPHOGRAPHY/ LYMPHOMA, radiography/
RHABDOMYOSARCOMA, radiography/
TERATOID TUMOR, radiography/
*TESTICULAR NEOPLASMS, radiography
1730. Humphreys DJ: Studies on the active principle of *Solanum malacoxylon*. *Nature [New Biol]* 246:155-7, 5 Dec 73
ANIMAL EXPERIMENTS/
CHOLECALCIFEROL, pharmacodynamics/
CHROMATOGRAPHY, PAPER/ GEL
FILTRATION/ PHOSPHORUS, blood/
PHOSPHORUS METABOLISM DISORDERS,
blood/ *PHOSPHORUS METABOLISM
DISORDERS, chemically induced/ PLANT
EXTRACTS, adverse effects/ PLANT
EXTRACTS, isolation & purification/ *PLANT
POISONING, etiology/ *PLANTS, analysis/
RABBITS/ SOLVENTS
1731. Hunt PS, Holyoke ED: The influence of immunosuppression and sex hormone manipulation on mammary tumorigenesis in the rat. *Aust J Exp Biol Med Sci* 51:417-20, Jun 73
ANIMAL EXPERIMENTS/
*ANTILYMPHOCYTE SERUM,
pharmacodynamics/ BENZANTHRACENES/
CASTRATION/ *ESTRADIOL,
pharmacodynamics/ FEMALE/ *MAMMARY
NEOPLASMS, EXPERIMENTAL, chemically
induced/ RATS/ *TESTOSTERONE,
pharmacodynamics
1732. Hunt RC, Brown JC: Surface glycoproteins of mouse L cells. *Biochemistry* 13:22-8, 1 Jan 74
ALCOHOL OXIDOREDUCTASES, metabolism/
AMINO ACIDS, metabolism/ BOROHYDRIDES,
metabolism/ CARBON RADIOISOTOPES/ CELL
MEMBRANE, metabolism/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GLUCOSAMINE,
metabolism/ GLYCOPOLYMER, metabolism/
GLYCOPROTEINS, biosynthesis/
*GLYCOPROTEINS, metabolism/ IODIDES,
metabolism/ IODINE RADIOISOTOPES/ L
CELLS, cytology/ L CELLS, drug effects/ L
CELLS, growth & development/ *L CELLS,
metabolism/ MEMBRANES, metabolism/ MICE/
MOLECULAR WEIGHT/ PEROXIDASES,
metabolism/ PYRIDOXAL PHOSPHATE,
metabolism/ SODIUM, metabolism/ SODIUM
DODECYL SULFATE/ TRITIUM/ TRYPSIN,
pharmacodynamics
1733. Hunt SM, Kincheloe BW, Schreier PC: Tubo-ovarian abscess in pregnancy. *Obstet Gynecol* 43:57-60, Jan 74
*ABSCCESS, diagnosis/ ABSCCESS, surgery/
ADULT/ CESAREAN SECTION/ DIAGNOSIS,
DIFFERENTIAL/ *FALLOPIAN TUBES,
surgery/ FEMALE/ HUMAN/
HYSTERECTOMY/ INFANT, NEWBORN/
OVARIAN DISEASES, diagnosis/ OVARIAN
DISEASES, surgery/ PREGNANCY/
*PREGNANCY COMPLICATIONS, diagnosis/
PREGNANCY COMPLICATIONS, surgery/
TIME FACTORS/ UTERINE DISEASES,
diagnosis/ UTERINE DISEASES, surgery
1734. Hunt WL, Cheng WD: Sexual activity in castrated male rabbits after oral administration of 7 alpha-methyl-19-nortestosterone 17-(1-adamantoate). *Physiol Behav* 11:893-6, Dec 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ BRIDGED COMPOUNDS,
administration & dosage/ BRIDGED
COMPOUNDS, pharmacodynamics/
CASTRATION/ CYCLOPARAFFINS,
administration & dosage/ CYCLOPARAFFINS,
pharmacodynamics/ DELAYED-ACTION
PREPARATIONS/ EJACULATION,
drug effects/ MALE/ NORMETHANDROLONE,
administration & dosage/
*NORMETHANDROLONE, pharmacodynamics/
RABBITS/ *SEX BEHAVIOR, ANIMAL, drug
effects
1735. Hunter RH, Hall JP: Proceedings: Capacitation of hoar spermatozoa: regional influences of the female reproductive tract. *J Reprod Fertil* 35:593-4, Dec 73
ANIMAL EXPERIMENTS/ *FALLOPIAN
TUBES, physiology/ FEMALE/
FERTILIZATION/ GONADOTROPINS,
CHORIONIC, pharmacodynamics/ HUMAN/
MALE/ OVULATION, drug effects/ *SPERM
CAPACITATION/ *SWINE, physiology/ TIME
FACTORS/ *UTERUS, physiology
1736. Hurley LS, Bell LT: Genetic influence on response to dietary manganese deficiency in mice. *J Nutr* 104:133-7, Jan 74
ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ BIRTH WEIGHT/ DEFICIENCY
DISEASES/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ FEMALE/ GENES/ GENETICS/
HYBRIDIZATION/ *LABYRINTH, growth &
development/ *MANGANESE, administration &
dosage/ MANGANESE, pharmacodynamics/
MATERNAL-FETAL EXCHANGE/ METAL
METABOLISM, INBORN ERRORS/ MICE/
MICE, INBRED STRAINS/ MUTATION/
NUTRITIONAL REQUIREMENTS/
PIGMENTATION DISORDERS/ PLACENTA
DISORDERS/ PREGNANCY/ *PREGNANCY
COMPLICATIONS/ REPRODUCTION, drug
effects/ SPECIES SPECIFICITY
1737. Husby G: Myositt, tendinitt og hursitt som ledd i belastnings-og feilfunksjonssykdommer. *Tidsskr Nor Lægeforen* 93:2371-5, 20 Nov 73 (Nor)
ADMINISTRATION, TOPICAL/ *ADRENAL
CORTEX HORMONES, therapeutic use/
*BURSITIS, physiotherapy/ BURSITIS,
therapy/ DIATHERMY/ ENGLISH ABSTRACT/
EXERCISE THERAPY/ HUMAN/ ICE/
INJECTIONS/ *MYOSITIS, physiotherapy/
MYOSITIS, therapy/ PHYSICAL THERAPY/
SHOULDER, injuries/ *SHOULDER,
physiotherapy/ STRESS, MECHANICAL/
*TENDINITIS, physiotherapy/ TENDINITIS,
therapy/ ULTRASONIC THERAPY
1738. Huxtable R, Bressler R: Effect of taurine on a muscle intracellular membrane. *Biochim Biophys Acta* 323:573-83, 16 Nov 73
ADENOSINE TRIPHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ BINDING SITES/
BIOLOGICAL TRANSPORT/ CALCIUM,
metabolism/ CALCIUM RADIOISOTOPES/
CELL FRACTIONATION/ CENTRIFUGATION,
DENSITY GRADIENT/
CHLOROMERCURIBENZOATES,
pharmacodynamics/ COMPARATIVE STUDY/
FEMALE/ HISTIDINE, pharmacodynamics/
HYDROGEN-ION CONCENTRATION/
KINETICS/ MUSCLES, cytology/ *MUSCLES,
metabolism/ OXALATES, metabolism/
PHOSPHOLIPASE, pharmacodynamics/
PHOSPHORUS RADIOISOTOPES/ PROTEIN
BINDING/ RATS/ SARCOPLASMIC
RETICULUM, drug effects/ *SARCOPLASMIC
RETICULUM, metabolism/ *TAURINE,
pharmacodynamics/ TIME FACTORS
1739. Hyde E, Joyce D, Gurewicz V, et al: Intravascular coagulation during pregnancy and the puerperium. *J Obstet Gynaecol Br Commonw* 80:1059-66, Dec 73
ABO FACTORS/ ABORTION, blood/ ADULT/
AGE FACTORS/ BACTERIURIA, blood/
*BLOOD COAGULATION/ BLOOD
COAGULATION TESTS/ BLOOD GROUPS/
DELIVERY/ DISSEMINATED
INTRAVASCULAR COAGULATION, etiology/
ESTROGENS, pharmacodynamics/ FEMALE/
FIBRIN, analysis/ FIBRIN, metabolism/
FIBRINOGEN, metabolism/ FIBRINOLYSIS/
HUMAN/ LACTATION, drug effects/ PARITY/
*PREGNANCY/ *PREGNANCY
COMPLICATIONS, blood/ PREGNANCY
COMPLICATIONS, INFECTIOUS, blood/
PREGNANCY TOXEMIAS, blood/

AUTHOR SECTION

PROTAMINES/ *PUERPERAL DISORDERS,
blood/ SMOKING, physiopathology/
STAPHYLOCOCCUS/ TIME FACTORS

1740. Hyla R, Baron J, Sobieszczak S, et al: Porównawcze wyniki oznaczeń gonadotropiny LH metodą immunochemiczną i radioimmunologiczną. Endokrynol Pol 24:467-71, Nov-Dec 73 (Pol)
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNOCHEMISTRY/ *LH, urine/ METHODS/ OVARIAN DISEASES, urine/ RADIOIMMUNOASSAY

I

1741. Iakovleva IV, Borisova EA: Shchitovidnaya zheleza oserrov Aclpenser güldenstädti dol posle nerestai pri soderzhanii ryb v gipertonicheskom rastvore khloristogo natrila. Zh Evol Biokhim Fiziol 9:65-9, Jan-Feb 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *FISHES, physiology/ *REPRODUCTION/ *SODIUM CHLORIDE, pharmacodynamics/ THYROID GLAND, cytology/ THYROID GLAND, drug effects/ *THYROID GLAND, physiology
1742. Ianeva R, Khubenov A: Rladuk sluchal na ednostranna agenezila na laichnika, suchetana s dermoidna kista. Akush Ginekoi (Sofia) 12:156-7, 1973 (Bul)
CASE REPORT/ *DERMOID CYST, complications/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, complications/ *OVARY, abnormalities
1743. Iartsev SG, Il'in VN: K rentgenodagnostike podagry. Vestn Rentgenol Radiol 48:98-9, Jul-Aug 73 (Rus)
FOOT, radiography/ GOUT, complications/ *GOUT, radiography/ HAND, radiography/ HUMAN/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, complications/ OSTEOPOROSIS, radiography
1744. Iatsenko VN, Gullakin MF, Tsarev BM, et al: Sluchaï pervichnogo giperparatireozia s atypichnym techeniem. Klin Med (Mosk) 51:124-5, May 73 (Rus)
ADULT/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ MALE/ PARATHYROID NEOPLASMS, complications
1745. Ibata Y: [Hypothalamic neuron and monoamines] Cln Endocrinol (Tokyo) 21:988-96, Oct 73 (Jap)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ CATS/ DOPAMINE, analysis/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMUS, analysis/ HYPOTHALAMUS, cytology/ MICROSCOPY, ELECTRON/ *NEURONS, analysis
1746. Ibbertson HK: Himalayan goltre. Acta Endocrinol [Suppl] (Kbh) 13-4, 1973
ADOLESCENCE/ AGE FACTORS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ DEAF-MUTISM, occurrence/ FEMALE/ *GOITER, occurrence/ HUMAN/ HYPOTHYROIDISM, occurrence/ IODINE RADIOISOTOPES/ IODOPROTEINS, blood/ LONG-ACTING THYROID STIMULATOR, blood/ MALE/ MIDDLE AGE/ NEPAL/ PROTEIN-BOUND IODINE TEST/ SEX FACTORS/ TRIIODOTHYRONINE, blood
1747. Ichihara I, Santti RS, Pellinleml LJ: Effects of testosterone, hydrocortisone and insulin on the fine structure of the epithelium of rat ventral prostate in organ culture. Z Zellforsch Mikrosk Anat 143:425-38, 18 Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/ ENDOPLASMIC RETICULUM/ EPITHELIAL CELLS, drug effects/ GOLGI APPARATUS/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, pharmacodynamics/ MALE/ MICROSCOPY, ELECTRON/ ORGAN CULTURE/ PROSTATE, cytology/ PROSTATE, drug effects/ RATS/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS
1748. Igarashi M, Taya K: [Discovery of gonadotropin releasing factor (LH-RF, FSH-RF) and history of its research] Cln Endocrinol (Tokyo) 21:875-84, Sep 73 (Jap)
ANIMAL EXPERIMENTS/ CATTLE/ *CHEMISTRY, history/ HISTORICAL ARTICLE/ *LH-FSH RELEASING HORMONE, isolation & purification/ RESEARCH, history
1749. Iijima AT, Reiffenstein RJ: Proceedings: Possible allosteric interaction between pharmacological receptors in guinea-pig vas deferens. Br J Pharmacol 44:364P-365P, Feb 72
ALLOSTERIC REGULATION/ ANIMAL EXPERIMENTS/ GUINEA PIGS/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IN VITRO/ MALE/ METHACHOLINE COMPOUNDS, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN, pharmacodynamics/ *VAS DEFERENS, drug effects/ VAS DEFERENS, physiology
1750. Iizuka R, Nakamura S, Kurokawa H, et al: [LH-RH therapy in menstruation and ovulation disorders] Cln Endocrinol (Tokyo) 21:935-43, Sep 73 (Jap)
FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *LH-FSH RELEASING HORMONE, therapeutic use/ *MENSTRUATION DISORDERS, drug therapy/ OVULATION, drug effects/ PITUITARY GLAND, drug effects
1751. Ikeda K, Asaka A, Inouye E, et al: Monozygotic twins concordant for Prader-Willi syndrome. Jap J Hum Genet 18:220-5, Sep 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ CHILD/ *DISEASES IN TWINS/ HUMAN/ *HYPOGONADISM, familial & genetic/ MALE/ *MENTAL RETARDATION, familial & genetic/ OBESITY, familial & genetic
1752. Ikeda M: [Plasma insulin levels in endocrine diseases. 3. Plasma insulin levels in patients with adrenal gland diseases and during steroid treatment] Folia Endocrinol Jap 49:1286-96, Oct 73 (Jap)
ADOLESCENCE/ *ADRENAL GLAND DISEASES, blood/ ADRENAL GLAND NEOPLASMS, blood/ ADULT/ BLOOD SUGAR, analysis/ CHILD/ CUSHING'S SYNDROME, blood/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, blood/ MALE/ MIDDLE AGE/ PHENTOLAMINE, pharmacodynamics/ PHEOCHROMOCYTOMA, blood/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics
1753. Ikemoto N: The calcium binding sites involved in the regulation of the purified adenosine triphosphatase of the sarcoplasmic reticulum. J Biol Chem 249:649-51, 25 Jan 74
ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ DIALYSIS/ ENZYME ACTIVATION/ HYDROLYSIS/ MUSCLES, cytology/ MUSCLES, enzymology/ PROTEIN BINDING/ PROTEIN CONFORMATION/ RABBITS/ SARCOPLASMIC RETICULUM, drug effects/ *SARCOPLASMIC RETICULUM, enzymology/ SURFACE-ACTIVE AGENTS, pharmacodynamics
1754. Ikram H, Banim S, Fowler PB: Diagnostic index for premyxoedema. Lancet 2:1405-8, 22 Dec 73
AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/

AUTHOR SECTION

- *HYPERCHOLESTEREMIA, complications/
HYPERCHOLESTEREMIA, diagnosis/
HYPERCHOLESTEREMIA, immunology/
HYPOTHYROIDISM, complications/
*HYPOTHYROIDISM, diagnosis/
HYPOTHYROIDISM, etiology/ MALE/
METHODS/ MYXEDEMA, complications/
*MYXEDEMA, diagnosis/ MYXEDEMA,
immunology/ THYROID GLAND, immunology/
THYROID GLAND FUNCTION TESTS/
THYROIDITIS, complications/ THYROIDITIS,
etiology/ THYROIDITIS, immunology/ TIME
FACTORS
1755. Il'uchenok RIu: Analiz uchastila khollnergicheskikh
mekhanizmv v formirovani sleda pamlati.
Zh Vyssh Nerv Delat 23:315-22, Mar-Apr 73 (Rus)
*ACETYLCHOLINE, physiology/ ANIMAL
EXPERIMENTS/ *BRAIN, physiology/ CATS/
CEREBRAL CORTEX, physiology/
CONDITIONING (PSYCHOLOGY)/ ENGLISH
ABSTRACT/ EVOKED POTENTIALS/
HIPPOCAMPUS, physiology/ HYPOTHALAMUS,
physiology/ *LIMBIC SYSTEM, physiology/
*MEMORY/ MESENCEPHALON/ RATS/
RETICULAR FORMATION, physiology
1756. Illés P, Hadrázy P, Torma Z, et al: The effect of number
of stimuli and rate of stimulation on the inhibition by
PGE1 of adrenergic transmission.
Eur J Pharmacol 24:29-36, Oct 73
ACETYLCHOLINE, metabolism/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY, THIN
LAYER/ DEPRESSION, CHEMICAL/
ELECTRIC STIMULATION/ GUINEA PIGS/
HEART ATRIUM, drug effects/ HEART
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effects/ JEJUNUM, innervation/ MALE/
MUSCLE CONTRACTION, drug effects/
*NEURAL TRANSMISSION, drug effects/
NOREPINEPHRINE, metabolism/
*PROSTAGLANDINS, pharmacodynamics/
RABBITS/ *SYMPATHETIC NERVOUS
SYSTEM, drug effects/ TEMPERATURE/ VAS
DEFERENS, drug effects/ VAS DEFERENS,
innervation
1757. Imaizumi K, Tazawa Y, Shoji U, et al: Application of
drip infusion therapy to severe ocular inflammatory
diseases. Trans Ophthalmol Soc NZ 25:196-201, 1973
ADOLESCENCE/ ADULT/ *ANTIBIOTICS,
administration & dosage/ ANTIBIOTICS,
therapeutic use/ CORNEA, transplantation/
EYE INJURIES, drug therapy/ FEMALE/
*GLUCOCORTICOIDS,
administration & dosage/ GLUCOCORTICOIDS,
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administration & dosage/ GLUTATHIONE,
therapeutic use/ HUMAN/ INFUSIONS,
PARENTERAL/ MALE/ *OPHTHALMIA, drug
therapy/ POSTOPERATIVE COMPLICATIONS,
drug therapy/ TRANSPLANTATION,
HOMOLOGOUS/ *VITAMIN B COMPLEX,
administration & dosage/ VITAMIN B
COMPLEX, therapeutic use
1758. Imamura H, Ikegami K, Okumoto T: Synergistic effects
of bis(3-methylsulfonyloxypropyl)-amine
toluenesulfonate (864-T) with 6-mercaptopurine and
other antitumor agents. Gann 64:427-31, Oct 73
*ALKYLATING AGENTS, administration &
dosage/ ALKYLATING AGENTS, therapeutic
use/ ANIMAL EXPERIMENTS/
*ANTINEOPLASTIC AGENTS, administration
& dosage/ ANTINEOPLASTIC AGENTS,
therapeutic use/ CHROMOMYCINS,
administration & dosage/ CHROMOMYCINS,
therapeutic use/ COMPARATIVE STUDY/
CYCLOPHOSPHAMIDE, administration &
dosage/ CYCLOPHOSPHAMIDE, therapeutic
use/ CYTARABINE, administration & dosage/
CYTARABINE, therapeutic use/ DRUG
SYNERGISM/ FLUOROURACIL, therapeutic
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*MERCAPTOPYRINE, administration & dosage/
MERCAPTOPYRINE, therapeutic use/
*METHANESULFONATES, administration &
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dosage/ MITOMYCIN, therapeutic use/
NITROGEN MUSTARD COMPOUNDS,
administration & dosage/ NITROGEN
MUSTARD COMPOUNDS, therapeutic use/
PREDNISOLONE, administration & dosage/
PREDNISOLONE, therapeutic use/ RATS/
SARCOMA, YOSHIDA, drug therapy/ TOSYL
COMPOUNDS, administration & dosage/
TOSYL COMPOUNDS, therapeutic use
1759. Imura H, Kato Y, Chihara K, et al: [Cerebral amines and
pituitary function]
Cln Endocrinol (Tokyo) 21:997-1005, Oct 73 (Jap)
*AMINES, metabolism/ ANIMAL
EXPERIMENTS/ *BRAIN, metabolism/
*PITUITARY GLAND, physiology/
PROLACTIN, secretion/ RATS/
SOMATOTROPIN, secretion
1760. Inatsuki B, Hiraga M, Anan FK: Studies on the
biochemical properties of human thyroid gland
mitochondria. J Biochem (Tokyo) 74:837-48, Oct 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID,
metabolism/ CAPROATES, metabolism/
COMPARATIVE STUDY/ DINITROPHENOLS,
pharmacodynamics/ ELECTRON TRANSPORT/
GLYCEROPHOSPHATES, metabolism/ GOITER,
EXOPHTHALMIC, metabolism/ HUMAN/
HYDROXYBUTYRATES, metabolism/
KETOGUTARIC ACID, metabolism/
MICROSCOPY, ELECTRON/ MITOCHONDRIA,
drug effects/ *MITOCHONDRIA, metabolism/
OLIGOMYCIN, pharmacodynamics/
OXIDATION-REDUCTION/ OXYGEN
CONSUMPTION/ RATS/ SPECTRUM
ANALYSIS/ SUCCINATES, metabolism/
THYROID GLAND, cytology/ THYROID
GLAND, drug effects/ *THYROID GLAND,
metabolism
1761. Ingelfinger FJ: Editorial: Gallstones and estrogens.
N Engl J Med 290:51-2, 3 Jan 74
AGE FACTORS/ ANIMAL EXPERIMENTS/
BILE, drug effects/ *CHOLELITHIASIS,
chemically induced/ CHOLELITHIASIS,
occurrence/ CHOLESTASIS,
chemically induced/ CHOLESTASIS, etiology/
*ESTROGENS, adverse effects/ ESTROGENS,
pharmacodynamics/ FEMALE/ HUMAN/
MENOPAUSE/ MONKEYS/ RATS/ SEX
FACTORS
1762. Ingenbleek Y, Beckers C: Evidence for intestinal
malabsorption of iodine in protein-calorie
malnutrition. Am J Clin Nutr 26:1323-30, Dec 73
ADMINISTRATION, ORAL/ CHILD
NUTRITION/ CHILD, PRESCHOOL/
COMPARATIVE STUDY/ FECES, analysis/
GASTRIC MUCOSA, physiology/ GOITER,
ENDEMIC, etiology/ HALF-LIFE/ HUMAN/
HYPERTHYROIDISM, physiology/
INFANT/ INJECTIONS, INTRAVENOUS/
INTESTINAL MUCOSA, physiology/
INTESTINE, SMALL, physiology/ IODINE,
administration & dosage/ *IODINE,
metabolism/ IODINE RADIOISOTOPES/
*MALABSORPTION SYNDROMES, etiology/
MALABSORPTION SYNDROMES,
physiology/ PROTEIN-CALORIE
MALNUTRITION, complications/
*PROTEIN-CALORIE MALNUTRITION,
metabolism/ SENEGAL/ SODIUM,
administration & dosage/ THYROID GLAND
FUNCTION TESTS
1763. Ingills AS, Nicholls PW: Acetylation of
phenylthiohydantoins of amino acids.
J Chromatogr 86:117-22, 7 Nov 73
ACETYLATION/ *AMINO ACIDS/ AMINO
ACIDS, analysis/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
*HYDANTOINS/ MOLECULAR WEIGHT/
NUCLEAR MAGNETIC RESONANCE/
SPECTRUM ANALYSIS, MASS/
TEMPERATURE/ THIOHYDANTOINS/
THIOHYDANTOINS, analysis/
VOLATILIZATION
1764. Innami S, Yang MG, Mickelsen O: Urinary and fecal
excretion and incorporation of 14C-estradiol in fat

AUTHOR SECTION

- depots of obese and lean rats.
Proc Soc Exp Biol Med 144:220-4, 1 Oct 73
*ADIPOSE TISSUE, metabolism/ ANIMAL
EXPERIMENTS/ BODY WEIGHT/ CARBON
RADIOISOTOPES/ DIETARY FATS/
ESTRADIOL, analysis/ *ESTRADIOL,
metabolism/ ESTRADIOL, urine/ ESTRUS/
FECES, analysis/ FEMALE/ *OBESITY,
metabolism/ RATS
1765. Inokl R: [Mechanisms of actions of analgesics--especially on peripheral actions]
Folia Pharmacol Jap 69:845-59, Sep 73 (111 ref.) (Jap)
ACETYLCHOLINE/ *ANALGESICS AND
ANTIPYRETICS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BRADYKININ/
CATECHOLAMINES/ CHEMORECEPTORS,
physiology/ DRUG SYNERGISM/ HISTAMINE/
HUMAN/ MORPHINE, pharmacodynamics/
PAIN, chemically induced/ PAIN,
physiology/ PEPTIDE HYDROLASES/
*PERIPHERAL NERVES, drug effects/
PROSTAGLANDINS/ RECEPTORS, NEURAL/
REVIEW/ SEROTONIN/ SUBSTANCE P
1766. Inoue Y, Uchino S, Asano T, et al: The mineralization pattern of developing fish tooth enameloid using X-ray probe microanalyzer, historadiography and radioactive tracer (45Ca).
J Nihon Univ Sch Dent 15:52-7, Jun 73
ANIMAL EXPERIMENTS/ CALCIFICATION,
PHYSIOLOGIC/ CALCIUM RADIOISOTOPES/
*DENTAL ENAMEL, growth & development/
FISHES/ METHODS/ MICRORADIOGRAPHY/
RADIOISOTOPE SCANNING
1767. Inselman-Temkin BR, Flynn JP: Sex-dependent effects of gonadal and gonadotropic hormones on centrally-elicited attack in cats.
Brain Res 60:393-410, 12 Oct 73
*AGGRESSION/ ANIMAL EXPERIMENTS/
CASTRATION/ CATS/ ELECTRIC
STIMULATION/ ESTROGENS,
pharmacodynamics/ ESTROGENS, physiology/
FEMALE/ FSH, pharmacodynamics/ FSH,
physiology/ *GONADOTROPINS, PITUITARY,
physiology/ HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, physiology/ LH,
pharmacodynamics/ LH, physiology/ MALE/
OPTIC LOBE, drug effects/ *OPTIC LOBE,
physiology/ *OVARY, physiology/ SEX
FACTORS/ *SEX HORMONES, physiology/
*TESTIS, physiology/ TESTOSTERONE,
pharmacodynamics/ TESTOSTERONE,
physiology
1768. Iorio RJ, Wyandt HE: Quinacrine studies of sex chromatin and nucleoli in human brain.
Humangenetik 20:329-33, 20 Dec 73
ADULT/ AGED/ *BRAIN, cytology/ CELL
DIVISION/ *CELL NUCLEOLUS/ CEREBRAL
CORTEX, cytology/ FEMALE/
FLUORESCENCE/ HUMAN/ MALE/ MIDDLE
AGE/ NEURONS, cytology/ *QUINACRINE,
diagnostic use/ *SEX CHROMATIN
1769. Ireland MP: Studies on the adaptation of *Xenopus laevis* to hyperosmotic media.
Comp Biochem Physiol [A] 46:469-76, 1 Nov 73
*ACCLIMATIZATION/ ANIMAL
EXPERIMENTS/ CALCIUM, blood/
CHLORIDES, blood/ CHLORIDES, urine/
FEMALE/ HYPERTONIC SOLUTIONS/
MAGNESIUM, blood/ MALE/ PITUITARY
GLAND, cytology/ POTASSIUM, blood/
POTASSIUM, urine/ SKIN, cytology/ SODIUM,
blood/ SODIUM, urine/ UREA, blood/ UREA,
urine/ WATER, metabolism/ *XENOPUS,
physiology
1770. Irikki M, Simon E: Differential autonomic control of regional circulatory reflexes evoked by thermal stimulation and by hypoxia.
Aust J Exp Biol Med Sci 51:283-93, Jun 73
ANIMAL EXPERIMENTS/ *ANOXIA,
physiology/ BLOOD PRESSURE/ BODY
TEMPERATURE REGULATION/ COLD/ EAR,
EXTERNAL, innervation/ HEART, innervation/
HEART RATE/ HEAT/ HYPERCAPNIA,
physiology/ HYPOTHALAMUS,
physiology/ INTESTINES, innervation/
NEURONS, EFFERENT/ PHYSICAL
STIMULATION/ RABBITS/ *REFLEX/ SKIN,
innervation/ SKIN TEMPERATURE/ SPINAL
CORD, physiology/ STRESS,
physiology/ *TEMPERATURE/
*VASOMOTOR SYSTEM, physiology
1771. Irvine WJ, Fraser R, Toft AD, et al: Proceedings: A comparison of the effects of alpha 1-24 adrenocorticotrophin Zn (Tetracosactrin depot) and of substituted alpha 1-18 adrenocorticotrophin on adrenocortical function in normal subjects.
J Endocrinol 59:xxxix-xxx, Nov 73
*ADRENAL GLANDS, drug effects/
ALDOSTERONE, blood/ *CORTICOTROPIN,
pharmacodynamics/ HUMAN/
11-HYDROXYCORTICOSTEROIDS, blood/
MALE/ ZINC, pharmacodynamics
1772. Irvine WJ, Toft AD, Hunter WM, et al: An assessment of plasma TSH radioimmunoassay and of the TSH stimulation test in the diagnosis of 100 consecutive patients with suspected hypothyroidism.
Clin Endocrinol (Oxf) 2:135-9, Apr 73
COMPARATIVE STUDY/ EVALUATION
STUDIES/ HUMAN/ *HYPOTHYROIDISM,
diagnosis/ IODINE, metabolism/ IODINE
RADIOISOTOPES/ *RADIOIMMUNOASSAY/
THYROID GLAND, metabolism/ *THYROID
GLAND FUNCTION TESTS/ *THYROTROPIN,
blood
1773. Isaeva LA, Kartasheva VI: Sovremennye aspekty ucheniya o tak nazyvaemykh kollagenovykh zahlevaniyakh (ohzor literatury).
Vopr Okhr Materin Det 18:57-61, Nov 73 (50 ref.) (Rus)
ANTIBODY FORMATION/ ANTIGENS/
ANTI-INFLAMMATORY AGENTS, therapeutic
use/ ANTINEOPLASTIC AGENTS, therapeutic
use/ AUTOANTIBODIES/ AUTOIMMUNE
DISEASES/ *COLLAGEN DISEASES/
COLLAGEN DISEASES, drug therapy/
COLLAGEN DISEASES, etiology/ COLLAGEN
DISEASES, immunology/ GLUCOCORTICOIDS,
therapeutic use/ HUMAN/
IMMUNOGLOBULINS, analysis/ REVIEW/
RHEUMATOID FACTOR, analysis
1774. Isherwood DM, Oakley RE: Proceedings: Effect of protein hormones on the biosynthesis of dehydroepiandrosterone sulphate by human foetal adrenal tissue in vitro.
J Endocrinol 59:xxxiv-xxxv, Nov 73
*ADRENAL GLANDS, metabolism/
CORTICOTROPIN, pharmacodynamics/
*DEHYDROEPIANDROSTERONE, biosynthesis/
*FETUS, metabolism/ GONADOTROPINS,
CHORIONIC, pharmacodynamics/ HUMAN/ IN
VITRO/ PLACENTAL LACTOGEN,
pharmacodynamics/ SOMATOTROPIN,
pharmacodynamics/ TRITIUM
1775. Ishihara S, Tamaya T, Shibata M, et al: [Progesterone receptor in the uterus of rabbits and rats]
Folia Endocrinol Jap 49:1254-60, Oct 73 (Jap)
ANIMAL EXPERIMENTS/ BINDING,
COMPETITIVE/ CENTRIFUGATION, DENSITY
GRADIENT/ CYTOSOL/ ENGLISH
ABSTRACT/ ESTROGENS, pharmacodynamics/
FEMALE/ IN VITRO/ *PROGESTATIONAL
HORMONES, metabolism/ RABBITS/ RATS/
*RECEPTORS, HORMONE/ TRITIUM/
*UTERUS, metabolism
1776. Ishii Y: [Cardiac output and total serum volume--the standard value and changes in various diseases]
Jap Circ J 37:989-97, Aug 73 (Jap)
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ ANEMIA, HYPOCHROMIC,
physiology/ *BLOOD VOLUME/ BODY
SURFACE AREA/ BODY WEIGHT/ *CARDIAC
OUTPUT/ CHILD/ CHILD, PRESCHOOL/
ENGLISH ABSTRACT/ FEMALE/ HEART
VALVE DISEASES, physiology/ HUMAN/
*HYPERALDOSTERONISM, physiology/
HYPERTENSION, physiology/
HYPERTHYROIDISM, physiology/
INFANT/ MALE/ MIDDLE AGE/ MITRAL

AUTHOR SECTION

- VALVE/ SERUM ALBUMIN,
RADIO-IODINATED
1777. Ishikawa H, Nagayama T, Nizuma K: The mechanism of the stimulation of LH production by synthetic LH-releasing hormone (LH-RH) in tissue culture. *Biochem Biophys Res Commun* 55:492-8, 16 Nov 73
ADULT/ CELLS, CULTURED/
CYCLOHEXIMIDE, pharmacodynamics/
DACTINOMYCIN, pharmacodynamics/
FEMALE/ HUMAN/ HYDROXYUREA,
pharmacodynamics/ IN VITRO/ *LH,
biosynthesis/ LH, secretion/ *LH-FSH
RELEASING HORMONE, pharmacodynamics/
PITUITARY GLAND, drug effects/
*PITUITARY GLAND, metabolism/
PITUITARY GLAND, secretion/ RNA,
MESSENGER, biosynthesis/ TIME FACTORS
1778. Islam N, Islam A: Testosterone propionate in cirrhosis of the liver. *Br J Clin Pract* 27:125-8, Apr 73
ASCITES, drug therapy/ CLINICAL
RESEARCH/ *LIVER CIRRHOSIS, drug
therapy/ LIVER REGENERATION/ MALE/
SERUM ALBUMIN/ TESTOSTERONE,
administration & dosage/ *TESTOSTERONE,
therapeutic use
1779. Iso T: Effects of cyclic 3',5'-AMP and related compounds on catecholamine-induced contraction of isolated guinea-pig vas deferens. *Jap J Pharmacol* 23:717-21, Oct 73
ACETYLCHOLINE, antagonists & inhibitors/
ADENOSINE, pharmacodynamics/ *ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
*CATECHOLAMINES, pharmacodynamics/
DRUG SYNERGISM/ EPINEPHRINE,
pharmacodynamics/ GUINEA PIGS/ IN VITRO/
ISOPROTERENOL, pharmacodynamics/ MALE/
*MUSCLE CONTRACTION, drug effects/
NOREPINEPHRINE, pharmacodynamics/
RECEPTORS, ADRENERGIC, drug effects/
THEOPHYLLINE, pharmacodynamics/ VAS
DEFERENS, physiology
1780. Isurugi K: [LH-RH test in urologic diseases: significance of LH-RH test in the field of urology] *Clin Endocrinol (Tokyo)* 21:921-4, Sep 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ FSH, blood/
HUMAN/ *HYPOGONADISM, physiopathology/
LH, blood/ *LH-FSH RELEASING HORMONE,
diagnostic use/ MALE/ MIDDLE AGE/
RADIOIMMUNOASSAY
1781. Itze L, Arendarčík J: The detection of LH activity in sheep urine by radioimmunoassay. *Endocrinol Exp (Bratisl)* 7:307-14, 1973
ANIMAL EXPERIMENTS/ BUFFERS/ GEL
DIFFUSION TESTS/ HYDROGEN-ION
CONCENTRATION/ LH, blood/ *LH, urine/
ORGAN WEIGHT/ RADIOIMMUNOASSAY/
SHEEP
1782. Iukhbidova ZhM, Shkilar AS, Sergeev VV: O primenenii kortikosteroidnykh gormonov v suppozitoriiakh dlia lechenia nekotorykh zaholevanií anorektal'noí oblasti. *Sov Med* 36:100-4, Sep 73 (Rus)
ADMINISTRATION, TOPICAL/ *ADRENAL
CORTEX HORMONES,
administration & dosage/ ENGLISH
ABSTRACT/ *FISSURE IN ANO,
drug therapy/ *HEMORRHOIDS, drug therapy/
HUMAN/ SUPPOSITORIES
1783. Iunusov AIu, Makhmudov ES, Islamgalieva FM: Povyshenie ustoičivosti krysa k vysokoi temperature pod vlianiem tepovoi trenirovki i lekarstvennykh preparatov. *Kosm Biol Med* 7:21-5, Jan-Feb 73 (Rus)
*ACCLIMATIZATION/ ACCLIMATIZATION,
drug effects/ ADRENAL GLANDS/ ANIMAL
EXPERIMENTS/ *ASCORBIC ACID,
pharmacodynamics/ BODY TEMPERATURE/
BODY WEIGHT/ ENGLISH ABSTRACT/
GLYCERYLIZATE/ *HEAT/ ORGAN WEIGHT/
POTASSIUM, blood/ POTASSIUM, urine/
*POTASSIUM CHLORIDE, pharmacodynamics/
RATS/ SODIUM, blood/ SODIUM, urine/
*SUCCINATES, pharmacodynamics
1784. Iurchenko NF: Vnutrivennaja gormono-khimioterapija bol'nykh s khronicheskim formami tuherkuleza legkikh. *Vrach Delo* 8:12-3, Aug 73 (Rus)
*ANTITUBERCULAR AGENTS, administration
& dosage/ ANTITUBERCULAR AGENTS,
therapeutic use/ HUMAN/
*HYDROCORTISONE, administration & dosage/
HYDROCORTISONE, therapeutic use/
INJECTIONS, INTRAVENOUS/
*TUBERCULOSIS, PULMONARY, drug therapy
1785. Iurenev PN, Semenovich NI, Chuchalin AG: Astmaticheskoe sostojanie pri bronkhialnoi astme i ego lechenie. *Ter Arkh* 45:31-40, 1973 (Rus)
*ADRENAL CORTEX HORMONES, therapeutic
use/ ANOXIA, drug therapy/ ANOXIA,
etiology/ ANOXIA, therapy/ *ASTHMA,
complications/ ASTHMA, drug therapy/
*ASTHMA, therapy/ BRONCHIAL SPASM,
etiology/ ENGLISH ABSTRACT/ HUMAN/
PREDNISOLONE, therapeutic use/
RESUSCITATION
1786. Iurkov IuA, Bakanov MI: Sovremennoe sostojanie issledovanij funktsii kory nadpochechnikov u detej. *Pediatrila* 52:72-9, Apr 73 (135 ref.) (Rus)
ADRENAL GLANDS, embryology/ ADRENAL
GLANDS, metabolism/ ADRENAL GLANDS,
physiology/ ADRENAL GLANDS,
physiopathology/ ANEMIA, physiopathology/
CHILD/ CHROMATOGRAPHY, THIN LAYER/
FETUS, physiology/ GLUCOCORTICIDS,
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HUMAN/ 17-HYDROXYCORTICOSTEROIDS,
blood/ 17-HYDROXYCORTICOSTEROIDS,
secretion/ INFANT, NEWBORN/ INFANT,
NEWBORN, DISEASES, physiopathology/
INFANT, PREMATURE/ 17-KETOSTEROIDS,
urine/ MATERNAL-FETAL EXCHANGE/
*PITUITARY-ADRENAL FUNCTION TESTS/
PREGNANCY/ REVIEW
1787. Ivanov II: Nekotorye aktual'nye problemy évolutsionnoi blokhimii myshts. *Zh Evol Blokhim Fiziol* 8:252-9, May-Jun 73 (41 ref.) (Rus)
ADENOSINE TRIPHOSPHATASE, metabolism/
ADENOSINE TRIPHOSPHATE/ ANIMAL
EXPERIMENTS/ CALCIUM, metabolism/
ENGLISH ABSTRACT/ *EVOLUTION/
GLYCERIN/ INSECTS/ MOLLUSCA/ *MUSCLE
CONTRACTION/ MUSCLE PROTEINS/
MUSCLE, SMOOTH, metabolism/ MUSCLE
TONUS/ MUSCLES, enzymology/ MUSCLES,
metabolism/ MYOFIBRILS/ MYOSIN/
REVIEW/ TROPOMYOSIN/ WING
1788. Ivanova II, Lapshina VF, Snegireva ME: Kompensatornaja giperprofilia nadpochechnika pri narushenii funktsii podzheludochno. *Blot Nauki* 120:37-40, 1973 (Rus)
ADRENAL GLANDS, metabolism/ *ADRENAL
GLANDS, physiopathology/
ADRENALECTOMY/ ALLOXAN DIABETES,
metabolism/ *ALLOXAN DIABETES,
physiopathology/ ANIMAL EXPERIMENTS/
ASCORBIC ACID, metabolism/ FEMALE/
HYPERTROPHY, etiology/ MALE/ MICE/
RATS
1789. Iványi D: Interstrain differences in number, size and morphology of vesicular gland cell nucleoli in intact, castrated and testosterone-treated mice. *J Endocrinol* 59:421-8, Dec 73
ANIMAL EXPERIMENTS/ BIOMETRY/
CASTRATION/ *CELL NUCLEUS/ CELL
NUCLEUS, metabolism/ MALE/ MICE/ *MICE,
INBRED A/ *MICE, INBRED C57BL/ RNA,
RIBOSOMAL, biosynthesis/ *SEMINAL
VESICLES, cytology/ TESTOSTERONE,
pharmacodynamics
1790. Iversen J: Cystis ovarii per magna. *Ugeskr Laeger* 135:1439, 2 Jul 73 (Dan)
CASE REPORT/ *CYSTADENOMA,
MUCINOUS/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ MIDDLE AGE/ *OVARIAN CYSTS
1791. Ivey KJ, Clifton JA: Back diffusion of hydrogen ions

AUTHOR SECTION

- across gastric mucosa of patients with gastric ulcer and rheumatoid arthritis. *Br Med J* 1:16-9, 5 Jan 74
- ADULT/ ARTHRITIS, RHEUMATOID, complications/ *ARTHRITIS, RHEUMATOID, metabolism/ ASPIRIN, therapeutic use/ BIOLOGICAL TRANSPORT, ACTIVE/ CELL MEMBRANE PERMEABILITY/ CHLORIDES, metabolism/ DIFFUSION/ FEMALE/ *GASTRIC MUCOSA, metabolism/ HUMAN/ *HYDROGEN, metabolism/ HYDROGEN-ION CONCENTRATION/ INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ POTASSIUM, metabolism/ PREDNISONE, therapeutic use/ SODIUM, metabolism/ STOMACH ULCER, etiology/ *STOMACH ULCER, metabolism/ WOUND HEALING**
1792. Iwakura M: [The mechanism of bone calcification--around the calcium transport of the hard tissue forming cells (author's transl)] *Protein Nucleic Acid Enzyme* (Tokyo) 18:1012-7, Nov 73 (45 ref.) (Jap)
- ALKALINE PHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BONE AND BONES, metabolism/ BONE DEVELOPMENT/ *CALCIFICATION, PHYSIOLOGIC/ *CALCIUM, metabolism/ CARTILAGE, metabolism/ DENTAL ENAMEL, metabolism/ HUMAN/ PHOSPHORIC ACIDS, metabolism/ REVIEW**
1793. Iwamoto ET, Ho IK, Way EL: Elevation of brain dopamine during naloxone-precipitated withdrawal in morphine-dependent mice and rats. *J Pharmacol Exp Ther* 187:588-67, Dec 73
- ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *BRAIN, metabolism/ BRAIN STEM, metabolism/ CEREBELLUM, metabolism/ CORPUS STRIATUM, metabolism/ *DOPAMINE, metabolism/ DRUG WITHDRAWAL SYMPTOMS, chemically induced/ *DRUG WITHDRAWAL SYMPTOMS, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ MICE/ *MORPHINE ADDICTION, metabolism/ *NALOXONE/ NOREPINEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ PLACEBOS/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ STEREOTYPED BEHAVIOR, drug effects/ TIME FACTORS/ TUBOCURARINE, pharmacodynamics**
1794. Iwanow E, Hiebarowa M, Krustev L, et al: Biochemische und histomorphologische Veränderungen bei der experimentell durch Hexachlorbenzol hervorgerufenen Porphyrie. *Acta Hepatogastroenterol* (Stuttg) 20:39-48, Jan-Feb 73 (Ger)
- ACID PHOSPHATASE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ AMINOTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ *CHLOROBENZENES/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ LACTATE DEHYDROGENASE, metabolism/ LIPASE, metabolism/ *LIVER, enzymology/ LIVER, metabolism/ MALE/ NAD, metabolism/ PORPHYRIA, chemically induced/ PORPHYRIA, enzymology/ PORPHYRIA, metabolism/ *PORPHYRIA, pathology/ RATS**
1795. Iwaszkiewicz-Bilkiewicz: Keratoglobus acutus u 17-letniej chorej z niedorozwojem umysłowym. *Klin Oczna* 43:1357-9, Dec 73 (Pol)
- ACUTE DISEASE/ ADOLESCENCE/ CORNEA, abnormalities/ CORTISONE, therapeutic use/ *EYE DISEASES, complications/ EYE DISEASES, drug therapy/ FEMALE/ HUMAN/ *IDIOTCY, complications/ REMISSION**
1796. Iwatsuki N, Iwatsuki K: Negative inotropic effect of cyclic AMP on the isolated canine heart muscle. *Toboku J Exp Med* 110:409-10, Aug 73
- *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION,**
- CHEMICAL/ DOGS/ *HEART, drug effects/ IN VITRO**
1797. Izashvili NP, Kasabian EV: Ohmen vitamina B6, ilmonnoi i shchavevof kislot, kal'tsila i magnila u hol'nykh nefrolitiazom. *Urol Nefrol* (Mosk) 38:9-13, May-Jun 73 (Rus)
- *CALCIUM, metabolism/ *CITRATES, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY CALCULI, etiology/ KIDNEY FUNCTION TESTS/ *MAGNESIUM, metabolism/ *OXALATES, metabolism/ *PYRIDOXINE, metabolism**
1798. Izawa M, Ichii S: RNA turnover in hound and free ribosomes from rat liver. Effects of cortisol, actinomycin D, and cycloheximide. *J Biochem* (Tokyo) 74:623-6, Sep 73
- ANIMAL EXPERIMENTS/ *CYCLOHEXIMIDE, pharmacodynamics/ *DACTINOMYCIN, pharmacodynamics/ HALF-LIFE/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, metabolism/ OROTIC ACID, metabolism/ RATS/ *RNA, RIBOSOMAL, metabolism/ TRITIUM**
1799. Izquierdo JA, Baratti CM, Torrello M, et al: Effects of food deprivation, discrimination experience and physostigmine on choline acetylase and acetylcholine esterase in the dorsal hippocampus and frontal cortex of rats. *Psychopharmacologia* 33:103-10, 23 Oct 73
- *ACETYLCHOLINESTERASE, metabolism/ *ACETYLTRANSFERASES, metabolism/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ *CEREBRAL CORTEX, enzymology/ CHOLINE/ *DISCRIMINATION LEARNING/ EPINEPHRINE, metabolism/ *FOOD DEPRIVATION/ FRONTAL LOBE, enzymology/ *HIPPOCAMPUS, enzymology/ MALE/ *PHYSOSTIGMINE, pharmacodynamics/ RATS**
- J**
1800. Jacks F, Setchell BP: A technique for studying the transfer of substances from venous to arterial blood in the spermatic cord of wallabies and rams. *J Physiol* (Lond) 233:17P-18P, Aug 73
- ANIMAL EXPERIMENTS/ ARTERIES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ CATHETERIZATION, instrumentation/ MALE/ *MARSUPIALIA, physiology/ PROSTAGLANDINS, metabolism/ *SHEEP, physiology/ *SPERMATIC CORD, blood supply/ TESTOSTERONE, metabolism/ VEINS, metabolism**
1801. Jackson BT: The lumbar lymphatics: a lymphographic study. *Ann R Coll Surg Engl* 54:3-15, Jan 74
- ADOLESCENCE/ ADULT/ AGED/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ CONTRAST MEDIA/ FOOT/ HODGKIN'S DISEASE, radiography/ HUMAN/ *LUMBOSACRAL REGION/ LYMPH NODES, radiography/ LYMPHATIC METASTASIS/ LYMPHEDEMA, radiography/ *LYMPHOGRAPHY/ LYMPHOMA, radiography/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, radiography/ TESTICULAR NEOPLASMS, radiography/ UROGRAPHY**
1802. Jackson DM: Altbessin in Africa. *Anaesthesia* 28:688-95, Nov 73
- ADOLESCENCE/ ADULT/ AIRWAY OBSTRUCTION, chemically induced/ *ANESTHESIA, GENERAL/ *ANESTHETICS/ ANESTHETICS, adverse effects/ BODY HEIGHT/ BODY SURFACE AREA/ BODY WEIGHT/ CHILD, PRESCHOOL/ COGNITION DISORDERS, chemically induced/ DRUG COMBINATIONS/ HUMAN/ HYDROXYSTERIODS/ HYDROXYSTERIODS, adverse effects/ LARYNX, physiology/ MIDDLE AGE/ *PREGNANEDIONES/ PREGNANEDIONES, adverse effects/ REFLEX, drug effects/ RESPIRATION, drug effects/ SALIVATION/ SPIROMETRY/ UGANDA**
1803. Jackson GL: Treatment of hyperthyroidism in pregnancy. *Pa Med* 76:56-7, Dec 73

AUTHOR SECTION

- ADULT/ FEMALE/ GESTATIONAL AGE/
HUMAN/ *HYPERTHYROIDISM, drug therapy/
PREGNANCY/ *PREGNANCY
COMPLICATIONS, drug therapy/
PROPRANOLOL, administration & dosage/
*PROPRANOLOL, therapeutic use/
THYROXINE, blood
1804. Jackson RL, Gotto AM Jr: Phospholipids in biology and medicine (first of two parts).
N Engl J Med 290:24-9, 3 Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ AMINO ACID SEQUENCE/
ANIMAL EXPERIMENTS/ CELL MEMBRANE PERMEABILITY/ CEPHALINS, metabolism/ CHEMISTRY/ CHEMISTRY, PHYSICAL/ HUMAN/ LECITHINS, metabolism/ MEMBRANES, analysis/ MEMBRANES, enzymology/ MEMBRANES, metabolism/ MEMBRANES, physiology/ MODELS, CHEMICAL/ PHOSPHOLIPIDS, metabolism/ *PHOSPHOLIPIDS/ PHOSPHOLIPIDS, analysis/ PHOSPHOLIPIDS, metabolism/ PHOSPHOLIPIDS, physiology/ POLYMORPHISM (GENETICS)/ POTASSIUM, metabolism/ PROTEIN CONFORMATION/ PROTEINS, analysis/ SODIUM, metabolism/ SPHINGOMYELINS, metabolism/ TEMPERATURE
1805. Jacobs C, Aubert P, Legrain M: Les complications cardio-vasculaires de l'urémie dépassée.
Ann Cardiol Angelol (Paris) 22:401-8, Oct 73 (Fre)
ANGINA PECTORIS, etiology/
*CARDIOVASCULAR DISEASES, etiology/
CEREBROVASCULAR DISORDERS, etiology/
ENGLISH ABSTRACT/ HEART ARREST, etiology/ HEART FAILURE, CONGESTIVE, etiology/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERTENSION, etiology/ KIDNEY, transplantation/ MYOCARDIAL INFARCT, etiology/ PERICARDITIS, etiology/
TRANSPLANTATION, HOMOLOGOUS/
UREMIA, complications/ *UREMIA, therapy
1806. Jacobs JJ, Kendall JW Jr, Greer MA: Uterine concentration of thyroxine during the estrous cycle.
Proc Soc Exp Biol Med 144:160-3, 1 Oct 73
ANIMAL EXPERIMENTS/ *ESTRUS/ FEMALE/ IODINE RADIOISOTOPES/ ORGAN WEIGHT/ RATS/ *THYROXINE, metabolism/ TIME FACTORS/ UTERUS, anatomy & histology/ *UTERUS, metabolism
1807. Jacobs MM, Ward DN, Griffin AC: A systematic analysis of the hCG augmentation assay for follicle stimulating hormone.
Proc Soc Exp Biol Med 144:106-9, 1 Oct 73
ANIMAL EXPERIMENTS/ *BIOLOGICAL ASSAY/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ FSH, administration & dosage/ *FSH, analysis/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVARY, drug effects/ RATS/ SERUM ALBUMIN, BOVINE/ SHEEP
1808. Jacobsen N, From SH: Mucous and serous components of the submandibular and sublingual glands of Macaca lrus and Cercopithecus aethiops.
Acta Histochem (Jena) 45:281-7, 1973
ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ HERMAPHRODITISM, veterinary/ *MACACA, anatomy & histology/ *MONKEYS, anatomy & histology/ SEX FACTORS/ STAINS AND STAINING/ SUBLINGUAL GLAND, analysis/ *SUBLINGUAL GLAND, cytology/ SUBMANDIBULAR GLAND, analysis/ *SUBMANDIBULAR GLAND, cytology
1809. Jacquillat C, Weil M, Gemon MF, et al: Combination therapy in 130 patients with acute lymphoblastic leukemia (protocol 08 LA 66-Paris).
Cancer Res 33:3278-84, Dec 73
AGE/ ADULT/ AGE FACTORS/
- AGED/ CENTRAL NERVOUS SYSTEM DISEASES, etiology/ CHILD/ CHILD, PRESCHOOL/ DAUNOMYCIN, administration & dosage/ DAUNOMYCIN, adverse effects/ *DAUNOMYCIN, therapeutic use/ DRUG THERAPY, COMBINATION/ EVALUATION STUDIES/ FEMALE/ HEART, drug effects/ HEART DISEASES, chemically induced/ HUMAN/ INFANT/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ MENINGES/ *MERCAPTOPYRINE, therapeutic use/ *METHOTREXATE, therapeutic use/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ SEX FACTORS/ TIME FACTORS/ *VINCRISTINE, therapeutic use
1810. Jacyk W: Znaczenie cyklicznego 3' 5',-AMP w patologii niektórych schorzeń skóry.
Pol Tyg Lek 28:1650-3, 15 Oct 73 (27 ref.) (Pol)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ CELL MEMBRANE, enzymology/ HISTONES/ HUMAN/ PHOSPHODIESTERASES, metabolism/ PHOSPHOTRANSFERASES, metabolism/ RECEPTORS, HORMONE/ REVIEW/ RNA, biosynthesis/ SKIN, enzymology/ *SKIN DISEASES, enzymology/ SKIN DISEASES, metabolism
1811. Jaeger RJ, Murphy SD: Alterations of barbiturate action following 1,1-dichloroethylene, corticosterone, or acrolein.
Arch Int Pharmacodyn Ther 205:281-92, Oct 73
ACROLEIN, pharmacodynamics/ *ALDEHYDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BARBITURATES, pharmacodynamics/ BRAIN CHEMISTRY, drug effects/ CORTICOSTERONE, blood/ *CORTICOSTERONE, pharmacodynamics/ DRUG INTERACTIONS/ EQUILIBRIUM, drug effects/ ETHYLENE, pharmacodynamics/ HEXOBARBITAL, analysis/ HEXOBARBITAL, blood/ HEXOBARBITAL, pharmacodynamics/ *HYDROCARBONS, CHLORINATED, pharmacodynamics/ MALE/ MOTOR ACTIVITY, drug effects/ PENTOBARBITAL, analysis/ PENTOBARBITAL, blood/ PENTOBARBITAL, pharmacodynamics/ RATS/ SLEEP, drug effects/ TIME FACTORS
1812. Jahss MH: Pseudotumors of the foot.
Orthop Clin North Am 5:87-87, Jan 74
ADULT/ BONE DISEASES, diagnosis/ BURSA, SYNOVIAL, pathology/ DIAGNOSIS, DIFFERENTIAL/ DRAINAGE/ FEMALE/ *FOOT DISEASES, diagnosis/ FOOT DISEASES, radiography/ FOOT DISEASES, surgery/ FOREIGN BODIES, complications/ GOUT, complications/ HUMAN/ MALE/ MUSCULAR DISEASES, diagnosis/ NECROSIS, diagnosis/ NEOPLASMS, diagnosis/ OSTEITIS DEFORMANS, diagnosis/ OSTEOCHONDRITIS, diagnosis/ OSTEOMYELITIS, diagnosis/ OSTEOPOROSIS, diagnosis/ PANNICULITIS, NODULAR NONSUPPURATIVE, diagnosis/ RHEUMATOID NODULE, diagnosis/ RUPTURE, complications/ SYNOVITIS, diagnosis/ TENDONS, injuries/ TUBERCULOSIS, OSTEOARTICULAR, diagnosis/ XANTHOMATOSIS, diagnosis
1813. Jain ML, Curtis B, Forbes J, et al: The effect of fat diet on reserpine-induced depression in mice.
Res Commun Chem Pathol Pharmacol 6:1091-4, Nov 73
ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY, drug effects/ BRAIN STEM, analysis/ DEPRESSION, chemically induced/ *DEPRESSION, drug therapy/ *DIETARY FATS, therapeutic use/ FASTING/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ MICE/ *RESERPINE, pharmacodynamics/ SEROTONIN, analysis
1814. Jakobsen A, Thorling EB: The effect of cyclic AMP on the erythropoiesis in mice(NMRI).
Acta Pathol Microbiol Scand [A] 81:229-32, May 73
ANIMAL EXPERIMENTS/ BONE MARROW,

AUTHOR SECTION

- metabolism/ DIBUTYRYL CYCLIC AMP, administration & dosage/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ IRON, metabolism/ IRON RADIOISOTOPES/ ISOTONIC SOLUTIONS/ MALE/ MICE/ MICE, INBRED STRAINS/ SEX FACTORS/ SPLEEN, metabolism/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics
1815. Jalowiec JE, Morgane PJ, Stern WC, et al: Effects of midbrain tegmental lesions on sleep and regional brain serotonin and norepinephrine levels in cats. *Exp Neurol* 41:670-82, Dec 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CATS/ CEREBELLUM, analysis/ CORPUS STRIATUM, analysis/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ FEMALE/ GENICULATE BODIES, physiology/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, analysis/ NOREPINEPHRINE, analysis/ *NOREPINEPHRINE, metabolism/ OCCIPITAL LOBE, analysis/ SEROTONIN, analysis/ *SEROTONIN, metabolism/ *SLEEP/ SLEEP, REM/ *TEGMENTUM MESENCEPHALI, physiology/ TEMPORAL LOBE, analysis/ WAKEFULNESS
1816. Jamieson CW: Advances in treatment of breast carcinoma. *Nurs Times* 69:1369-71, 18 Oct 73
ADRENALECTOMY/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MASTECTOMY
1817. Janerich DT: Letter: Twinning and oral contraceptives. *N Engl J Med* 290:346, 7 Feb 74
*CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ PREGNANCY, drug effects/ PREGNANCY, MULTIPLE/ STATISTICS/ *TWINS
1818. Janković BD, Marković BM, Petrović S, et al: Experimental autoimmune oophoritis in the rat. *Eur J Immunol* 3:375-7, Jun 73
ANTIBODIES, analysis/ ANTIGENS/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES/ ERYTHROCYTES, immunology/ FREUND'S ADJUVANT/ HYPERSENSITIVITY, DELAYED, immunology/ IMMUNIZATION/ *OOPHORITIS, immunology/ ORGAN SPECIFICITY/ OVARY, immunology/ SKIN TESTS/ TISSUE EXTRACTS
1819. Januszewicz W, Wociał B: Katecholamina a aktywność reninowa osocza w nadciśnieniu naczyniowo-nerkowym. *Kardiologia Polska* 16:279-88, 1973 (Pol)
ADOLESCENCE/ ADULT/ CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL/ HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, enzymology/ HYPERTENSION, RENAL, urine/ MALE/ MIDDLE AGE/ RENAL VEINS/ *RENIN, blood
1820. Jarett L, Smith RM: Mode of action of N6-O2'-dibutyl cyclic 3',5' AMP on fat cell metabolism. *Diabetes* 23:29-40, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, PAPER/ DIBUTYRYL CYCLIC AMP/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPIDIDYMIS/ IN VITRO/ LIPID MOBILIZATION/ PHOSPHODIESTERASES, metabolism/ RATS
1821. Jarsumbeck B, Wendelin T, Hubl W: Die Bestimmung der 3-Methoxy-4-hydroxymandelsäure (Vanillinmandelsäure) im Harn nach dünnsschichtchromatographischer Trennung. *Z Med Labortech* 14:259-68, 1973 (Ger)
CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ NEUROBLASTOMA, urine/ PHEOCHROMOCYTOMA, urine/ PHOTOMETRY/ *VANILMANDELIC ACID, urine
1822. Javadvpour N: Immunologic features of genitourinary cancer. *Urology* 2:103-8, Aug 73 (49 ref.)
ADENOCARCINOMA, immunology/ ALPHA GLOBULIN/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTIGENS, NEOPLASM/ BCG VACCINATION/ BLADDER NEOPLASMS, immunology/ CARCINOEMBRYONIC ANTIGEN, isolation & purification/ CARCINOMA, TRANSITIONAL CELL, immunology/ CHORIOCARCINOMA, immunology/ COLONIC NEOPLASMS, immunology/ DISGERMINOMA, immunology/ FEMALE/ FETAL GLOBULINS/ HAMSTERS/ HUMAN/ IMMUNOTHERAPY/ KIDNEY NEOPLASMS, immunology/ MALE/ MICE/ NEUROBLASTOMA, immunology/ PROSTATIC NEOPLASMS, immunology/ REVIEW/ TESTICULAR NEOPLASMS, immunology/ *UROGENITAL NEOPLASMS, immunology
1823. Jayaraman VD, Neiman BH, Schreiber RD: Autotransplantation of splenic tissue. Report of a case. *Ill Med J* 141:556-8, Jun 73
ADULT/ DIAGNOSIS, DIFFERENTIAL/ *ENDOMETRIOSIS, diagnosis/ FEMALE/ HUMAN/ *OVARIAN CYSTS, diagnosis/ OVARY, pathology/ SPLEEN, injuries/ *SPLEEN, pathology
1824. Jeffcoate SL, Fraser HM, Gunn A, et al: Proceedings: Radioimmunoassay of luteinizing hormone releasing hormone in blood and urine. *J Endocrinol* 59:xii, Nov 73
ANIMAL EXPERIMENTS/ CATTLE, immunology/ HYPOTHALAMUS, analysis/ *LH-FSH RELEASING HORMONE, analysis/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SHEEP
1825. Jeffcoate SL, White N: Use of benzamidine to prevent the destruction of thyrotropin-releasing hormone (TRH) by blood. *J Clin Endocrinol Metab* 38:155-7, Jan 74
AMIDINES, administration & dosage/ *AMIDINES, pharmacodynamics/ BENZENE DERIVATIVES, administration & dosage/ BENZENE DERIVATIVES, pharmacodynamics/ *BLOOD/ HUMAN/ IODINE RADIOISOTOPES/ RADIOIMMUNOASSAY/ *THYROTROPIN RELEASING HORMONE, blood/ TIME FACTORS
1826. Jeffery JR, Guttman RD, Becklake MR, et al: Recovery from severe cytomegalovirus pneumonia in a renal transplant patient. *Am Rev Respir Dis* 109:129-33, Jan 74
ADULT/ ANOXEMIA, etiology/ AZATHIOPRINE, adverse effects/ CASE REPORT/ COMPLEMENT FIXATION TESTS/ CYCLOPHOSPHAMIDE, adverse effects/ CYTOMEGALIC INCLUSION DISEASE, diagnosis/ *CYTOMEGALIC INCLUSION DISEASE, etiology/ CYTOMEGALIC INCLUSION DISEASE, radiography/ FOLLOW-UP STUDIES/ HUMAN/ *IMMUNOSUPPRESSION, adverse effects/ *KIDNEY, transplantation/ KIDNEY FUNCTION TESTS/ LEUKOCYTE COUNT/ MALE/ *PNEUMONIA, etiology/ PNEUMONIA, radiography/ PREDNISONE, adverse effects/ TRANSPLANTATION, HOMOLOGOUS
1827. Jendricke K, Rager K, Schäfer E, et al: Vorläufige Ergebnisse klinischer, biochemischer und anatomischer Untersuchungen bei Malescens testis. *Monatsschr Kinderheilkd* 121:634-5, Oct 73 (Ger)
AGE FACTORS/ ANDROSTERONE, urine/ CELL COUNT/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, drug therapy/ DEHYDROEPIANDROSTERONE, urine/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/

AUTHOR SECTION

- GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
CHORIONIC, therapeutic use/ HUMAN/
INFANT/ MALE/ SPERMATOGENESIS, drug
effects/ SPERMATOZOA, analysis/
TESTOSTERONE, urine
1828. Jenkins DM, Lew VL: Proceedings: Ca uptake by
ATP-depleted red cells from different species with
and without associated increase in K permeability.
J Physiol (Lond) 234:41P-42P, Oct 73
*ADENOSINE TRIPHOSPHATE, blood/
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT, ACTIVE/ *CALCIUM,
metabolism/ CATTLE/ CELL MEMBRANE
PERMEABILITY/ *ERYTHROCYTES,
metabolism/ GOATS/ GUINEA PIGS/ HUMAN/
*POTASSIUM, metabolism/ RATS/ RODENTS/
SHEEP
1829. Jenkins JS, Ash S: The metabolism of testosterone by
human skin in disorders of hair growth.
J Endocrinol 59:345-51, Nov 73
ADULT/ ANDROSTENEDIONE, metabolism/
ANDROSTERONE, metabolism/
CHROMATOGRAPHY/ FEMALE/ *HAIR/
HIRSUTISM, metabolism/ HUMAN/ MALE/
OVARIAN CYSTS, metabolism/ *SKIN,
metabolism/ *SKIN APPENDAGE DISEASES,
metabolism/ TESTICULAR FEMINIZATION,
metabolism/ *TESTOSTERONE, metabolism
1830. Jenkins T, Wilton E, Bernstein R, et al: The genetic
counselling clinic at a children's hospital.
S Afr Med J 47:1834-8, 13 Oct 73
ABNORMALITIES, prevention & control/
ADOLESCENCE/ AMNIOCENTESIS/ CHILD/
CHROMOSOME ABNORMALITIES, diagnosis/
FEMALE/ GENES/ GENES, DOMINANT/
GENES, RECESSIVE/ *GENETIC
COUNSELING/ HEMOPHILIA, diagnosis/
HEREDITARY DISEASES, diagnosis/
*HEREDITARY DISEASES, prevention &
control/ *HOSPITAL OUTPATIENT CLINICS/
HOSPITALS, SPECIAL/ HUMAN/ INFANT,
NEWBORN/ KARYOTYPING/ LINKAGE
(GENETICS)/ MALE/ PEDIATRICS/
PREGNANCY/ PRENATAL DIAGNOSIS/ SEX
CHROMOSOMES/ SOUTH AFRICA
1831. Jenkins WM, Thomas HC, Mason DK: Oral infections
with Candida albicans. Scott Med J 18:192-200, Nov 73
AMPHOTERICIN B, therapeutic use/ BIOPSY/
*CANDIDA ALBICANS/ CANDIDA ALBICANS,
isolation & purification/ CHELITIS,
complications/ DIABETES MELLITUS,
complications/ ENDOCRINE DISEASES,
complications/ FLUORESCENT ANTIBODY
TECHNIC/ HUMAN/ IMMUNITY, CELLULAR/
IMMUNOLOGIC DEFICIENCY SYNDROMES,
complications/ LEUKOPLAKIA, ORAL,
complications/ METABOLIC DISEASES,
complications/ MONILIASIS, ORAL, chemically
induced/ MONILIASIS, ORAL, diagnosis/
*MONILIASIS, ORAL, etiology/ MONILIASIS,
ORAL, pathology/ NUTRITION DISORDERS,
complications/ NYSTATIN, therapeutic use/
SJOJREN'S SYNDROME, complications/
STOMATITIS, DENTURE, complications
1832. Jenner GG: Prescriptions in general practice.
NZ Med J 79:298-9, 10 Oct 73
ANTIBIOTICS, therapeutic use/
BARBITURATES, therapeutic use/ COSTS
AND COST ANALYSIS/ CYCLIC S-OXIDES,
therapeutic use/ CYCLOPENTANE, therapeutic
use/ DIGOXIN, therapeutic use/ *DIURETICS,
THIAZIDE, therapeutic use/ EXPECTORANTS,
therapeutic use/ GENERAL PRACTICE/
GLUCOCORTICOIDS, TOPICAL, therapeutic
use/ HUMAN/ NEW ZEALAND/
NITRAZEPAM, therapeutic use/
*PRESCRIPTIONS/ PROCHLORPERAZINE,
therapeutic use/ URBAN POPULATION
1833. Jensen M, Shohet SB, Nathan DG: The role of red cell
energy metabolism in the generation of irreversibly
sickled cells in vitro. Blood 42:835-42, Dec 73
ADENOSINE/ ADENOSINE TRIPHOSPHATE,
metabolism/ *ANEMIA, SICKLE CELL, blood/
CALCIUM, metabolism/ CARBON DIOXIDE/
CELL MEMBRANE/ EDTA/ ENERGY
METABOLISM/ ERYTHROCYTES, analysis/
*ERYTHROCYTES, metabolism/
*ERYTHROCYTES, ABNORMAL, metabolism/
HEMATOCRIT/ HUMAN/ NITROGEN/
OXIDATION-REDUCTION/ PHOSPHOLIPIDS,
blood/ PHOSPHORUS, blood
1834. Jeppsson S, Johansson ED, Sjöberg NO: Plasma levels
of estrogens during long-term treatment with
depo-medroxyprogesterone acetate as a
contraceptive agent. Contraception 8:165-70, Aug 73
DELAYED-ACTION PREPARATIONS/
ESTRADIOL, blood/ ESTRONE, blood/
FEMALE/ GEL FILTRATION/ HUMAN/
INJECTIONS, INTRAMUSCULAR/
MEDROXYPROGESTERONE, administration &
dosage/ MEDROXYPROGESTERONE,
metabolism/ RADIOIMMUNOASSAY/ SPECIAL
LIST REPRODUCTION/ TIME FACTORS
1835. Jeppsson S, Kullander S, Rannevik G, et al: Letter:
Intranasal administration of synthetic
gonadotrophin-releasing hormone.
Br Med J 4:231, 27 Oct 73
ADMINISTRATION, INTRANASAL/
AMENORRHEA, drug therapy/ FEMALE/ FSH,
blood/ HUMAN/ INJECTIONS,
INTRAVENOUS/ LH, blood/ MALE/
*PITUITARY HORMONE RELEASING
HORMONES, administration & dosage
1836. Jequier AM, Vanthuyne C, Jacobs HS: Proceedings:
Gonadotrophin secretion in lactating women:
response to luteinizing hormone releasing
hormone-follicle-stimulating hormone releasing
hormone in the puerperium.
J Endocrinol 59:xiv, Nov 73
FEMALE/ *GONADOTROPINS, secretion/
HUMAN/ *LACTATION, drug effects/
*LH-FSH RELEASING HORMONE,
pharmacodynamics/ PREGNANCY/
RADIOIMMUNOASSAY
1837. Jiménez M, Rostenberg I, Manzano C, et al: Enanismo
distrófico: a propósito de un caso.
Rev Invest Clin 25:245-52, Jul-Sep 73 (Spa)
ACHONDROPLASIA/ CASE REPORT/ CHILD/
*DWARFISM/ ENGLISH ABSTRACT/ HUMAN/
MALE
1838. Jiménez Cardoso JM, Tommasi EA, Ramírez S, et al:
Estudio morfológico de gonadas de un caso de
pseudohermaphroditismo por testículo feminizante.
Rev Invest Clin 25:253-60, Jul-Sep 73 (Spa)
ADOLESCENCE/ ANIMAL EXPERIMENTS/
ENDOPLASMIC RETICULUM/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ *LEYDIG
CELLS, pathology/ MICROSCOPY, ELECTRON/
PSEUDOHERMAPHRODITISM, etiology/
*PSEUDOHERMAPHRODITISM, pathology/
*SERTOLI CELLS, pathology/ SPERMATIC
CORD, pathology/ TESTICULAR
FEMINIZATION, complications/ TESTICULAR
FEMINIZATION, pathology
1839. Jirásek JE: Histopatologie ovarálních nádorů z
Müllerova epitelu a jejich diferenciální diagnostika.
Cesk Gynkol 38:705-8, Nov 73 (Cze)
ADENOFIBROMA, pathology/
CYSTADENOCARCINOMA, pathology/
CYSTADENOMA, pathology/ CYSTADENOMA,
MUCINOUS, pathology/ DIAGNOSIS,
DIFFERENTIAL/ EPITHELIUM, pathology/
FEMALE/ HUMAN/ *OVARIAN NEOPLASMS,
pathology
1840. Jirásek JE: Parametonefrický epitel a jeho vztah k
povrchovému epitelu ovaria.
Cesk Gynkol 38:691-4, Nov 73 (Cze)
ADENOFIBROMA, etiology/ EPITHELIUM,
embryology/ FEMALE/ HUMAN/ *KIDNEY,
embryology/ OVARIAN NEOPLASMS, etiology/
*OVARY, embryology/ PREGNANCY
1841. Joachim M, Laverne G, Stevenaert A, et al: Intérêt du
diagnostic précoce des tumeurs hypophysaires.
Bull Soc Belge Ophtalmol 163:195-202, Feb 73 (Fre)
ADULT/ AGED/ DIABETES INSIPIDUS,

AUTHOR SECTION

- etiology/ FEMALE/ HUMAN/
HYPERPITUITARISM, etiology/
HYPOPITUITARISM, etiology/ MALE/
METHODS/ PITUITARY NEOPLASMS,
complications/ *PITUITARY NEOPLASMS,
diagnosis/ PITUITARY NEOPLASMS, surgery/
SPHENOID SINUS, surgery/ TIME FACTORS/
VISION DISORDERS, etiology/ VISUAL
FIELDS
1842. Jobke A, Peskar BA, Peskar BM: On the specificity of
antisera against prostaglandins A2 and E2.
FEBS Lett 37:192-8, 1 Dec 73
ANTIBODY SPECIFICITY/
ANTIGEN-ANTIBODY REACTIONS/ BINDING
SITES/ BINDING SITES, ANTIBODY/
CATTLE/ COMPLEMENT FIXATION TESTS/
GEL DIFFUSION TESTS/ *IMMUNE SERUMS/
MICROCHEMISTRY/ *PROSTAGLANDINS/
PROTEIN BINDING/ RABBITS, immunology/
RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ TRITIUM
1843. Joffe F: La pbléobgraphie surréallenne.
Ann Radiol (Paris) 16:581-96, Sep-Oct 73 (Fre)
*ADRENAL GLAND DISEASES, radiography/
*ADRENAL GLAND NEOPLASMS,
radiography/ *ADRENAL GLANDS,
radiography/ ENGLISH ABSTRACT/ HUMAN/
HYPERPLASIA/ *PHEOCHROMOCYTOMA,
radiography/ *PHLEBOGRAPHY
1844. Johansen JK, Iversen O: Calciumudskillelsen i urinen
ved hyperparatyreoidisme.
Ugeskr Laeger 135:1028-30, 21 May 73 (Dan)
CALCIUM, blood/ *CALCIUM, urine/
FEMALE/ HUMAN/
HYPERPARATHYROIDISM, blood/
HYPERPARATHYROIDISM, complications/
*HYPERPARATHYROIDISM, urine/ KIDNEY
CALCULI, etiology/ MALE/ MIDDLE AGE/
TIME FACTORS/ URINARY CALCULI,
etiology
1845. Johansen JK, Iversen O: Calcium excretion in the urine
in patients with hyperparathyroidism.
Scand J Urol Nephrol 7:168-71, 1973
CALCIUM, blood/ *CALCIUM, urine/ HUMAN/
HYPERPARATHYROIDISM, complications/
*HYPERPARATHYROIDISM, urine/
RECURRENCE/ TIME FACTORS/ URINARY
CALCULI, etiology
1846. John TJ, Devarajan LV: Poliovirus antibody in milk and
sera of lactating women.
Indian J Med Res 61:1009-12, Jul 73
*ANTIBODIES, VIRAL, analysis/ FEMALE/
HUMAN/ *LACTATION/ *MILK, HUMAN,
immunology/ NEUTRALIZATION TESTS/
*POLIOVIRUS, immunology/ PREGNANCY/
TIME FACTORS
1847. Johnson BL Jr, Mandiola S, Dahlgren J: Effects of
administration of hydrocortisone on the renal and
biliary excretion of ampicillin in the dog.
J Infect Dis 129:37-44, Jan 74
AMPICILLIN, analysis/ AMPICILLIN, blood/
*AMPICILLIN, metabolism/ AMPICILLIN,
urine/ ANIMAL EXPERIMENTS/ BILE,
analysis/ CHROMATOGRAPHY/ CREATININE,
metabolism/ DIFFUSION/ DOGS/
*HYDROCORTISONE, pharmacodynamics/ IN
VITRO/ KIDNEY, drug effects/ *KIDNEY,
metabolism/ LIVER, drug effects/ *LIVER,
metabolism/ PROTEIN BINDING, drug effects/
TAUROCHOLIC ACID, metabolism
1848. Johnson LA, Purse VG: Alpha chlorohydrin: studies on
the mechanism of action in male swine.
J Anim Sci 37:1207-11, Nov 73
ADMINISTRATION, ORAL/ ALLYL
COMPOUNDS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CELL MOVEMENT/
CHLORINE, administration & dosage/
CHLORINE, pharmacodynamics/ FEMALE/
FERTILIZATION/ GONADOTROPINS,
CHORIONIC, pharmacodynamics/
GONADOTROPINS, EQUINE,
pharmacodynamics/ INSEMINATION,
ARTIFICIAL/ MALE/ OVIDUCTS/
OVULATION, drug effects/ PREGNANCY/
PROPANEDIOLS, administration & dosage/
*PROPANEDIOLS, pharmacodynamics/ SEMEN,
drug effects/ SPERMATOZOA, drug effects/
*SWINE, physiology/ THIOUREA,
pharmacodynamics/ TIME FACTORS
1849. Johnson RK, Omtvedt IT: Evaluation of purebreds and
two-breed crosses in swine: reproductive
performance. J Anim Sci 37:1279-88, Dec 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ BIRTH WEIGHT/ BODY
WEIGHT/ *BREEDING/ CORPUS LUTEUM,
anatomy & histology/ *CROSSES, GENETIC/
EMBRYO, growth & development/ ESTRUS/
FEMALE/ LABOR/ MALE/ OVULATION/
PREGNANCY/ *REPRODUCTION/ SEASONS/
*SWINE, physiology/ WEANING
1850. Jokinen EJ, Oravisto KJ, Alfthan OS: The effect of
cystectomy on antitissue antibodies in interstitial
cystitis. Clin Exp Immunol 15:457-60, Nov 73
ANTINUCLEAR FACTORS/
*AUTOANTIBODIES, analysis/ *BLADDER,
surgery/ CELL NUCLEUS/ *CYSTITIS,
immunology/ HUMAN/ KIDNEY, immunology/
MUSCLE, SMOOTH, immunology/ STOMACH,
immunology/ THYROID GLAND, immunology
1851. John T, Tarin MJ, Garcia MD: Induction of goitre by
PTU or KCIO4 in male and female rats. Effect of
gonadectomy.
Acta Endocrinol (Kbh) 74:88-104, Sep 73
ADRENAL GLANDS, anatomy & histology/
AGE FACTORS/ ANIMAL EXPERIMENTS/
BLOOD SUGAR/ BODY WEIGHT/
CHLORATES/ DIET/ FEMALE/ *GOITER,
chemically induced/ GOITER, metabolism/
GONADS, physiology/ INSULIN, blood/
IODINE, metabolism/ MALE/ ORGAN
WEIGHT/ PITUITARY GLAND, anatomy &
histology/ *POTASSIUM/
*PROPYLTHIOURACIL/ PROTEIN-BOUND
IODINE TEST/ RATS/ SEX FACTORS/
SOMATOTROPIN, metabolism/ THYROID
GLAND, anatomy & histology/ THYROID
GLAND, metabolism/ THYROTROPIN, blood
1852. Jones GE, Boyns AR: Proceedings: Effect of sex
steroids on the pituitary responsiveness to synthetic
luteinizing hormone releasing hormone in the male
dog. J Endocrinol 59:xv, Nov 73
ANIMAL EXPERIMENTS/
DIETHYLSTILBESTROL, pharmacodynamics/
DOGS/ ESTRADIOL, pharmacodynamics/
*LH-FSH RELEASING HORMONE,
pharmacodynamics/ MALE/ *PITUITARY
GLAND, drug effects/ PROGESTERONE,
pharmacodynamics/ *SEX HORMONES,
pharmacodynamics/ TESTOSTERONE,
pharmacodynamics
1853. Jones MA, Shannon AD: The control of the level of
staphylococcal contamination of the bovine udder by
sbed management. NZ Vet J 20:179-82, Oct 72
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/
LACTATION/ *MASTITIS, BOVINE, prevention
& control/ MILK, microbiology/
STAPHYLOCOCCAL INFECTIONS, prevention
& control/ *STAPHYLOCOCCAL INFECTIONS,
veterinary/ STAPHYLOCOCCUS, isolation &
purification
1854. Jones RJ: Sex predetermination and the sex ratio at
birth. Soc Biol 20:203-11, Jun 73
MODELS, BIOLOGICAL/ *SEX
DETERMINATION/ *SEX RATIO
1855. Jonsson J, Fagraeus A, Sundqvist KG: Stimulation of
organ specific and non-organ specific antigens on the
surface of thyroid cells by phytohaemagglutinin P.
Scand J Immunol 2:239-50, 1973
ADULT/ ANTIGENIC DETERMINANTS/
*ANTIGENS/ CARBON RADIOISOTOPES/
CARCINOMA, immunology/ CELL MEMBRANE,
immunology/ CELLS, CULTURED/
COMPLEMENT/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FEMALE/
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DIFFUSION TESTS/ GUINEA PIGS,

AUTHOR SECTION

- immunology/ HUMAN/ MALE/ MICROSCOPY,
PHASE CONTRAST/ MONKEYS, immunology/
PLANT AGGLUTININS, administration &
dosage/ *PLANT AGGLUTININS,
pharmacodynamics/ RABBITS, immunology/
THYMIDINE, metabolism/ THYROID GLAND,
cytology/ *THYROID GLAND, immunology/
*THYROIDITIS, immunology/ UTERINE
NEOPLASMS, immunology
1856. Josefsson E, Munck L: Influence of genetically determined differences in glucosinolate content on the nutritional value of rapeseed meal.
J Sci Food Agric 24:1265-71, Oct 73
ANIMAL EXPERIMENTS/ ANIMAL FEED/
ANIMAL NUTRITION/ BIOLOGICAL ASSAY/
BODY WEIGHT, drug effects/ DIET/
DIETARY PROTEINS/ GENES/ GERM-FREE
LIFE/ GLYCOSIDE HYDROLASES/ HEAT/
MALE/ MICE/ OXAZOLES/ PROTEINS,
metabolism/ *SEEDS, metabolism/ SPECIES
SPECIFICITY/ THIOCYANATES/
THIOGLYCOSIDES, administration & dosage/
THIOGLYCOSIDES, adverse effects/
*THIOGLYCOSIDES, metabolism/ THIONES
1857. Joseph J, Tydd M: The effects of cortisone acetate on tissue regeneration in the rabbit's ear.
J Anat 115:445-60, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT,
drug effects/ CARTILAGE, drug effects/
CELL DIFFERENTIATION, drug effects/
CONNECTIVE TISSUE, drug effects/
*CORTISONE, pharmacodynamics/ EAR,
EXTERNAL, injuries/ *EAR, EXTERNAL,
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effects/ FIBROBLASTS, drug effects/
INJECTIONS, SUBCUTANEOUS/
MACROPHAGES, drug effects/ MALE/
MUCOPOLYSACCHARIDES, analysis/
RABBITS/ *REGENERATION, drug effects/
SKIN, drug effects/ TIME FACTORS
1858. Jost F: Kammerendtellveränderungen im EKG bei Thyreotoxikosis facitilia.
Z Kardiol 62:845-50, Sep 73 (Ger)
ADULT/ *ELECTROCARDIOGRAPHY/
ENGLISH ABSTRACT/ HUMAN/
HYPERTHYROIDISM, chemically induced/
*HYPERTHYROIDISM, diagnosis/ LONG TERM
CARE/ MALE/ OBESITY, drug therapy/
THYROID HORMONES, adverse effects/
THYROID HORMONES, therapeutic use/
TISSUE EXTRACTS
1859. Jost JP, Keller R, Dierks-Ventling C: Deoxyribonucleic acid and ribonucleic acid synthesis during phosvitin induction by 17beta-estradiol in immature chicks.
J Biol Chem 248:5262-6, 10 Aug 73
ANIMAL EXPERIMENTS/ CHICKENS/
COMPARATIVE STUDY/ *DNA, biosynthesis/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*EGG PROTEINS, biosynthesis/ *ESTRADIOL,
pharmacodynamics/ HYDROXYUREA,
pharmacodynamics/ KINETICS/ LIVER, drug
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MYCOTOXINS, pharmacodynamics/
OLIGOPEPTIDES, pharmacodynamics/ ORGAN
WEIGHT/ PEPTIDES, CYCLIC,
pharmacodynamics/ *PHOSPHOPROTEINS,
biosynthesis/ *RNA, biosynthesis/ TIME
FACTORS
1860. Jouannot P, Hatt PY: Relations frequence-force contractile, reflet des transferts calciques intramyocardiques.
Acta Cardiol (Brux) Suppl 17:114-2, 1973 (Fre)
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ ENGLISH ABSTRACT/ *HEART,
physiology/ *HEART RATE/ *MYOCARDIUM,
metabolism/ RATS
1861. Jouve A: Le cardiologue devant les troubles électrolytiques.
Acta Cardiol (Brux) Suppl 17:2-14, 1973 (Fre)
ADENOSINE TRIPHOSPHATASE, metabolism/
DIGITALIS GLYCOSIDES, therapeutic use/
DIURETICS, therapeutic use/ *HEART
DISEASES, complications/ HEART DISEASES,
metabolism/ HEART DISEASES, therapy/
HEART FAILURE, CONGESTIVE, etiology/
HUMAN/ HYPERALDOSTERONISM, etiology/
POTASSIUM, metabolism/ SODIUM,
metabolism/ *WATER-ELECTROLYTE
BALANCE/ WATER-ELECTROLYTE
BALANCE, drug effects
1862. Jouvot M, Pujol JF: Role des monoamines dans la régulation de la vigilance. Etude neurophysiologique et biochimique.
Rev Neurol (Paris) 127:115-38, Jul 72 (Fre)
*AMINES, metabolism/ ANIMAL
EXPERIMENTS/ *ATTENTION, drug effects/
BRAIN CHEMISTRY/ CATECHOLAMINES,
metabolism/ CATECHOLAMINES,
pharmacodynamics/ CATECHOLAMINES,
physiology/ CATS/ CIRCADIAN RHYTHM/
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ELECTRODIAGNOSIS/ HYDROXYDOPAMINE,
metabolism/ HYDROXYDOPAMINE,
pharmacodynamics/ HYDROXYTRYPTOPHAN,
pharmacodynamics/ METHODS/ MODELS,
NEUROLOGIC/ NEURONS, drug effects/
NEURONS, metabolism/ RATS/ SEROTONIN,
metabolism/ SEROTONIN, pharmacodynamics/
SLEEP, drug effects/ SLEEP, REM, drug
effects/ *WAKEFULNESS, drug effects
1863. Jowett TP, Slater JD, Piyasena RD, et al: Radioimmunoassay of aldosterone in plasma and urine: validation of a novel separation technique and a rapid urine assay. Clin Sci Mol Med 45:607-23, Nov 73
*ALDOSTERONE, analysis/ ALDOSTERONE,
blood/ ALDOSTERONE, urine/
CHROMATOGRAPHY, PAPER/ CROSS
REACTIONS/ FEMALE/ FUROSEMIDE,
pharmacodynamics/ HUMAN/
HYDROCORTISONE, blood/ HYPERTENSION,
urine/ METHODS/ POSTURE/ PREGNANCY/
RABBITS, immunology/
RADIOIMMUNOASSAY/ TIME FACTORS/
TOLUENE/ TRITIUM
1864. Jowsey J: The microradiographic assessment of bone structure. Triangle 12:93-101, 1973
ANIMAL EXPERIMENTS/ *BONE AND
BONES, anatomy & histology/ BONE AND
BONES, metabolism/ BONE RESORPTION/
CALCIUM, therapeutic use/ *FLUORIDES,
therapeutic use/ HUMAN/
*MICRORADIOGRAPHY/ MINERALS,
metabolism/ OSTEOGENESIS/ OSTEOPOROSIS,
drug therapy/ OSTEOPOROSIS, pathology/
VITAMIN D, therapeutic use
1865. Jubiz W, Fraley J: Seminal fluid and plasma prostaglandin responses to aspirin in normal subjects. Fertil Steril 24:977-8, Dec 73
ADULT/ *ASPIRIN, pharmacodynamics/
DEPRESSION, CHEMICAL/ HUMAN/ MALE/
PROSTAGLANDINS, analysis/
*PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, blood/
RADIOIMMUNOASSAY/ SEMEN, analysis/
*SEMEN, metabolism
1866. Judd HL, Parker DC, Rakoff JS, et al: Elucidation of mechanism(s) of the nocturnal rise of testosterone in men. J Clin Endocrinol Metab 38:134-41, Jan 74
ADULT/ ANDROSTENEDIONE, blood/
CIRCADIAN RHYTHM/
DEHYDROEPIANDROSTERONE, blood/
DEXAMETHASONE, pharmacodynamics/
HUMAN/ HYDROCORTISONE, blood/ LH,
blood/ MALE/ PROLACTIN, blood/
RADIOIMMUNOASSAY/ *TESTOSTERONE,
blood
1867. Judd HL, Rebar R, Vandenberg G, et al: Effect of luteinizing hormone-releasing factor on Leydig cell function. J Clin Endocrinol Metab 38:8-13, Jan 74
ADULT/ *ANDROSTENEDIONE, blood/
DOSE-RESPONSE RELATIONSHIP, DRUG/
HUMAN/ *LEYDIG CELLS, drug effects/
LH-FSH RELEASING HORMONE,
administration & dosage/ *LH-FSH
RELEASING HORMONE, pharmacodynamics/
MALE/ MIDDLE AGE/ *TESTOSTERONE,
blood/ TIME FACTORS

AUTHOR SECTION

1888. Judd HL, Scully RE, Herbst AL, et al: Familial hyperthecosis: comparison of endocrinologic and histologic findings with polycystic ovarian disease. *Am J Obstet Gynecol* 117:978-82, 1 Dec 73
ADOLESCENCE/ ADULT/
ANDROSTENEDIONE, blood/
ANDROSTENEDIONE, metabolism/
COMPARATIVE STUDY/ DEXAMETHASONE, diagnostic use/ DIABETES MELLITUS, complications/ FEMALE/ FSH, blood/
HIRSUTISM, etiology/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, urine/
HYPERPLASIA/ 17-KETOSTEROIDS, urine/
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OVARIAN DISEASES, complications/
*OVARIAN DISEASES, familial & genetic/
OVARIAN DISEASES, metabolism/ OVARIAN DISEASES, pathology/ OVARIAN DISEASES, surgery/ *STEIN-LEVENTHAL SYNDROME, familial & genetic/ STEIN-LEVENTHAL SYNDROME, metabolism/ STEIN-LEVENTHAL SYNDROME, pathology/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism
1889. Judy JC, Scardino FL: Adrenal cortical carcinoma: a case report. *J Med Assoc Ga* 62:377-9, Nov 73
*ADRENAL GLAND NEOPLASMS, drug therapy/ ADRENAL GLAND NEOPLASMS, surgery/ *CARCINOMA, drug therapy/ CARCINOMA, surgery/ *DDD, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT
1870. Julliard E, Grosset L: Le praticien face aux problèmes courants de la génétique. *Rev Med Suisse Romande* 93:855-68, Sep 73 (Fre)
ABNORMALITIES, MULTIPLE, etiology/
ADOLESCENCE/ ADULT/ AGE FACTORS/
AMNIOCENTESIS/ CHROMOSOME
ABNORMALITIES, complications/ CRYING
CAT SYNDROME, diagnosis/ FEMALE/
GENETIC COUNSELING/ *HEREDITARY DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, diagnosis/ MALE/ MONGOLISM, diagnosis/ PEDIGREE/ PREGNANCY/
PRENATAL DIAGNOSIS/ SEX CHROMATIN/
SEX CHROMOSOME ABNORMALITIES, diagnosis/ TRISOMY/ TURNER'S SYNDROME, diagnosis
1871. Jullien P, Doumic J, Widlocher D, et al: Syndrome de Turner et schizophrénie. A propos d'une nouvelle observation où s'associent les deux affections. *Ann Med Interne (Paris)* 124:571-5, Aug-Sep 73 (Fre)
ADOLESCENCE/ BODY HEIGHT/ CHILD DEVELOPMENT DEVIATIONS, etiology/
CHLORPROMAZINE, therapeutic use/
CRANIOFACIAL DYSOSTOSIS, etiology/
FEMALE/ HUMAN/ INTELLIGENCE TESTS/
METHOTRIMEPRAZINE, therapeutic use/
MOSAICISM/ PSYCHOTHERAPY/
*SCHIZOPHRENIA, complications/
SCHIZOPHRENIA, drug therapy/ SOCIAL BEHAVIOR DISORDERS, etiology/ *TURNER'S SYNDROME, complications
1872. Junge WD, Kyank H, Pelz L, et al: Schwangerschaften nach vorausgegangener Methotrexat-Behandlung. Chromosomenanalysen bei Mutter und Kind. *Zentralbl Gynaekol* 95:1128-9, 10 Aug 73 (Ger)
*CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/
KARYOTYPING/ MATERNAL-FETAL EXCHANGE/ *METHOTREXATE, adverse effects/ METHOTREXATE, therapeutic use/
PREGNANCY/ PREGNANCY COMPLICATIONS, drug therapy/
TROPHOBLASTIC TUMOR, drug therapy
1873. Jungi WF: Therapie der akuten Leukämien. *Schweiz Med Wochenschr* 103:1310-4, 22 Sep 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ADRIAMYCIN, therapeutic use/
ASPARAGINASE, therapeutic use/
CYCLOPHOSPHAMIDE, therapeutic use/
CYTARABINE, therapeutic use/
DAUNOMYCIN, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYUREA, therapeutic use/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, MONOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/
MERCAPTOPYRINE, therapeutic use/
METHOTREXATE, therapeutic use/
THIOGUANINE, therapeutic use/
VINCRISTINE, therapeutic use
1874. Junginger T, Cagilani P, Spelsberg F, et al: Progressi nella diagnostica e terapia del carcinoma bronchiale. Risultati clinici in 2579 casi. *Minerva Chir* 28:1335-48, 31 Oct 73 (Ita)
ADENOCARCINOMA, surgery/ ADULT/ AGED/ BIOPSY/ *BRONCHIAL NEOPLASMS, diagnosis/ BRONCHIAL NEOPLASMS, surgery/ BRONCHOSCOPY/ CARCINOMA, BRONCHOGENIC, surgery/ CARCINOMA, EPIDERMOID, surgery/ CARCINOMA, OAT CELL, surgery/ CYTODIAGNOSIS/ DIAGNOSIS, SURGICAL/ ENDOSCOPY/
ENGLISH ABSTRACT/ HUMAN/ *LUNG NEOPLASMS, diagnosis/ LUNG NEOPLASMS, surgery/ LYMPHATIC METASTASIS/ MEDIASTINUM/ MIDDLE AGE/ PNEUMONECTOMY/ PROGNOSIS/ THORACIC RADIOGRAPHY
1875. Jungmann RA, Hiestand PC, Schweppe JS: Mechanism of action of gonadotropin. IV. Cyclic adenosine monophosphate-dependent translocation of ovarian cytoplasmic cyclic adenosine monophosphate-binding protein and protein kinase to nuclear acceptor sites. *Endocrinology* 91:168-83, Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL NUCLEUS, enzymology/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATIN, enzymology/ CHROMATIN, metabolism/ CYTOPLASM, metabolism/ FEMALE/ IN VITRO/ OSMOLAR CONCENTRATION/ OVARY, cytology/
OVARY, enzymology/ *OVARY, metabolism/ PROTEIN BINDING/ *PROTEIN KINASE, metabolism/ *PROTEINS, metabolism/ RATS/ TEMPERATURE/ TRITIUM
1876. Jurand A: Teratogenic activity of methadone hydrochloride in mouse and chick embryos. *J Embryol Exp Morphol* 30:449-58, Oct 73
ABNORMALITIES, DRUG-INDUCED, etiology/
ANENCEPHALUS, chemically induced/
ANIMAL EXPERIMENTS/ BRAIN, drug effects/ CHICK EMBRYO/ *EMBRYO, drug effects/ FEMALE/ GERM LAYERS, drug effects/ GESTATIONAL AGE/ LETHAL DOSE 50/ METHADONE, administration & dosage/
*METHADONE, toxicity/ MICE/ MICE, INBRED STRAINS/ NECROSIS/ PREGNANCY/ RICKETS, chemically induced/ SPINA BIFIDA, chemically induced/ SPINAL CORD DISEASES, chemically induced

K

1877. Kacaw S, Singhal RL: Adaptive response of hepatic carbohydrate metabolism to oral administration of p,p'-1,1,1-trichloro-2,2-bis (p-chlorophenyl)ethane in rats. *Biochem Pharmacol* 22:47-57, 1 Jan 73
*ADAPTATION, PHYSIOLOGICAL, drug effects/ ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
BLOOD SUGAR, analysis/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DDT, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
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LIVER GLYCOGEN, analysis/ MALE/
PHOSPHOENOLPYRUVATE CARBOXYKINASE, metabolism/
PYRUVATE CARBOXYLASE, metabolism/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

AUTHOR SECTION

1878. Kacew S, Singhal RL: The influence of p,p'-DDT, alpha-chlordane, heptachlor and endrin on hepatic and renal carbohydrate metabolism and cyclic AMP-adenyl cyclase system. Life Sci 13:1363-71, 16 Nov 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ *CARBOHYDRATES, metabolism/ *CHLORDAN, pharmacodynamics/ COMPARATIVE STUDY/ *DDT, pharmacodynamics/ *ENDRIN, pharmacodynamics/ GLUCONEOGENESIS, drug effects/ GLUCOSEPHOSPHATASE, metabolism/ *HEPTACHLOR, pharmacodynamics/ HEXOSEPHOSPHATASE, metabolism/ KIDNEY CORTEX, drug effects/ *KIDNEY CORTEX, metabolism/ KINETICS/ LIVER, drug effects/ *LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ PHOSPHODIESTERASES, metabolism/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, metabolism/ PYRUVATE CARBOXYLASE, metabolism/ RATS/ UREA, blood
1879. Kacew S, Singhal RL: Effect of certain halogenated hydrocarbon insecticides on cyclic adenosine 3',5'-monophosphate-3H formation by rat kidney cortex. J Pharmacol Exp Ther 188:265-76, Jan 74
ADENOSINE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, antagonists & inhibitors/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CHLORDAN, pharmacodynamics/ DDT, pharmacodynamics/ DIELDRIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ENDRIN, pharmacodynamics/ HEPTACHLOR, pharmacodynamics/ HYDRAZINES, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ *INSECTICIDES, ORGANOCHLORINE, pharmacodynamics/ KIDNEY CORTEX, enzymology/ *KIDNEY CORTEX, metabolism/ MALE/ PHOSPHODIESTERASES, metabolism/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ TRITIUM
1880. Kacker RK: Studies on the chromosomes of Indian Coleoptera. V. On the cytology of Hoplobrachium asperipenne Fairm. (Tenebrionidae: Amarygmidae), Epilachna septima Dieke (Coccinellidae: Epilachninae), and Caryedon gonagra (Fabr.) (Bruchidae: Bruchinae). Cytologia (Tokyo) 38:535-8, Sep 73
ANIMAL EXPERIMENTS/ *BEETLES, cytology/ *CHROMOSOMES/ INDIA/ KARYOTYPING/ MALE/ TESTIS, cytology
1881. Kaczmarek LK, Adey WR: The efflux of 45CA2+ and (3H)gamma-aminobutyric acid from cate cerebral cortex. Brain Res 63:331-42, 7 Dec 73
ACETIC ACIDS, metabolism/ *AMINOBTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ CATS/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, metabolism/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ MAGNESIUM, metabolism/ NEURAL TRANSMISSION/ SYNAPTIC MEMBRANES, metabolism/ SYNAPTIC VESICLES, metabolism/ THIOSEMICARBAZONES, pharmacodynamics/ TRITIUM
1882. Kadowitz PJ, Joiner PD, Hyman AL: Differential effects of phentolamine and bretylium on pulmonary vascular responses to norepinephrine and nerve stimulation. Proc Soc Exp Biol Med 144:172-6, 1 Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BLOOD PRESSURE DETERMINATION/ *BRETYLIUM COMPOUNDS, pharmacodynamics/ DOGS/ ELECTRIC STIMULATION/ FEMALE/ FEMORAL ARTERY/ HEART ATRIUM/ HEART CATHETERIZATION/ MALE/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ PULMONARY ARTERY/ *PULMONARY CIRCULATION, drug effects/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ *STELLATE GANGLION, physiology/ VASCULAR RESISTANCE, drug effects/ *VASOMOTOR SYSTEM, drug effects
1883. Kahan BD, Tom BH, Mittal KK, et al: Immunodiagnostic test for transplant rejection. Lancet 1:37-42, 12 Jan 74
ANTIGEN-ANTIBODY REACTIONS/ ANTIGENIC DETERMINANTS/ AZATHIOPRINE, pharmacodynamics/ CELL AGGREGATION/ CROSS REACTIONS/ FEMALE/ *GRAFT REJECTION/ GRAFT REJECTION, drug effects/ GRAFT VS HOST REACTION/ HISTOCOMPATIBILITY ANTIGENS, analysis/ HUMAN/ IMMUNITY, CELLULAR/ *IMMUNOLOGIC TECHNIQS/ IMMUNOSUPPRESSION/ IN VITRO/ KIDNEY, transplantation/ *LEUKOCYTES, immunology/ METHYLPREDNISOLONE, pharmacodynamics/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, diagnosis/ PREDNISONE, pharmacodynamics/ TRANSPLANTATION, HOMOLOGOUS
1884. Kaldbey KH, Klugman AM: The pathogenesis of topical steroid acne. J Invest Dermatol 62:31-6, Jan 74
*ACNE, chemically induced/ ACNE, pathology/ ADULT/ *FLUOCINOLONE ACETONIDE/ HUMAN/ MALE/ NEGROID RACE/ SEBUM, drug effects
1885. Kaiser E, Welsenbach J, Méhes K, et al: Silver-Russell-syndrome 5 and one half éves fiúgyermekhen. Orv Hetil 114:2908-10, 2 Dec 73 (Hun)
ABNORMALITIES, MULTIPLE/ CHILD, PRESCHOOL/ *CRANIOFACIAL DYSOSTOSIS, complications/ *DWARFISM, complications/ FEMALE/ GONADOTROPINS, urine/ HUMAN/ HYPERTROPHY, congenital/ MICROGNATHISM, complications/ *PUBERTY, PRECOCIOUS, complications/ SYNDROME
1886. Kaiser H: Tuberkulose-Reaktivierung durch Corticosteroide. Dtsch Med Wochenschr 99:26, 4 Jan 74 (Ger)
*ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ RECURRENCE/ TRIAMCINOLONE ACETONIDE, adverse effects/ *TUBERCULOSIS, PULMONARY, chemically induced
1887. Kakiuchi S, Yamazaki R, Teshima Y, et al: Regulation of nucleoside cyclic 3':5'-monophosphate phosphodiesterase activity from rat brain by a modulator and Ca2+. Proc Natl Acad Sci USA 70:3526-30, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ANIMAL EXPERIMENTS/ CALCIUM/ *CEREBRAL CORTEX, enzymology/ ENZYME ACTIVATION/ GEL FILTRATION/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HYDROLYSIS/ IN VITRO/ MAGNESIUM/ *PHOSPHODIESTERASES, metabolism/ PROTEINS, isolation & purification/ RATS
1888. Kalinin AP, Titov VN: Khirurgicheskoe lechenie oslozhneniy sakharnogo diabeta. Klin Med (Mosk) 51:20-6, May 73 (75 ref.) (Rus)
ADRENAL GLANDS, metabolism/ ADRENALECTOMY/ CARBOHYDRATES, metabolism/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, metabolism/ DIABETIC RETINOPATHY, complications/ HUMAN/ HYPOPHYSECTOMY/ LIGHT COAGULATION/ PANCREAS, transplantation/ PITUITARY GLAND, metabolism/ RETINA, blood supply/ REVIEW/ *SURGERY, OPERATIVE/ TRANSPLANTATION, HOMOLOGOUS/ VASCULAR DISEASES, etiology

AUTHOR SECTION

1889. Kallish SR, Irwin WG: Hyperthyroid osteoporosis. A case study in differential diagnosis. J Am Podiatry Assoc 64:35-45, Jan 74
AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FOOT, radiography/ HAND, radiography/ HUMAN/ *HYPERTHYROIDISM, complications/ MALE/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, etiology/ THYROID GLAND FUNCTION TESTS
1890. Kallela K, Korpinen EL: The quantity and estrogenic activity of F-2 toxin produced on different substrates. Nord Vet Med 25:446-50, Sep 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT, drug effects/ DRUG SYNERGISM/ ESTRADIOL, antagonists & inhibitors/ ESTRADIOL, pharmacodynamics/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ FUSARIUM/ GRAIN/ GRASSES/ MYCOTOXINS, administration & dosage/ *MYCOTOXINS, pharmacodynamics/ ORGAN WEIGHT/ RATS/ SILAGE/ STIMULATION, CHEMICAL/ UTERUS, analysis/ UTERUS, anatomy & histology/ *UTERUS, drug effects/ VAGINA, drug effects
1891. Kalmár L, Papp L, Mándi A: Symptome mit genetischer Bedeutung in der Orthopädie. Beitr Orthop Traumatol 20:502-4, Sep 73 (Ger)
ABNORMALITIES, MULTIPLE, diagnosis/ *BONE AND BONES, abnormalities/ *CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, diagnosis/ CHROMOSOMES, HUMAN, 16-18/ HUMAN/ MONGOLISM, diagnosis/ ORTHOPEDICS/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ SKULL, abnormalities/ TRISOMY
1892. Kalra SP, Krulich L, McCann SM: Changes in gonadotropin-releasing factor content in the rat hypothalamus following electrochemical stimulation of anterior hypothalamic area and during the estrous cycle. Neuroendocrinology 12:321-33, 1973
ANIMAL EXPERIMENTS/ ELECTRIC STIMULATION/ *ESTRUS/ FEMALE/ FSH, analysis/ FSH, secretion/ *HYPOTHALAMUS, secretion/ IMMUNOASSAY/ LH, analysis/ LH, secretion/ *LH-FSH RELEASING HORMONE, secretion/ PENTOBARBITAL, pharmacodynamics/ PITUITARY GLAND/ RATS/ TISSUE EXTRACTS
1893. Kaltenbach FJ, Fettig O, Weiter J: Histologische und autoradiographische Untersuchungen am menschlichen Endometrium unter der 2-Phasen-Therapie mit Mestranol-Lynestrenol. Arch Gynaekol 215:325-42, 1973 (Ger)
ADULT/ AUTORADIOGRAPHY/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DNA, biosynthesis/ ENDOMETRIUM, cytology/ *ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LYNESTRENOL, pharmacodynamics/ *MESTRANOL, pharmacodynamics/ MIDDLE AGE/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM
1894. Kamata M: [Movement of teeth and parathyroid hormone] J Jap Stomatol Soc 40:178, Jun 73 (Jap)
ANIMAL EXPERIMENTS/ *PARATHYROID HORMONE, physiology/ RATS/ *TOOTH MOBILITY
1895. Kambić V, Lenart I, Lenart V, et al: Beitrag zur Frage der Reversibilität bzw. Irreversibilität von Gewebsveränderungen, die bei Hunden nach der i.m. Verabreichung von Testosteron an der laryngealen Schleimhaut auftreten. HNO 21:300-3, Oct 73 (Ger)
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CASTRATION/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ KERATOSIS, chemically induced/ LARYNGEAL DISEASES, chemically induced/ LARYNGEAL DISEASES, pathology/ *LARYNX, drug effects/ LYMPHOCYTES/ MALE/ MUCOUS MEMBRANE, drug effects/ PLASMA CELLS/ SEX FACTORS/ TESTOSTERONE, adverse effects/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS
1896. Kandutsch AA, Chen HW: Inhibition of sterol synthesis in cultured mouse cells by 7alpha-hydroxycholesterol, 7beta-hydroxycholesterol, and 7-ketocholesterol. J Biol Chem 248:8408-17, 25 Dec 73
ACETATES, metabolism/ ALCOHOL OXIDOREDUCTASES, metabolism/ CARBON DIOXIDE, biosynthesis/ CARBON RADIOISOTOPES/ CELLS, CULTURED/ CHOLESTEROL, metabolism/ *CHOLESTEROL, pharmacodynamics/ DEPRESSION, CHEMICAL/ FATTY ACIDS, biosynthesis/ FETUS/ GLUTARATES/ KETOSTEROIDS, pharmacodynamics/ L CELLS, drug effects/ L CELLS, enzymology/ *L CELLS, metabolism/ LIVER, cytology/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MEVALONIC ACID/ MICE/ MICE, INBRED C57BL/ PROTEINS, biosynthesis/ RNA, biosynthesis/ STEROIDS, pharmacodynamics/ *STEROLS, biosynthesis/ STRUCTURE-ACTIVITY RELATIONSHIP
1897. Kaneko T: [Mechanism of action of LH-RH] Clin Endocrinol (Tokyo) 21:893-6, Sep 73 (17 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CHEMISTRY/ LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ RECEPTORS, HORMONE/ REVIEW
1898. Kannengiesser MH, Hunt P, Raynaud JP: An in vitro model for the study of psychotropic drugs and as a criterion of antidepressant activity. Biochem Pharmacol 22:73-84, 1 Jan 73
ANIMAL EXPERIMENTS/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BLOOD-BRAIN BARRIER/ BRAIN, cytology/ CARBON RADIOISOTOPES/ CENTRIFUGATION, DENSITY GRADIENT/ DIBENZAZEPINES, pharmacodynamics/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ IN VITRO/ LACTATE DEHYDROGENASE, metabolism/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ OUABAIN, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ *SEROTONIN, metabolism/ *SYNAPTOSOMES, metabolism/ TEMPERATURE/ TIME FACTORS
1899. Kano K, Sato S: [Fine structure of the adrenal adenoma producing Cushing's syndrome (author's transl)] Jap J Urol 64:529-38, Jul 73 (Jap)
ADENOMA, complications/ *ADENOMA, pathology/ ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, pathology/ *ADRENAL MEDULLA, pathology/ ADULT/ CHILD/ CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MICROSCOPY, ELECTRON
1900. Kantor HS, Tao P, Gorbach SL: Stimulation of intestinal adenyl cyclase by Escherichia coli enterotoxin: comparison of strains from an infant and an adult with diarrhea. J Infect Dis 129:1-9, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ADULT/ ANIMAL EXPERIMENTS/ CHOLERA, enzymology/ *DIARRHEA, enzymology/ DIARRHEA, etiology/ DIARRHEA, INFANTILE, enzymology/ DIARRHEA, INFANTILE, etiology/ *ENTEROTOXINS, pharmacodynamics/ EPITHELIAL CELLS, drug effects/ ESCHERICHIA COLI INFECTIONS, complications/ *ESCHERICHIA COLI INFECTIONS, enzymology/ FLUORIDES, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ GUANOSINE TRIPHOSPHATE, biosynthesis/ GUANYL CYCLASE, metabolism/ HUMAN/ INFANT/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, enzymology/

AUTHOR SECTION

- PHOSPHODIESTERASES, metabolism/
PHOSPHORUS RADIOISOTOPES/
PROSTAGLANDINS, pharmacodynamics/
TEMPERATURE/ TRITIUM
1901. Kaplan GW, McLaughlin AP: Urogenital anomalies and congenital rubella syndrome. *Urology* 2:148-52, Aug 73
*ABNORMALITIES, MULTIPLE/ BLADDER
NECK OBSTRUCTION, congenital/
CATARACT, congenital/ CHILD, PRESCHOOL/
CRYPTORCHISM, complications/ DUCTUS
ARTERIOSUS, PATENT, complications/
HEARING DISORDERS, congenital/ HUMAN/
HYPOSPADIAS, complications/ INFANT/
MALE/ RUBELLA, complications/ *RUBELLA,
congenital/ SYNDROME/ URETER,
abnormalities/ URETHRA, abnormalities/
URINARY TRACT INFECTIONS, etiology/
*UROGENITAL SYSTEM, abnormalities/
VESICO-URETERAL REFLUX, congenital
 1902. Kaplan HM, Ward GW Jr: New concepts in asthma. *Med Ann DC* 42:566-8, Nov 73 (26 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ ADRENERGIC BETA RECEPTOR
AGONISTS, pharmacodynamics/ *ASTHMA,
etiology/ ASTHMA, physiopathology/
BRONCHI, innervation/ BRONCHI,
physiopathology/ HUMAN/ NEURONS,
AFFERENT/ RECEPTORS, ADRENERGIC/
REVIEW/ TRACHEA, innervation/ TRACHEA,
physiopathology
 1903. Kaplan WD, Holman BL, Liebow PA, et al: Enhanced detection of a skeletal lesion with delayed 99mTc-polyphosphate bone scanning. *J Nucl Med* 15:47-9, Jan 74
AGED/ *BONE NEOPLASMS, diagnosis/
*CARCINOMA, BRONCHOGENIC, diagnosis/
CARCINOMA, OAT CELL, diagnosis/
FEMALE/ HUMAN/ LUNG NEOPLASMS,
pathology/ METHODS/ NEOPLASM
METASTASIS/ PHOSPHATES/
*RADIOISOTOPE SCANNING/ TECHNETIUM,
diagnostic use
 1904. Kaplun SA, Kopteva EG: Vikovi osoblyvosti reaktivnosti na sirkovoden' za loho pokaznykamy v krovi ta zminamy arterial'nogo tysku i dykhanlia. *Fiziol Zh* 19:328-32, May-Jun 73 (Ukr)
AGE FACTORS/ ANIMAL EXPERIMENTS/
*BLOOD PRESSURE, drug effects/ BODY
WEIGHT/ DOGS/ ENGLISH ABSTRACT/
HYDROGEN SULFIDE, blood/ *HYDROGEN
SULFIDE, pharmacodynamics/
NEUROSECRETORY SYSTEMS, drug effects/
*RESPIRATION, drug effects
 1905. Karamian AI: O formirovani strukturnof i funktsional'noy organizatsii paleo-, arkh- i neokorteksa v filogeneze domlekopitalushchekh pozvonochnykh. *Zh Evol Biokhim Fiziol* 8:324-32, May-Jun 73 (Rus)
*AMPHIBIA, anatomy & histology/ ANIMAL
EXPERIMENTS/ *BRAIN,
anatomy & histology/ COMPARATIVE STUDY/
*CYCLOSTOMES, anatomy & histology/
ENGLISH ABSTRACT/ *EVOLUTION/ FROGS/
GENICULATE BODIES, anatomy & histology/
HIPPOCAMPUS, anatomy & histology/
HYPOTHALAMUS, anatomy & histology/
*REPTILES, anatomy & histology/
THALAMUS, anatomy & histology
 1906. Karande KA, Ranadive KJ: Influence of hormones and chemical carcinogen on murine leukaemia. *Br J Cancer* 28:299-309, Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
*ESTRADIOL/ FEMALE/ HEPATOMEGALY,
chemically induced/ *LEUKEMIA,
EXPERIMENTAL, chem synthesis/ LIVER,
pathology/ LYMPH NODES/ MALE/
MAMMARY NEOPLASMS,
EXPERIMENTAL/ METHYLCHOLANTHRENE/
MICE/ MICE, INBRED STRAINS/
MICROSCOPY, ELECTRON/ PITUITARY
GLAND, transplantation/ *PROGESTERONE/
SPLEEN, pathology/ SPLENOMEGALY,
chemically induced/ THYMUS GLAND,
pathology/ THYMUS NEOPLASMS, pathology
 1907. Karapetian SK, Arutunian RA: O neiro-gormonal'noi regulatsii teploohmena u ptits. *Zh Evol Biokhim Fiziol* 9:150-4, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *BODY
TEMPERATURE REGULATION/ *BRAIN,
physiology/ CHICKENS, physiology/ ENGLISH
ABSTRACT/ MALE/ *POULTRY, physiology/
RESPIRATION/ TEMPERATURE/ *THYROID
GLAND, physiology
 1908. Karjalainen P: A method for determination of the mineral content and mineral density of the distal radius using gamma ray attenuation. *Ann Clin Res* 5:231-7, Aug 73
AMERICIUM/ BONE AND BONES, analysis/
HUMAN/ METHODS/ *MINERALS, analysis/
*RADIUS, analysis/ RADIUS, pathology
 1909. Karmański J, Karmańska W, Bluszcz A, et al: Jądro nadwzrokowe i jądro przykomorowe w cyklu płciowym w świetle badań kariometrycznych. *Endokrynol Pol* 24:301-6, Jul-Aug 73 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ *ESTRUS/ FEMALE/
HYPOTHALAMUS, cytology/
*HYPOTHALAMUS, physiology/
KARYOMETRY/ RATS
 1910. Karmarkar MG, Deo MG, Kochupillai N, et al: Pathophysiology of Himalayan endemic goiter. *Am J Clin Nutr* 27:96-103, Jan 74
ADOLESCENCE/ ADULT/ ANIMAL
EXPERIMENTS/ CEYLON/ CHILD/
DEFICIENCY DISEASES, complications/
FEMALE/ GOATS/ GOITER, ENDEMIC,
etiology/ GOITER, ENDEMIC, occurrence/
*GOITER, ENDEMIC, physiopathology/
HOMEOSTASIS/ HUMAN/ INDIA/ IODINE/
*IODINE, metabolism/ MALE/ NEPAL/ RATS/
*THYROID GLAND, metabolism/ THYROID
GLAND FUNCTION TESTS/ THYROID
HORMONES, blood/ THYROTROPIN, blood/
WATER SUPPLY
 1911. Karmarkar MG, Ramalingaswami V: Pathophysiology of Himalayan endemic goitre. *Acta Endocrinol [Suppl] (Kbh)* 38-9, 1973
ADAPTATION, PHYSIOLOGICAL/ ANIMAL
EXPERIMENTS/ DEFICIENCY DISEASES,
metabolism/ GOATS, metabolism/ *GOITER,
ENDEMIC, metabolism/ GOITER, ENDEMIC,
occurrence/ HUMAN/ INDIA/ IODIDES,
analysis/ IODIDES, blood/ IODIDES, urine/
*IODINE, metabolism/ IODINE ISOTOPES,
DIAGNOSTIC/ NEPAL/ THYROTROPIN,
blood/ WATER SUPPLY
 1912. Karnaukhov VK: Opyt lechenia nespetsificheskogo lazvanogo kolita. *Sov Med* 36:93-7, May 73 (Rus)
ACUTE DISEASE/ ADOLESCENCE/ ADRENAL
CORTEX HORMONES, therapeutic use/
ADULT/ AGED/ ANTIBIOTICS, therapeutic
use/ CHILD/ CHILD, PRESCHOOL/ CHRONIC
DISEASE/ COLICINS, therapeutic use/
*COLITIS, ULCERATIVE, therapy/ DIET
THERAPY/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ IMMUNOSUPPRESSIVE AGENTS,
therapeutic use/ IODOCHLORHYDROXYQUIN,
therapeutic use/ MALE/ MIDDLE AGE/
PROCAINE, therapeutic use/
SALICYLAZOSULFAPYRIDINE, therapeutic
use/ SULFANILAMIDE, therapeutic use
 1913. Karp LA, Zimmerman LE, Borit A, et al: Primary intraorbital meningiomas. *Arch Ophthalmol* 91:24-8, Jan 74
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ CHILD/ CHILD, PRESCHOOL/
DIAGNOSIS, DIFFERENTIAL/
EXOPHTHALMOS, etiology/ FEMALE/
FOLLOW-UP STUDIES/ HUMAN/
LATERALITY/ MALE/ *MENINGIOMA/
MENINGIOMA, pathology/ MIDDLE AGE/
NEUROFIBROMATOSIS, complications/
NEUROFIBROMATOSIS, pathology/ *OPTIC
NERVE/ OPTIC NERVE, pathology/ ORBIT,
pathology/ *ORBITAL NEOPLASMS/ ORBITAL
NEOPLASMS, pathology/ *PERIPHERAL
NERVE NEOPLASMS/ PERIPHERAL NERVE

AUTHOR SECTION

- NEOPLASMS, pathology/ SEX FACTORS/
VISION DISORDERS, etiology
1914. Kartavova NS: Opredelenie pregnandiolu v moche metodom mikrotonkoslofnoy khromatografii. Lab Delo 10:598-600, 1973 (Rus)
CHROMATOGRAPHY, THIN LAYER/ HUMAN/ MICROCHEMISTRY/ *PREGNANEDIOL, urine
1915. Kartel' MV, Samarskii SL: Changes in the relative weight of the adrenals and kidneys in populations of the gray rat. Sov J Ecol 3:133-7, Mar-Apr 72
*ADRENAL GLANDS, anatomy & histology/ AGE FACTORS/ ANIMAL EXPERIMENTS/ FEMALE/ *KIDNEY, anatomy & histology/ MALE/ MICE/ ORGAN WEIGHT/ POPULATION/ RATS, anatomy & histology/ *RATS, physiology/ SEASONS/ SEX FACTORS
1916. Karvaly B, Rosenberg B, Pant HC, et al: Contribution to the electrochemistry of bimolecular lipid membranes. Biophysik 10:199-212, 1973
BATHS/ *ELECTRIC CONDUCTIVITY/ ELECTROCHEMISTRY/ ELECTRON TRANSPORT/ IODIDES/ IODINE/ IODINE RADIOISOTOPES/ *LIPIDS/ *MEMBRANES, ARTIFICIAL/ OXIDATION-REDUCTION
1917. Kasářík E: Chemie hypothalamických hypofyzotropních bormonů. Cesk Farm 22:364-74, 1973 (Cze)
CORTICOTROPIN, physiology/ FEMALE/ HUMAN/ LH-FSH RELEASING HORMONE, physiology/ MALE/ MSH, physiology/ *PITUITARY HORMONE RELEASING HORMONES, physiology/ PROLACTIN, physiology/ SOMATOTROPIN, physiology/ THYROTROPIN, physiology
1918. Kasal H, Mizutani S, Matsumoto K: Detection of (3H)5 alpha-androstane-3 alpha,17 beta-diol and 3H17 beta hydroxy-5 alpha-androstan-3-one in mouse testes following administration of (3H) testosterone. Acta Endocrinol (Kbb) 74:177-85, Sep 73
*ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD, metabolism/ CELL NUCLEUS, metabolism/ CHROMATOGRAPHY, PAPER/ CRYSTALLIZATION/ CYTOSOL, metabolism/ LIVER, metabolism/ MICE/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ MUSCLES, metabolism/ *PROSTATE, metabolism/ *SEMINAL VESICLES, metabolism/ *STANOLONE, metabolism/ *TESTIS, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM
1919. Kasakura S: Is cortisol responsible for inhibition of MLC reactions by pregnancy plasma? Nature 246:496-7, 21 Dec 73
FEMALE/ *HISTOCOMPATIBILITY/ HUMAN/ *HYDROCORTISONE, blood/ LEUKOCYTE CULTURE TEST, MIXED/ LEUKOCYTES, metabolism/ PARITY/ *PREGNANCY/ TEMPERATURE/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM
1920. Kase N: Editorial: Estrogens and the menopause. JAMA 227:318-9, 21 Jan 74
BREAST NEOPLASMS, chemically induced/ DIETHYLSTILBESTROL, adverse effects/ ESTROGENS, administration & dosage/ ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MATERNAL-FETAL EXCHANGE/ *MENOPAUSE/ MENOPAUSE, drug effects/ MIDDLE AGE/ OSTEOPOROSIS, drug therapy/ PREGNANCY/ VAGINAL NEOPLASMS, chemically induced
1921. Kasperek S, Grudzińska B, Cibis R: Przypadek choroby Jakoba-Creutzfeldta. Neuropatol Pol 11:215-21, Apr-Jun 73 (Pol)
AUTOPSY/ *CREUTZFELDT-JAKOB DISEASE, complications/ *CREUTZFELDT-JAKOB DISEASE, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ MIDDLE AGE/ *SUBSTANTIA NIGRA, pathology
1922. Kasperlik-Zaluska A, Migdalska B: Zastosowanie polcortolonu (triamcinolonu) w testach klinicznych. Endokrynol Pol 24:323-7, Jul-Aug 73 (Pol)
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HIRSUTISM, diagnosis/ *HIRSUTISM, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ MIDDLE AGE/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, diagnostic use
1923. Kästner P: Untersuchungen zum P-Phänomen bei progressiv chronischer Polyarthrit. Z Gesamte Inn Med 28:450-4, 1 Aug 73 (Ger)
ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, therapeutic use/ ARTHRITIS, RHEUMATOID, blood/ *ARTHRITIS, RHEUMATOID, immunology/ CHLOROQUINE, therapeutic use/ CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ GOLD, therapeutic use/ GOUT, immunology/ IGG/ IGM/ *IMMUNOGLOBULIN FRAGMENTS, analysis/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INDOMETHACIN, therapeutic use/ OSTEOARTHRITIS, immunology/ PYRAZOLES, therapeutic use/ RATS/ SPONDYLITIS, ANKYLOSING, immunology/ SYNOVIAL FLUID, analysis/ TUBERCULOSIS, OSTEOARTICULAR, immunology
1924. Kasugai T, Kuno N, Kizu M: Endoscopic pancreatocholangiography with special reference to manometric method. Med J Aust 2:717-25, 13 Oct 73
AUTOPSY/ *BILIARY TRACT DISEASES, radiography/ CATHETERIZATION/ *CHOLANGIOGRAPHY/ CHRONIC DISEASE/ DISGERMINOMA, radiography/ ENDOSCOPY/ HUMAN/ MANOMETRY/ MESOTHELIOMA, radiography/ METHODS/ NEOPLASM METASTASIS/ PANCREATIC CYST, radiography/ *PANCREATIC DISEASES, radiography/ PANCREATIC DUCTS, pathology/ *PANCREATIC DUCTS, radiography/ PANCREATIC NEOPLASMS, radiography/ PANCREATITIS, pathology/ PANCREATITIS, radiography/ RETROPERITONEAL NEOPLASMS, radiography
1925. Kato H, Kido Y, Torigoe T: Effect of arginine and arginine-glucose infusion on serum human chorionic gonadotropin response in postpartum women. Endocrinol Jap 20:417-9, Aug 73
*ARGININE, pharmacodynamics/ BLOOD SUGAR, analysis/ FEMALE/ *GLUCOSE, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ PREGNANCY/ *PUERPERIUM/ RADIOIMMUNOASSAY
1926. Kato H, Torigoe T: Rapid radioimmunoassay of human chorionic gonadotropin using a two-antibody system. Acta Obstet Gynaecol Jap 19:171-5, Jul 72
ANTIBODIES/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ GUINEA PIGS, immunology/ HUMAN/ METHODS/ *RADIOIMMUNOASSAY
1927. Kato J: [Progesterone-receptor] Clin Endocrinol (Tokyo) 21:821-30, Aug 73 (58 ref.) (Jap)
ANIMAL EXPERIMENTS/ CHEMISTRY/ CHICKENS/ ESTROGENS, physiology/ FEMALE/ OVIDUCTS, metabolism/ PREGNANCY/ PREGNANEDIONES, metabolism/ *PROGESTERONE, metabolism/ *RECEPTORS, HORMONE/ REVIEW/ UTERUS, metabolism
1928. Kato J, Onouchi T: 5Alpha-dihydrotestosterone "receptor" in the rat hypothalamus. Endocrinol Jap 20:429-32, Aug 73
ANDROGENS, analysis/ ANIMAL EXPERIMENTS/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, analysis/ HYPOTHALAMUS, analysis/ *HYPOTHALAMUS, metabolism/ MALE/ PROTEINS, analysis/ RATS/ *RECEPTORS, HORMONE/ *STANOLONE, metabolism/ TRITIUM/ ULTRACENTRIFUGATION
1929. Kato Y: [Recent study on the mechanism of action of

AUTHOR SECTION

- aspirin]
J Jap Stomatol Soc 40:278, Sep 73 (8 ref.) (Jap)
*ASPIRIN, pharmacodynamics/ BRADYKININ,
antagonists & inhibitors/ HUMAN/
PROSTAGLANDINS, biosynthesis/ REVIEW
1930. Katsman RF: Serotonin I glistamin kroví v klinice infarkta miokarda.
Kardiologija 13:38-44, Jan 73 (Rus)
ADULT/ AGED/ ENGLISH ABSTRACT/
FEMALE/ *HISTAMINE, blood/ HUMAN/
MALE/ MIDDLE AGE/ *MYOCARDIAL
INFARCT, blood/ *SEROTONIN, blood/ TIME
FACTORS
1931. Katz EP, Li ST: Structure and function of bone collagen fibrils. J Mol Biol 80:1-15, 15 Oct 73
ACHILLES TENDON, analysis/ ANIMAL
EXPERIMENTS/ *BONE AND BONES,
analysis/ *COLLAGEN, analysis/
COMPARATIVE STUDY/
CRYSTALLOGRAPHY/ DENTIN, analysis/
EXTRACELLULAR SPACE, analysis/
MATHEMATICS/ PROTEIN CONFORMATION/
RATS/ TAIL/ TIBIA/ X-RAY DIFFRACTION
1932. Katz FH, Beck P, Makowski EL: The renin-aldosterone system in mother and fetus at term.
Am J Obstet Gynecol 118:51-5, 1 Jan 74
ADULT/ ALDOSTERONE, biosynthesis/
*ALDOSTERONE, blood/ DIET, SALT-FREE/
FEMALE/ *FETUS, metabolism/ HUMAN/
LABOR/ MATERNAL-FETAL EXCHANGE/
POSTURE/ *PREGNANCY/ *RENIN, blood/
TIME FACTORS/ UMBILICAL CORD
1933. Katz S, Tenenhouse A: The relation of adenyl cyclase to the activity of other ATP utilizing enzymes and phosphodiesterase in preparations of rat brain; mechanism of stimulation of cyclic AMP accumulation by NaF. Br J Pharmacol 48:505-15, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE DIPHOSPHATE,
metabolism/ *ADENOSINE TRIPHOSPHATE,
metabolism/ *ADENYL CYCLASE, metabolism/
ANIMAL EXPERIMENTS/ *BRAIN,
enzymology/ CARBON RADIOISOTOPES/
CEREBRAL CORTEX, enzymology/
CHROMATOGRAPHY, ION EXCHANGE/
*FLUORIDES, pharmacodynamics/ IN VITRO/
*PHOSPHODIESTERASES, metabolism/ RATS/
SYNAPTIC MEMBRANES, metabolism/
THEOPHYLLINE, pharmacodynamics/ TIME
FACTORS
1934. Katz S, Tenenhouse A: The relation of adenyl cyclase to the activity of other ATP utilizing enzymes and phosphodiesterase in preparations of rat brain; mechanism of stimulation of cyclic AMP accumulation by adrenaline, ouabain and Mn++.
Br J Pharmacol 48:516-26, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE DIPHOSPHATE,
metabolism/ *ADENOSINE TRIPHOSPHATE,
metabolism/ *ADENYL CYCLASE, metabolism/
ANIMAL EXPERIMENTS/ *BRAIN,
enzymology/ CEREBRAL CORTEX,
metabolism/ EPINEPHRINE,
pharmacodynamics/ IN VITRO/ MAGNESIUM,
pharmacodynamics/ MANGANESE,
pharmacodynamics/ OUABAIN,
pharmacodynamics/ PHENOXYBENZAMINE,
pharmacodynamics/ *PHOSPHODIESTERASES,
metabolism/ PRONETHALOL,
pharmacodynamics/ RATS/ SYNAPTIC
MEMBRANES, metabolism
1935. Kauker ML: Micropuncture study of renal action of prostaglandin A₂ (PGA₂) in rats.
J Pharmacol Exp Ther 187:632-40, Dec 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CARBON RADIOISOTOPES/
GLOMERULAR FILTRATION RATE/
HEMATOCRIT/ INULIN, metabolism/
ISOTONIC SOLUTIONS/ *KIDNEY, drug
effects/ KIDNEY TUBULES, drug effects/
KIDNEY TUBULES, metabolism/ KIDNEY
TUBULES, DISTAL, drug effects/ KIDNEY
TUBULES, PROXIMAL, drug effects/ LOOP
OF HENLE, metabolism/ MALE/
- *PROSTAGLANDINS, pharmacodynamics/
RATS/ SODIUM, metabolism/ SODIUM
CHLORIDE, metabolism/ TIME FACTORS/
TRITIUM/ UREA, metabolism/ WATER,
metabolism
1936. Kaulla E von, Kaulla KN von: Deficiency of antithrombin 3 activity associated with hereditary thrombosis tendency. J Med (Basel) 3:349-58, 1972
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ *ANTITHROMBIN/ BLOOD
COAGULATION DISORDERS, complications/
*BLOOD COAGULATION DISORDERS, familial
& genetic/ CONTRACEPTIVES, ORAL,
pharmacodynamics/ DIATHESIS/ FEMALE/
HEPARIN, therapeutic use/ HUMAN/ LABOR
COMPLICATIONS, blood/ MALE/ MIDDLE
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PULMONARY EMBOLISM, familial & genetic/
RECURRENCE/ SURGERY, OPERATIVE,
adverse effects/ THROMBOEMBOLISM, familial
& genetic/ THROMBOPHLEBITIS, familial &
genetic/ THROMBOSIS, etiology/
*THROMBOSIS, familial & genetic/
THROMBOSIS, prevention & control/
WOUNDS AND INJURIES, complications
1937. Kawaguchi K, Ishidate K, Tagawa K:
Non-mitochondrial electron transfer system in anaerobically grown yeast cells.
J Biochem (Tokyo) 74:817-28, Oct 73
ANAEROBIOSIS/ ANTIMYCIN A,
pharmacodynamics/ CARBON MONOXIDE,
pharmacodynamics/ CHLORINE/
CYTOCHROME P-450, metabolism/ ELECTRON
TRANSPORT/ ERGOSTEROL, biosynthesis/
FLAVOPROTEINS, metabolism/ INDOPHENOL/
NADH, NADPH OXIDOREDUCTASES,
metabolism/ NADP, metabolism/ *OXYGEN/
OXYGEN CONSUMPTION/ PHOSPHOLIPIDS,
metabolism/ SACCHAROMYCES CEREVISIAE,
growth & development/ *SACCHAROMYCES
CEREVISIAE, metabolism
1938. Kawakami M, Kimura F, Konno T: Possible role of the medial basal preblasmatic area in the release of LH and prolactin in rats. Endocrinol Jap 20:335-44, Jun 73
ANIMAL EXPERIMENTS/ CASTRATION/
ELECTRIC STIMULATION/ ELECTRODES,
IMPLANTED/ ESTRADIOL, pharmacodynamics/
ESTRUS/ FEMALE/ FSH, analysis/ FSH,
blood/ *HYPOTHALAMUS, physiology/ LH,
analysis/ LH, blood/ *LH, secretion/
MEDULLA OBLONGATA, physiology/
PITUITARY GLAND, analysis/ PROLACTIN,
analysis/ PROLACTIN, blood/ *PROLACTIN,
secretion/ RADIOIMMUNOASSAY/ RATS
1939. Kawakami Y, Uchiyama K, Irie T, et al: Evaluation of aerosols of prostaglandins E₁ and E₂ as bronchodilators.
Eur J Clin Pharmacol 6:127-32, Aug 73
ADULT/ AEROSOLS/ AGED/ AIRWAY
RESISTANCE, drug effects/ ASTHMA, drug
therapy/ ASTHMA, physiology/ BLOOD
PRESSURE, drug effects/ BRONCHITIS, drug
therapy/ BRONCHITIS, physiology/
*BRONCHODILATOR AGENTS,
pharmacodynamics/ CARBON DIOXIDE, blood/
CLINICAL RESEARCH/ FEMALE/ HEART
RATE, drug effects/ HUMAN/ LUNG
COMPLIANCE, drug effects/ MALE/ MIDDLE
AGE/ OXYGEN, blood/ OXYGEN
CONSUMPTION, drug effects/
PLETHYSMOGRAPHY, WHOLE BODY/
*PROSTAGLANDINS, pharmacodynamics/
PROSTAGLANDINS, therapeutic use/ PULSE,
drug effects/ RESPIRATION, drug effects/
TIME FACTORS/ VENTILATION-PERFUSION
RATIO
1940. Kawashima K, Ueda R, Yoshikawa H, et al:
[Hypercalcemia in acute leukemia (author's transl)]
Jap J Clin Hematol 14:903-7, Aug 73 (Jap)
ADULT/ BONE RESORPTION/ ENGLISH
ABSTRACT/ HUMAN/ *HYPERCALCEMIA,
etiology/ *LEUKEMIA, complications/
LEUKEMIA, LYMPHOBLASTIC, complications/
LEUKEMIA, MYELOBLASTIC, complications/
MALE

AUTHOR SECTION

1941. Kaye CI, Fisher DE, Esterly NB: Cutis laxa, skeletal anomalies, and ambiguous genitalia.
Am J Dis Child 127:115-7, Jan 74
*ABNORMALITIES, MULTIPLE, blood/
APGAR SCORE/ AUTOPSY/ COPPER, blood/
*CUTIS LAXA, blood/ CUTIS LAXA,
pathology/ FINGERS, abnormalities/
GESTATIONAL AGE/ HUMAN/ INFANT,
NEWBORN/ KARYOTYPING/ MALE/
PANCREATOPEPTIDASE, antagonists &
Inhibitors/ RESPIRATORY INSUFFICIENCY/
SEX CHROMOSOMES/ *SEX
DIFFERENTIATION DISORDERS, blood/ SKIN,
pathology/ TRYPSIN INHIBITORS, blood
1942. Kaye M: The effects in the rat of varying intakes of dietary calcium, phosphorus, and hydrogen ion on hyperparathyroidism due to chronic renal failure.
J Clin Invest 53:256-69, Jan 74
ANIMAL EXPERIMENTS/ BONE
RESORPTION/ CALCIUM, blood/ *CALCIUM,
pharmacodynamics/ *DIET/ *HYDROGEN-ION
CONCENTRATION/ HYPERPARATHYROIDISM,
etiology/ *HYPERPARATHYROIDISM,
metabolism/ HYPERPARATHYROIDISM,
physiopathology/ KIDNEY FAILURE,
CHRONIC, complications/ KIDNEY FAILURE,
CHRONIC, physiopathology/ MALE/
NEPHRECTOMY/ ORGAN WEIGHT/
PARATHYROID GLANDS, physiopathology/
PHOSPHATES, blood/ *PHOSPHORUS,
pharmacodynamics/ RATS
1943. Kazeev KH, Postnikov DA: Vnenadpochechnikovye feokhromotsitomy.
Khirurgiya (Mosk) 49:138-40, Jun 73 (Rus)
ADOLESCENCE/ CHILD/ *CHROMAFFIN
SYSTEM/ FEMALE/ MALE/
*PHEOCHROMOCYTOMA, pathology/
*THORACIC NEOPLASMS, pathology
1944. Kazimierczuk Z, Shugar D: Preparative photochemical synthesis of isoguanosine ribo- and deoxyribonucleosides and nucleotides, and isoguanosine-3',5'-cyclic phosphate, a new cAMP analogue. Acta Biochim Pol 20:395-402, Aug 73
ALKALINE PHOSPHATASE/
CHROMATOGRAPHY, PAPER/ CYCLIC
N-OXIDES/ DEOXYRIBONUCLEOSIDES, chem
synthesis/ DEOXYRIBONUCLEOTIDES, chem
synthesis/ ESCHERICHIA COLI, enzymology/
*GUANINE NUCLEOTIDES, chem synthesis/
*GUANOSINE, chem synthesis/ GUANOSINE
CYCLIC 3',5' MONOPHOSPHATE, chem
synthesis/ HYDROGEN-ION CONCENTRATION/
KINETICS/ NUCLEOTIDASES/
PHOSPHODIESTERASES/ PHOTOCHEMISTRY/
QUANTUM THEORY/ SNAKES/
SPECTROPHOTOMETRY, ULTRAVIOLET/
VENOMS
1945. Keates RA: Cyclic nucleotide-independent protein kinase from pea shoots.
Biochem Biophys Res Commun 54:655-61, 18 Sep 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ CASEIN/ CATTLE/
CHROMATOGRAPHY, DEAE-CELLULOSE/
COMPARATIVE STUDY/ CYTOSOL,
enzymology/ ELECTROPHORESIS, PAPER/
GUANOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ HISTONES/
HYDROGEN-ION CONCENTRATION/ INOSINE
NUCLEOTIDES, pharmacodynamics/ KINETICS/
*NUCLEOTIDES, CYCLIC, pharmacodynamics/
ORGANOPHOSPHORUS COMPOUNDS, isolation
& purification/ PHOSPHOPROTEINS/
PHOSPHORUS RADIOISOTOPES/ PLANTS,
analysis/ PLANTS, cytology/ PLANTS, drug
effects/ *PLANTS, enzymology/ *PROTEIN
KINASE, metabolism/ SERINE, isolation &
purification/ SERUM ALBUMIN, BOVINE/
SUBCELLULAR FRACTIONS, enzymology/
THYMUS GLAND
1946. Kecskesti V, Kelemen K, Knoll J: Effect of prostaglandin E1 on the cardiac transmembrane potentials. Eur J Pharmacol 24:289-95, Dec 73
ACTION POTENTIALS, drug effects/ ANIMAL
EXPERIMENTS/ CATS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ GUINEA PIGS/
HEART, drug effects/ *HEART, physiology/
HEART ATRIUM, drug effects/ HEART
VENTRICLE, drug effects/ IN VITRO/
KINETICS/ *MEMBRANE POTENTIALS, drug
effects/ NEUROMUSCULAR DEPOLARIZING
AGENTS, pharmacodynamics/
*PROSTAGLANDINS, pharmacodynamics/
RABBITS/ RATS/ SPECIES SPECIFICITY
1947. Keeler C: Taurodont molars and shovel incisors in Klinefelter's syndrome. J Hered 64:234-6, Jul-Aug 73
ADOLESCENCE/ ADULT/ BODY HEIGHT/
BODY WEIGHT/ EVOLUTION/ HISTORY OF
MEDICINE, ANCIENT/ HUMAN/ *INCISOR,
pathology/ INTELLIGENCE TESTS/
KLINEFELTER'S SYNDROME, occurrence/
*KLINEFELTER'S SYNDROME, pathology/
MALE/ *MOLAR, pathology/
PALEONTOLOGY/ RACIAL STOCKS/
*TOOTH ABNORMALITIES, pathology
1948. Keeton JE, Leary DJ Jr: Single ectopic ureter in the male. Urology 2:53-6, Jul 73
ADULT/ CHILD/ CRYPTORCHISM,
complications/ EPIDIDYMITIS, etiology/
HUMAN/ KIDNEY, abnormalities/ MALE/
NEPHRECTOMY/ SEMINAL VESICLES,
abnormalities/ SEMINAL VESICLES, surgery/
*URETER, abnormalities/ URETER, surgery/
URETHRA, abnormalities/ URINARY TRACT
INFECTIONS, etiology/ UROGRAPHY
1949. Keim HA: Scoliosis. Clin Symp 24:2-32, 1972
AGE FACTORS/ ARACHNODACTYL,
complications/ ARTHRITIS, RHEUMATOID,
complications/ BRACES/ CASTS, SURGICAL/
FEMALE/ HUMAN/ MALE/
NEUROFIBROMATOSIS, complications/
NEUROMUSCULAR DISEASES, complications/
OSTEOGENESIS IMPERFECTA, complications/
RADIATION INJURIES, complications/ RIBS,
abnormalities/ *SCOLIOSIS/ SCOLIOSIS,
congenital/ SCOLIOSIS, etiology/ SCOLIOSIS,
familial & genetic/ SCOLIOSIS, radiography/
SCOLIOSIS, surgery/ SCOLIOSIS, therapy/
SEX FACTORS/ SPINAL FUSION/ SPINAL
INJURIES, complications/ SPINE,
abnormalities/ SPINE, anatomy & histology/
TRACTION
1950. Keirns JJ, Kreiner FW, Bitensky MW: An abrupt temperature-dependent change in the energy of activation of hormone-stimulated hepatic adenyl cyclase. J Supramol Struct 1:368-79, 1973
*ADENYL CYCLASE, metabolism/ ALCOHOL,
PROPYL, pharmacodynamics/ ALKALINE
PHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ BINDING SITES/ CARBON
RADIOISOTOPES/ CELL MEMBRANE, drug
effects/ CELL MEMBRANE, enzymology/
ENZYME ACTIVATION/ *EPINEPHRINE,
pharmacodynamics/ FEMALE/ FLUORIDES,
pharmacodynamics/ *GLUCAGON,
pharmacodynamics/ KINETICS/ LIVER,
cytology/ LIVER, drug effects/ *LIVER,
enzymology/ PROSTAGLANDINS,
pharmacodynamics/ PROTEIN BINDING/
RATS/ TEMPERATURE/ THERMODYNAMICS/
TRITIUM
1951. Kelami A, Fielder U, Walden M, et al: Nephropexy and orchipexy using tissue adhesive.
Invest Urol 11:303-7, Jan 74
ADULT/ ANIMAL EXPERIMENTS/
*CYANOACRYLATES, adverse effects/
CYANOACRYLATES, pharmacodynamics/
*GRANULATION TISSUE/ HUMAN/
INFLAMMATION/ KIDNEY, drug effects/
KIDNEY, pathology/ *KIDNEY, surgery/
MALE/ METHODS/ RABBITS/ TESTIS, drug
effects/ TESTIS, pathology/ *TESTIS, surgery/
TIME FACTORS/ URETER, drug effects
1952. Kellen JA: Failure of metopirone to protect rats from adrenal hypertension induced by 7,12-dimethylbenz (alpha) anthracene. Oncology 28:299-305, 1973
*ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ *BENZANTHRACENES/
FEMALE/ HYPERPLASIA, chemically induced/
HYPERPLASIA, prevention & control/

AUTHOR SECTION

- *HYPERTENSION, chemically induced/
HYPERTENSION, prevention & control/
HYPERTROPHY, prevention & control/
MAMMARY NEOPLASMS, EXPERIMENTAL,
chemically induced/ *METYRAPONE,
therapeutic use/ RATS
1953. Kellen JA: Induction of rat mammary tumours in altered iodine metabolism. *Oncology* 28:269-73, 1973
ANIMAL EXPERIMENTS/
BENZANTHRACENES/ COLD/ FEMALE/
*IODINE/ *MAMMARY NEOPLASMS,
EXPERIMENTAL, chemically induced/ RATS/
*THYROID GLAND, secretion/ TIME
FACTORS/ WATER
1954. Kellett RJ: Primary abdominal (peritoneal) pregnancy. *J Obstet Gynaecol Br Commonw* 80:1102-5, Dec 73
ADULT/ AUTOPSY/ FALLOPIAN TUBES,
pathology/ FEMALE/ HUMAN/ OVARY,
pathology/ *PERITONEUM, pathology/
PLACENTA, pathology/ PREGNANCY/
*PREGNANCY, ABDOMINAL, pathology/
*UTERUS, pathology
1955. Kelley GL, Hammond DM: Fine structural aspects of nuclear division and merogony of *Elmerla ninkohyakkimovae* in cultured cells. *J Parasitol* 59:1071-9, Dec 73
CELL DIVISION/ CELL NUCLEUS/ CELLS,
CULTURED/ *EIMERIA, cytology/ EIMERIA,
growth & development/ GOLGI APPARATUS/
KIDNEY/ MICROSCOPY, ELECTRON/
MICROTUBULES/ MITOCHONDRIA/
PHOSPHOTUNGSTIC ACID/ SHEEP/ STAINS
AND STAINING/ THYROID GLAND/
TRACHEA
1956. Kellher GJ, Glenn TM: Effect of prostaglandin E1 on ouabain-induced arrhythmia. *Eur J Pharmacol* 24:410-4, Dec 73
ANIMAL EXPERIMENTS/ *ARRHYTHMIA,
chemically induced/ BLOOD PRESSURE, drug
effects/ CATS/ HEART RATE, drug effects/
OUABAIN/ *OUABAIN, antagonists &
inhibitors/ *PROSTAGLANDINS,
pharmacodynamics/ TIME FACTORS
1957. Kelly AJ, Boman A: Correspondence: Anaphylaxis under anaesthesia. *Anaesth Intensive Care* 1:332-3, May 73
ADULT/ *ANAPHYLAXIS, chemically induced/
ANAPHYLAXIS, therapy/ *ANESTHESIA,
INTRAVENOUS, adverse effects/
BICARBONATES, therapeutic use/
DEXAMETHASONE, therapeutic use/ *DRUG
HYPERSENSITIVITY, etiology/ DRUG
HYPERSENSITIVITY, therapy/ FEMALE/
*GALLAMINE TRIETHIODIDE,
adverse effects/ HUMAN/ INFUSIONS,
PARENTAL/ INTUBATION,
INTRATRACHEAL/ METARAMINOL,
therapeutic use/ PROMETHAZINE, therapeutic
use/ SODIUM, therapeutic use/
THIOPENTAL, adverse effects
1958. Kelly J, Flynn AM, Bertrand PV: A comparison of oral prostaglandin E2 and intravenous Syntocinon in the induction of labour. *J Obstet Gynaecol Br Commonw* 80:923-6, Oct 73
ADMINISTRATION, ORAL/ ADULT/
COMPARATIVE STUDY/ DIARRHEA,
chemically induced/ FEMALE/ FETUS, drug
effects/ GESTATIONAL AGE/ HEART RATE,
drug effects/ HUMAN/ INJECTIONS,
INTRAVENOUS/ *LABOR, INDUCED/
*OXYTOCIN, administration & dosage/
OXYTOCIN, therapeutic use/ PREGNANCY/
*PROSTAGLANDINS, administration & dosage/
PROSTAGLANDINS, therapeutic use/ TIME
FACTORS/ UTERUS, drug effects/
VOMITING, chemically induced
1959. Kelly RW: Method for the measurement of prostaglandin F2alpha in biological fluids by gas chromatography-mass spectrometry. *Anal Chem* 45:2079-82, Oct 73
ANIMAL EXPERIMENTS/ BODY FLUIDS,
analysis/ *CHROMATOGRAPHY, GAS/
HUMAN/ METHODS/ *PROSTAGLANDINS,
analysis/ PROSTAGLANDINS, blood/
PROSTAGLANDINS, urine/ SEMEN, analysis/
SHEEP/ *SPECTRUM ANALYSIS, MASS
1960. Kelstrup J: Free and total thyroxine in serum. Ranges and sex differences for selected normals, patients with thyroid disease, and pregnant women. *Scand J Clin Lab Invest* 32:227-31, Nov 73
ADULT/ FEMALE/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ MALE/ MIDDLE
AGE/ PREGNANCY/ PROTEIN-BOUND
IODINE TEST/ SEX FACTORS/ *THYROXINE,
blood
1961. Keminger: Immunthyreoiditis und Struma mal. im Kropfendemiegebiet vom Gesichtspunkt des Chirurgen aus. *Acta Endocrinol [Suppl] (Khh)* 88, 1973 (Ger)
DIAGNOSTIC ERRORS/ FOLLOW-UP
STUDIES/ HUMAN/ *THYROID NEOPLASMS,
diagnosis/ THYROID NEOPLASMS, therapy/
*THYROIDITIS, diagnosis/ THYROIDITIS,
therapy
1962. Kemp RG, Duquesnoy RJ: Thymus adenylate cyclase activity during murine leukemogenesis. *Science* 183:218-9, 18 Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
hiosynthesis/ ADENOSINE TRIPHOSPHATE,
metabolism/ *ADENYL CYCLASE, metabolism/
AGE FACTORS/ ANIMAL EXPERIMENTS/
ENZYME ACTIVATION/ EPINEPHRINE,
pharmacodynamics/ *LEUKEMIA,
LYMPHOCYTIC, enzymology/ LEUKEMIA,
LYMPHOCYTIC, pathology/ MICE/ MICE,
INBRED AKR/ MICE, INBRED CBA/
PHOSPHORUS RADIOISOTOPES/
STIMULATION, CHEMICAL/ *THYMUS
GLAND, enzymology/ THYMUS GLAND,
pathology
1963. Kenney FT, Lee KL, Stiles CD, et al: Further evidence against post-transcriptional control of inducible tyrosine aminotransferase synthesis in cultured hepatoma cells. *Nature [New Biol]* 246:208-10, 19 Dec 73
ADENOSINE, metabolism/ CARBON
RADIOISOTOPES/ CELLS, CULTURED/
DACTINOMYCIN, pharmacodynamics/
DEOXYADENOSINE, pharmacodynamics/
ENZYME INDUCTION, drug effects/ ENZYME
REPRESSION, drug effects/ HEPATOMA/
HYDROCORTISONE, antagonists & inhibitors/
HYDROCORTISONE, pharmacodynamics/
KINETICS/ LEUCINE, metabolism/ RNA,
MESSINGER, hiosynthesis/ RNA, RIBOSOMAL,
hiosynthesis/ *TRANSCRIPTION, GENETIC/
TRITIUM/ *TYROSINE AMINOTRANSFERASE,
hiosynthesis
1964. Kentala E: Klinis-patologinen kokousselostus. IX. Lihashelkkous ja ihoturvotus. *Duodecim* 89:831-42, 1973 (Fin)
ADENOCARCINOMA, diagnosis/
*ADENOCARCINOMA, pathology/
AMYLOIDOSIS, diagnosis/ BIOPSY/ CASE
REPORT/ DERMATOMYOSITIS, diagnosis/
*DERMATOMYOSITIS, pathology/ DIAGNOSIS,
DIFFERENTIAL/ EDEMA, pathology/
*ENDOMETRIOSIS, pathology/ FEMALE/
HUMAN/ MIDDLE AGE/ MUSCLES,
pathology/ NEOPLASM METASTASIS/
OVARIAN NEOPLASMS, diagnosis/ *OVARIAN
NEOPLASMS, pathology/
PHEOCHROMOCYTOMA, diagnosis/
RETROPERITONEAL NEOPLASMS, diagnosis/
*RETROPERITONEAL NEOPLASMS, pathology/
SKIN, pathology/ SKIN DISEASES, diagnosis
1965. Kerl H, Klein G, Sandhofer M: Zur Therapie sogenannter Kollagen- und Autoimmunkrankheiten. *Wien Klin Wochenschr* 85:769-74, 23 Nov 73 (Ger)
ADOLESCENCE/ ADULT/ AMINO BENZOIC
ACID, therapeutic use/ AZATHIOPRINE,
therapeutic use/ CHLOROQUINE, therapeutic
use/ CYCLOPHOSPHAMIDE, therapeutic use/
*DERMATOMYOSITIS, drug therapy/
DEXTRAN, therapeutic use/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/

AUTHOR SECTION

- INDOMETHACIN, therapeutic use/ *LUPUS ERYTHEMATOSUS, systemic, drug therapy/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NORETHINDRONE, therapeutic use/ PENICILLAMINE, therapeutic use/ PREGNANES, therapeutic use/ SCLERODERMA, CIRCUMSCRIBED, drug therapy/ *SCLERODERMA, systemic, drug therapy
1966. Kern D, Schirren C: Ergebnisse der Behandlung von subfertilen Männern mit Clomiphenzitrat. *Andrologie* 5:59-72, 1973 (Ger)
CELL COUNT/ CELL MOVEMENT, drug effects/ CELL SURVIVAL, drug effects/ CLOMIPHENE, pharmacodynamics/ *CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FRUCTOSE, metabolism/ HUMAN/ MALE/ PREGNANCY/ SEMEN, metabolism/ *SPERMATOGENESIS, drug effects/ *SPERMATOZOA, drug effects/ *STERILITY, MALE, drug therapy/ STIMULATION, CHEMICAL
1967. Kerrick WG, Best PM: Calcium ion release in mechanically disrupted heart cells. *Science* 183:435-7, 1 Feb 74
ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CHELATING AGENTS/ MONKEYS/ MYOCARDIUM, cytology/ *MYOCARDIUM, metabolism/ RATS/ *SARCOPLASMIC RETICULUM, metabolism/ SODIUM, pharmacodynamics/ STIMULATION, CHEMICAL
1968. Kesänlemlä YA, Kurppa KO, Salaspuro MP: Comparison of intravenous and peroral galactose elimination tests with and without ethanol in different clinical conditions. *Scand J Gastroenterol* 8:593-8, 1973
ADMINISTRATION, ORAL/ ADULT/ AGED/ ALCOHOL, ETHYL, pharmacodynamics/ COMPARATIVE STUDY/ FEMALE/ GALACTOSE, administration & dosage/ *GALACTOSE, diagnostic use/ GALACTOSE, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ INJECTIONS, INTRAVENOUS/ LIVER CIRRHOSIS, metabolism/ *LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ PREGNANCY/ PROTEIN DEFICIENCY, metabolism
1969. Keysell GR, Booth J, Grover PL, et al: The formation of "K-region" epoxides as hepatic microsomal metabolites of 7-methylbenz(a)anthracene and 7,12-dimethylbenz(a)anthracene and their 7-hydroxymethyl derivatives. *Biochem Pharmacol* 22:2853-67, 15 Nov 73
ADRENAL GLAND DISEASES, chemically induced/ ALCOHOL, METHYL, biosynthesis/ ANIMAL EXPERIMENTS/ *BENZANTHRACENES, metabolism/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ ETHERS, CYCLIC/ *ETHERS, CYCLIC, biosynthesis/ GEL FILTRATION/ GLUTATHIONE, biosynthesis/ GUANINE NUCLEOTIDES, metabolism/ HYDROLASES, metabolism/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ NADH, NADPH OXIDOREDUCTASES, metabolism/ NECROSIS, chemically induced/ PHENOLS, metabolism/ RATS/ TRITIUM
1970. Khadapkar SV, Chavan BG, Bhide SV: Studies on the radioactivity in glycogen from mice treated with 35S-labelled thioacetamide. *Chem Biol Interact* 7:189-94, Sep 73
*ACETAMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BENZOPYRENES, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ DNA, metabolism/ *GLYCOGEN, metabolism/ KIDNEY, metabolism/ LIVER GLYCOGEN, metabolism/ LUNG, metabolism/ MALE/ MICE/ MUSCLES, metabolism/ PROTEINS, metabolism/ RNA, metabolism/ SULFIDES, pharmacodynamics/ SULFUR RADIOISOTOPES/ THIOACETAMIDE, metabolism/ THIOACETAMIDE, pharmacodynamics/ THIOUREA, metabolism/ TIME FACTORS/ TRITIUM/ URETHANE, metabolism
1971. Khandwekar PV, Deshpande MK, Nath N, et al: Ascorbic acid metabolism in castrated rats. *Metabolism* 22:1485-9, Dec 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID/ ASCORBIC ACID, blood/ *ASCORBIC ACID, metabolism/ ASCORBIC ACID, urine/ CARBOXY-LYASES, metabolism/ *CASTRATION/ ESTERASES, metabolism/ KETONES/ KETOSES, metabolism/ *KIDNEY, enzymology/ *LIVER, enzymology/ MALE/ RATS/ SUGAR ACIDS/ SUGAR ACIDS, metabolism
1972. Khanna OP, Nedwich A, Gonick P: Accelerated hypertension due to intramural dissection of accessory renal artery. *Urology* 1:130-3, Feb 73
ADULT/ *ANEURYSM, complications/ ANEURYSM, diagnosis/ ANEURYSM, surgery/ ANGIOGRAPHY/ HEMORRHAGE, pathology/ HUMAN/ HYPERTENSION, RENAL, diagnosis/ *HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, pathology/ HYPERTENSION, RENAL, surgery/ INFARCTION, radiography/ KIDNEY, pathology/ KIDNEY, radiography/ KIDNEY FUNCTION TESTS/ MALE/ NEPHRECTOMY/ RENAL ARTERY, radiography/ *RENAL ARTERY, surgery/ RENAL ARTERY OBSTRUCTION, radiography/ RENIN, blood/ UROGRAPHY
1973. Kheifets SN, Perfil'eva GN: Pokazateli mikrotsirkulatsionnogo gemostaza u hol'nykh s disfunktsional'nymi matochnymi krvotocheniyami. *Akush Ginekol (Mosk)* 49:45-9, May 73 (Rus)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ *HEMOSTASIS/ HUMAN/ *MICROCIRCULATION, physiology/ OVARY, physiology/ PLATELET ADHESIVENESS/ *UTERINE HEMORRHAGE, physiology/ *UTERUS, blood supply
1974. Khara KS: Teratogenic effects of methylmercury in the cat: note on the use of this species as a model for teratogenicity studies. *Teratology* 8:293-303, Dec 73
*ABNORMALITIES, DRUG-INDUCED, etiology/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BRAIN CHEMISTRY/ *CATS/ CHLORIDES/ *DISEASE MODELS, ANIMAL/ ESTRUS, drug effects/ FEMALE/ FETUS, analysis/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ MATERNAL-FETAL EXCHANGE/ MERCURY, analysis/ MERCURY, blood/ METHYL MERCURY COMPOUNDS, administration & dosage/ *METHYL MERCURY COMPOUNDS, toxicity/ OVULATION, drug effects/ PREGNANCY
1975. Khlavanani R, al-Sarraf M: The association of autoimmune thrombocytopenia and Hodgkin's disease. *Oncology* 28:238-45, 1973
ADULT/ AUTOANTIBODIES, analysis/ *AUTOIMMUNE DISEASES, complications/ COMPLEMENT FIXATION TESTS/ CYCLOPHOSPHAMIDE, therapeutic use/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ ISOANTIBODIES, analysis/ MALE/ PREDNISONE, therapeutic use/ REMISSION/ SPLENECTOMY/ *THROMBOPENIA, complications/ THROMBOPENIA, drug therapy/ THROMBOPENIA, immunology/ THROMBOPENIA, therapy/ THROMBOPLASTIN
1976. Khint EK, Taigro VI, Purde MK, et al: O nekotorykh funktsional'nykh osobennostyakh polovoi sistemy, predstavlyayushchikh vozniknoveniye opukholei molochnoi zhelezy. *Akush Ginekol (Mosk)* 49:46-8, Mar 73 (Rus)
*ADENOFIBROMA, physiology/ ADULT/ *BREAST NEOPLASMS, physiology

AUTHOR SECTION

- FEMALE/ *GENITALIA, FEMALE, physiology/ HUMAN/ LACTATION/ MENSTRUATION/ *PRECANCEROUS CONDITIONS, physiology/ PREGNANCY/ REPRODUCTION/ RETROSPECTIVE STUDIES/ SEX BEHAVIOR
1977. Khmel'ko AG: Vplyv kortykosteroidiv na vmist depolimeraz nukleinovyykh kyslot bolovnoho mozku, sertsevoho i skeletnoho m'язiv krolyka pisla vplyvu elektrychnoho strumu. *Fiziol Zh* 19:357-61, May-Jun 73 (Ukr)
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BRAIN, enzymology/ *DEOXYRIBONUCLEASE, analysis/ ELECTROSHOCK/ ENGLISH ABSTRACT/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ RABBITS/ *RIBONUCLEASE, analysis/ *STRESS
1978. Khocheva AI, Vasil'eva AN: Funktsional'noe sostoyanie kory nadpochechnikov u bol'nykh virusnym gepatitom. *Klin Med (Mosk)* 51:91-5, May 73 (Rus)
ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, physiology/ HEPATITIS, INFECTIOUS, blood/ *HEPATITIS, INFECTIOUS, physiology/ HUMAN
1979. Khomutovskii OA, Starovoltov VO: Vyvchennia lokalizatsii i transportu katuniv u tkanyakh iz zastosuvanniam piroantymonotnoho metodu. *Ukr Biokhim Zh* 45:413-8, Jul-Aug 73 (Ukr)
ANIMAL EXPERIMENTS/ *ANTIMONY/ BIOLOGICAL TRANSPORT/ CALCIUM, analysis/ CALCIUM, metabolism/ CATIONS, DIVALENT, analysis/ *CATIONS, DIVALENT, metabolism/ CATIONS, MONOVALENT, analysis/ *CATIONS, MONOVALENT, metabolism/ CHICKENS/ ENGLISH ABSTRACT/ MAGNESIUM, analysis/ MAGNESIUM, metabolism/ METHODS/ PEROXIDES/ SODIUM, analysis/ SODIUM, metabolism/ *STOMACH, metabolism
1980. Khudr G, Walsh PC, Benirschke K: Quinacrine fluorescence of testicular tumors. *Urology* 2:182-4, Aug 73
DISGERMINOMA, familial & genetic/ HUMAN/ MALE/ MICROSCOPY, FLUORESCENCE/ *SEX CHROMOSOMES/ TERATOID TUMOR, familial & genetic/ *TESTICULAR NEOPLASMS, familial & genetic/ TESTIS, cytology
1981. Khussar IuP, Tokin IB: Reaktivnye izmeneniia limfoldnoi tkani timusa i limfaticheskogo uzla u adrenaléktomirovannykh kryss posle inkorporatsii tsezilla-137. *Biokh Nauki* 112:64-9, 1973 (Rus)
ADMINISTRATION, ORAL/ *ADRENAL GLANDS, physiology/ ADRENAL GLANDS, transplantation/ ANIMAL EXPERIMENTS/ CESIUM ISOTOPES, administration & dosage/ *LYMPH NODES, radiation effects/ *LYMPHOID TISSUE, radiation effects/ MALE/ *RADIATION EFFECTS/ RATS/ *THYMUS GLAND, radiation effects/ TRANSPLANTATION, AUTOLOGOUS
1982. Kida T, Sato Z: [Lingual thyroid: with special reference to clinical experience in 6 cases] *Jap J Clin Radiol* 18:817-23, Sep 73 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ *CRETINISM, complications/ FEMALE/ HUMAN/ RADIOISOTOPE SCANNING/ *THYROID GLAND, abnormalities/ THYROID GLAND, radiography/ *TONGUE, abnormalities
1983. Kidess E, Herschlein HJ, Kunz S: Untersuchungen über die fibrinolytische Aktivität und das Alpha-1-Antitrypsin des menschlichen Ovars und des Ovarialkarzinoms sowie bei Blasenmolen. *Med Welt* 24:1406-7, Sep 73 (Ger)
FEMALE/ *FIBRINOLYSIS/ HUMAN/ *HYDATIDIFORM MOLE, enzymology/ OVARIAN CYSTS, enzymology/ *OVARIAN NEOPLASMS, enzymology/ *OVARY, enzymology/ *TRYPSIN INHIBITORS, metabolism
1984. Kierszenbaum AL, Tres LL: Nucleolar and perichromosomal RNA synthesis during meiotic prophase in the mouse testis. *J Cell Biol* 60:39-53, Jan 74
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CELL DIVISION/ CELL NUCLEOLUS, metabolism/ CHROMATOGRAPHY, PAPER/ HISTOCYTOCHEMISTRY/ MALE/ *MEIOSIS/ MONKEYS/ *RNA, biosynthesis/ SERTOLI CELLS, cytology/ SERTOLI CELLS, metabolism/ SEX CHROMOSOMES, metabolism/ TESTIS, cytology/ *TESTIS, metabolism/ TIME FACTORS/ TRANSCRIPTION, GENETIC/ TRITIUM/ URIDINE, metabolism
1985. Kiliańska Z, Klyszejko-Stefanowicz L: Biologiczna rola białek niehistonowych chromatyny. *Postepy Biochem* 19:533-57, Nov 73 (Pol)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ CATTLE/ *CHROMATIN, metabolism/ CHROMATIN, physiology/ CHROMOSOMES, metabolism/ DNA REPLICATION/ GENES, REGULATOR/ GUINEA PIGS/ HETEROCHROMATIN, metabolism/ HISTONES/ LYMPH NODES, drug effects/ MICE/ PLANT AGGLUTININS, pharmacodynamics/ PROTEINS, biosynthesis/ *PROTEINS, metabolism/ PROTEINS, physiology/ RATS/ RNA, biosynthesis/ TRANSCRIPTION, GENETIC
1986. Kille JW, Dammer CE: The influence of oviducal fluid on the development of one-cell rabbit embryos in vitro. *J Reprod Fertil* 35:415-23, Dec 73
ANIMAL EXPERIMENTS/ BLASTOCYST/ *BODY FLUIDS/ BODY FLUIDS, analysis/ CELLS, CULTURED/ *EMBRYO, growth & development/ ESTRUS/ *FALLOPIAN TUBES/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HEAT/ MITOSIS/ MUCIN/ OVULATION, drug effects/ PRESERVATION, BIOLOGICAL/ PSEUDOPREGNANCY/ RABBITS/ STIMULATION, CHEMICAL/ TIME FACTORS
1987. Killian DB, Garverick HA, Day BN: Periperal plasma progesterone and corticoid levels at parturition in the sow. *J Anim Sci* 37:1371-5, Dec 73
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ FEMALE/ GEL FILTRATION/ *GLUCOCORTICIDS, blood/ *LABOR/ METHODS/ PREGNANCY/ *PROGESTERONE, blood/ PROTEIN BINDING/ *SWINE, physiology/ TRITIUM
1988. Kim HW: [Relationship between stress and adrenal glands] *J Korean Res Soc Dent Hypr* 1:44-5, 1972 (Kor)
ADRENAL GLANDS/ SPECIAL LIST DENTAL/ STRESS, PSYCHOLOGICAL
1989. Kimmel CA, Wilson JG: Skeletal deviations in rats: malformations or variations? *Teratology* 8:309-15, Dec 73
*ABNORMALITIES, DRUG-INDUCED/ ACETAZOLAMIDE, toxicity/ *BONE AND BONES, abnormalities/ BONE AND BONES, anatomy & histology/ DACTINOMYCIN, toxicity/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RATS/ RIBS, abnormalities/ SALICYLATES, toxicity/ SPINE, abnormalities/ STERNUM, abnormalities/ *VARIATION (GENETICS)
1990. Kimura H, Murad F: Nonenzymatic formation of guanosine 3':5'-monophosphate from guanosine triphosphate. *J Biol Chem* 249:329-31, 10 Jan 74
ANIMAL EXPERIMENTS/ BARIUM/ CALCIUM/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ *GUANOSINE TRIPHOSPHATE/ HEAT/ HYDROGEN-ION CONCENTRATION/ IODINE RADIOISOTOPES/ KINETICS/ LOBSTERS/ MAGNESIUM/ MANGANESE/ MUSCLES, enzymology/ PHOSPHOCREATINE/ PROTEIN KINASE/

AUTHOR SECTION

RADIOIMMUNOASSAY/ SOLUBILITY/ TIME
FACTORS/ TRITIUM/ ZINC

1991. Kimura K, Takasawa T, Kudo T, et al: [Objective evaluation of a new minor tranquilizer D-40 TA as pre-anesthetic medication--with adrenal cortex function as an indicator]
Jap J Anesthesiol 22:802-8, Aug 73 (Jap)
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ ADULT/ AGED/ *BENZAZEPINES, pharmacodynamics/ CLINICAL RESEARCH/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PLACEBOS/ *PREANESTHETIC MEDICATION/ *TRANQUILIZING AGENTS, pharmacodynamics/ TRIAZOLES, pharmacodynamics
1992. Kimura M, Itokawa Y, Tanaka C: Thiamine accumulation induced by L-5-hydroxy-tryptophan in rat brain. Jap J Pharmacol 23:595-7, Aug 73
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CATECHOLAMINES, analysis/ DOPA, metabolism/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ RATS/ SEROTONIN, analysis/ THIAMINE, analysis/ *THIAMINE, metabolism
1993. Kindler J, Möllmann H: Einfluß von p-Chlorphenylalanin auf Hoden- und Nebenhodenplasmalogene von Ratten. Andrologie 4:299-308, 1972 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ EPIDIDYMS, drug effects/ *EPIDIDYMS, metabolism/ FRUCTOSE, metabolism/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY, FLUORESCENCE/ OXYGEN CONSUMPTION/ *PLASMALOGENS, metabolism/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism
1994. King DB, King CR: Thyroidal influence on early muscle growth of chickens. Gen Comp Endocrinol 21:517-29, Dec 73
ACTIN, analysis/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CHICKENS, physiology/ DNA, analysis/ LEG/ MUSCLE PROTEINS, analysis/ *MUSCLES, growth & development/ ORGAN WEIGHT/ *THYROID GLAND, physiology/ THYROXINE, pharmacodynamics
1995. King H, Haenszel W: Cancer mortality among foreign- and native-born Chinese in the United States. J Chronic Dis 26:623-46, Oct 73
ADOLESCENCE/ ADULT/ AGED/ BILIARY TRACT/ BREAST NEOPLASMS, mortality/ CHILD/ CHILD, PRESCHOOL/ CHINA/ COMPARATIVE STUDY/ ESOPHAGEAL NEOPLASMS, mortality/ FEMALE/ HUMAN/ INFANT/ INTESTINAL NEOPLASMS, mortality/ LEUKEMIA, mortality/ LIVER NEOPLASMS, mortality/ LUNG NEOPLASMS, mortality/ LYMPHOSARCOMA, mortality/ MALE/ MIDDLE AGE/ NASOPHARYNGEAL NEOPLASMS, mortality/ *NEOPLASMS, mortality/ OVARIAN NEOPLASMS, mortality/ PROSTATIC NEOPLASMS, mortality/ RECTAL NEOPLASMS, mortality/ STOMACH NEOPLASMS, mortality/ UNITED STATES/ UTERINE NEOPLASMS, mortality
1996. King JO, Denborough MA: Anesthetic-induced malignant hyperpyrexia in children. J Pediatr 83:37-40, Jul 73
*ANESTHESIA, GENERAL, adverse effects/ BLEPHAROPTOSIS, complications/ CHILD, PRESCHOOL/ CREATINE KINASE, blood/ CRYPTORCHISM, complications/ DENTITION/ EAR, EXTERNAL, abnormalities/ EYELIDS, abnormalities/ FACIAL EXPRESSION/ HUMAN/ KYPHOSIS, complications/ LORDOSIS, complications/ LUMBAR VERTEBRAE/ MALE/ *MALIGNANT HYPERTHERMIA/ MANDIBLE, abnormalities/ *MUSCULAR DISEASES, complications/ MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, enzymology/ SOMATOTYPES/ THORACIC VERTEBRAE/ THORAX, abnormalities
1997. Kingborn JR, Pateman JA: NAD and NADP-l-glutamate dehydrogenase activity and ammonium regulation in Aspergillus nidulans. J Gen Microbiol 78:39-46, Sep 73
ALLELES/ *AMMONIA, pharmacodynamics/ *ASPERGILLUS, enzymology/ ASPERGILLUS NIDULANS, drug effects/ ASPERGILLUS NIDULANS, enzymology/ ASPERGILLUS NIDULANS, metabolism/ CULTURE MEDIA/ ENZYME REPRESSION/ *GLUTAMATE DEHYDROGENASE, analysis/ GLUTAMATES, metabolism/ LINKAGE (GENETICS)/ MUTATION/ NAD/ NADP/ NITRATE REDUCTASES, analysis/ NITROGEN, metabolism/ PEPTIDE HYDROLASES, analysis/ THIOUREA, metabolism/ XANTHINE OXIDASE, analysis
1998. Kinlough-Rathbone RL, Chahli A, Mustard JF: Divalent cations and the release reaction of pig platelets. Am J Physiol 226:235-9, Jan 74
*ADENINE NUCLEOTIDES, secretion/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, secretion/ *CALCIUM, pharmacodynamics/ COLLAGEN, pharmacodynamics/ EDTA, pharmacodynamics/ IN VITRO/ *MAGNESIUM, pharmacodynamics/ PLATELET ADHESIVENESS, drug effects/ *SEROTONIN, secretion/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ SWINE/ THROMBIN, pharmacodynamics/ TOSYL COMPOUNDS, pharmacodynamics/ TRITIUM
1999. Kinoshita F: [Thyroid scintigram. 5. Chronic thyroiditis] Jap J Clin Radiol 18:668-9, Sep 73 (Jap)
CHRONIC DISEASE/ HUMAN/ *RADIOISOTOPE SCANNING/ *THYROIDITIS, diagnosis
2000. Kinson GA, Liu CC: Effects of blinding and pinealectomy on diurnal variations in plasma testosterone. Experientia 29:1415-6, 15 Nov 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ *CIRCADIAN RHYTHM/ *DARKNESS/ MALE/ ORGAN WEIGHT/ *PINEAL BODY, physiology/ PITUITARY GLAND, anatomy & histology/ RATS/ *SENSORY DEPRIVATION/ TESTIS, anatomy & histology/ *TESTOSTERONE, blood
2001. Kinzel V, Mueller GC: Phosphorylation of surface proteins of HeLa cells using an exogenous protein kinase and (gamma-32P)ATP. Biochim Biophys Acta 322:337-51, 18 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ CELL MEMBRANE, metabolism/ CELL SURVIVAL/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DRUG STABILITY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEAT/ HELA CELLS, cytology/ HELA CELLS, metabolism/ HYDROXYLAMINES/ KINETICS/ MICROSCOPY, PHASE CONTRAST/ MUSCLES, enzymology/ *NEOPLASM PROTEINS, metabolism/ PHOSPHOPROTEINS, metabolism/ PHOSPHORUS RADIOISOTOPES/ *PROTEIN KINASE, metabolism/ RATS/ SODIUM HYDROXIDE/ TIME FACTORS/ TRITIUM/ TRYPSIN
2002. Kirby L, Hahn P: Enzyme response to prednisolone and dibutyladenosine 3',5'-monophosphate in human fetal liver. Pediatr Res 8:37-41, Jan 74
*ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL EXPERIMENTS/ *ASPARTATE AMINOTRANSFERASE, metabolism/ CELLS, CULTURED/ CULTURE MEDIA/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DRUG SYNERGISM/ ENZYME INDUCTION, drug effects/ FEMALE/ *FETUS, drug effects/ GESTATIONAL AGE/ GLUCAGON,

AUTHOR SECTION

- pharmacodynamics/ HUMAN/ IN VITRO/
INSULIN, pharmacodynamics/ *LIVER, drug
effects/ LIVER, enzymology/
NOREPINEPHRINE, pharmacodynamics/
*PHOSPHOENOLPYRUVATE
CARBOXYKINASE, metabolism/
*PREDNISOLONE, pharmacodynamics/
PREGNANCY/ RATS/ TIME FACTORS/
*TYROSINE AMINOTRANSFERASE,
metabolism
2003. Kirby R, Clark F, Johnston ID: The effect of surgical operation of moderate severity on thyroid function. *Clin Endocrinol (Oxf)* 2:28-99, Apr 73
*DUODENAL ULCER, surgery/
GASTRECTOMY/ HUMAN/ IMMUNOASSAY/
MALE/ PROTEIN-BOUND IODINE TEST/
PYLORUS, surgery/ *SURGERY, OPERATIVE/
*THYROID GLAND, physiology/
THYROTROPIN, blood/ THYROXINE, blood/
THYROXINE-BINDING PROTEIN, metabolism/
TIME FACTORS/ TRIIODOTHYRONINE,
blood/ VAGOTOMY
2004. Kirchheiner B, Jansen JA, Hvidberg E, et al: Cortisol distribution in rheumatoid arthritis during treatment with gold. *Acta Pharmacol Toxicol (Kbh)* 32:449-54, 1973
*ARTHRITIS, RHEUMATOID, drug therapy/
ARTHRITIS, RHEUMATOID, metabolism/
DEPRESSION, CHEMICAL/ FEMALE/ GOLD,
administration & dosage/ *GOLD, therapeutic
use/ HUMAN/ HYDROCORTISONE, blood/
*HYDROCORTISONE, metabolism/
INJECTIONS, INTRAVENOUS/ MALE/ SKIN,
metabolism/ TIME FACTORS
2005. Kirchner SG, Lee YT: X-ray of the month. Child abuse. *J Tenn Med Assoc* 66:1053-4 passim, Nov 73
BONE AND BONES, radiography/ CASE
REPORT/ *CHILD ABUSE/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/ HUMERAL
FRACTURES, radiography/ INFANT/ MALE/
SKULL, radiography/ *WOUNDS AND
INJURIES, radiography
2006. Kirk DN, Leonard DR: 6,7-Unsaturated 5 beta-steroids as intermediates for labelling with isotopic hydrogen. *J Chem Soc [Perkin I]* 17:1836-9, 1973
CATALYSIS/ *DEUTERIUM/
*ETIOCHOLANOLONE, chem synthesis/
HYDROGENATION/ *ISOTOPE LABELING/
NUCLEAR MAGNETIC RESONANCE/
*PREGNANEDIOL, chem synthesis/
STEREISOMERS/ STRUCTURE-ACTIVITY
RELATIONSHIP
2007. Kirkegaard C, Frils T, Molholm Hansen JE, et al: The diagnostic and prognostic value of the 20 min ^{99m}Tc-uptake in the thyroid gland. *Acta Endocrinol (Kbh)* 74:659-65, Dec 73
ADOLESCENCE/ ADULT/ AGED/
CARBIMAZOLE, therapeutic use/
COMPARATIVE STUDY/ FEMALE/
FOLLOW-UP STUDIES/ GOITER, diagnosis/
HUMAN/ *HYPERTHYROIDISM, diagnosis/
HYPERTHYROIDISM, drug therapy/
INJECTIONS, INTRAVENOUS/ IODINE
RADIOISOTOPES/ MALE/ MIDDLE AGE/
MYXEDEMA, diagnosis/ PROGNOSIS/
SPECTROMETRY, GAMMA/ TECHNETIUM,
administration & dosage/ *TECHNETIUM,
diagnostic use/ TECHNETIUM, metabolism/
THYROID GLAND, metabolism/ THYROID
GLAND FUNCTION TESTS/ TIME FACTORS/
TRIIODOTHYRONINE, pharmacodynamics
2008. Kirkman S: Letter: Thyroid uptake. *Br J Radiol* 47:65-7, Jan 74
ADMINISTRATION, ORAL/ BREAD, analysis/
DIET/ HUMAN/ HYPERTHYROIDISM,
metabolism/ *IODINE RADIOISOTOPES,
metabolism/ *THYROID GLAND, metabolism
2009. Kirton KT, Koering MJ: Prostaglandin F_{2a} and primate corpus luteum: a correlation of structure and function. *Fertil Steril* 24:926-34, Dec 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS,
cytology/ CORPUS LUTEUM, cytology/
*CORPUS LUTEUM, drug effects/ CORPUS
LUTEUM, physiology/ CYTOPLASM, drug
effects/ ENDOPLASMIC RETICULUM, drug
effects/ FEMALE/ GOLGI APPARATUS, drug
effects/ MACACA/ MENSTRUATION, drug
effects/ MICROSCOPY, ELECTRON/
MITOCHONDRIA, drug effects/ MONKEYS/
PROGESTERONE, blood/ *PROSTAGLANDINS,
pharmacodynamics
2010. Kischer CW: The epidermal response of developing skin to prostaglandin-B₁. Mitochondrial alterations obtained in vitro. *Exp Cell Res* 81:393-400, Oct 73
CELLS, CULTURED/ CHICK EMBRYO/
COMPARATIVE STUDY/ FEATHERS,
metabolism/ HISTOCYTOCHEMISTRY/
MICROSCOPY, ELECTRON/ MITOCHONDRIA,
drug effects/ MITOCHONDRIA, metabolism/
*PROSTAGLANDINS, pharmacodynamics/ SKIN,
cytology/ *SKIN, drug effects/ *SKIN,
metabolism/ TIME FACTORS
2011. Kitamoto K: [The functional and morphological studies of human juxtaglomerular apparatus (author's transl)] *J Jap Soc Intern Med* 62:1366-77, Oct 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ FEMALE/
HUMAN/ JUXTAGLOMERULAR APPARATUS,
pathology/ *JUXTAGLOMERULAR
APPARATUS, physiopathology/ MALE/
MIDDLE AGE/ RENIN, metabolism/ SODIUM,
blood
2012. Klutukchlev B, Matrova Ts: Glukozo-6-fosfatazna aktivnost v chernila droh na bremenni plukhove, na tekhnite fetusi i platsenti sled glukozno natovarvane i predvartitelno tretirane s estrogeni. *Akush Ginekol (Sofia)* 12:284-8, 1973 (Bul)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ ESTROGENS, administration &
dosage/ FEMALE/ *FETUS, enzymology/
GLUCOSE, administration & dosage/
*GLUCOSEPHOSPHATASE, metabolism/
*LIVER, enzymology/ *PLACENTA,
enzymology/ PREGNANCY/ RATS
2013. Kjaer I, Prydsøe U: Enzyme-histochemical determination of human bone growth activity in postmortem material. *J Dent Res* 52:1293-6, Nov-Dec 73
*ALKALINE PHOSPHATASE, metabolism/
AUTOPSY/ *BONE AND BONES, enzymology/
*BONE DEVELOPMENT/ FEMALE/ HEAT/
HISTOCYTOCHEMISTRY/ HUMAN/ IN
VITRO/ INFANT, NEWBORN/ MALE/
*PERIOSTEUM, enzymology/ POSTMORTEM
CHANGES
2014. Klaassen HE, Kadoum AM: Pesticide residues in natural fish populations of the Smoky Hill river of Western Kansas-1967-69. *Pestic Monit J* 7:53-61, Jun 73
ALDRIN, analysis/ ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, GAS/ CYPRINIDAE/
DDD, analysis/ DDE, analysis/ DDT, analysis/
DIELDRIN, analysis/ ENDRIN, analysis/
*FISHES/ FRESH WATER/ GONADS, analysis/
HEPTACHLOR, analysis/ KANSAS/
*PESTICIDE RESIDUES, analysis/ WATER
POLLUTION, CHEMICAL
2015. Klapproth HJ, Young IS: Vasectomy, vas ligation and vas occlusion. *Urology* 1:292-300, Apr 73
ADULT/ ANESTHESIA, GENERAL/
ANESTHESIA, LOCAL/ AUTOIMMUNE
DISEASES, etiology/ DILATATION/
EPIDIDYMI/ HISTORICAL ARTICLE/
HISTORY OF MEDICINE, 19TH CENT./
HISTORY OF MEDICINE, 20TH CENT./
HUMAN/ IMMUNITY/ LIGATION/ MALE/
METHODS/ MIDDLE AGE/ POSTOPERATIVE
COMPLICATIONS/ PROGNOSIS/ SEMEN/
SPERMATOZOA/ TESTICULAR DISEASES,
etiology/ VAS DEFERENS, abnormalities/
*VAS DEFERENS, surgery/ *VASECTOMY,
adverse effects/ VASECTOMY, history
2016. Klatt R, Sahl JS, Schmidt UJ, et al: Calcitonin und Osteoporosetherapie unter Berücksichtigung therapeutischer Möglichkeiten bei der Osteoporose im Alter. *Z Alternsforsch* 27:283-8, 1973 (Ger)
AGE FACTORS/ AGED/ *CALCITONIN,

AUTHOR SECTION

- therapeutic use/ CALCIUM, blood/ HUMAN/
*OSTEOPOROSIS, drug therapy
2017. Klaus D, Rössler R: Reninsekretion bei Anahuminalämie.
Klin Wochenschr 51:969-72, 1 Oct 73 (Ger)
*BLOOD PROTEIN DISORDERS, metabolism/
ENGLISH ABSTRACT/ GLOMERULAR
FILTRATION RATE/ HUMAN/ KIDNEY,
blood supply/ KIDNEY TUBULES, metabolism/
RENIN, blood/ *RENIN, secretion/ *SERUM
ALBUMIN/ SODIUM, metabolism/ VASCULAR
RESISTANCE
2018. Klaus D, Rössler R: Die Regulation der Reninsekretion.
I. Ein Modell für die intra- und extrarenale Wirkung
des Renins. Med Welt 24:1352-5, 7 Sep 73 (Ger)
CHEMORECEPTORS/ JUXTAGLOMERULAR
APPARATUS, physiology/ MODELS,
BIOLOGICAL/ PRESSORECEPTORS/
RECEPTORS, ADRENERGIC/ *RECEPTORS,
NEURAL, physiology/ *RENIN, secretion/
SODIUM, physiology
2019. Klawans HL Jr: The pharmacology of extrapyramidal
movement disorders.
Monogr Neural Sci 2:1-136, 1973 (311 ref.)
CHOREA, etiology/ CHOREA, HEREDITARY,
diagnosis/ CHOREA, HEREDITARY,
physiopathology/ DOPA/ DOPA, therapeutic
use/ DOPAMINE, physiology/ DYSTONIA
MUSCULORUM DEFORMANS, drug therapy/
*EXTRAPYRAMIDAL DISORDERS, drug
therapy/ HEPATOLENTICULAR
DEGENERATION, drug therapy/
HEPATOLENTICULAR DEGENERATION,
pathology/ HEPATOLENTICULAR
DEGENERATION, physiopathology/ HUMAN/
HYPERTHYROIDISM, physiopathology/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, complications/
MANGANESE, poisoning/ MOVEMENT
DISORDERS, chemically induced/ *MOVEMENT
DISORDERS, drug therapy/
PARASYMPATHETIC NERVOUS SYSTEM,
physiopathology/ PARKINSONISM, drug
therapy/ PARKINSONISM, physiopathology/
REVIEW
2020. Kieczkowska D, Gawliński S: Gene expression in bovine
lymphocytes during lactation.
Bull Acad Pol Sci [Biol] 21:629-36, Oct 73
ANIMAL EXPERIMENTS/ CATTLE/ FEMALE/
*GENES/ *LACTATION/ LYMPHOCYTES,
cytology/ LYMPHOCYTES, drug effects/
PLANT AGGLUTININS, pharmacodynamics/
PREGNANCY/ TIME FACTORS
2021. Klein DC, Yuwiler A, Weller JL, et al: Postsynaptic
adrenergic-cyclic AMP control of the serotonin
content of cultured rat pineal glands.
J Neurochem 21:1261-71, Nov 73
ACETYLTRANSFERASES, metabolism/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ANIMAL
EXPERIMENTS/ CYCLOHEXIMIDE,
pharmacodynamics/ DENERVATION/
DOPAMINE, pharmacodynamics/ IN VITRO/
ISOPROTERENOL, pharmacodynamics/ MALE/
NERVE TISSUE PROTEINS, biosynthesis/
NOREPINEPHRINE, metabolism/ ORGAN
CULTURE/ PHENOXYBENZAMINE,
pharmacodynamics/ PHENTOLAMINE,
pharmacodynamics/ PHENYLEPHRINE,
pharmacodynamics/ *PINEAL BODY, analysis/
PINEAL BODY, enzymology/ PROPRANOLOL,
pharmacodynamics/ RATS/ SEROTONIN/
*SEROTONIN, analysis/ *SYMPATHETIC
NERVOUS SYSTEM, metabolism/ TIME
FACTORS/ TRITIUM
2022. Klein E, Kracht J, Krüskemper HL, et al: Klassifikation
der Schilddrüsenerkrankheiten.
Dtsch Med Wochenschr 98:2249-51, 23 Nov 73 (Ger)
GOITER, classification/ GOITER,
EXOPHTHALMIC, classification/ HUMAN/
HYPERTHYROIDISM, classification/
HYPOTHYROIDISM, classification/ *THYROID
DISEASES, classification/ THYROID
NEOPLASMS, classification/ THYROIDITIS,
classification
2023. Klein E, Kracht J, Krüskemper HL, et al: Praxis der
Schilddrüsendiagnostik. Zusammenfassende
Richtlinien aufgrund einer Konferenz von 26
deutschen Schilddrüsenexperten.
Dtsch Med Wochenschr 98:2362-70, 7 Dec 73 (Ger)
AUTOANTIBODIES, analysis/
CYTODIAGNOSIS/ ELECTROCARDIOGRAPHY/
ENZYME TESTS/ HUMAN/
HYPERTHYROIDISM, diagnosis/
HYPOTHYROIDISM, diagnosis/ IN VITRO/
MEDICAL HISTORY TAKING/ PHYSICAL
EXAMINATION/ PROTEIN-BOUND IODINE
TEST/ RADIOISOTOPE SCANNING/
*THYROID DISEASES, diagnosis/ THYROID
DISEASES, radiography/ THYROID GLAND
FUNCTION TESTS/ *THYROID NEOPLASMS,
diagnosis/ THYROIDITIS, diagnosis/
THYROXINE, blood/ THYROXINE-BINDING
PROTEIN, blood/ TRIIODOTHYRONINE, blood
2024. Klein G, Altmann H: Impulszytrophotometrische
Untersuchungen zur Proliferationskinetik von
Synovialzellen.
Wien Klin Wochenschr 85:774-8, 23 Nov 73 (Ger)
ANIMAL EXPERIMENTS/ ARTHRITIS,
RHEUMATOID, metabolism/ *ARTHRITIS,
RHEUMATOID, pathology/ *CELL DIVISION/
CELL MOVEMENT/ CYTOLOGICAL
TECHNICS/ DNA, biosynthesis/ ENGLISH
ABSTRACT/ HUMAN/ INJECTIONS,
INTRA-ARTERIAL/ METHODS/
PREDNISOLONE, administration & dosage/
RATS/ *SYNOVIAL FLUID, cytology/
SYNOVIAL FLUID, metabolism/ THYMIDINE,
metabolism/ TRITIUM
2025. Klein I, Fletcher MA, Levey GS: Evidence for a
dissociable glucagon binding site in a solubilized
preparation of myocardial adenylate cyclase.
J Biol Chem 248:5552-4, 10 Aug 73
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ BINDING SITES/ CATS/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ FLUORIDES, pharmacodynamics/ GEL
FILTRATION/ *GLUCAGON, metabolism/
IODINE RADIOISOTOPES/ MOLECULAR
WEIGHT/ *MYOCARDIUM, enzymology/
PHOSPHORUS RADIOISOTOPES/ PROTEIN
BINDING/ *RECEPTORS, HORMONE/ SODIUM
DODECYL SULFATE/ SOLUBILITY
2026. Klein I, Levey GS, Bricker LA, et al: Glucagon and
epinephrine activation of adenylate cyclase and
glucagon binding in Morris hepatomas.
Endocrinology 91:279-83, Jan 74
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ COMPARATIVE STUDY/
DOSE-RESPONSE RELATIONSHIP, DRUG/
EPINEPHRINE, administration & dosage/
*EPINEPHRINE, pharmacodynamics/
FLUORIDES, pharmacodynamics/ GLUCAGON,
administration & dosage/ GLUCAGON,
metabolism/ *GLUCAGON, pharmacodynamics/
*HEPATOMA, enzymology/ IODINE
RADIOISOTOPES/ *LIVER, enzymology/
MALE/ PHOSPHORUS RADIOISOTOPES/
RATS
2027. Klein M: Immunochemical studies of four human IgM
pyroglobulins. Immunochemistry 10:873-80, Oct 73
AMINO ACIDS, analysis/ CALCIUM
CHLORIDE/ CARBOHYDRATES, analysis/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ HEAT/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ *IGM/
IMMUNOELECTROPHORESIS/
IMMUNOGLOBULIN FRAGMENTS, analysis/
IMMUNOGLOBULINS, J CHAIN, analysis/
MALEATES/ OSMOLAR CONCENTRATION/
PEPSIN/ PEPTIDES, analysis/
PRECIPITATION/ PROTEIN CONFORMATION/
PROTEIN DENATURATION/ SODIUM
CHLORIDE/ SOLVENTS/ SULFHYDRYL
REAGENTS/ THIOCYANATES/ TRYPSIN
2028. Kleinberg I: The role of dental plaque in caries and
inflammatory periodontal disease.
J Can Dent Assoc 40:56-66, Jan 74 (49 ref.)
ACID-BASE EQUILIBRIUM/ BIOCHEMISTRY/
CALCIUM, metabolism/ *DENTAL CARIES,

AUTHOR SECTION

- etiology/ DENTAL ENAMEL, drug effects/
DENTAL ENAMEL SOLUBILITY/ *DENTAL
PLAQUE, complications/ DENTAL PLAQUE,
metabolism/ DENTAL PLAQUE, microbiology/
DIET/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ MICROSCOPY,
ELECTRON/ *PERIODONTAL DISEASES,
etiology/ PHOSPHATES, metabolism/
REVIEW/ SALIVA, enzymology
2029. Kleiner H, Brouet-Yager M: Activité de la
L-cystinyl-di-heta-naphthylamide hydrolase
("oxytocinase") sérique dans la grossesse normale,
mesurée par une méthode chimique rapide.
Clin Chim Acta 48:299-309, 30 Oct 73 (Fre)
ALCOHOL, ETHYL, pharmacodynamics/
*AMINOPEPTIDASES, blood/ COMPARATIVE
STUDY/ CYSTINE/ DIMETHYLFORMAMIDE,
pharmacodynamics/ ENGLISH ABSTRACT/
EVALUATION STUDIES/ FEMALE/ HUMAN/
HYDROGEN-ION CONCENTRATION/
KINETICS/ METHODS/ OXYTOCINASE,
antagonists & inhibitors/ OXYTOCINASE,
blood/ *PREGNANCY/ SOLVENTS/
SURFACE-ACTIVE AGENTS,
pharmacodynamics/ TIME FACTORS
2030. Kleinholz LH, Keller R: Comparative studies in
crustacean neurosecretory hyperglycemic hormones.
I. The initial survey.
Gen Comp Endocrinol 21:554-64, Dec 73
ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, DEAE-CELLULOSE/
COMPARATIVE STUDY/ CRABS/ CRAYFISH/
*CRUSTACEA/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ GEL FILTRATION/
*HORMONES, analysis/ MOLECULAR
WEIGHT/ *NEUROSECRETORY SYSTEMS/
PROTEINS, analysis/ SHRIMP/ SPECIES
SPECIFICITY
2031. Klem V, Kolstad P: Maligne trofoblasttumores.
Tidsskr Nor Laegeforen 93:1965-7, 20 Sep 73 (Nor)
FEMALE/ HUMAN/ METHOTREXATE,
therapeutic use/ PREGNANCY/ PROGNOSIS/
*TROPHOBLASTIC TUMOR, diagnosis/
TROPHOBLASTIC TUMOR, drug therapy/
*UTERINE NEOPLASMS, diagnosis/ UTERINE
NEOPLASMS, drug therapy
2032. Klepacki A, Zalewski J, Gruszecki W: Wahania ciśnienia
wrotnego w przebiegu ostrego doświadczonego
zapalenia trzustki.
Pol Przegl Chir 45:1311-6, Nov 73 (Pol)
ACUTE DISEASE/ ANIMAL EXPERIMENTS/
ARTERIES/ *BLOOD PRESSURE,
drug effects/ DEXTRAN, pharmacodynamics/
DOGS/ ENGLISH ABSTRACT/
KALLIKREIN-TRYPSIN INACTIVATOR,
pharmacodynamics/ *PANCREATITIS,
physiopathology/ PARATHYROID HORMONE,
pharmacodynamics/ PORTAL SYSTEM/
*PORTAL VEIN
2033. Kilger BN, Hammond SM: Letter: Mode of action of
polyene antihelminthics. Br Med J 4:359-60, 10 Nov 73
*ANTIBIOTICS, ANTIFUNGAL,
pharmacodynamics/ BINDING SITES/
*CANDIDA ALBICANS, drug effects/ CELL
MEMBRANE, drug effects/ CELL MEMBRANE
PERMEABILITY, drug effects/ DRUG
RESISTANCE, MICROBIAL/ ERGOSTEROL,
physiology/ NUTRITION/ POLYENES,
pharmacodynamics/ STEROLS, physiology
2034. Kilmanova ZF, Golbert ZV: Tsitologicheskaya
kharakteristika raka po éksudatu v sravnenii s
morfologiej ego v pervichnom ili metastaticheskome
ochage. Arkh Patol 34:53-9, 1972 (Rus)
BREAST NEOPLASMS, pathology/
CYTODIAGNOSIS/ ENGLISH ABSTRACT/
*EXUDATES AND TRANSUDATES, cytology/
FEMALE/ GASTROINTESTINAL NEOPLASMS,
pathology/ HUMAN/ LUNG NEOPLASMS,
pathology/ *NEOPLASM METASTASIS,
pathology/ *NEOPLASMS, pathology/
PANCREATIC NEOPLASMS, pathology/
PLEURAL EFFUSION, cytology/ THYROID
NEOPLASMS, pathology/ URETERAL
- NEOPLASMS, pathology/ UTERINE
NEOPLASMS, pathology
2035. Kliment V, Hatvany T, Zlak F, et al: Príspevok k
diagnostike a terapii cystických folikulárných zmien
na ováriách. Cesk Gynekol 38:634-5, Sep 73 (Slo)
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/
*OVARIAN CYSTS, diagnosis/ OVARIAN
CYSTS, drug therapy/ VITAMIN B COMPLEX,
therapeutic use
2036. Kliment V, Zachar V, Havran L: Naše skúsenosti i
clomifenom domácej výrohy.
Cesk Gynekol 38:626-7, Sep 73 (Slo)
*CLOMIPHENE, therapeutic use/ FEMALE/
HUMAN/ PREGNANCY/ STERILITY,
FEMALE, drug therapy
2037. Kilnberg NA, Kravchenko AM, Sud'ia GP, et al:
Rezultaty lecheniya kriptorkhizma u detei.
Klin Khir 6:54-6, Jun 73 (Rus)
ADOLESCENCE/ AGE FACTORS/ CHILD/
CHILD, PRESCHOOL/ *CRYPTORCHISM,
surgery/ FOLLOW-UP STUDIES/ HUMAN/
MALE/ METHODS
2038. Klintworth GK: The hamster cheek pouch: an
experimental model of corneal vascularization.
Am J Pathol 73:691-710, Dec 73
ANIMAL EXPERIMENTS/ CHEEK/
CHICKENS/ *CORNEA, blood supply/
CORNEA, cytology/ CORNEA, drug effects/
CORNEA, transplantation/ FEMALE/
*HAMSTERS/ HYDROCORTISONE,
pharmacodynamics/ LEUKOCYTES, physiology/
METHODS/ *MODELS, BIOLOGICAL/
MUCOPOLYSACCHARIDES, physiology/
RABBITS/ RATS/ TIME FACTORS/
TRANSPLANTATION, AUTOLOGOUS/
TRANSPLANTATION, HETEROLOGOUS/
TRANSPLANTATION, HOMOLOGOUS
2039. Kloet ER de, Vies J van der, Wied D de: The site of the
suppressive action of dexamethasone on
pituitary-adrenal activity.
Endocrinology 91:61-73, Jan 74
ANIMAL EXPERIMENTS/ CEREBRAL
VENTRICLES/ CORTICOSTERONE, blood/
DEXAMETHASONE, administration & dosage/
DEXAMETHASONE, metabolism/
*DEXAMETHASONE, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
INJECTIONS, INTRAVENOUS/ LIMBIC
SYSTEM, metabolism/ MALE/
MESENCEPHALON, metabolism/
*PITUITARY-ADRENAL SYSTEM,
drug effects/ PITUITARY-ADRENAL SYSTEM,
metabolism/ RATS/ TIME FACTORS/
TRITIUM
2040. Klouda PT, Lawler SD, Bagshawe KD: HL-A matings in
trophoblastic neoplasia. Tissue Antigens 2:280-4, 1972
*CHORIOCARCINOMA, immunology/
CYTOTOXICITY TESTS, IMMUNOLOGIC/
FEMALE/ *HISTOCOMPATIBILITY
ANTIGENS/ HUMAN/ MALE/ PHENOTYPE
2041. Klug H: Thymus und Autoimmunkrankheiten.
Z Gesamte Inn Med 28:441-50, 1 Aug 73 (176 ref.) (Ger)
ANIMAL EXPERIMENTS/ ANTIBODY
FORMATION/ AUTOIMMUNE DISEASES,
etiology/ *AUTOIMMUNE DISEASES,
immunology/ CHICK EMBRYO/ EMBRYO/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
LUPUS ERYTHEMATOSUS, SYSTEMIC,
immunology/ LYMPHOCYTES, immunology/
MALE/ MICE/ MICE, INBRED CBA/ MICE,
INBRED NZB/ MYASTHENIA GRAVIS,
immunology/ REVIEW/ THYMUS GLAND,
anatomy & histology/ THYMUS GLAND, blood
supply/ THYMUS GLAND, cytology/
*THYMUS GLAND, immunology/ THYMUS
NEOPLASMS, immunology
2042. Knobel J: Choriorcarcinoma presenting with massive
rectal bleeding. S Afr Med J 47:2120, 10 Nov 73
ADULT/ CASE REPORT/
*CHORIOCARCINOMA, complications/
FEMALE/ *HEMORRHAGE,
GASTROINTESTINAL, etiology/ HUMAN/

AUTHOR SECTION

NEOPLASM METASTASIS/ *RECTAL
NEOPLASMS, complications/ *UTERINE
NEOPLASMS, complications

2043. Knopf FM, Destree A, Hyman R: Antibody-induced changes in expression of an immunoglobulin surface antigen. *Eur J Immunol* 3:351-9, May 73
ANIMAL EXPERIMENTS/ ANTIBODIES, NEOPLASM, analysis/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ *ANTIGENS, NEOPLASM/ CELL LINE/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ IMMUNE SERUMS/ IMMUNOGLOBULINS, secretion/ IMMUNOGLOBULINS, FAB/ IODINE RADIOISOTOPES/ IODOTYROSINE, analysis/ LEUCINE, metabolism/ LYMPHOMA, immunology/ MICE/ *MULTIPLE MYELOMA, immunology/ MYELOMA PROTEINS/ PAPAIN/ PRECIPITIN TESTS/ PRONASE/ RABBITS, immunology/ SHEEP, immunology/ TEMPERATURE/ TRITIUM
2044. Knorr D: Kelmdrüsenkrankungen. *Monatsschr Kinderheilkd* 121:631-3, Oct 73 (8 ref.) (Ger)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ *CRYPTORCHISM, diagnosis/ CRYPTORCHISM, therapy/ ENGLISH ABSTRACT/ GONADOTROPINS, CHORIONIC, therapeutic use/ HERMAPHRODITISM, etiology/ HUMAN/ MALE/ PROGNOSIS/ REVIEW/ STERILITY, MALE, therapy/ TESTICULAR DISEASES, drug therapy/ TESTICULAR DISEASES, surgery/ *TESTICULAR DISEASES, therapy/ TESTOSTERONE, therapeutic use/ TURNER'S SYNDROME, therapy
2045. Knorre D: Verhalten oxydativer und hydrolytischer Enzyme in Kadmium-induzierten Hodenzwischenzelltumoren der Albinoratte. *Arch Geschwulstforsch* 42:127-34, 1973 (Ger)
ANIMAL EXPERIMENTS/ CADMIUM/ ENGLISH ABSTRACT/ ESTERASES, analysis/ LACTATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE ISOENZYMES, analysis/ LEYDIG CELL TUMOR, chemically induced/ *LEYDIG CELL TUMOR, enzymology/ MALE/ NEOPLASMS, EXPERIMENTAL/ OXIDOREDUCTASES, analysis/ RATS/ RATS, INBRED STRAINS/ SUCCINATE DEHYDROGENASE, analysis/ TESTICULAR NEOPLASMS, chemically induced/ *TESTICULAR NEOPLASMS, enzymology
2046. Kobayashi A, Utsunomiya T, Sento, et al: Adrenocortical responsiveness after long-term corticosteroid therapy in childhood nephrosis. *Helv Paediatr Acta* 28:341-8, Oct 73
ADOLESCENCE/ *ADRENAL GLANDS, drug effects/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, pharmacodynamics/ *BETAMETHASONE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ FEMALE/ HUMAN/ 17-KETOSTEROIDS, urine/ MALE/ NEPHROTIC SYNDROME, diagnosis/ *NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, urine
2047. Kobayashi M, Yui T, Kitayama Z, et al: [Anesthesia and brain serotonin increase by pentobarbital following adrenalectomy and continuous administration of growth hormone in rats] *Folia Pharmacol Jap* 69:829-33, Sep 73 (Jap)
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ANESTHESIA/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ *BRAIN CHEMISTRY/ ENGLISH ABSTRACT/ MALE/ *PENTOBARBITAL, pharmacodynamics/ RATS/ *SEROTONIN, analysis/ *SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS
2048. Kobozeva NV: Osohennosti tehnichia heremennosti i vnutritrochnoe razvitiie ploda. *Vopr Okhr Materin Det* 18:14-6, Jan 73 (Rus)
ADRENAL GLANDS, embryology/ *FETUS, growth & development/ GENITALIA, embryology/ HUMAN/ PITUITARY GLAND, embryology/ *PREGNANCY/ TIME FACTORS
2049. Kobozeva NV, Semendlaeva MV: Posledstviia odnostonnoe ovariektomii. *Akush Ginekoi (Mosk)* 49:38-42, Aug 73 (Rus)
ADAPTATION, PHYSIOLOGICAL/ ADOLESCENCE/ ADULT/ *CASTRATION, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENSTRUATION/ MENSTRUATION DISORDERS, etiology/ *OVARY, physiotherapy/ PREGNANCY/ PREGNANCY, TUBAL, surgery/ REPRODUCTION
2050. Kobza A, Ramsay CA, Magnus IA: Photosensitivity due to the 'sunburn' ultraviolet content of white fluorescent lamps. *Br J Dermatol* 89:351-9, Oct 73
AGED/ ECZEMA, drug therapy/ ERYTHEMA, drug therapy/ FEMALE/ *FLUORESCENCE/ HUMAN/ *LIGHTING/ MALE/ MIDDLE AGE/ *PHOTOSENSITIZATION, etiology/ PREDNISONE, therapeutic use/ RADIATION EFFECTS/ SKIN, radiation effects/ SKIN TESTS/ SUNBURN/ *ULTRAVIOLET RAYS, adverse effects
2051. Koch EA, Spitzer RH, Arora RC, et al: Antigenic sites on bovine brain membranes using ferritin labelling. *Res Commun Chem Pathol Pharmacol* 6:1063-71, Nov 73
ANIMAL EXPERIMENTS/ *BINDING SITES, ANTIBODY/ *BRAIN, immunology/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ *FERRITIN, diagnostic use/ GLUTARALDEHYDE/ GOATS/ IMMUNE SERUMS/ MEMBRANES, immunology/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, immunology/ PROTEIN BINDING/ RABBITS, immunology/ SEROTONIN, metabolism/ SPECIES SPECIFICITY/ STAINS AND STAINING/ SYNAPTOSOMES, immunology/ THALAMUS, cytology/ THALAMUS, immunology
2052. Koch Y, Chobsiang P, Zor U, et al: Suppression of gonadotropin secretion and prevention of ovulation in the rat by antiserum to synthetic gonadotropin-releasing hormone. *Biochem Biophys Res Commun* 55:623-9, 10 Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ ESTRUS, drug effects/ FEMALE/ FSH, blood/ FSH, secretion/ *IMMUNE SERUMS/ LH, blood/ LH, pharmacodynamics/ LH, secretion/ *LH-FSH RELEASING HORMONE/ OVARY, physiology/ *OVULATION, drug effects/ PASSIVE TRANSFER/ PROLACTIN, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SHEEP/ TIME FACTORS
2053. Koch Y, Wilchek M, Fridkin M, et al: Production and characterization of an antiserum to synthetic gonadotropin-releasing hormone. *Biochem Biophys Res Commun* 55:616-22, 10 Dec 73
ANIMAL EXPERIMENTS/ AZO COMPOUNDS/ BINDING SITES, ANTIBODY/ BIOLOGICAL ASSAY/ CATTLE/ CEREBRAL CORTEX/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ GEL FILTRATION/ GOATS, immunology/ HAPTENS/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS/ *IMMUNE SERUMS, isolation & purification/ IODINE RADIOISOTOPES/ *LH-FSH RELEASING HORMONE/ MALE/ PROTEIN BINDING/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP
2054. Koch-Weser J: Hypertensive emergencies. *N Engl J Med* 290:211-4, 24 Jan 74 (14 ref.)
ADRENAL GLAND NEOPLASMS, complications/ ANTIHYPERTENSIVE AGENTS, administration & dosage/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ BRAIN EDEMA, etiology/

AUTHOR SECTION

- CEREBROVASCULAR DISORDERS, etiology/
CORONARY DISEASE, complications/
DIAZOXIDE, therapeutic use/ DIURETICS,
administration & dosage/ DIURETICS,
therapeutic use/ *EMERGENCIES/
FERRICYANIDES, therapeutic use/ HUMAN/
HYDRALAZINE, therapeutic use/
HYPERTENSION, complications/
*HYPERTENSION, drug therapy/
HYPERTENSION, etiology/ INTRACRANIAL
PRESSURE/ METHYLDOPA, therapeutic use/
PHEOCHROMOCYTOMA, complications/
RESERPINE, therapeutic use/ REVIEW/
TRIMETHAPHAN, therapeutic use
2055. Kochakian CD, Stevenson D, Mayumi T: Dependence of the guinea pig kidney 17 beta-hydroxy-C19-steroid dehydrogenase isoenzyme profile on androgen. *Biochem Biophys Res Commun* 54:519-23, 18 Sep 73
ANIMAL EXPERIMENTS/ CASTRATION/
COMPARATIVE STUDY/ CYTOSOL, drug effects/ CYTOSOL, enzymology/
ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUINEA PIGS/ *HYDROXYSTEROID DEHYDROGENASES, metabolism/
*ISOENZYMES, metabolism/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, enzymology/ MALE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS
2056. Kocsard-Varo G: Letter: Sudden infant death syndrome and triiodothyronine (T3) serum levels. *Med J Aust* 2:789-90, 20 Oct 73
BODY TEMPERATURE REGULATION/
*DEATH, SUDDEN/ HUMAN/ HYPOTHERMIA, etiology/ *INFANT/ INFANT, NEWBORN/
*TRIIODOTHYRONINE, blood
2057. Koev D: Reninova aktivnost v plazmata i promene i sled stimulatsia u bojni ot tireotoksikoza. *Vutr Boles* 12:65-70, 1973 (Bul)
DIET, SALT-FREE/ DIURETICS, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, blood/ POSTURE/ *RENIN, blood
2058. Koga T, Tomoeda M: Studies on conformation and reactivity. XII. Acetyls and stereospecific rearrangement of 4-homocholest-4-en-3-one. *J Chem Soc [Perkin I]* 17:1848-51, 1973
BROMINE/ CHEMISTRY/ *CHOLESTENES, chem synthesis/ KETOSTEROIDS, chem synthesis/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP
2059. Kogstad O: Polymyalgia rheumatica. *Tidsskr Nor Laegeforen* 93:2348-50, 20 Nov 73 (Nor)
BIOPSY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/
POLYMYALGIA RHEUMATICA, diagnosis/
POLYMYALGIA RHEUMATICA, drug therapy/
*POLYMYALGIA RHEUMATICA, etiology/
POLYMYALGIA RHEUMATICA, pathology/
PREDNISONE, therapeutic use/ SALICYLIC ACID, therapeutic use/ TEMPORAL ARTERITIS, pathology
2060. Kohler H, Opl W, Mühlenen A von, et al: Failure of TSH radioimmunoassay to consistently detect mild TSH mediated thyroid stimulation. *Clin Endocrinol (Oxf)* 2:327-32, Oct 73
ADULT/ AUTORADIOGRAPHY/ FEEDBACK/ FEMALE/ HUMAN/ IODINE, urine/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ MALE/
*RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ THYROID GLAND, drug effects/
*THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, blood/ THYROTROPIN, physiology/
THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROXINE
2061. Kohoutek M: Význam glukokortikoidů v terapii nespecifických a specifických gynekologických zánětů. *Sb Ved Pr Lek Fak Karlovy Univ [Suppl]* 15:Suppl 2:159-69, Feb 73 (Cze)
ADNEXITIS, drug therapy/ ADOLESCENCE/ ADULT/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/
*GLUCOCORTICIDS, therapeutic use/
*GYNECOLOGIC DISEASES, drug therapy/
HUMAN/ INFLAMMATION, drug therapy/
MIDDLE AGE/ PREDNISONE, therapeutic use
2062. Kohoutek M, Tošner J: Podíl muže na sterilním manželství. *Sb Ved Pr Lek Fak Karlovy Univ [Suppl]* 15:Suppl 2:177-83, Feb 73 (Cze)
ADULT/ CELL MOVEMENT/ CRYPTORCHISM, complications/ ENGLISH ABSTRACT/ HUMAN/ KLINEFELTER'S SYNDROME, complications/ MALE/ ORCHITIS, complications/ SPERMATOZOA, physiology/
*STERILITY, MALE, etiology
2063. Kohoutek M, Vácha K: Glukokortikoidy v terapii nespecifických gynekologických zánětů. *Cesk Gynkol* 38:594-5, Sep 73 (Cze)
*DEXAMETHASONE, therapeutic use/
FEMALE/ *GYNECOLOGIC DISEASES, drug therapy/ HUMAN/ INFLAMMATION, drug therapy/ *PREDNISONE, therapeutic use
2064. Kolke T, Ozaki T, Toya R, et al: [2 cases of congenital adrenal hyperplasia] *Clin Endocrinol (Tokyo)* 21:845-50, Aug 73 (Jap)
*ADRENAL GLAND HYPERFUNCTION, congenital/ ADULT/ FEMALE/ HUMAN/
INFANT, NEWBORN/ MALE
2065. Kolzumi K, Ishikawa T, Brooks CM: The existence of facilitatory axon collaterals in neurosecretory cells of the hypothalamus. *Brain Res* 63:408-13, 7 Dec 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ AXONS, physiology/
ELECTRIC STIMULATION/ FROGS/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ *HYPOTHALAMUS, cytology/
NEURAL CONDUCTION/ *NEURAL INHIBITION/ RANA CATESBEIANA/
SUBLIMINAL STIMULATION
2066. Kojima S, Ikeda M, Tsujimoto A: Effect of serotonin, glucagon and other hormones on amylase secretion from rabbit parotid gland. *Jap J Pharmacol* 23:588-91, Aug 73
*AMYLASE, secretion/ ANIMAL EXPERIMENTS/ CORTICOTROPIN, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ HISTAMINE, pharmacodynamics/ *HORMONES, pharmacodynamics/ MALE/ PAROTID GLAND, enzymology/ *PAROTID GLAND, secretion/
PROPRANOLOL, pharmacodynamics/ RABBITS/
*SEROTONIN, pharmacodynamics/
VASOPRESSIN, pharmacodynamics
2067. Kokoszka J, Budzyńska-Dobek W: Przypadek ciężkiej powiklanej skrętem torbieli jajnikowej i zgorzeliowym zapaleniem wyrostka robaczkowego. *Pol Tyg Lek* 28:2023-4, 17 Dec 73 (Pol)
ABDOMEN, ACUTE, diagnosis/ ADULT/
*APPENDICITIS, complications/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/
FEMALE/ GANGRENE, complications/
HUMAN/ *OVARIAN CYSTS, complications/
PREGNANCY/ *PREGNANCY COMPLICATIONS, diagnosis/ TORSION
2068. Kokubu T: [Anomalies of proteolytic enzymes and clinical manifestations] *Jap J Clin Med* 31:2529-34, 10 Aug 73 (Jap)
ALPHA 1 ANTITRYPSIN, metabolism/
ANGIOEDEMA/ ANGIOTENSIN, metabolism/ HUMAN/ KALLIKREIN, metabolism/ KININS, metabolism/
METABOLISM, INBORN ERRORS, metabolism/
*PEPTIDE HYDROLASES, metabolism/ RENIN, metabolism
2069. Kokubu T, Hiwada K, Ito T, et al: Peptide inhibitors of renin angiotensinogen reaction system. *Biochem Pharmacol* 22:3217-23, 15 Dec 73

AUTHOR SECTION

- ALPHA GLOBULIN, antagonists & inhibitors/
ALPHA GLOBULIN, pharmacodynamics/
*ANGIOTENSIN II, antagonists & inhibitors/
ANGIOTENSIN II, pharmacodynamics/
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ HISTIDINE, pharmacodynamics/
KIDNEY, physiology/ KIDNEY CORTEX,
analysis/ KINETICS/ LEUCINE, metabolism/
NEPHRECTOMY/ OXIDATION-REDUCTION/
PEPTIDE CHAIN TERMINATION/ PEPTIDES,
chem synthesis/ *PEPTIDES,
pharmacodynamics/ PROTEIN PRECURSORS,
antagonists & inhibitors/ PROTEIN
PRECURSORS, pharmacodynamics/ RABBITS/
*RENIN, antagonists & inhibitors/ RENIN,
pharmacodynamics/ SULFONIC ACIDS,
pharmacodynamics/ VAGOTOMY/ VAGUS
NERVE, physiology/ VALINE,
pharmacodynamics
2070. Kolářová V, Laitl J, Horský J: Srovnávací studie
několika typů léčby klimakterického syndromu.
Cesk Gynekol 38:629-30, Sep 73 (Cze)
*CLIMACTERIC, drug effects/ ESTRADIOL,
pharmacodynamics/ FEMALE/ HUMAN/
SYNDROME/ TESTOSTERONE,
pharmacodynamics
2071. Kolářová V, Presl J, Figarová V, et al: Korelace
progesteronového testu s celkovou gonadotropní
aktivitou v moči a vaginální cytologií.
Cesk Gynekol 38:623-4, Sep 73 (Cze)
AMENORRHEA, diagnosis/ FEMALE/
*GONADOTROPINS, urine/ HUMAN/
*PROGESTERONE, diagnostic use/ *VAGINAL
SMEARS
2072. Kolodny RC, Masters WH: Editorial: Hormones and
homosexuality. Ann Intern Med 79:897, Dec 73
FEMALE/ *GONADS, secretion/
*HOMOSEXUALITY, physiopathology/ HUMAN/
MALE/ SEX HORMONES, blood/ *SEX
HORMONES, secretion/ SEX HORMONES,
urine
2073. Kolomiets OL, Onishchenko GE, Chentsov IuS:
Elektronnomikroskopicheskiy analiz kontaktov
heteroplaknoticheskogo khromatina s iadernoi
obolochkoi primere polovogo khromatina.
Tsitollogia 15:377-82, Apr 73 (Rus)
ANIMAL EXPERIMENTS/ CATS/ *CELL
NUCLEUS/ ENGLISH ABSTRACT/ *LIVER,
cytology/ *MEMBRANES/ MICROSCOPY,
ELECTRON/ NUCLEOPROTEINS/ *SEX
CHROMATIN
2074. Kolstad P: Gynecologisk cancer.
Tidsskr Nor Laegeforen 93:1952-4, 20 Sep 73 (Nor)
ANTINEOPLASTIC AGENTS, therapeutic use/
CARCINOMA IN SITU/ CERVIX
NEOPLASMS/ ESTROGENS, therapeutic use/
FEMALE/ *GYNECOLOGIC NEOPLASMS/
HUMAN/ OVARIAN NEOPLASMS/ UTERINE
NEOPLASMS
2075. Kolstad P: Cancer ovarii.
Tidsskr Nor Laegeforen 93:1962-5, 20 Sep 73 (Nor)
ADULT/ AGED/ CASTRATION/ FEMALE/
HUMAN/ HYSTERECTOMY/ MIDDLE AGE/
NEOPLASM METASTASIS/ *OVARIAN
NEOPLASMS/ PROGNOSIS
2076. Komarova LG, Lozovskaya LI, Miasnikova II, et al:
Biogenyie aminy v geneze pervichnykh
gipertonicheskikh sostoyaniy u detei.
Pediatria 52:14-7, Apr 73 (Rus)
ADOLESCENCE/ BIOGENIC AMINES, blood/
*BIOGENIC AMINES, metabolism/ CHILD/
ENGLISH ABSTRACT/ HISTAMINE,
metabolism/ HUMAN/ HYPERTENSION, blood/
HYPERTENSION, etiology/ *HYPERTENSION,
metabolism/ SEROTONIN, metabolism
2077. Konaka Y, Yawata M: [Bartter's syndrome with
overproduction of erythropoietin]
Jap J Clin Med 31:2829-33, Sep 73 (Jap)
ADOLESCENCE/ *ERYTHROPOIETIN,
biosynthesis/ HUMAN/
HYPERALDOSTERONISM, blood/
*HYPERALDOSTERONISM, metabolism/ MALE
2078. Kondo A, Yuasa T, Takato M, et al: [Histiocytosis X
(eosinophilic granuloma) associated with diabetes
insipidus and pulmonary and bone lesions]
Jap J Thorac Dis 11:481-5, Aug 73 (Jap)
ADULT/ *BONE AND BONES, pathology/
CASE REPORT/ *DIABETES INSIPIDUS,
complications/ *EOSINOPHILIC GRANULOMA,
complications/ EOSINOPHILIC GRANULOMA,
pathology/ HUMAN/ *LUNG, pathology/ MALE
2079. Kones RJ: The catecholamines: reappraisal of their use
for acute myocardial infarction and the low cardiac
output syndromes.
Crit Care Med 1:203-20, Jul-Aug 73 (173 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ADENYL
CYCLASE, metabolism/ CALCIUM,
metabolism/ *CARDIAC OUTPUT/
CATECHOLAMINES, pharmacodynamics/
*CATECHOLAMINES, therapeutic use/
DOPAMINE, therapeutic use/ HEART, drug
effects/ HEART DISEASES, drug therapy/
HUMAN/ ISOPROTERENOL, therapeutic use/
MEMBRANE POTENTIALS, drug effects/
METARAMINOL, therapeutic use/
*MYOCARDIAL INFARCT, drug therapy/
MYOCARDIAL INFARCT, metabolism/
MYOCARDIUM, enzymology/ MYOCARDIUM,
metabolism/ NOREPINEPHRINE, therapeutic
use/ OXYGEN CONSUMPTION/
PHOSPHODIESTERASES, metabolism/
REVIEW/ STIMULATION, CHEMICAL
2080. Kono N, Uyeda K: Chicken liver phosphofructokinase.
II. Cold inactivation. J Biol Chem 248:8603-9, 25 Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADENOSINE DIPHOSPHATE/ ADENOSINE
TRIPHOSPHATE/ ALLOSTERIC
REGULATION/ ANIMAL EXPERIMENTS/
CENTRIFUGATION, DENSITY GRADIENT/
CHICKENS/ CITRATES/ COLD/
DITHIOTHREITOL/ ENZYME ACTIVATION/
FRUCTOSEPHOSPHATES/ GEL FILTRATION/
GLUCOSEPHOSPHATES/ GLYCERIN/
HYDROGEN-ION CONCENTRATION/
KINETICS/ *LIVER, enzymology/
MACROMOLECULAR SYSTEMS/
PHOSPHATES/ *PHOSPHOFRUCTOKINASE/
PHOSPHOFRUCTOKINASE, antagonists &
inhibitors/ POTASSIUM CHLORIDE/ SALTS/
TEMPERATURE
2081. Kono T: [Introduction to Bartter's syndrome]
Jap J Clin Med 31:2802-11, Sep 73 (68 ref.) (Jap)
DIAGNOSIS, DIFFERENTIAL/ HUMAN/
*HYPERALDOSTERONISM/
HYPERALDOSTERONISM, diagnosis/
HYPERALDOSTERONISM, etiology/
HYPERALDOSTERONISM, physiopathology/
REVIEW
2082. Konstantinova MS: Monoaminy v periventrikularnykh
nervnykh kletkakh gipotalamusa mnogoi Lampetra
fluviatilis.
Zh Evol Biokhim Fiziol 9:307-8, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *BIOGENIC
AMINES, analysis/ *CEREBRAL VENTRICLES,
anatomy & histology/ *CYCLOSTOMES,
anatomy & histology/ ENGLISH ABSTRACT/
FEMALE/ *HYPOTHALAMUS, anatomy &
histology/ MALE/ MICROSCOPY,
FLUORESCENCE/ NEURONS, analysis/
PITUITARY GLAND, POSTERIOR, anatomy &
histology
2083. Kook AI, Trainin N: Hormone-like activity of a thymus
humoral factor on the induction of immune
competence in lymphoid cells.
J Exp Med 139:193-207, 1 Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
analysis/ ADENYL CYCLASE, analysis/
ANIMAL EXPERIMENTS/ *ANTIBODY
FORMATION/ *ANTIBODY PRODUCING
CELLS/ ANTIGEN-ANTIBODY REACTIONS/
GRAFT VS HOST REACTION/ *HORMONES/
*LYMPHOCYTES, immunology/ MICE/ MICE,
INBRED STRAINS/ SPLEEN, cytology/
SPLEEN, enzymology/ *SPLEEN, immunology/
*THYMUS GLAND, immunology

AUTHOR SECTION

2084. Kopczyńska-Kowalczykowa, Sieradzki J, Księżyk M: Osteoporoza a nadczynność tarczycy. Pol Przegl Radiol 37:589-95, Sep-Oct 73 (Pol) ADULT/ AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, complications/ *OSTEOPOROSIS, etiology
2085. Kopecký A, Votava V: Stimulace sekrece růstového hormonu teplem. Cesk Pediatr 28:480-2, Sep 73 (Cze) CHILD/ DWARFISM, PITUITARY, diagnosis/ *DWARFISM, PITUITARY, metabolism/ ENGLISH ABSTRACT/ GROWTH DISORDERS, diagnosis/ *GROWTH DISORDERS, metabolism/ *HEAT/ HUMAN/ *SOMATOTROPIN, secretion
2086. Kopple JD, Coburn JW: Evaluation of chronic uremia. Importance of serum urea nitrogen, serum creatinine, and their ratio. JAMA 227:41-4, 7 Jan 74 ADULT/ *BLOOD UREA NITROGEN/ BODY WEIGHT/ CHRONIC DISEASE/ *CREATININE, blood/ DIET THERAPY/ DIETARY PROTEINS, administration & dosage/ GLOMERULAR FILTRATION RATE/ GLUCOCORTICOIDs, administration & dosage/ HEMODIALYSIS/ HUMAN/ MALE/ MIDDLE AGE/ PROTEINS, metabolism/ SEX FACTORS/ TIME FACTORS/ *UREMIA, diagnosis/ UREMIA, metabolism/ UREMIA, therapy
2087. Korduba CA, Veals J, Symchowicz S: The effect of pheniramine and its structural analogues on 5-hydroxytryptamine in rat and mouse brain. Life Sci 13:1557-64, 1 Dec 73 AMINES/ AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BROMPHENIRAMINE, pharmacodynamics/ CHLORINE/ CHLORPHENIRAMINE, pharmacodynamics/ CHLORPROMAZINE, pharmacodynamics/ COMPARATIVE STUDY/ CORPUS STRIATUM, cytology/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ DESIPRAMINE, pharmacodynamics/ FLUORINE/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MICE/ *PHENIRAMINE, pharmacodynamics/ PROMETHAZINE, pharmacodynamics/ *SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SYNAPTOSOMES, drug effects/ *SYNAPTOSOMES, metabolism/ TIME FACTORS
2088. Koren E, Lukač J, Milković S: The effect of collagenase-like peptidase from rat testis and clostridial collagenase A on the rat seminal vesicle secretion and its coagulation. J Reprod Fertil 36:161-7, Jan 74 AGGLUTINATION/ ANIMAL EXPERIMENTS/ CYSTEINE, pharmacodynamics/ EDTA, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ISOFLUORPHATE, pharmacodynamics/ MALE/ PEPTIDE PEPTIDOHYDROLASES, antagonists & inhibitors/ *PEPTIDE PEPTIDOHYDROLASES, pharmacodynamics/ PROTEINS/ RATS/ *SEMINAL VESICLES, secretion/ *TESTIS, enzymology
2089. Korenev NM: Sostoiannie funktsii serdtsa i nekotorykh nefro-gumoral'nykh mekhanizmov regulatsii ee u detei i podrostkov s pervichnoi arterial'noi gipertoniei. Pediatrila 52:17-22, Apr 73 (Rus) ADOLESCENCE/ BRADYKININ, blood/ CATECHOLAMINES, blood/ CHILD/ ENGLISH ABSTRACT/ *HEART, physiology/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, blood/ HYPERTENSION, blood/ *HYPERTENSION, physiology/ *NEUROHUMORS/ SEROTONIN, blood/ SODIUM, blood
2090. Koreneva GF, Korenev IP, Shikaeva FV: Ekskretsiia luteiniziruiushchego hormona gipofiza pri narushenii menstrual'nogo tsikla. Akusg Ginekoi (Mosk) 49:49-53, May 73 (Rus)
- AMENORRHEA, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNOLOGIC TECHNIQS/ *LH, urine/ *MENSTRUATION DISORDERS, urine/ TIME FACTORS/ UTERINE HEMORRHAGE, urine
2091. Korenman SG, Bhalla RC, Stevens RH: Protein kinase translocation as an early event in the hormonal control of uterine contraction. Science 183:430-2, 1 Feb 74 *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES, drug effects/ CASTRATION/ CELL FRACTIONATION/ CYTOSOL, metabolism/ DEPRESSION, CHEMICAL/ ENZYME ACTIVATION/ FEMALE/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ MICROSOMES, metabolism/ *MUSCLE CONTRACTION, drug effects/ PHOSPHORUS RADIOISOTOPES/ *PROTEIN KINASE, metabolism/ RATS/ STIMULATION, CHEMICAL/ UTERUS, cytology/ UTERUS, enzymology/ *UTERUS, metabolism
2092. Korinek J, Spelsberg TC, Mitchell WM: mRNA transcription linked to the morphological and plasma membrane changes induced by cyclic AMP in tumour cells. Nature 246:455-8, 21 Dec 73 ADENINE NUCLEOTIDES, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELL LINE/ *CELL MEMBRANE, drug effects/ CHROMATIN, biosynthesis/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HISTONES, biosynthesis/ NEOPLASM PROTEINS, analysis/ NEOPLASM PROTEINS, biosynthesis/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ RATS/ *RNA, MESSENGER, biosynthesis/ *RNA, NEOPLASM, biosynthesis/ RNA POLYMERASE, metabolism/ SARCOMA, EXPERIMENTAL/ THEOPHYLLINE, pharmacodynamics/ TRANSCRIPTION, GENETIC, drug effects
2093. Korman M, Kahanpää K, Tähti E: Thermographic recording of the reaction of normal and varicocele scrotum to increased temperature. Andrologie 5:201-5, 1973 ADULT/ BATHS, FINNISH/ BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION/ *HEAT/ HUMAN/ INFRARED RAYS/ MALE/ METHODS/ *SCROTUM, physiology/ SCROTUM, physiology/ SKIN TEMPERATURE/ TESTIS, physiology/ TESTIS, physiology/ THERMOGRAPHY/ *VARICOCELE, physiology
2094. Korneev GIa: Sposob opredeleniia testosterona i androstendiona v moche. Probl Endokrinol (Mosk) 19:46-50, Nov-Dec 73 (Rus) ADULT/ *ANDROSTENEDIONE, urine/ COLORIMETRY/ ENGLISH ABSTRACT/ GEL FILTRATION/ HUMAN/ HYDRAZINES/ HYDRAZONES/ MALE/ METHODS/ MIDDLE AGE/ OXIDATION-REDUCTION/ *TESTOSTERONE, urine
2095. Kornitskiĭ MA: O tormozbenii blastomatoznogo protsessa v kostiakh pri iskusstvennom giperestrinism. Vopr Onkol 19:95-7, 1973 (Rus) ANIMAL EXPERIMENTS/ BENZANTHRACENES/ BONE DEVELOPMENT/ BONE DEVELOPMENT, drug effects/ BONE NEOPLASMS, chemically induced/ *BONE NEOPLASMS, etiology/ *ESTROGENS, physiology/ FEMALE/ FIBROSARCOMA, chemically induced/ *FIBROSARCOMA, etiology/ HEXESTROL, pharmacodynamics/ NEOPLASMS, EXPERIMENTAL, chemically induced/ RABBITS/ SARCOMA, EXPERIMENTAL, chemically induced/ SARCOMA, OSTEOGENIC, chemically induced/ *SARCOMA, OSTEOGENIC, etiology

AUTHOR SECTION

2096. Korotaev GK, Ardashev AA, Brovenko EF: Soderzhanie 11-okskortikosteroidov v plazme krovi poperechnorotnykh i kostistnykh ryb. Zh Evol Blokhim Fiziol 9:523-4, Sep-Oct 73 (Rus) ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *FISHES/ *11-HYDROXYCORTICOSTEROIDS, blood/ MALE/ SHARKS
2097. Korte I, Hockwin O: Proceedings: In vitro studies on the influence of some compounds on the metabolism of the crystalline lens. Exp Eye Res 17:397-8, 25 Nov 73 ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATTLE/ CHLORAMPHENICOL, pharmacodynamics/ *LENS, CRYSTALLINE, drug effects/ NUCLEOTIDES, analysis/ ORGAN CULTURE/ OXYGEN CONSUMPTION/ OXYPHENBUTAZONE, pharmacodynamics
2098. Korz R, Mann H: Thiocyanate metabolism and thyroid function in chronic renal insufficiency. Clin Nephrol 1:307-10, Sep-Oct 73 CHRONIC DISEASE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ IODINE RADIOISOTOPES/ KIDNEY FAILURE, CHRONIC, physiopathology/ PROTEIN-BOUND IODINE TEST/ SALIVA, analysis/ THIOCYANATES, analysis/ THIOCYANATES, analysis/ THIOCYANATES, blood/ THIOCYANATES, blood/ *THIOCYANATES, metabolism/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROTROPIN, administration & dosage/ THYROTROPIN, secretion/ THYROXINE, blood/ TRIIODOTHYRONINE, metabolism/ UREA, blood/ *UREMIA, metabolism/ UREMIA, physiopathology
2099. Kosaka F, Kasai K, Takasawa T, et al: [Panel discussion: anesthesia for patients with endocrine diseases. 1] Jap J Anesthesiol 22:1004-17, Sep 73 (Jap) *ANESTHESIA/ *ENDOCRINE DISEASES/ HUMAN/ PANCREAS, metabolism/ THYROID GLAND, metabolism
2100. Kosasa TS, Taymor ML, Goldstein DP, et al: Use of a radioimmunoassay specific for human chorionic gonadotropin in the diagnosis of early ectopic pregnancy. Obstet Gynecol 42:868-71, Dec 73 FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ LAPAROSCOPY/ PREGNANCY/ *PREGNANCY, TUBAL, diagnosis/ *RADIOIMMUNOASSAY/ TIME FACTORS
2101. Kosenko AF: Neurohumoral'ni shliakhy peredachl hipotalamichnykh vplyviv pry eksperymental'ni vyraztsi shlunka ta dvanadtsiatypaloi kysky. Fiziol Zh 19:625-9, Sep-Oct 73 (Ukr) ANIMAL EXPERIMENTS/ DOGS/ *DUODENAL ULCER, etiology/ ENGLISH ABSTRACT/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, secretion/ *HYPOTHALAMUS, physiology/ NEUROHUMORS, secretion/ *NEUROSECRETORY SYSTEMS, physiology/ *STOMACH ULCER, etiology
2102. Kosersky DS, Brown JK, Malone MH: Effects of cryogenine on adjuvant-induced arthritis and serum turbidity in rats. J Pharm Sci 62:1965-71, Dec 73 ADJUVANTS, IMMUNOLOGIC/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ *ALKALOIDS, therapeutic use/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRITIS, RHEUMATOID, blood/ *ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, immunology/ BODY WEIGHT/ CARRAGEENAN/ COTTON/ DENSITOMETRY/ EDEMA, chemically induced/ FEMALE/ GRANULOMA, chemically induced/ MYCOBACTERIUM/ PLANT EXTRACTS, therapeutic use/ *QUINOLIZINES, therapeutic use/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS
2103. Koskimies AI: Effects of cadmium on protein composition of fluids in rat rete testis and seminiferous tubules. Ann Med Exp Biol Fenn 51:74-81, 1973 ANIMAL EXPERIMENTS/ BLOOD PROTEIN ELECTROPHORESIS/ *BODY FLUIDS, metabolism/ *CADMIUM, pharmacodynamics/ GERM CELLS, drug effects/ MALE/ RATS/ SERUM ALBUMIN, metabolism/ SERUM GLOBULINS, metabolism/ TESTIS, drug effects/ *TESTIS, metabolism/ TIME FACTORS
2104. Ksiazcz-Folga A, Doliwa-Taborska J, Jackowska K: Próba oceny hadán elektroencefalografických v zespole předčasného dojrívání u dětí. Pediatr Pol 48:1247-53, 1973 (Pol) BRAIN, physiopathology/ CHILD/ CHILD, PRESCHOOL/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ *PUBERTY, PRECOCIOUS, physiopathology
2105. Kosovskii IuIu, Marega IN, Polokhtovich LS, et al: Kompleksnaya terapiya s vklucheniem metiluratsila i dannye radioindikatsii lecheni s bengal'skoi rozoj J131 pri infektsionnom gepatite. Vrach Delo 9:143-6, Sep 73 (Rus) HEPATITIS, INFECTIOUS, diagnosis/ *HEPATITIS, INFECTIOUS, drug therapy/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ LIVER FUNCTION TESTS/ *METHYLTHIOURACIL, therapeutic use/ RADIOISOTOPE DILUTION TECHNIC/ *ROSE BENGAL, diagnostic use
2106. Koss LG: Editorial: Cytogenetics and cancer. JAMA 226:1349, 10 Dec 73 ANEUPLOIDY/ AUTOSOME ABNORMALITIES, complications/ BLADDER NEOPLASMS, familial & genetic/ CELL TRANSFORMATION, NEOPLASTIC/ CHROMOSOME ABERRATIONS/ CHROMOSOMES, HUMAN, 21-22/ *CYTOGENETICS/ DIPLOIDY/ DNA, NEOPLASM/ HUMAN/ KARYOTYPING/ LEUKEMIA, MYELOCYTIC/ *NEOPLASMS, familial & genetic/ SEX CHROMATIN/ SEX CHROMOSOME ABNORMALITIES, complications
2107. Koss MC, Gray JW, Davison M, et al: Cardiovascular actions of prostaglandins E1 and F2 alpha in the cat. Eur J Pharmacol 24:151-7, Nov 73 ANIMAL EXPERIMENTS/ AORTA, drug effects/ BLOOD FLOW VELOCITY/ BLOOD PRESSURE, drug effects/ BRAIN STEM, blood supply/ CARDIAC OUTPUT, drug effects/ CATS/ CENTRAL NERVOUS SYSTEM, drug effects/ FEMALE/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ PULMONARY ARTERY, physiology/ REFLEX, drug effects/ REGIONAL BLOOD FLOW, drug effects/ VAGOTOMY/ VAGUS NERVE, physiology
2108. Kossakowski R, Sokolewicz E, Szeląg O: O wpływie terapeutycznym glikokortykoidów na przebieg wirusowego zapalenia wątroby u dzieci w zależności od występowania antygenu Australia. Pediatr Pol 48:1197-202, 1973 (Pol) ADOLESCENCE/ AGE FACTORS/ AMINOTRANSFERASES, blood/ AUSTRALIA ANTIGEN, isolation & purification/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS, therapeutic use/ *HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ INFANT/ LIVER, enzymology/ MALE
2109. Kostalas G, Thomas E: Orchitis and testicular abscess formation as complications of Salmonella virchow gastroenteritis. Med J Aust 2:769-70, 20 Oct 73 *ABSCCESS, etiology/ ADULT/ ANTIBIOTICS, therapeutic use/ CARRIER STATE/ *GASTROENTERITIS, complications/ GASTROENTERITIS, drug therapy/ HUMAN/ MALE/ *ORCHITIS, etiology/ *SALMONELLA INFECTIONS/ SALMONELLA INFECTIONS, drug therapy/ SEPTICEMIA, etiology/ *TESTICULAR DISEASES, etiology

AUTHOR SECTION

2110. Kosztolányi G, Méhes K, Trixler M, et al: Az XYY karyotípus szűrése nyugalmi sejtmagok fluoreszcens vizsgálatával. *Orv Hetil* 114:3150-3, 30 Dec 73 (Hun)
CELL NUCLEUS, anatomy & histology/
CYTOGENETICS/ HUMAN/ INFANT,
NEWBORN/ *KARYOTYPING/ MALE/ MASS
SCREENING/ *MICROSCOPY,
FLUORESCENCE/ *SEX CHROMOSOMES,
analysis
2111. Kothari RM, Taylor MW: RNA fractionation on reversed-phase columns.
J Chromatogr 86:289-324, 21 Nov 73 (184 ref.)
ADSORPTION/ AMINO ACIDS, analysis/
ANIMAL EXPERIMENTS/ BACILLUS,
analysis/ BACTERIOLOGICAL TECHNIQS/
CHICK EMBRYO/ CHICKENS/
CHROMATOGRAPHY, DEAE-CELLULOSE/
*CHROMATOGRAPHY, ION EXCHANGE/
ESCHERICHIA COLI, analysis/ HORMONES,
pharmacodynamics/ HYDROGEN-ION
CONCENTRATION/ INSECTS/
LACTOBACILLUS ACIDOPHILUS, analysis/
LIVER, analysis/ MAGNESIUM,
pharmacodynamics/ METHODS/ NEUROSPORA
CRASSA, analysis/ PLANT EXTRACTS,
analysis/ POLYNUCLEOTIDES/ RATS/
REVIEW/ *RNA, analysis/ RNA, BACTERIAL,
analysis/ RNA, NEOPLASM, analysis/
SACCHAROMYCES CEREVISIAE, analysis/
SALMONELLA, analysis/ STREPTOMYCES
ANTIBIOTICUS, analysis/ TEMPERATURE/
TISSUE EXTRACTS, analysis/ XENOPUS
2112. Kotlyar BI, Eroshenko TM: Plasticity of function of hypothalamic glucoreceptors.
Neurosci Behav Physiol 6:34-43, Jan-Mar 73
ACOUSTIC STIMULATION/ ANIMAL
EXPERIMENTS/ CONDITIONING, CLASSICAL/
ELECTRIC STIMULATION/ FEMALE/
*GLUCOSE, pharmacodynamics/
*HYPOTHALAMUS, drug effects/
HYPOTHALAMUS, physiology/ MALE/
MICROELECTRODES/ *NEURONS, drug
effects/ PHOTIC STIMULATION/ RABBITS/
RECEPTORS, DRUG, drug effects
2113. Koullischer L, Tyskens J, Mortelmans J: Mammalian cytogenetics. VI. The chromosomes of a male specimen of *Anoa depressicornis* quarlesi.
Acta Zool Pathol Antverp 56:21-4, Dec 72
ANIMAL EXPERIMENTS/ *BUFFALOES/
*CHROMOSOMES/ KARYOTYPING/ MALE/
SEX CHROMOSOMES
2114. Koullischer L, Tyskens J, Mortelmans J: Mammalian cytogenetics. VII. The chromosomes of *Cervus canadensis*, *Elaphurus davidianus*, *Cervus nippon* (Temminck) and *Pudu pudu*.
Acta Zool Pathol Antverp 56:25-30, Dec 72
ANIMAL EXPERIMENTS/ *CHROMOSOMES/
*DEER/ DIPLOIDY/ FEMALE/
KARYOTYPING/ MALE/ SEX CHROMOSOMES
2115. Koumans J: Male infertility caused by abnormal androgen production in the adrenal cortex.
Andrologie 4:379-84, 1972
ADULT/ CORTICOTROPIN, diagnostic use/
ESTROGENS, urine/ FSH, urine/
GONADOTROPINS, urine/ HUMAN/
*17-KETOSTEROIDS, urine/ LH, urine/ MALE/
PREDNISONE, therapeutic use/
SPERMATOZOA/ STERILITY, MALE, drug
therapy/ *STERILITY, MALE, urine
2116. Kourounakis P, Szabo S, Selye H: Effect of various steroids and ACTH on distribution of zoaxazolamine in rats. *J Pharm Sci* 62:1946-9, Dec 73
ADIPOSE TISSUE, analysis/ ANIMAL
EXPERIMENTS/ BRAIN CHEMISTRY, drug
effects/ CATATXIC STEROIDS,
pharmacodynamics/ CORTICOSTERONE,
pharmacodynamics/ *CORTICOTROPIN,
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ESTRADIOL, pharmacodynamics/ FEMALE/
FLUDROCORTISONE, pharmacodynamics/
*GLUCOCORTICIDS, pharmacodynamics/ IN
VITRO/ KIDNEY, analysis/ LIVER, analysis/
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PARALYSIS, chemically induced/
PREGNENOLONE CARBONITRILE,
pharmacodynamics/ RATS/ SPLEEN, analysis/
TRIAMCINOLONE, pharmacodynamics/
ZOAXAZOLAMINE, analysis/ *ZOAXAZOLAMINE,
metabolism/ ZOAXAZOLAMINE,
pharmacodynamics
2117. Kourounakis P, Szabo S, Selye H: Effect of various steroids and ACTH on distribution of zoaxazolamine in rats. *J Pharm Sci* 62:1946-9, Dec 73
ANIMAL EXPERIMENTS/ BRAIN
CHEMISTRY, drug effects/ *CORTICOTROPIN,
pharmacodynamics/ FEMALE/
*GLUCOCORTICIDS, pharmacodynamics/ IN
VITRO/ KIDNEY, abnormalities/ LIVER,
analysis/ RATS/ ZOAXAZOLAMINE, analysis/
*ZOAXAZOLAMINE, metabolism
2118. Kourounakis P, Szabo S, Selye H: Letter: Effect of various steroids and ACTH on metyprylon plasma levels and sleeping time in rats.
J Pharm Pharmacol 25:870-2, Aug 73
ANIMAL EXPERIMENTS/ CORTICOSTERONE,
pharmacodynamics/ *CORTICOTROPIN,
pharmacodynamics/
DESOXYCORTICOSTERONE,
pharmacodynamics/ FEMALE/
FLUDROCORTISONE, pharmacodynamics/
*METHYPRYLON, blood/ PREGNENOLONE
CARBONITRILE, pharmacodynamics/ RATS/
*SLEEP, drug effects/ SPIRONOLACTONE,
pharmacodynamics/ TRIAMCINOLONE,
pharmacodynamics
2119. Koutras DA, Christakis G, Trichopoulos D, et al: Endemic goiter in Greece: nutritional status, growth, and skeletal development of goitrous and non goitrous populations. *Am J Clin Nutr* 26:1360-8, Dec 73
ADOLESCENCE/ ADULT/ AGE
DETERMINATION BY SKELETON/ BODY
HEIGHT/ BODY WEIGHT/ CHILD/ FEMALE/
GOITER, ENDEMIC, blood/ *GOITER,
ENDEMIC, occurrence/ GREECE/ *GROWTH/
HAND, radiography/ HEALTH SURVEYS/
HUMAN/ IODINE, analysis/ LIPIDS, blood/
MALE/ *NUTRITION/ NUTRITION SURVEYS/
RURAL POPULATION/ SEX FACTORS/
SKINFOLD THICKNESS/ WATER, analysis/
WATER SUPPLY
2120. Koutras DA, Livadas D, Rigopoulos GA, et al: Iodine metabolism in autonomous hot nodules of the thyroid. *Clin Endocrinol (Oxf)* 2:249-53, Jul 73
*GOITER, NODULAR, metabolism/ HUMAN/
IODINE, blood/ *IODINE, metabolism/
IODINE, urine/ IODINE RADIOISOTOPES/
KIDNEY, metabolism/ PROTEIN-BOUND
IODINE TEST/ *THYROID GLAND,
metabolism
2121. Koutras DA, Psarras A, Malamos B: Pathogenesis and aetiology of endemic goitre in Greece.
Acta Endocrinol [Suppl] (Kbh) 45-6, 1973
ADAPTATION, PSYCHOLOGICAL/
COMPARATIVE STUDY/ DEFICIENCY
DISEASES, complications/ FEMALE/ *GOITER,
ENDEMIC, etiology/ GOITER, ENDEMIC,
occurrence/ GREECE/ HUMAN/ *IODINE/
IODINE, metabolism/ IODINE
RADIOISOTOPES/ METABOLIC CLEARANCE
RATE/ PROTEIN-BOUND IODINE TEST/
THYROID HORMONES, metabolism/
TRIIODOTHYRONINE, metabolism
2122. Koutras DA, Sinaniotis CA: Iodide goiter following lymphography. *J Pediatr* 83:83-4, Jul 73
CASE REPORT/ CHILD/ *GOITER, chemically
induced/ GOITER, diagnosis/ HUMAN/
IODINE RADIOISOTOPES/ IODIZED OILS,
administration & dosage/ *IODIZED OILS,
adverse effects/ *LYMPHOGRAPHY, adverse
effects/ MALE/ THYROID GLAND,
metabolism/ THYROID GLAND FUNCTION
TESTS/ THYROXINE, blood
2123. Kovács E, Tornócsky J, Horgász J: Pankreatitis nach Glukokortikoidtherapie.
Z Gesamte Inn Med 28:629-33, 15 Oct 73 (Ger)
ADULT/ AGED/ ASTHMA, drug therapy/
DIABETES MELLITUS, complications/

AUTHOR SECTION

ENGLISH ABSTRACT/ FEMALE/ HUMAN/
KIDNEY FAILURE, ACUTE, complications/
*PANCREATITIS, chemically induced/
*PREDNISOLONE, adverse effects/
PREDNISOLONE, therapeutic use

2124. Kovács M, Seliyel M, Szabó A, et al: Szűrővizsgálat a kettős Y chromosoma kimutatására bűnözők között. Orv Hetil 114:2896-901, 2 Dec 73 (Hun)
ADOLESCENCE/ BODY HEIGHT/ *CRIME/
*GENETICS, BEHAVIORAL/ HUMAN/
HUNGARY/ KARYOTYPING/ MALE/ MOUTH
MUCOSA, cytology/ *SEX CHROMOSOME
ABNORMALITIES, diagnosis/ SEX
CHROMOSOMES, analysis
2125. Koval'skif GS: Nekotorye pokazateli obmena kal'tsila i magnlia u bol'nykh gemorragicheskoi likhoradkoj s pochechnym sindromom. Ter Arkh 44:97-9, Jun 72 (Rus)
*CALCIUM, metabolism/ ENGLISH
ABSTRACT/ *EPIDEMIC HEMORRHAGIC
FEVER, metabolism/ HUMAN/ *KIDNEY
DISEASES, metabolism/ *MAGNESIUM,
metabolism/ SYNDROME/ TIME FACTORS
2126. Kowalski S, Mazanek E, Zalewski J, et al: Dwa przypadki współistnienia choroby Addisona z cukrzycą. Pol Tyg Lek 28:1900-1, 26 Nov 73 (Pol)
*ADDISON'S DISEASE, complications/ ADULT/
AGED/ *DIABETES MELLITUS, complications/
DIABETES MELLITUS, diagnosis/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ TIME
FACTORS
2127. Kozłowska K: The effect of ACTH and cortisone on gastric acid mucosubstances in rats. Digestion 9:241-7, Oct 73
ANIMAL EXPERIMENTS/ *CORTICOTROPIN,
pharmacodynamics/ *CORTISONE,
pharmacodynamics/ GASTRIC JUICE, analysis/
*GASTRIC MUCOSA, drug effects/ GEL
FILTRATION/ GLUCOSAMINE, analysis/
GLUCURONATES, analysis/ HEXOSAMINES,
isolation & purification/ HYALURONIDASE,
analysis/ MALE/ *MUCOPOLYSACCHARIDES,
isolation & purification/ PYLORUS, drug
effects/ RATS/ SULFATES, isolation &
purification/ URONIC ACIDS, isolation &
purification
2128. Kozłowski K, Hanicka M, Goscinska Z: X-ray abnormalities in tetra X females. (Report on two cases). Australas Radiol 17:189-95, Jun 73
AGE DETERMINATION BY SKELETON/
*BONE AND BONES, radiography/ CASE
REPORT/ CHILD/ FEMALE/ HUMAN/ *SEX
CHROMOSOME ABNORMALITIES, radiography
2129. Kraeling RR, Davis BJ: Termination of pregnancy by hypophysectomy in the pig. J Reprod Fertl 36:215-7, Jan 74
*ABORTION, INDUCED/ ANIMAL
EXPERIMENTS/ CORPUS LUTEUM/ FEMALE/
GESTATIONAL AGE/ *HYPOPHYSECTOMY/
PITUITARY GLAND, physiology/ PLACENTA,
secretion/ PREGNANCY/ PROGESTATIONAL
HORMONES, secretion/ *SWINE, physiology
2130. Kraeling RR, Gerrits RJ: Postmortem glycolysis in longissimus muscle of the hypophysectomized pig. J Anim Sci 37:1124-31, Nov 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR,
analysis/ BODY WEIGHT/ CHOLESTEROL,
blood/ FEMALE/ FRUCTOSEPHOSPHATES,
analysis/ GLUCOSE, analysis/
GLYCEROPHOSPHATES, analysis/ GLYCOGEN,
analysis/ *GLYCOLYSIS/ HYDROGEN-ION
CONCENTRATION/ HYPOPHYSECTOMY/
LACTATES, analysis/ LACTATES, blood/
MUSCLES, analysis/ *MUSCLES, metabolism/
PHOSPHOENOLPYRUVATE, analysis/
*PITUITARY GLAND, physiology/
*POSTMORTEM CHANGES/ PYRUVATES,
analysis/ *SWINE, physiology/ TIME
FACTORS
2131. Krakower CA, Greenspon SA: The importance of the included serum proteins in the immune response in rabbits to a rat skin xenograft. Am J Pathol 73:549-68, Dec 73
ADSORPTION/ ANIMAL EXPERIMENTS/
ANTIBODIES/ ANTIGEN-ANTIBODY
REACTIONS/ BLOOD PROTEINS, analysis/
*BLOOD PROTEINS, physiology/
CHONDROITIN, isolation & purification/
CHROMATOGRAPHY, ION EXCHANGE/ GEL
DIFFUSION TESTS/ GLYCOPROTEINS,
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*HISTOCOMPATIBILITY ANTIGENS, isolation
& purification/ HYPERSENSITIVITY,
IMMEDIATE, chemically induced/
IMMUNIZATION/ MALE/
MUCOPOLYSACCHARIDES, isolation &
purification/ RABBITS/ RATS/ SKIN/ SKIN,
anatomy & histology/ *SKIN, transplantation/
TESTIS/ TISSUE EXTRACTS, analysis/
*TRANSPLANTATION, HETEROLOGOUS/
*TRANSPLANTATION IMMUNOLOGY
2132. Krämer M: Untersuchungen über die biologischen Wirkungen des Rapsöls. Nahrung 17:643-51, 1973 (Ger)
ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ BODY WEIGHT,
drug effects/ CHOLESTEROL, metabolism/
*DIETARY FATS/ ENGLISH ABSTRACT/
LIPIDS, metabolism/ MALE/ MUSCLES,
metabolism/ MYOCARDIUM, metabolism/
OILS/ ORGAN WEIGHT/ PLANTS/ RATS
2133. Krashkova AM, Angelov AM: The influence of thyroxine, 1-methyl-2-mercaptimidazole and thyroidectomy on tissue catalase activity in guinea pigs. Acta Biol Med Ger 30:829-33, 1973
ANIMAL EXPERIMENTS/ *CATALASE,
metabolism/ GUINEA PIGS/ *IMIDAZOLES,
pharmacodynamics/ KIDNEY, enzymology/
LIVER, enzymology/ MALE/ MYOCARDIUM,
enzymology/ *THYROIDECTOMY/
*THYROXINE, pharmacodynamics
2134. Krasil'nikova Ala: Sovetanie beremennosti s kistami i kistomami laichnika. Feldsher Akush 38:27-8, JUL 73 (Rus)
CYSTADENOMA/ OVARIAN CYSTS/
OVARIAN NEOPLASMS/ PREGNANCY
COMPLICATIONS/ SPECIAL LIST NURSING
2135. Kratzer GL, Panas PG, Onsanit T: Mucosal biopsy in ulcerative colitis for evaluating topical hydrocortisone therapy. Dis Colon Rectum 16:468-72, Nov-Dec 73
ADMINISTRATION, ORAL/ ADOLESCENCE/
ADULT/ AGED/ BIOPSY/ CHILD/ *COLITIS,
ULCERATIVE, drug therapy/ COLITIS,
ULCERATIVE, pathology/ FEMALE/ HUMAN/
HYDROCORTISONE, TOPICAL, administration
& dosage/ *HYDROCORTISONE, TOPICAL,
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PROCTOSCOPY/
SALICYLAZOSULFAPYRIDINE, administration
& dosage/ SALICYLAZOSULFAPYRIDINE,
therapeutic use/ SIGMOIDOSCOPY
2136. Krauer F: Maternal and umbilical cord plasma-cortisol-concentrations related to different types of deliveries. Arch Gynaekol 215:343-50, 1973
BINDING, COMPETITIVE/ BLOOD/
CESAREAN SECTION/ CHROMATOGRAPHY,
ION EXCHANGE/ COMPARATIVE STUDY/
*DELIVERY/ EXTRACTION, OBSTETRICAL/
FEMALE/ HUMAN/ *HYDROCORTISONE,
blood/ INFANT, NEWBORN/ LABOR,
INDUCED/ PREGNANCY/ PROTEIN BINDING/
TRITUM/ *UMBILICAL CORD
2137. Krause W: Quantitative Untersuchungen zur normalen pränatalen Entwicklung von Gonocyten, Stützellen und Leydigzellen im Hoden der Maus. Andrologie 5:15-20, 1973 (Ger)
ANIMAL EXPERIMENTS/ CELL COUNT/
ENGLISH ABSTRACT/ *GERM CELLS/
GESTATIONAL AGE/ *LEYDIG CELLS/
MALE/ MICE/ *SERTOLI CELLS/ TESTIS,
cytology/ *TESTIS, embryology/ TIME
FACTORS

AUTHOR SECTION

2138. Krauze J: Zespół Löfgrena u 37-letniej kobiety. Doskonałe wyniki skojarzonego leczenia enkortonem i chlorochiną. Reumatologia 11:371-4, 1973 (Pol)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CHLOROQUINE, therapeutic use/ DRUG THERAPY, COMBINATION/ *ERYTHEMA NODOSUM, drug therapy/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, drug therapy/ *LYMPHOMA, drug therapy/ SARCOIDOSIS, drug therapy
2139. Kravkova EV, Strizhakov AN, Prokhorova LM, et al: Otdalennye rezul'taty lecheniya sinteticheskimi progestinami bol'nykh s endometriozom sheikmatkii retroservikal'nym endometriozom. Akush Ginekol (Mosk) 49:30-2, May 73 (Rus)
ADULT/ *CERVIX NEOPLASMS, drug therapy/ CHRONIC DISEASE/ COLPOSCOPY/ *ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ *PROGESTERONE, therapeutic use/ *UTERINE NEOPLASMS, drug therapy
2140. Krawczuk A, Szamatowicz M, Szamatowicz J: An evaluation of the androgenic activity in threatened abortion. Endokrinologie 61:161-7, May 73
ABORTION, THREATENED, drug therapy/ *ABORTION, THREATENED, urine/ *ANDROGENS, urine/ DIETHYLSTILBESTROL, therapeutic use/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ PREGNANTRIOL, urine/ PROGESTERONE, therapeutic use
2141. Krawczyk S, Lach H, Dziubek K: Seasonal changes of glycogen level in some organs of the edible frog (Rana esculenta L.). Folia Biol (Krakow) 21:445-53, 1973
ANIMAL EXPERIMENTS/ FEMALE/ FROGS/ *GLYCOGEN, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ MUSCLES, metabolism/ OVARY, metabolism/ *RANA ESCULENTA, metabolism/ SEASONS/ SEX FACTORS
2142. Krawitz S, Altman H, Milner S, et al: Oxymetholone therapy in children with aplastic and other refractory anaemias. S Afr Med J 47:1864-70, 13 Oct 73
ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ANEMIA, APLASTIC, congenital/ *ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, familial & genetic/ ANEMIA, APLASTIC, mortality/ *ANEMIA, SIDEROBLASTIC, drug therapy/ CHILD/ CHILD, PRESCHOOL/ ERYTHROCYTES, ABNORMAL/ ERYTHROPOIESIS/ FEMALE/ HUMAN/ INFANT/ MALE/ OXYMETHOLONE, adverse effects/ *OXYMETHOLONE, therapeutic use/ PREDNISONE, therapeutic use
2143. Krebs EG: Protein kinases. Curr Top Cell Regul 5:99-133, 1972 (185 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ BINDING SITES/ CALCIUM, pharmacodynamics/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ GLYCOGEN/ GLYCOGEN SYNTHETASE, biosynthesis/ GLYCOGEN SYNTHETASE, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LIPIDS, metabolism/ MOLECULAR WEIGHT/ MUSCLES, enzymology/ NUCLEOPROTEINS, metabolism/ ORGAN SPECIFICITY/ PHOSPHOPROTEINS, metabolism/ PHOSPHORYLASE KINASE, analysis/ PHOSPHORYLASE KINASE, metabolism/ PROTEIN BINDING/ *PROTEIN KINASE, metabolism/ PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ REVIEW/ SPECIES SPECIFICITY
2144. Krefchi P, Shediva V, Mikulash I, et al: Izmenenie soderzhanija prolaktina v gipofize krysa v protsesse ontogeneza polovogo sozrevaniia beremennosti i laktatsii. Probl Endokrinol (Mosk) 19:70-6, Nov-Dec 73 (Rus)
ANIMAL EXPERIMENTS/ DENSITOMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ *LACTATION/ *PITUITARY GLAND, growth & development/ PITUITARY GLAND, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROLACTIN, metabolism/ RATS
2145. Krejčí I, Barth T, Kupková B, et al: Pharmacology of oxytocin-(1-6)-hexapeptide amide, vasopressin-(1-6)-hexapeptide amide and their deamino analogues. Eur J Pharmacol 24:179-82, Nov 73
AMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DEAMINATION/ DIURESIS, drug effects/ FEMALE/ IN VITRO/ LACTATION/ MAGNESIUM, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLES, drug effects/ *OXYTOCIN, pharmacodynamics/ *PEPTIDES, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects/ *VASOPRESSIN, pharmacodynamics
2146. Krejčí P, Aušková M, Režábek K, et al: The effect of the ergoline derivative VUFB-6683 on the adenohipophysial prolactin concentration in rats. Experientia 29:1262-3, 15 Oct 73
ACETAMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ ELECTROPHORESIS, DISC/ *ERGOLINES, pharmacodynamics/ FEMALE/ LACTATION, drug effects/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, drug effects/ RATS
2147. Krenz J, Troup JD: The structure of the pars interarticularis of the lower lumbar vertebrae and its relation to the etiology of spondylolysis. J Bone Joint Surg [Am] 55:735-41, Nov 73
ADOLESCENCE/ ADULT/ AGED/ ESTROGENS, therapeutic use/ FEMALE/ *FRACTURES, etiology/ FRACTURES, pathology/ FRACTURES, radiography/ HUMAN/ *LUMBAR VERTEBRAE, anatomy & histology/ LUMBAR VERTEBRAE, pathology/ MALE/ MIDDLE AGE/ *SPINAL INJURIES, etiology/ SPINAL INJURIES, pathology/ SPINAL INJURIES, radiography/ SPONDYLOLISTHESIS, complications/ *SPONDYLOLISTHESIS, etiology/ SPONDYLOLISTHESIS, pathology/ SPONDYLOLISTHESIS, radiography/ STRESS, MECHANICAL
2148. Krishnan AR, Hingorani V, Laumas KR: Binding of 3H-oestradiol with receptors in the human endometrium and myometrium. Acta Endocrinol (Kbh) 74:756-68, Dec 73
BINDING, COMPETITIVE/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHLORMADINONE, pharmacodynamics/ CYTOPLASM, metabolism/ DIETHYLSTILBESTROL, pharmacodynamics/ *ENDOMETRIUM, metabolism/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ *ESTRONE, metabolism/ ESTRONE, pharmacodynamics/ FEMALE/ GEL FILTRATION/ HUMAN/ IN VITRO/ METHODS/ MOLECULAR WEIGHT/ MUSCLE, SMOOTH, metabolism/ NORETHINDRONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PROTEIN BINDING/ RECEPTORS, HORMONE/ TRITIUUM/ UTERUS, drug effects/ *UTERUS, metabolism
2149. Kroeger EA, Marshall JM: Beta-adrenergic effects on rat myometrium: mechanisms of membrane hyperpolarization. Am J Physiol 225:1339-45, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM/ CELL MEMBRANE, drug effects/ CELL MEMBRANE PERMEABILITY/ COMPARATIVE STUDY/ DRUG SYNERGISM/ ELECTROPHYSIOLOGY/ FEMALE/ IPROVERATRIL, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *MEMBRANE POTENTIALS, drug effects/ PAPAVERINE, pharmacodynamics

AUTHOR SECTION

- POTASSIUM/ PREGNANCY/ RATS/ *UTERUS, drug effects
2150. **Krstić MK**: The action of hordenine on the superior cervical ganglion of the cat. Arch Int Pharmacodyn Ther 205:267-80, Oct 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ CATS/ COCAINE, pharmacodynamics/ DIMETHYLAMINES, pharmacodynamics/ DMPP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ FEMALE/ *GANGLIA, SPINAL, drug effects/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IN VITRO/ MALE/ METHADONE, pharmacodynamics/ MORPHINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ NICOTINE, pharmacodynamics/ NICTITATING MEMBRANE, drug effects/ *PHENETHYLAMINES, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, CHOLINERGIC, drug effects/ TIME FACTORS
2151. **Krück F**: Pathogenese und Pathophysiologie des Strehhulkus. Med Klin 68:1389-93, 26 Oct 73 (32 ref.) (Ger)
ANIMAL EXPERIMENTS/ BURNS, complications/ CENTRAL NERVOUS SYSTEM DISEASES, complications/ COLD, adverse effects/ DOGS/ HEMODYNAMICS/ HUMAN/ MYOCARDIAL INFARCT, complications/ PEPTIC ULCER, chemically induced/ *PEPTIC ULCER, etiology/ PEPTIC ULCER, physiopathology/ RATS/ REVIEW/ SEPTICEMIA, complications/ SHOCK, complications/ STEROIDS, adverse effects/ *STRESS, complications/ STRESS, physiopathology/ STRESS, PSYCHOLOGICAL, complications/ SURGERY, OPERATIVE, adverse effects/ SWINE
2152. **Krüger R, Schulte-Wissermann H, Lühtrath H**: Immunhistologische Befunde am Hoden bei granulomatöser Orchitis. Dtsch Med Wochenschr 98:2215-8, 16 Nov 73 (Ger)
AGED/ BIOPSY/ COMPLEMENT, analysis/ EPIDIDYMITIS, pathology/ EPIDIDYMITIS, immunology/ EPIDIDYMITIS, pathology/ FLUORESCENT ANTIBODY TECHNIC/ *GRANULOMA, complications/ HUMAN/ IGA, analysis/ IGG, analysis/ MALE/ *ORCHITIS, immunology/ ORCHITIS, pathology/ TESTIS, pathology
2153. **Kruk ZL**: Dopamine and 5-hydroxytryptamine inhibit feeding in rats. Nature [New Biol] 246:52-3, 14 Nov 73
ANIMAL EXPERIMENTS/ APOMORPHINE, antagonists & inhibitors/ APOMORPHINE, pharmacodynamics/ APPETITE DEPRESSANTS, antagonists & inhibitors/ *APPETITE DEPRESSANTS, pharmacodynamics/ CYPROHEPTADINE, pharmacodynamics/ DEXTRO AMPHETAMINE, antagonists & inhibitors/ DEXTRO AMPHETAMINE, pharmacodynamics/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FENFLURAMINE, antagonists & inhibitors/ FENFLURAMINE, pharmacodynamics/ MALE/ PIMOZIDE, pharmacodynamics/ RATS/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics
2154. **Kruse HP, Kuhlencordt F, Wernecke U**: Die Bedeutung der Mastzellen im Knochenmark bei der Osteoporose. Dtsch Med Wochenschr 98:2388-91, 14 Dec 73 (Ger)
ADULT/ AGED/ *BONE MARROW, pathology/ BONE MARROW EXAMINATION/ BONE RESORPTION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MAST CELLS/ MIDDLE AGE/ *OSTEOPOROSIS, pathology/ SEX FACTORS
2155. **Krüsckemper G, Krüsckemper HL**: Intelligenzhöhe und -struktur bei Schilddrüsenfunktionsstörungen. Dtsch Med Wochenschr 98:2175-9, 16 Nov 73 (Ger)
AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ GOITER/ HUMAN/ HYPERTHYROIDISM/ HYPOTHYROIDISM/ *INTELLIGENCE/ INTELLIGENCE TESTS/ MALE/ PROTEIN-BOUND IODINE TEST/ PSYCHOPHYSIOLOGIC DISORDERS/ *THYROID DISEASES/ THYROXINE-BINDING PROTEIN, analysis
2156. **Kryk B, Stokłosa E, Brzegowy A**: Zmiany morfologiczne w tarczycy szczurzych hlzłych poddanych działaniu wibracji w przebiegu cyklu rujowego. Ginek Pol 44:1363-70, Dec 73 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, pathology/ RATS/ *THYROID GLAND, pathology/ *VIBRATION, adverse effects
2157. **Kubasik NP**: Letter: Thyroxine and triiodothyronine in cord serum. Clin Chem 20:95, 1974
ADULT/ BLOOD/ FEMALE/ HUMAN/ *PREGNANCY/ RADIOIMMUNOASSAY/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *UMBILICAL CORD
2158. **Kubasik NP, Sine HE, Murray MH**: Serum thyroxine: results compared for a commercial radioimmunoassay and a commercial competitive protein binding analysis. Clin Chem 19:1307-8, Nov 73
BINDING, COMPETITIVE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ METHODS/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *THYROXINE, blood
2159. **Kubik MM, Bhowmick BK**: Myocardial infarction and oral contraceptives. Br Heart J 35:1271-4, Dec 73
ADULT/ AGE FACTORS/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ HYPERLIPIDEMIA, complications/ HYPERTENSION/ LIPIDS, blood/ *MYOCARDIAL INFARCT, chemically induced/ MYOCARDIAL INFARCT, complications/ MYOCARDIAL INFARCT, familial & genetic/ SMOKING
2160. **Kučera J**: Vliv chemických látek na vývoj plodu. Cesk Gynecol 38:580-2, Sep 73 (Cze)
ANTINEOPLASTIC AGENTS, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ DIETHYLSTILBESTROL, adverse effects/ FEMALE/ *FETUS, drug effects/ HUMAN/ MERCURY, adverse effects/ PREGNANCY
2161. **Kuchinskii GA, Propp RM**: Arteriografia pri rake shchitovidnoi zhelezy. Vestn Rentgenol Radiol 48:67-73, Jul-Aug 73 (Rus)
ADOLESCENCE/ ADULT/ *ANGIOGRAPHY/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC METASTASIS/ MIDDLE AGE/ NEOPLASM METASTASIS/ THYROID GLAND, blood supply/ THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, radiography
2162. **Kuenzel WJ, Rubenstein JB**: Behavioral and physiological studies of a convulsing mutant chicken (Gallus domesticus). J Exp Zool 187:63-70, Jan 74
ACOUSTIC STIMULATION/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ BODY TEMPERATURE/ BODY WEIGHT/ *CHICKENS/ CONVULSIONS, familial & genetic/ CONVULSIONS, pathology/ CONVULSIONS, physiopathology/ *CONVULSIONS, veterinary/ DIPHENYLHYDANTOIN, therapeutic use/ ELECTRIC STIMULATION/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GENES, LETHAL/ GENES, RECESSIVE/ MUTATION/ PENTOBARBITAL, therapeutic use/ PHOTIC STIMULATION/ POULTRY DISEASES, familial & genetic/ POULTRY DISEASES, pathology/ *POULTRY DISEASES, physiopathology/ RECTUM/ SEX CHROMOSOMES

AUTHOR SECTION

2163. Kuklin VT, Gaichenko LI, Gorovatskaya DM, et al: O funktsional'nom sostoyanii shechitovidnoy zhelezy pri likhtioze.
Vestn Dermatol Venerol 47:19-23, Feb 73 (Rus)
ADOLESCENCE/ ADULT/ BASAL
METABOLISM/ CHILD/ CHOLESTEROL,
blood/ FEMALE/ HUMAN/ ICHTHYOSIS,
metabolism/ *ICHTHYOSIS, physiotherapy/
MALE/ MIDDLE AGE/ *THYROID GLAND,
physiotherapy/ THYROID GLAND
FUNCTION TESTS
2164. Kukreja SC, Hargis GK, Rosenthal IM, et al: Pheochromocytoma causing excessive parathyroid hormone production and hypercalcemia.
Ann Intern Med 79:838-40, Dec 73
ADOLESCENCE/ *ADRENAL GLAND
NEOPLASMS, complications/ ADRENAL
GLAND NEOPLASMS, surgery/
ADRENALECTOMY/ CASE REPORT/
CATECHOLAMINES, blood/ HUMAN/
*HYPERCALCEMIA, etiology/
*HYPERPARATHYROIDISM, SECONDARY,
etiology/ IMMUNOASSAY/ MALE/
*NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ *PARATHYROID HORMONE,
secretion/ *PHEOCHROMOCYTOMA,
complications/ PHEOCHROMOCYTOMA,
surgery/ VANILMANDLIC ACID, urine
2165. Kulbertus H: Etats d'hyperfonctionnement thyroïdien et troubles du rythme cardiaque.
Rev Med Liege 28:595-9, 1 Sep 73 (Fre)
*ARRHYTHMIA, etiology/ AURICULAR
FIBRILLATION, etiology/ AURICULAR
FLUTTER, etiology/ EXTRASYSTOLE,
etiology/ *GOITER, EXOPHTHALMIC,
complications/ HUMAN/ *HYPERTHYROIDISM,
complications/ TACHYCARDIA, etiology
2166. Kulcsár A, Kulcsár-Gergely J: Thyroidal regulation of ATP-ase activity in the liver.
Endokrinologie 61:339-41, Jun 73
*ADENOSINE TRIPHOSPHATASE, metabolism/
ANIMAL EXPERIMENTS/ CARBON
TETRACHLORIDE POISONING, enzymology/
CHRONIC DISEASE/ FEMALE/
HYPOTHYROIDISM, enzymology/ *LIVER,
enzymology/ RATS/ *THYROID GLAND,
physiology/ THYROIDECTOMY
2167. Kulinskii VI, Zolotarevskaya LI: Ob otsutstvii korrelatsii mezhdu villanem simpatikomimetikox na krovotok vo vnutrennikh organskh, napriazhenie kisloroda i vyzhivaemost' oblichennykh zhivotnykh.
Radiobiologiya 13:373-6, May-Jun 73 (Rus)
ANIMAL EXPERIMENTS/ BONE MARROW,
blood supply/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ EPINEPHRINE,
therapeutic use/ FEMALE/ INTESTINE,
SMALL, blood supply/ ISOPROTERENOL,
therapeutic use/ LIVER, blood supply/ MALE/
MICE/ MUSCLES, blood supply/
NOREPINEPHRINE, therapeutic use/
*OXYGEN CONSUMPTION, radiation effects/
PHENYLEPHRINE, therapeutic use/
*RADIATION INJURIES, EXPERIMENTAL,
drug therapy/ RADIATION INJURIES,
EXPERIMENTAL, mortality/
*RADIATION-PROTECTIVE AGENTS,
therapeutic use/ SEROTONIN,
therapeutic use/ SPLEEN, blood supply/
SPLEEN, metabolism/ SULFHYDRYL
COMPOUNDS, metabolism/
*SYMPATHOMIMETICS, therapeutic use
2168. Kullander S, Sandahl B: Fetal chromosome analysis after trans cervical placental biopsies during early pregnancy. Acta Obstet Gynecol Scand 52:355-9, 1973
ADOLESCENCE/ ADULT/ BIOPSY/ CELLS,
CULTURED/ ENDOSCOPY/ FEMALE/ *FETAL
MEMBRANES, cytology/ *FETUS, cytology/
FIBER OPTICS/ HUMAN/ KARYOTYPING/
METHODS/ *PLACENTA, cytology/
PREGNANCY/ *SEX CHROMOSOMES
2169. Kumagai A: [Experimental and clinical studies of adrenal cortex hyperfunction]
Jap J Urol 64:697-700, Sep 73 (Jap)
*ADRENAL GLAND HYPERFUNCTION/
ADRENOGENITAL SYNDROME/ ADULT/
CUSHING'S SYNDROME/ FEMALE/ HUMAN/
HYPERALDOSTERONISM/ MALE/ MIDDLE
AGE
2170. Kumahara Y, Okada Y, Miyai K, et al: [Isolated deficiency of anterior pituitary hormone]
Jap J Clin Med 31:2512-7, 10 Aug 73 (Jap)
ADOLESCENCE/ ADULT/ CHILD/
CORTICOTROPIN, metabolism/ FEMALE/
GONADOTROPINS, PITUITARY, metabolism/
HUMAN/ HYPOTHALAMO-HYPOPHYSAL
SYSTEM, physiotherapy/ MALE/ MIDDLE
AGE/ PITUITARY DISEASES, metabolism/
*PITUITARY HORMONES, ANTERIOR,
metabolism/ SOMATOTROPIN, metabolism/
THYROTROPIN, metabolism
2171. Kumaresan P: The effect of oxytocin antibodies on the litter size in rats.
Am J Obstet Gynecol 118:68-72, 1 Jan 74
ANIMAL EXPERIMENTS/ *ANTIBODIES/
ANTIBODY FORMATION/ FEMALE/
*FERTILITY/ LACTATION, drug effects/
OXYTOCIN, analysis/ *OXYTOCIN,
pharmacodynamics/ PITUITARY GLAND,
analysis/ PREGNANCY/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ RATS/
SPERM CAPACITATION, drug effects
2172. Kunc Z: Problémy chirurgie chromofobních adenomů hypofýzy.
Cesk Neurol Neurochir 36:349-56, Nov 73 (Cze)
*ADENOMA, CHROMOPHOBE, surgery/
ADULT/ AGED/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
NEOPLASM RECURRENCE, LOCAL/
*PITUITARY NEOPLASMS, surgery/ TIME
FACTORS
2173. Kunita H, Oara T, Komatsu T, et al: [Renin-aldosterone system and circadian variation of urinary electrolyte excretion]
Clin Endocrinol (Tokyo) 21:831-7, Aug 73 (Jap)
ADULT/ *ALDOSTERONE, physiology/
CIRCADIAN RHYTHM/ HUMAN/ MALE/
*POTASSIUM, urine/ *RENIN, physiology/
*SODIUM, urine
2174. Kuntz D, Teyssedou JP, Amouroux J, et al: Résultat du traitement prolongé de l'ostéoporose commune par la calcitonine de porc.
Rev Rhum Mal Osteoartic 40:565-71, Oct 73 (Fre)
ADULT/ AGED/ ALKALINE PHOSPHATASE,
blood/ BONE RESORPTION/ *CALCITONIN,
administration & dosage/ *CALCITONIN,
therapeutic use/ CALCIUM, blood/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ LONG TERM
CARE/ MALE/ MIDDLE AGE/
*OSTEOPOROSIS, drug therapy/
PHOSPHORUS, blood/ PROGNOSIS/ SWINE
2175. Kuntzel W, Mitzkat HJ: La diagnosi di glicosuria renale.
Minerva Med 64:3997-4000, 27 Oct 73 (Ita)
DIABETES MELLITUS, diagnosis/ DIAGNOSIS,
DIFFERENTIAL/ FANCONI SYNDROME,
diagnosis/ *GLYCOSURIA, RENAL, diagnosis/
GLYCOSURIA, RENAL, etiology/ HUMAN/
KIDNEY DISEASES, complications/ METHODS/
POISONING, complications/ PREGNANCY
COMPLICATIONS, diagnosis
2176. Kunugi A, Matsumoto U, Nagase Y: Microdetermination of adrenocortical steroids by double isotope method. 3. Distribution and incorporation of corticosteroids into human blood cell fractions. Endocrinol Jap 20:397-405, Aug 73
*ADRENAL CORTEX HORMONES, blood/
ALDOSTERONE, blood/ *BLOOD CELLS,
metabolism/ BLOOD PLATELETS, metabolism/
CORTICOSTERONE, blood/ CORTISONE,
blood/ DESOXYCORTICOSTERONE, blood/
ERYTHROCYTES, metabolism/ HUMAN/
HYDROCORTISONE, blood/ IN VITRO/
LEUKOCYTES, metabolism/ LYMPHOCYTES,
metabolism/ MALE/ METHODS/
PROGESTERONE, blood/ SULFUR
RADIOISOTOPES/ TRITIUM
2177. Kunze U, Orestano F: Intra- und extracelluläre

AUTHOR SECTION

Elektrolytkonzentration unter Oestrogen-Therapie
bei Prostatacarcinom-Patienten.

Urologe [A] 12:274-7, Sep 73 (Ger)

ACID-BASE EQUILIBRIUM/ ADULT/ AGE
FACTORS/ AGED/ BLOOD PROTEINS,
analysis/ ENGLISH ABSTRACT/
ERYTHROCYTES, analysis/ *ESTROGENS,
adverse effects/ ESTROGENS,
pharmacodynamics/ ESTROGENS, therapeutic
use/ EXTRACELLULAR SPACE/
HEMATOCRIT/ HEMOGLOBINOMETRY/
HUMAN/ MALE/ MIDDLE AGE/ POTASSIUM,
analysis/ POTASSIUM, blood/ *POTASSIUM,
metabolism/ *PROSTATIC NEOPLASMS, drug
therapy/ PROSTATIC NEOPLASMS,
metabolism/ SODIUM, analysis/ SODIUM,
blood/ *SODIUM, metabolism/
WATER-ELECTROLYTE BALANCE

2178. Kuo JF, Kuo WN: Regulation by beta-adrenergic
receptor and muscarinic cholinergic receptor
activation of intracellular cyclic AMP and cyclic GMP
levels in rat lung slices.

Biochem Biophys Res Commun 55:660-5, 10 Dec 73

*ACETYLCHOLINE, pharmacodynamics/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL
EXPERIMENTS/ COMPARATIVE STUDY/
*GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/
*HEXAMETHONIUM COMPOUNDS,
pharmacodynamics/ IN VITRO/
*ISOPROTERENOL, pharmacodynamics/ LUNG,
drug effects/ *LUNG, metabolism/
*PHENOXYBENZAMINE, pharmacodynamics/
*PROPRANOLOL, pharmacodynamics/
PROTEIN KINASE/ RATS/ *RECEPTORS,
ADRENERGIC, drug effects/ *RECEPTORS,
CHOLINERGIC, drug effects

2179. Kuppe G, Wetter O: Letter: Prostaglandins, bone
resorption and hypercalcemia.

N Engl J Med 290:230-1, 24 Jan 74

ADULT/ *BONE RESORPTION, drug effects/
FEMALE/ HUMAN/ *HYPERCALCEMIA,
chemically induced/ NEOPLASM
METASTASIS/ PREGNANCY/
*PROSTAGLANDINS, pharmacodynamics/
SARCOMA, RETICULUM CELL

2180. Kupriyanova EM, Belova TA: Funktsional'noe
sostoianie
gipotalamo-gipofizarno-nadpocheknikovoi sistemy u
bol'nykh s khronicheskim vospaleniem zhenskikh
polovnykh organov.

Akush Ginek (Mosk) 49:6-8, Mar 73 (Rus)

ADRENAL CORTEX HORMONES, urine/
*ADRENAL GLANDS, physiology/ *ADULT/
CHRONIC DISEASE/ ENGLISH
ABSTRACT/ EPINEPHRINE, diagnostic use/
FEMALE/ *GYNECOLOGIC DISEASES,
physiology/ HUMAN/ *HYPOTHALAMUS,
physiology/ INFLAMMATION,
physiology/ *PITUITARY GLAND,
physiology

2181. Kurachi K: [Cerebral amines and sexual function]

Clin Endocrinol (Tokyo) 21:1007-18, Oct 73 (Jap)

*AMINES, metabolism/ ANIMAL
EXPERIMENTS/ *BRAIN, metabolism/
FEMALE/ GONADOTROPINS, PITUITARY,
secretion/ IN VITRO/ RABBITS/ RATS/
*REPRODUCTION

2182. Kurachi K, Aono T, Minamikawa J, et al: [LH-RH
tolerance test in women with normal menstrual cycle
and those with ovulatory disorder]

Clin Endocrinol (Tokyo) 21:913-9, Sep 73 (Jap)

ADOLESCENCE/ ADULT/ AGED/ CHILD/
CHILD, PRESCHOOL/ FEMALE/ *FSH, blood/
HUMAN/ INFANT/ *LH, blood/ *LH-FSH
RELEASING HORMONE, pharmacodynamics/
*MENSTRUATION DISORDERS, blood/
MIDDLE AGE

2183. Kurelec B: Initial steps in the de novo pyrimidine
biosynthesis in Ascaris suum.

J Parasitol 59:1006-11, Dec 73

ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/

ASCARIS, enzymology/ *ASCARIS, metabolism/
ASPARTATE CARBAMOYL- TRANSFERASE,
metabolism/ ASPARTIC ACID, metabolism/
BICARBONATES, metabolism/ CARBAMATES,
biosynthesis/ CARBON RADIOISOTOPES/
CELL-FREE SYSTEM/ CHROMATOGRAPHY,
PAPER/ CYTOPLASM, enzymology/
CYTOSINE NUCLEOTIDES, pharmacodynamics/
FEMALE/ HYDROGEN-ION CONCENTRATION/
INTESTINES, enzymology/ MALEATES,
pharmacodynamics/ MITOCHONDRIA,
enzymology/ ORNITHINE, metabolism/
ORNITHINE CARBAMOYL- TRANSFERASE,
metabolism/ OVARY, enzymology/
PHOSPHATES, biosynthesis/
PHOSPHOTRANSFERASES, ATP, metabolism/
*PYRIMIDINES, biosynthesis/
STEREISOMERS/ TEMPERATURE

2184. Kuriyama K, Israel MA: Effect of ethanol
administration on cyclic 3',5'-adenosine
monophosphate metabolism in brain.

Biochem Pharmacol 22:2919-22, 15 Nov 73

*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE
TRIPHOSPHATE, metabolism/ ADENYL
CYCLASE, metabolism/ ALCOHOL, ETHYL,
blood/ *ALCOHOL, ETHYL,
pharmacodynamics/ ANIMAL EXPERIMENTS/
*BRAIN, metabolism/ CEREBRAL CORTEX,
enzymology/ FEMALE/ IN VITRO/ MICE/
NERVE TISSUE PROTEINS, metabolism/
PHOSPHODIESTERASES, metabolism/
RADIOIMMUNOASSAY/ TIME FACTORS/
TRITIUM

2185. Kurmaeva ME, Bobylev VI, Priorov AA: K diagnostike
i lecheniu vialo tekushchego vozvratnogo
revmokardita.

Sov Med 36:70-5, Mar 73 (Rus)

ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ ADULT/ AGED/
AMINO ACIDS, blood/ BLOOD
CIRCULATION/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
RECURRENCE/ RHEUMATIC HEART
DISEASE, blood/ *RHEUMATIC HEART
DISEASE, diagnosis/ RHEUMATIC HEART
DISEASE, drug therapy/ SALICYLATES,
therapeutic use

2186. Kurnit DM, Shafit BR, Malo JJ: Multiple satellite
deoxyribonucleic acids in the calf and their relation to
the sex chromosomes. J Mol Biol 81:273-84, 15 Dec 73

ANIMAL EXPERIMENTS/ CATTLE/ CELL
DIVISION/ CELL NUCLEUS, analysis/ CELLS,
CULTURED/ CENTRIFUGATION, DENSITY
GRADIENT/ *CHROMOSOMES/
CHROMOSOMES, analysis/ *DNA, isolation &
purification/ DNA, SINGLE STRANDED,
isolation & purification/ HETEROCHROMATIN,
analysis/ MICE/ *SEX CHROMOSOMES

2187. Kurti DJ, Patel SK: Diagnosis of adrenal cysts utilizing
the principle of total body opacification.

Am J Roentgenol Radlum Ther Nucl Med 119:576-9,
Nov 73

*ADRENAL GLAND DISEASES, radiography/
ADRENAL GLANDS, blood supply/ ADULT/
ANGIOGRAPHY/ *CYSTS, radiography/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
TECHNOLOGY, RADIOLOGIC/ TOMOGRAPHY,
RADIOGRAPHIC/ UROGRAPHY

2188. Kuruvilla A, Aliman R: Influence of
5-hydroxytryptamine on experimentally induced
atrial arrhythmias in dogs.

Indian J Physiol Pharmacol 17:111-6, Apr-Jun 73

ACETYLCHOLINE/ ACONITE/ ANIMAL
EXPERIMENTS/ *ARRHYTHMIA, chemically
induced/ AURICULAR FIBRILLATION,
chemically induced/ AURICULAR
FIBRILLATION, prevention & control/ DOGS/
DRUG SYNERGISM/
ELECTROCARDIOGRAPHY/ EXTRASYSTOLE,
chemically induced/ FEMALE/ INJECTIONS/
INJECTIONS, INTRAVENOUS/ MALE/
RESERPINE, therapeutic use/ *SEROTONIN,
toxicity/ SINO-ATRIAL NODE, drug effects/

AUTHOR SECTION

- TACHYCARDIA, chemically induced/ TIME FACTORS
2189. Kusunoki T, Tsuda Y, Takashima F: The chemoarchitectonics of the shark brain. *J Hirnforsch* 14:13-26, 1973
*ACETYLCHOLINESTERASE, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, enzymology/ COMPARATIVE STUDY/ CYPRINIDAE/ HYPOTHALAMUS, enzymology/ MEDULLA OBLONGATA, enzymology/ *MONOAMINE OXIDASE, metabolism/ NEURONS, enzymology/ *SHARKS, metabolism/ SPECIES SPECIFICITY/ SPINAL CORD, enzymology/ *SUCCINATE DEHYDROGENASE, metabolism
2190. Kuthan F, Sitar J, Wotke J: Polymyositis. *Vnitř Lek* 19:966-71, Oct 73 (Cze)
BIOPSY/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *MYOSITIS, diagnosis/ MYOSITIS, drug therapy/ MYOSITIS, pathology/ PREDNISONE, therapeutic use
2191. Kuwamura T, Nagao S, Nakamura S, et al: Suppressive effect of dexamethasone on morphine-induced adrenocorticotropogenesis in rat. *Endocrinol Jap* 20:359-63, Aug 73
ADRENAL CORTEX HORMONES, metabolism/ ADRENAL GLANDS, analysis/ ANIMAL EXPERIMENTS/ CORTICOSTERONE, analysis/ *CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, analysis/ INJECTIONS, SUBCUTANEOUS/ MALE/ MORPHINE, administration & dosage/ *MORPHINE, pharmacodynamics/ NALORPHINE, pharmacodynamics/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, drug effects/ RATS
2192. Kuznetsova MN: Predmenstrual'nyj sindrom i ego lechenie. *Akush Ginekol (Mosk)* 49:55-9, May 73 (Rus)
ADULT/ FEMALE/ HUMAN/ PERIODICITY/ PREMENSTRUAL TENSION, drug therapy/ PREMENSTRUAL TENSION, pathology/ *PREMENSTRUAL TENSION, therapy/ PSYCHOTHERAPY/ SEX HORMONES, therapeutic use/ TRANQUILIZING AGENTS, therapeutic use/ VITAMIN A, therapeutic use/ VITAMIN E, therapeutic use
2193. Kuzuya H, Ikuta K, Nagatsu T: Inhibition of dopamine-beta-hydroxylase by spinochrome A and ecbinochrome A, naphthoquinone pigments of ecbinoids. *Biochem Pharmacol* 22:2722-4, 1 Nov 73
ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ COPPER, pharmacodynamics/ DOPAMINE, metabolism/ *DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ IN VITRO/ NAPHTHOQUINONES, antagonists & inhibitors/ *NAPHTHOQUINONES, pharmacodynamics/ *SEA URCHINS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TYRAMINE, metabolism
2194. Laake K, Gjonnaess H, Fagerhol MK: Components of the kallikrein-kinin system and the spontaneous cold activation of factor VII in human plasma. *Acta Pharmacol Toxicol (Kbb)* 33:229-40, 1973
ANIMAL EXPERIMENTS/ BLOOD COAGULATION TESTS/ COLD/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DEPRESSION, CHEMICAL/ ENZYME ACTIVATION/ ESTERASES, antagonists & inhibitors/ ESTERASES, blood/ *ESTROGENS, pharmacodynamics/ *FACTOR VII, metabolism/ FEMALE/ HUMAN/ *KALLIKREIN, blood/ KAOLIN, pharmacodynamics/ KINETICS/ KININOGENS, blood/ *KININS, blood/ MALE/ PEPTIDE HYDROLASES, antagonists & inhibitors/ PEPTIDE HYDROLASES, blood/ PREGNANCY/ RATS/ STIMULATION
- CHEMICAL/ TEMPERATURE/ TIME FACTORS
2195. Laale H, Singh L: The antigenic pattern of the developing brain of the zebrafish, *Brachydanio rerio*. II. Brain specific antigens. *J Exp Zool* 186:257-68, Dec 73
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ *ANTIGENS/ *BRAIN, immunology/ FEMALE/ *FISHES, immunology/ IMMUNOELECTROPHORESIS/ MALE/ MUSCLES, immunology/ MYOCARDIUM, immunology/ OVARY, immunology/ RABBITS, immunology/ SKIN, immunology/ SPLEEN, immunology/ TESTIS, immunology
2196. LaBella FS, Dular R, Lemon P, et al: Prolactin secretion is specifically inhibited by nickel. *Nature* 245:330-2, 12 Oct 73
ANIMAL EXPERIMENTS/ CATTLE/ CHLORPROMAZINE, pharmacodynamics/ COPPER, antagonists & inhibitors/ COPPER, pharmacodynamics/ CORTICOTROPIN, metabolism/ DEPRESSION, CHEMICAL/ FSH, metabolism/ IN VITRO/ LH, metabolism/ *NICKEL, pharmacodynamics/ PITUITARY GLAND, metabolism/ *PROLACTIN, antagonists & inhibitors/ PROLACTIN, blood/ PROLACTIN, metabolism/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ STIMULATION, CHEMICAL/ THYROTROPIN, blood/ THYROTROPIN, metabolism
2197. Labhsetwar AP, Zolovick A: Hypothalamic interaction between prostaglandins and catecholamines in promoting gonadotrophin secretion for ovulation. *Nature [New Biol]* 246:55-6, 14 Nov 73
ANIMAL EXPERIMENTS/ ASPIRIN, administration & dosage/ *ASPIRIN, pharmacodynamics/ DOPAMINE, administration & dosage/ *DOPAMINE, pharmacodynamics/ DRUG COMBINATIONS/ FEMALE/ *GONADOTROPINS, secretion/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ HYPOTHALAMUS/ INJECTIONS/ *OVULATION, drug effects/ PITUITARY GLAND/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STEREOTAXIC TECHNIQS
2198. Lach H, Srebro Z, Krawczyk S: The influence of low-energy X-irradiation on neurosecretory activity in the hypothalamus of mice. *Folia Biol (Krakow)* 21:313-8, 1973
ANIMAL EXPERIMENTS/ *HYPOTHALAMUS, radiation effects/ MICE/ *NEUROSECRETION, radiation effects/ RADIATION DOSAGE/ *RADIATION EFFECTS/ TIME FACTORS
2199. Laforet EG, Norton CP, Sampson RJ: Disabling neuropathy associated with thymoma. Reversal by excision. *J Thorac Cardiovasc Surg* 67:164-6, Jan 74
ADULT/ CASE REPORT/ DEPTH PERCEPTION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LOCOMOTION/ NEUROLOGIC MANIFESTATIONS/ *PERIPHERAL NERVE DISEASES, etiology/ THYMECTOMY/ *THYMOMA, complications/ THYMOMA, radiography/ THYMOMA, surgery/ *THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, radiography/ THYMUS NEOPLASMS, surgery/ VERTIGO, etiology
2200. Lagercrantz H, Stjärne L, Flatmark T, et al: Artifactual subcellular distribution of dopamine beta-hydroxylase. Effects of dilution and non-specific protein on the dopamine beta-hydroxylase activity of membranes of adrenomedullary and sympathetic nerve vesicles. *Biochem Pharmacol* 22:3005-11, 1 Dec 73
*ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ CATALASE, metabolism/ CATECHOLAMINES, metabolism/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/

AUTHOR SECTION

- CHROMAFFIN SYSTEM, metabolism/
CYTOCHROME OXIDASE, metabolism/
*DOPAMINE BETA HYDROXYLASE,
metabolism/ IN VITRO/ MEMBRANES,
enzymology/ MITOCHONDRIA, enzymology/
*NEURONS, enzymology/ *PROTEINS,
metabolism/ SERUM ALBUMIN, metabolism/
SUCROSE/ SYMPATHETIC NERVOUS
SYSTEM, cytology/ *SYMPATHETIC
NERVOUS SYSTEM, enzymology/ TRITIUM
2201. La Grange RG, Sloop CH, Schmid HE: Selective stimulation of renal nerves in the anesthetized dog. Effect on renin release during controlled changes in renal hemodynamics. *Circ Res* 33:704-12, Dec 73
ANESTHESIA, GENERAL/ ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ DOGS/ ELECTRIC STIMULATION/ ELECTROLYTES, blood/ ELECTROLYTES, urine/ FEMALE/ GLOMERULAR FILTRATION RATE/ IODINE RADIOISOTOPES/ IOTHALAMIC ACID/ KIDNEY, blood supply/ *KIDNEY, innervation/ MALE/ NATRIURESIS/ PENTOBARBITAL/ RADIOIMMUNOASSAY/ REGIONAL BLOOD FLOW/ RENAL ARTERY, physiology/ RENIN, blood/ *RENIN, secretion/ *SYMPATHETIC NERVOUS SYSTEM, physiology
2202. Lahiri P: Influence of age and climatological variations on blood glucose and adrenomedullary catecholamines in the pigeon. *Acta Physiol Pol* 24:817-29, Nov-Dec 73
*ADRENAL MEDULLA, secretion/ AGE FACTORS/ ANIMAL EXPERIMENTS/ *BLOOD SUGAR/ *CLIMATE/ *EPINEPHRINE, secretion/ HEAT/ *NOREPINEPHRINE, secretion/ *PIGEONS, physiology/ SEASONS
2203. Laird R, Yates R: Ultrastructural observations on the aldosterone-stimulated toad urinary bladder epithelium-ATPase activity. *J Ultrastruct Res* 44:339-48, Sep 73
*ADENOSINE TRIPHOSPHATASE, metabolism/
*ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLADDER, cytology/ BLADDER, drug effects/ *BLADDER, enzymology/ BUFO MARINUS/ EPITHELIUM, cytology/ EPITHELIUM, drug effects/ EPITHELIUM, enzymology/ FEMALE/ HISTOCYTOCHEMISTRY/ IN VITRO/ MICROSCOPY, ELECTRON/ TIME FACTORS
2204. Laisi U, Leisti S, Leppälä J, et al: Growth hormone and cortisol secretion in man. *Acta Physiol Scand* 89:192-7, Oct 73
ADULT/ ELECTRIC STIMULATION/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ FLUOROMETRY/ HUMAN/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ MALE/ PAIN/ RADIOIMMUNOASSAY/ SLEEP STAGES/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ WAKEFULNESS
2205. Laitinen O: Kalsitoninlinen terapeuttinen käyttö. *Duodecim* 89:1401-2, Jul 73 (Fin)
CALCITONIN, adverse effects/ *CALCITONIN, therapeutic use/ HUMAN/ *HYPERCALCEMIA, drug therapy/ OSTEOPOROSIS, drug therapy
2206. Lake CR, Fann WE: Possible potentiation of haloperidol neurotoxicity in acute hyperthyroidism. *Br J Psychiatry* 123:523-5, Nov 73
*HALOPERIDOL, adverse effects/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ PROPANOLOL, therapeutic use/ SCHIZOPHRENIA, drug therapy/ SPASM, chemically induced/ THYROID HORMONES, physiology
2207. Lake N, Jordan LM, Phillips JW: Evidence against cyclic adenosine 3',5'-monophosphate (AMP) mediation of noradrenaline depression of cerebral cortical neurones. *Brain Res* 60:411-21, 12 Oct 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CATS/ *CEREBRAL CORTEX, cytology/ DEPRESSION, CHEMICAL/ DRUG INTERACTIONS/ GUINEA PIGS/ NEURAL TRANSMISSION, drug effects/ *NEURONS, drug effects/ NEURONS, physiology/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ SPECIES SPECIFICITY
2208. Lake N, Phillips JW, Yarbrough GG: Involvement of calcium in the inhibitory effects of putative transmitter substances in the cerebral cortex. *J Physiol (Lond)* 233:47P-49P, Aug 73
ANIMAL EXPERIMENTS/ CALCIUM, antagonists & inhibitors/ *CALCIUM, physiology/ *CEREBRAL CORTEX, physiology/ DEPRESSION, CHEMICAL/ NEURAL TRANSMISSION/ NEURONS, physiology/ RATS/ RECEPTORS, HORMONE
2209. Lake RB, Gann DS: Dynamic response of the intact canine adrenal to infused ACTH. *Ann Biomed Eng* 1:56-68, Sep 72
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ COMPARATIVE STUDY/ *CORTICOTROPIN, administration & dosage/ CORTICOTROPIN, pharmacodynamics/ DOGS/ 17-HYDROXYCORTICOSTEROIDS, blood/ HYPOPHYSECTOMY/ INJECTIONS, INTRAVENOUS/ MATHEMATICS/ MODELS, BIOLOGICAL
2210. Lakin KM, Ilusov VA, Ovnanova MA, et al: Izmenenie agregatsii i soderzhanie 5-okstiriptamina v trombotsitakh pod vliyaniem antagonistov serotoninina. *Kardiologiya* 13:27-32, Jan 73 (Rus)
ALKALOIDS, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ AMINOSALICYLIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ DIMETHYLAMINES, pharmacodynamics/ ENGLISH ABSTRACT/ ERGOTAMINE, pharmacodynamics/ FEMALE/ INDOLES, pharmacodynamics/ MALE/ PAPAVERINE, pharmacodynamics/ *PLATELET ADHESIVENESS, drug effects/ RABBITS/ *SEROTONIN, antagonists & inhibitors/ SEROTONIN, metabolism
2211. Lala AK, Kulkarni AB: Methandienone-I. A convenient method for the separation of 17alpha-methyl-17beta-hydroxyandrost-1,4-dien-3-one and 17alpha-methyl-17beta-hydroxyandrost-1,4,6-trien-3-one. *Steroids* 22:763-6, Dec 73
*ANDROSTENOLS, isolation & purification/ KETOSTEROIDS, isolation & purification/ *METHANDROSTENOLONE, isolation & purification/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ SOLVENTS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SULFITES
2212. Lam HY, Schnoes HK, DeLuca HF, et al: 24,25-Dihydroxyvitamin D3. Synthesis and biological activity. *Biochemistry* 12:4851-5, 20 Nov 73
ANIMAL EXPERIMENTS/ CALCIUM, blood/ *CALCIUM, metabolism/ CHEMISTRY/ CHOLESTENES/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DEUTERIUM/ DIHYDROXYCHOLECALCIFEROLS, chem synthesis/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, drug effects/ *DUODENUM, metabolism/ *HYDROXYCHOLECALCIFEROL/ INTESTINAL ABSORPTION, drug effects/ KETOSTEROIDS/ KIDNEY, physiology/ MALE/ NEPHRECTOMY/ NORSTEROIDS/ NUCLEAR MAGNETIC RESONANCE/ OPTICAL ROTATION/ RATS/ SPECTROPHOTOMETRY, INFRARED/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS
2213. Lamarque JL, Jaspard W, Delille A, et al:

AUTHOR SECTION

- Radio-anatomie angiographique des surrénales.
Ann Radiol (Paris) 16:549-63, Sep-Oct 73 (Fre)
ADRENAL GLANDS, blood supply/
*ADRENAL GLANDS, radiography/
*ANGIOGRAPHY/ CATHETERIZATION/
METHODS
2214. Lamberg BA: Endemic goitre in Finland.
Acta Endocrinol [Suppl] (Khh) 23-5, 1973
ADULT/ CHILD/ FINLAND/ FOOD
ANALYSIS/ GOITER, prevention & control/
*GOITER, ENDEMIC, occurrence/ GOITER,
NODULAR, occurrence/ HUMAN/ INFANT,
NEWBORN/ IODIDES, blood/ IODINE,
analysis/ IODINE, metabolism/ IODINE,
therapeutic use/ IODINE, urine/ IODINE
RADIOISOTOPES/ MIDDLE AGE/
PROTEIN-BOUND IODINE TEST/ SODIUM
CHLORIDE
2215. Lamberg BA, Kantero RL, Saarinen P, et al: Endocrine
changes before and after the menarche. 3. Total
thyroxine and "free thyroxine index", and the
binding capacity of thyroxine binding proteins in
female adolescents.
Acta Endocrinol (Khh) 74:685-94, Dec 73
ADOLESCENCE/ AGE FACTORS/ BLOOD
PROTEIN ELECTROPHORESIS/ BODY
HEIGHT/ BODY WEIGHT/ BREAST, growth
& development/ CHILD/ ELECTROPHORESIS/
FEMALE/ GEL FILTRATION/ HUMAN/
*MENARCHE/ PROTEIN BINDING/
PUBERTY/ *THYROXINE, blood/
THYROXINE, metabolism/
*THYROXINE-BINDING PROTEIN, blood/
*TRIODOXYRONINE, metabolism/ VULVA,
growth & development
2216. Lamberg BA, Kantero RL, Saarinen P, et al: Endocrine
changes before and after the menarche. IV. Serum
thyrotrophin in female adolescents.
Acta Endocrinol (Khh) 74:695-702, Dec 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
BREAST, growth & development/ CHILD/
FEMALE/ GEL FILTRATION/
HEMAGGLUTINATION TESTS/ HUMAN/
IMMUNE SERUMS/ MALE/ *MENARCHE/
RADIOIMMUNOASSAY/ *THYROTROPIN,
blood/ THYROXINE, blood/ VULVA, growth
& development
2217. Lambotte C: Le diagnostic néonatal des maladies
métaboliques héréditaires.
Rev Med Liege 28:837-51, 15 Dec 73 (Fre)
ACIDOSIS, etiology/ AMINO ACID
METABOLISM, INBORN ERRORS, diagnosis/
AMINO ACID METABOLISM, INBORN
ERRORS, therapy/ CARBOHYDRATE
METABOLISM, INBORN ERRORS, diagnosis/
CYSTIC FIBROSIS, diagnosis/ DIET
THERAPY/ DIETARY PROTEINS/ FRUCTOSE,
metabolism/ GALACTOSEMIA, diagnosis/
GENES, RECESSIVE/ HUMAN/
HYPOTHYROIDISM, congenital/
HYPOTHYROIDISM, diagnosis/ INFANT,
NEWBORN/ INFANT, NEWBORN, DISEASES,
diagnosis/ MALE/ MASS SCREENING/
METABOLISM, INBORN ERRORS,
complications/ *METABOLISM, INBORN
ERRORS, diagnosis/ PHENYLKETONURIA,
blood/ PHENYLKETONURIA, diagnosis
2218. Lambotte R, Hustin J: Les progestatifs et le cancer de
l'endomètre. Rev Med Liege 28:662-7, Oct 73 (Fre)
ADULT/ ENDOMETRIUM/ ESTRADIOL,
metabolism/ ESTRIOL, metabolism/
ESTROGENS, metabolism/ ESTRONE,
metabolism/ FEMALE/ HUMAN/ MIDDLE
AGE/ PROGESTATIONAL HORMONES,
metabolism/ *PROGESTATIONAL HORMONES,
therapeutic use/ *UTERINE NEOPLASMS,
drug therapy/ UTERINE NEOPLASMS,
metabolism
2219. Lammi AT, Lovric VA: Idiopathic thrombocytopenic
purpura: an epidemiologic study.
J Pediatr 83:31-6, Jul 73
AGE FACTORS/ AUSTRALIA/ BONE
MARROW, pathology/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ FOLLOW-UP
- STUDIES/ GLUCOCORTICOIDS, therapeutic
use/ HUMAN/ INFANT/ MALE/ PURPURA,
THROMBOPENIC, drug therapy/ *PURPURA,
THROMBOPENIC, occurrence/ PURPURA,
THROMBOPENIC, pathology/ PURPURA,
THROMBOPENIC, therapy/ SEX FACTORS/
SPLENECTOMY/ TIME FACTORS
2220. Lamoreux ML: Brown-orange tortoiseshell cat.
J Hered 64:240, Jul-Aug 73
ANIMAL EXPERIMENTS/ *CATS/ FEMALE/
GENOTYPE/ *HAIR/ *LINKAGE (GENETICS)/
MALE/ PEDIGREE/ PIGMENTATION/ SEX
CHROMOSOMES
2221. Lander JJ, Aach RD: Editorial: Genetic "markers" for
chronic liver disease? N Engl J Med 290:103-4, 10 Jan 74
ANTINUCLEAR FACTORS, analysis/
*AUTOANTIBODIES, analysis/ AUTOIMMUNE
DISEASES/ *HEPATITIS, familial & genetic/
HEPATITIS, immunology/
HISTOCOMPATIBILITY ANTIGENS, analysis/
HUMAN/ IMMUNITY, CELLULAR/ *LIVER
CIRRHOSIS, OBSTRUCTIVE, familial &
genetic/ LIVER CIRRHOSIS, OBSTRUCTIVE,
immunology/ MITOCHONDRIA, immunology/
MUSCLE, SMOOTH, immunology/ STOMACH,
immunology/ THYROID GLAND, immunology
2222. Landwirth J, Berger A: Systemic lupus erythematosus
and Klinefelter syndrome.
Am J Dis Child 126:851-3, Dec 73
ADOLESCENCE/ ANEMIA, HEMOLYTIC,
AUTOIMMUNE, etiology/ HUMAN/
KARYOTYPING/ *KLINEFELTER'S
SYNDROME, complications/ KLINEFELTER'S
SYNDROME, familial & genetic/ *LUPUS
ERYTHEMATOSUS, SYSTEMIC, complications/
LUPUS ERYTHEMATOSUS, SYSTEMIC,
etiology/ MALE/ METHODS
2223. Lane RP, Bailey ME: The effect of pH on
dimethylnitrosamine formation in human gastric
juice. Food Cosmet Toxicol 11:851-4, Oct 73
CHROMATOGRAPHY, GAS/
DIMETHYLAMINES, hlosynthesis/
DIMETHYLAMINES, metabolism/ FEMALE/
*GASTRIC JUICE, metabolism/ HUMAN/
HYDROGEN-ION CONCENTRATION/ MALE/
NITRITES, metabolism/ *NITROSAMINES,
hlosynthesis/ SPECTRUM ANALYSIS, MASS/
THIOCYANATES, analysis
2224. Lang IR: Relief of respiratory obstruction by
intubation without the aid of general anaesthesia.
S Afr Med J 47:2301-3, 1 Dec 73
AIRWAY OBSTRUCTION, etiology/ *AIRWAY
OBSTRUCTION, surgery/ *ANESTHESIA,
GENERAL/ BRONCHOPNEUMONIA,
complications/ CHILD/ CHILD, PRESCHOOL/
DIPHTHERIA, complications/ EDEMA,
prevention & control/ HUMAN/
HYDROCORTISONE, administration & dosage/
INFANT/ *INTUBATION, INTRATRACHEAL/
INTUBATION, INTRATRACHEAL, mortality/
MEASLES, complications/ METHODS/
OXYPHENBUTAZONE, administration &
dosage/ TRACHEAL DISEASES, prevention &
control
2225. Lang RE, Fehm HL, Voigt KH, et al: Two ACTH species
in rat pituitary gland. FEBS Lett 37:197-9, 1 Dec 73
ADRENAL GLANDS, secretion/ ANIMAL
EXPERIMENTS/ BIOLOGICAL ASSAY/
COMPARATIVE STUDY/ CORTICOSTERONE,
secretion/ *CORTICOTROPIN, analysis/ GEL
FILTRATION/ IODINE RADIOISOTOPES/
MALE/ MOLECULAR WEIGHT/
PHENYLALANINE/ *PITUITARY GLAND,
analysis/ RADIOIMMUNOASSAY/ RATS/
SWINE/ TRITIUM
2226. Langan TA: Protein kinases and protein kinase
substrates.
Adv Cyclic Nucleotide Res 3:99-153, 1973 (252 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ BINDING SITES/ CELL

AUTHOR SECTION

- DIVISION/ CELL MEMBRANE, enzymology/
 ENZYME ACTIVATION/ ENZYME
 INDUCTION/ ESCHERICHIA COLI, drug
 effects/ ESCHERICHIA COLI, enzymology/
 HISTONES/ ISOENZYMES, metabolism/
 KINETICS/ MOLECULAR WEIGHT/ PROTEIN
 BINDING/ PROTEIN KINASE, analysis/
 PROTEIN KINASE, antagonists & inhibitors/
 *PROTEIN KINASE, metabolism/ REVIEW/
 RNA, biosynthesis/ RNA, BACTERIAL,
 biosynthesis/ RNA POLYMERASE, metabolism/
 SPECIES SPECIFICITY/ SUBCELLULAR
 FRACTIONS, enzymology
2227. Lange PH, Hakala TR, Fraley EE: Immunobiology of
 genitourinary tumors.
 Urology 2:485-92, Nov 73 (83 ref.)
 ADENOCARCINOMA, immunology/
 ANTIBODIES, administration & dosage/
 ANTIBODIES, NEOPLASM, analysis/
 ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS,
 NEOPLASM, analysis/ ANTIGENS, NEOPLASM,
 urine/ CARCINOEMBRYONIC ANTIGEN,
 analysis/ CARCINOMA, TRANSITIONAL CELL,
 immunology/ CYTOTOXICITY TESTS,
 IMMUNOLOGIC/ FEMALE/ FLUORESCENT
 ANTIBODY TECHNIC/ HUMAN/
 HYPERSENSITIVITY, DELAYED/ IMMUNITY,
 CELLULAR/ IMMUNOTHERAPY/ KIDNEY
 NEOPLASMS, immunology/ LEUKOCYTE
 CULTURE TEST, MIXED/ MALE/
 NEPHROBLASTOMA, immunology/
 NEUROBLASTOMA, immunology/ PROSTATIC
 NEOPLASMS, immunology/ REVIEW/
 TESTICULAR NEOPLASMS, immunology/
 *UROGENITAL NEOPLASMS, immunology/
 UROGENITAL NEOPLASMS, prevention &
 control
2228. Langlois ND, Hunder GG, Riggs BL, et al: Transient
 painful osteoporosis of the lower extremities.
 J Bone Joint Surg [Am] 55:1188-96, Sep 73
 ADULT/ *ANKLE JOINT/ BIOPSY/ BONE
 AND BONES, pathology/ FEMALE/ *FOOT
 DISEASES, diagnosis/ *HIP JOINT/ HUMAN/
 *JOINT DISEASES, diagnosis/ JOINT
 DISEASES, pathology/ JOINT DISEASES,
 radiography/ JOINT DISEASES, therapy/
 *KNEE JOINT/ LIVER FUNCTION TESTS/
 MALE/ MIDDLE AGE/ *OSTEOPOROSIS,
 diagnosis/ OSTEOPOROSIS, pathology/
 OSTEOPOROSIS, radiography/ OSTEOPOROSIS,
 therapy/ PAIN/ RECURRENCE/ REMISSION/
 TIME FACTORS
2229. Lanier AP, Noller KL, Decker DG, et al: Cancer and
 stilbestrol. A follow-up of 1,719 persons exposed to
 estrogens in utero and born 1943-1959.
 Mayo Clin Proc 48:793-9, Nov 73
 ADENOCARCINOMA, chemically induced/
 ADOLESCENCE/ ADULT/ CERVIX
 NEOPLASMS, chemically induced/ CHILD/
 CHILD, PRESCHOOL/
 *DIETHYLSTILBESTROL, adverse effects/
 ESTROGENS, administration & dosage/
 *ESTROGENS, adverse effects/ ESTROGENS,
 therapeutic use/ FEMALE/ FOLLOW-UP
 STUDIES/ HUMAN/ INFANT/ INFANT,
 NEWBORN/ MALE/ *MATERNAL-FETAL
 EXCHANGE/ MINNESOTA/ *NEOPLASMS,
 chemically induced/ PREGNANCY/
 PROGESTERONE, adverse effects/
 PROSPECTIVE STUDIES/ *UROGENITAL
 NEOPLASMS, chemically induced/ VAGINAL
 NEOPLASMS, chemically induced
2230. Lanman JT, Herod L, Thau R: Phospholipids and fatty
 acids in relation to the premature induction of labor in
 rabbits. Pediatr Res 8:1-4, Jan 74
 ANIMAL EXPERIMENTS/ ARACHIDONIC
 ACID, pharmacodynamics/ BIOLOGICAL
 TRANSPORT, ACTIVE/ DRUG SYNERGISM/
 ESTERS/ *FATTY ACIDS, ESSENTIAL,
 pharmacodynamics/ FEMALE/ INFUSIONS,
 PARENTAL/ INJECTIONS, INTRAVENOUS/
 *LABOR, INDUCED/ LECITHINS,
 pharmacodynamics/ LINOLEIC ACID,
 pharmacodynamics/ OLEIC ACID,
 pharmacodynamics/ OXYTOCIN,
 pharmacodynamics/ *PHOSPHOLIPIDS,
 pharmacodynamics/ PREGNANCY/
 PROSTAGLANDINS, metabolism/
 PROSTAGLANDINS, physiology/ RABBITS/
 STEARIC ACID, pharmacodynamics/
 TRIGLYCERIDES, pharmacodynamics/
 UTERUS/ UTERUS, drug effects
2231. Lantos CP, Dahl V, Cordero Funes JR, et al: A
 correlation study between adrenal function and the
 duration of sustained ACTH treatments in the rat.
 Acta Physiol Lat Am 23:277-87, Apr 73
 *ADRENAL GLANDS, drug effects/
 ALDOSTERONE, secretion/ ANIMAL
 EXPERIMENTS/ BODY WEIGHT,
 drug effects/ CORTICOSTERONE, secretion/
 *CORTICOTROPIN, administration & dosage/
 DESOXYCORTICOSTERONE, secretion/
 HYDROXYCORTICOSTEROIDS, secretion/
 INJECTIONS, SUBCUTANEOUS/ MALE/
 ORGAN WEIGHT/ RATS/ TIME FACTORS
2232. Lapin VI: Sravitel'noe izuchenie zhirnostei i
 kachestvennogo sostava lipidov rechnoi kambaly
 (Platichthys flesus L.) Belogo i Chernogo morei.
 Biol Nauki 111:41-8, 1973 (Rus)
 ACCLIMATIZATION/ ANIMAL
 EXPERIMENTS/ CHOLESTEROL, metabolism/
 COMPARATIVE STUDY/ FATTY ACIDS,
 NONESTERIFIED, metabolism/ FEMALE/
 *FISHES, metabolism/ *GONADS, metabolism/
 *LIPIDS, metabolism/ *LIVER, metabolism/
 MALE/ MUSCLE PROTEINS, metabolism/
 *MUSCLES, metabolism/ PHOSPHOLIPIDS,
 metabolism/ PROTEINS, metabolism/
 REPRODUCTION/ USSR
2233. Laro S, Boissier JR: Action de la sérotonine sur les
 effets hémodynamiques d'une perfusion de
 noradrénaline.
 Therapie 28:339-51, Mar-Apr 73 (Fre)
 ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
 drug effects/ DOGS/ ENGLISH ABSTRACT/
 FEMALE/ HEART, drug effects/
 *HEMODYNAMICS, drug effects/ MALE/
 *NOREPINEPHRINE, pharmacodynamics/
 *SEROTONIN, pharmacodynamics/ VASCULAR
 RESISTANCE, drug effects
2234. Laron Z, Josefsberg Z, Doron M: Effect of L-dopa on the
 secretion of plasma growth hormone in children and
 adolescents. Clin Endocrinol (Oxf) 2:1-7, Jan 73
 ADOLESCENCE/ ARGININE, diagnostic use/
 CHILD/ CHILD, PRESCHOOL/ DOPA,
 administration & dosage/ *DOPA,
 pharmacodynamics/ FEMALE/ HUMAN/
 *HYPOPITUITARISM, physiopathology/
 INSULIN, diagnostic use/ MALE/
 *SOMATOTROPIN, secretion/ TIME FACTORS
2235. Larsen JF: Ultrastructure of the abnormal human
 trophoblast. Acta Anat (Basel) 86:Suppl 61:47-74, 1973
 CELL NUCLEUS/ CELLULAR INCLUSIONS/
 CHORIOCARCINOMA, metabolism/
 *CHORIOCARCINOMA, pathology/
 COMPARATIVE STUDY/ CYTOPLASM/
 DESMOSOMES/ ENDOPLASMIC RETICULUM/
 FEMALE/ GESTATIONAL AGE/ GOLGI
 APPARATUS/ GONADOTROPINS, CHORIONIC,
 biosynthesis/ HUMAN/ *HYDATIDIFORM
 MOLE, pathology/ LIVER, cytology/
 MICROSCOPY, ELECTRON/ MITOCHONDRIA/
 PHAGOCYTOSIS/ POLYRIBOSOMES/
 PREGNANCY/ *TROPHOBLASTIC TUMOR,
 pathology
2236. Larsen LA, Teubner EJ, Burnell JM: Determination of
 CO₂ in biological materials.
 J Appl Physiol 35:782-5, Nov 73
 BICARBONATES, analysis/ *BONE AND
 BONES, analysis/ *CARBON DIOXIDE,
 analysis/ CARBONATES, analysis/ HUMAN/
 MANOMETRY/ METHODS/ *MUSCLES,
 analysis
2237. Larsen OA, Lassen NA: Treatment of chronic
 gangrenous skin lesions with measures increasing
 distal blood pressure with special regard to induced
 moderate hypertension.
 Scand J Clin Lab Invest 31:Suppl 128:213, 1973
 AGED/ AMPUTATION/ BLOOD FLOW

AUTHOR SECTION

- VELOCITY/ *BLOOD PRESSURE, drug effects/ CHRONIC DISEASE/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUDROCORTISONE, adverse effects/ FLUDROCORTISONE, pharmacodynamics/ *FLUDROCORTISONE, therapeutic use/ *GANGRENE, drug therapy/ GANGRENE, surgery/ HUMAN/ *ISCHEMIA, drug therapy/ ISCHEMIA, surgery/ *LEG, blood supply/ *LEG ULCER, drug therapy/ LEG ULCER, surgery/ MALE/ REGIONAL BLOOD FLOW, drug effects/ SODIUM CHLORIDE, therapeutic use/ STIMULATION, CHEMICAL/ TIME FACTORS
2238. Larson LB, Dodds JM, Massoth DM, et al: Nutritional status of children of Mexican-American migrant families. *J Am Diet Assoc* 64:29-35, Jan 74
AGE FACTORS/ ANTHROPOMETRY/ AVITAMINOSIS, occurrence/ BLOOD CHEMICAL ANALYSIS/ CHILD/ *CHILD NUTRITION/ CHILD, PRESCHOOL/ DENTAL CARIES, occurrence/ DIET/ ETHNIC GROUPS/ FAMILY CHARACTERISTICS/ FEMALE/ GROWTH/ HEALTH SURVEYS/ HUMAN/ INFANT/ MALE/ MEXICO/ *NUTRITION DISORDERS, occurrence/ NUTRITION SURVEYS/ POVERTY/ TEXAS/ *TRANSIENTS AND MIGRANTS/ VITAMIN A/ VITAMIN D
2239. Larsson C, Anggard E: Letter: Arachidonic acid lowers and indomethacin increases the blood pressure of the rabbit. *J Pharm Pharmacol* 25:652-3, Aug 73
ANIMAL EXPERIMENTS/ *ARACHIDONIC ACID, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ *INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRA-ARTERIAL/ MALE/ PROSTAGLANDINS, urine/ RABBITS
2240. Laryea E, Row VV, Volpé R: The effect of blood leucocytes from patients with Hashimoto's disease on human thyroid cells in monolayer culture. *Clin Endocrinol (Oxf)* 2:23-35, Jan 73
ANTIBODIES, analysis/ *AUTOIMMUNE DISEASES/ CELLS, CULTURED/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ HUMAN/ IMMUNE SERUMS/ IODINE, metabolism/ *LEUKOCYTES, immunology/ MYXEDEMA, immunology/ *THYROID GLAND, immunology/ THYROID GLAND, metabolism/ *THYROIDITIS, LYMPHOMATOUS, immunology
2241. Laspe H, Knorr D: Immunchemische Bestimmung des luteinlisierenden Hormons (LH) im Nativharn gesunder Kinder. *Z Kinderheilkd* 115:41-8, 9 Aug 73 (Ger)
ADOLESCENCE/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ IMMUNOCHEMISTRY/ IMMUNOLOGIC TECHNIQS/ *LH, urine/ MALE/ METHODS/ PUBERTY
2242. László F: A hypothalamus működése és annak klinikai vonatkozása. *Orv Hetil* 114:3001-7, 16 Dec 73 (102 ref.) (Hun)
ANIMAL EXPERIMENTS/ CORTICOTROPIN RELEASING HORMONE, biosynthesis/ HUMAN/ HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, physiopathology/ HYPOTHALAMUS, secretion/ LH-FSH RELEASING HORMONE, biosynthesis/ PITUITARY HORMONE RELEASING HORMONES, biosynthesis/ RATS/ REVIEW/ SOMATOTROPIN RELEASING HORMONE, biosynthesis/ THYROTROPIN RELEASING HORMONE, biosynthesis
2243. László FA, Csernay L, Kocsis J: Effect of vasopressin administration on renal haemodynamic changes in rats treated with ACTH. *Res Exp Med (Berl)* 161:195-202, 22 Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ *CORTICOTROPIN, adverse effects/ CORTISONE, adverse effects/ DRUG INTERACTIONS/ KIDNEY, blood supply/ *KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, pathology/ *KIDNEY CORTEX NECROSIS, chemically induced/ MALE/ RATS/ REGIONAL BLOOD FLOW, drug effects/ VASCULAR RESISTANCE, drug effects/ *VASOPRESSIN, adverse effects
2244. Latner AL, Prudhoe K: A simplified competitive protein-binding assay for adenosine 3',5'-monophosphate in plasma. *Clin Chim Acta* 48:353-7, 15 Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADRENAL GLANDS/ ADULT/ CATTLE/ COMPARATIVE STUDY/ CROSS REACTIONS/ EVALUATION STUDIES/ HUMAN/ MALE/ METHODS/ MICROCHEMISTRY/ PROTEIN BINDING/ RECEPTORS, DRUG/ TRITIUM
2245. Latorre H, Kenny FM: High-dosage intravenous calcium therapy for osteoporosis and osteomalacia in anticonvulsant therapy with hypomobalization. *Pediatrics* 53:100-5, Jan 74
ALKALINE PHOSPHATASE, blood/ *CALCIUM, administration & dosage/ CALCIUM, blood/ CALCIUM, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DIPHENYLHYDANTOIN, adverse effects/ FEMALE/ HUMAN/ INFANT/ OSTEOMALACIA, blood/ *OSTEOMALACIA, drug therapy/ OSTEOPOROSIS, blood/ *OSTEOPOROSIS, drug therapy/ PHENOBARBITAL, adverse effects/ PHOSPHORUS, blood/ RICKETS, blood/ RICKETS, chemically induced/ *RICKETS, drug therapy
2246. Latorre H, Kenny FM: Idiopathic gynecomastia in seven preadolescent boys. Elevation of urinary estrogen excretion in two cases. *Am J Dis Child* 126:771-3, Dec 73
AGE FACTORS/ BREAST, pathology/ CHILD/ CHILD, PRESCHOOL/ ESTROGENS, urine/ GYNECOMASTIA, congenital/ *GYNECOMASTIA, etiology/ GYNECOMASTIA, familial & genetic/ GYNECOMASTIA, pathology/ GYNECOMASTIA, surgery/ GYNECOMASTIA, urine/ HUMAN/ INFANT/ INFANT, NEWBORN/ 17-KETOSTEROIDS, urine/ MALE/ PUBERTY/ TESTOSTERONE, urine/ TIME FACTORS
2247. Latt SA: Microfluorometric detection of deoxyribonucleic acid replication in human metaphase chromosomes. *Proc Natl Acad Sci USA* 70:3395-9, Dec 73
AUTORADIOGRAPHY/ BROMODEOXYURIDINE, metabolism/ CHROMOSOMES, analysis/ *CHROMOSOMES, metabolism/ COMPARATIVE STUDY/ DNA, analysis/ *DNA REPLICATION/ *FLUORESCENT DYES/ HUMAN/ LEUKOCYTES, cytology/ METHODS/ MICROSCOPY, FLUORESCENCE/ QUINACRINE/ SEX CHROMOSOMES, analysis/ SEX CHROMOSOMES, metabolism/ *SPECTROMETRY, FLUORESCENCE/ STAINS AND STAINING/ THYMIDINE, metabolism/ TRITIUM
2248. Lattaud C: Autodifférenciation ovarienne chez l'annélide *Oligochète Eisenia foetida* f. typica Sav. démontrée au moyen de la culture organotypique. *C R Acad Sci [D] (Paris)* 276:1737-40, 12 Mar 73 (Fre)
ANIMAL EXPERIMENTS/ *ANNELIDA/ *CELL DIFFERENTIATION/ ORGAN CULTURE/ *OVARY, cytology/ OVARY, growth & development
2249. Lattimer JK, Smith AM, Dougherty LJ, et al: The optimum time to operate for cryptorchidism. *Pediatrics* 53:98-9, Jan 74
AGE FACTORS/ CHILD, PRESCHOOL/ CRYPTORCHISM, complications/ *CRYPTORCHISM, surgery/ HERNIA, complications/ HERNIA, surgery/ HUMAN/ MALE/ PSYCHOLOGY

AUTHOR SECTION

2250. Latysh VN, Kudinov LI: O neposredstvennykh rezul'tatakh, chastote i kharaktere oslozhnenii kortikosteroidnoi terapii.
Ter Arkh 45:107-11, May 73 (Rus)
*ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGE FACTORS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ SEX FACTORS/ TIME FACTORS
2251. Lau NI, Davis BK, Chang MC, et al: Stimulation of in vitro 3H-uridine uptake and RNA synthesis in mouse blastocysts by 17beta-estradiol.
Proc Soc Exp Biol Med 144:333-8, 1 Oct 73
ANIMAL EXPERIMENTS/ *BLASTOCYST, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ MICE/ PREGNANCY/ *RNA, biosynthesis/ STIMULATION, CHEMICAL/ TISSUE CULTURE/ TRITIUM/ *URIDINE, metabolism
2252. Lauenstein NH, Wilson KH: Midtrimester abortion induced with a single intra-amniotic instillation of prostaglandin F2 alpha.
Am J Obstet Gynecol 118:210-7, 15 Jan 74
*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ AMNIOTIC FLUID/ FEMALE/ FETAL HEART/ GASTROINTESTINAL DISEASES, chemically induced/ HEART RATE/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS/ LACTATION/ METHODS/ PARITY/ PREGNANCY/ PRESSURE/ PROGESTERONE, blood/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS/ UTERUS, drug effects/ UTERUS, physiology
2253. Launiala K: Psykosomaattiset valvat murrosiässä.
Duodecim 89:728-33, 1973 (Fin)
ADOLESCENCE/ CHILD/ FEMALE/ GASTROINTESTINAL DISEASES/ HEADACHE/ HUMAN/ MALE/ PHYSICIAN-PATIENT RELATIONS/ *PSYCHOPHYSIOLOGIC DISORDERS, therapy/ *PUBERTY/ VASCULAR DISEASES
2254. Laurent C, Papathanassiou Z, Haour P, et al: Etude mitotique et melotique de 70 cas de stérilité masculine. Mitotische und melotische untersuchungen an 70 fällen von sterilität des mannes.
Andrologie 5:193-200, 1973 (Fre)
ADULT/ CELL COUNT/ *CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES/ ENGLISH ABSTRACT/ HUMAN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, familial & genetic/ LEYDIG CELLS, cytology/ MALE/ MEIOSIS/ MITOSIS/ MOSAICISM/ PHENOTYPE/ *SPERMATOGENESIS/ SPERMATOZOA, cytology/ *STERILITY, MALE, familial & genetic/ TESTICULAR DISEASES, familial & genetic/ TESTIS, cytology
2255. Lauritzen C: Behandlung klimakterischer Beschwerden in der Praxis.
Z Allgemeinmed 49:1376-9, 20 Oct 73 (Ger)
*CLIMACTERIC/ ESTROGENIC SUBSTANCES, CONJUGATED, therapeutic use/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ MIGRAINE, drug therapy/ TABLETS
2256. Laut AD: Do pytanii pro vplyv hipotalamusa na ohlino-endokrynni protsesy.
Fiziol Zh 19:884-91, Sep-Oct 73 (Ukr)
*CUSHING'S SYNDROME, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *HYPOPITUITARISM, metabolism/ *HYPOTHALAMUS, metabolism
2257. Lautsevichus LZ, Zhvinkiene OG, Vilimas VA, et al: Kal'tsinoz arterii pri vyrazhennoi pochechnoi osteodistrofii.
Ter Arkh 44:84-90, Jun 72 (Rus)
ADULT/ *ARTERIAL OCCLUSIVE DISEASES, etiology/ ARTERIAL OCCLUSIVE DISEASES, pathology/ AUTOPSY/ *CALCINOSIS, etiology/ CALCINOSIS, pathology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY, pathology/ MALE/ NEPHROSCLEROSIS, pathology/ *RENAL OSTEODYSSTROPHY, complications/ RENAL OSTEODYSSTROPHY, pathology
2258. Lauzon S de, Cattanov N, Desfosses B, et al: A new approach for quantitative evaluation of cross-reactivity of steroids with an antiserum by radioimmunoassay: application to a highly specific anti-estradiol. Steroids 22:747-61, Dec 73
ANIMAL EXPERIMENTS/ *ANTIBODY SPECIFICITY/ CROSS REACTIONS/ ESTRADIOL/ *ESTRADIOL, analysis/ ESTRONE/ IMMUNE SERUMS/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ SHEEP, immunology/ TRITIUM
2259. Laverdant C, Cristau P, Molinie C, et al: Les formes cholestatiques des hépatites virales.
Ann Med Interne (Paris) 124:807-10, Aug-Sep 73 (Fre)
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ AMINOTRANSFERASES, blood/ AUSTRALIA ANTIGEN/ BILIRUBIN, blood/ CHOLECYSTECTOMY/ *CHOLESTASIS, etiology/ CHOLESTYRAMINE, therapeutic use/ FEMALE/ HEMODIALYSIS/ *HEPATITIS, INFECTIOUS, complications/ HEPATITIS, INFECTIOUS, drug therapy/ HEPATITIS, INFECTIOUS, therapy/ HUMAN/ HYPERLIPIDEMIA, etiology/ INTUBATION/ LIPIDS, blood/ MALE/ MANNITOL, therapeutic use/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PROGNOSIS
2260. Lawton NF, Ellis SM, Sufi S: The triiodothyronine and thyroxine response to thyrotrophin-releasing hormone in the assessment of the pituitary-thyroid axis. Clin Endocrinol (Oxf) 2:57-63, Jan 73
ADMINISTRATION, ORAL/ HUMAN/ INJECTIONS, INTRAVENOUS/ PITUITARY DISEASES, pathophysiology/ *PITUITARY GLAND, secretion/ STIMULATION, CHEMICAL/ *THYROID GLAND, secretion/ THYROTROPIN RELEASING HORMONE, administration & dosage/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROXINE, secretion/ *TRIIODOTHYRONINE, secretion
2261. Lazarow A, Wells LJ, Carpenter AM, et al: The Banting Memorial Lecture 1973: Islet differentiation, organ culture, and transplantation.
Diabetes 22:877-912, Dec 73 (102 ref.)
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ CORTICOSTERONE, pharmacodynamics/ DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, pathology/ DIABETES MELLITUS, therapy/ FEMALE/ FETUS/ GLUCOSE, pharmacodynamics/ HUMAN/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, pathology/ ISLANDS OF LANGERHANS, secretion/ ISLANDS OF LANGERHANS, transplantation/ ORGAN CULTURE/ PANCREAS, transplantation/ PREGNANCY/ RADIOIMMUNOASSAY/ RATS/ REVIEW/ STAINS AND STAINING/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS
2262. Leach CS, Hulley SB, Rambaut PC, et al: The effect of hedrest on adrenal function.
Space Life Sci 4:415-23, Sep-Dec 73
*ADRENAL GLANDS, physiology/ ADULT/ BONE AND BONES, drug effects/ EPINEPHRINE, secretion/ EPINEPHRINE, urine/ *EXERTION/ HUMAN/ HYDROCORTISONE, secretion/ HYDROCORTISONE, urine/ MALE/ NOREPINEPHRINE, secretion/ NOREPINEPHRINE, urine/ PHOSPHATES, pharmacodynamics/ *REST/ TIME FACTORS/ WEIGHTLESSNESS

AUTHOR SECTION

2263. Léb J, Dénes J: Kiterjedt haemangioma eredményes kezelése prednisonnal.
Orv Hetil 115:33-4, 6 Jan 74 (Hun)
CHILD, PRESCHOOL/ FEMALE/
*HEMANGIOMA, drug therapy/ HUMAN/
INFANT/ INFANT, NEWBORN/
PREDNISOLONE, administration & dosage/
*PREDNISOLONE, therapeutic use
2264. Lebed'kova SE, Arkhireeva VA, Kalmykova II:
Dinamika mochevof ékskretsil 17-ketosteroidov u
zdorovykh detei v vozraste ot 9 do 16 let.
Vopr Okhr Materin Det 18:29-31, Jul 73 (Rus)
ADOLESCENCE/ CHILD/ CIRCADIAN
RHYTHM/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ *17-KETOSTEROIDS, urine/ MALE/
PUBERTY/ *SEX CHARACTERISTICS
2265. Lebensztejn W, Jackiewicz H: Zespół niehleskich
twardówek z towarzyszącą cukrzycą powikłaną
polineuropatią.
Neurol Neurochir Pol 7:727-31, Sep-Oct 73 (Pol)
ADULT/ BODY HEIGHT/ *DIABETES
MELLITUS, complications/ *DIABETIC
NEUROPATHIES, complications/ FEMALE/
HUMAN/ KARYOTYPING/ MALE/ MIDDLE
AGE/ *NERVOUS SYSTEM DISEASES,
complications/ *OSTEOGENESIS IMPERFECTA,
complications/ OSTEOGENESIS IMPERFECTA,
familial & genetic/ PEDIGREE/ *SCLERA,
abnormalities/ SKULL, radiography/
SYNDROME
2266. Lecompte F, Renaud S: Influence of pregnancy and oral
contraceptives on platelets in relation to coagulation
and aggregation.
Thromb Diath Haemorrh 29:510-7, 10 May 73
ADENOSINE DIPHOSPHATE/ ADOLESCENCE/
ADULT/ *BLOOD COAGULATION
DISORDERS, chemically induced/ *BLOOD
PLATELETS/ CHOLESTEROL, blood/
*CONTRACEPTIVES, ORAL, adverse effects/
*ETHYNODIOL DIACETATE, adverse effects/
FEMALE/ HUMAN/ *NORETHINDRONE,
adverse effects/ *NORGESTREL, adverse
effects/ *PLATELET ADHESIVENESS/
*PREGNANCY/ *PROTHROMBIN TIME/
RATS/ THROMBIN/ THROMBOPLASTIN
2267. Lecomte J: Adaptations cardio-vasculaires et système
orthosympathique au cours de l'hyperthyroïde.
Rev Med Liege 28:589-92, 1 Sep 73 (Fre)
ARRHYTHMIA, etiology/ *CARDIOVASCULAR
SYSTEM, physiology/ HUMAN/
HYPERTHYROIDISM, metabolism/
*HYPERTHYROIDISM, physiology/
*SYMPATHETIC NERVOUS SYSTEM,
physiology
2268. Lederer B, Spielberger E: Die Aspirationszytologie in
der Diagnostik endemischer Strumen.
Acta Endocrinol [Suppl] (Kbb) 75-6, 1973 (Ger)
ADENOMA, diagnosis/ ADENOMA, pathology/
BIOPSY, NEEDLE/ DIAGNOSIS,
DIFFERENTIAL/ DIAGNOSTIC ERRORS/
*GOITER, ENDEMIC, pathology/ HUMAN/
*THYROID GLAND, pathology/ THYROID
NEOPLASMS, diagnosis/ THYROID
NEOPLASMS, pathology/ THYROIDITIS,
diagnosis/ THYROIDITIS, pathology
2269. Lee DK, Bird CE, Clark AF: In vitro effects of estrogens
on rat prostatic 5 alpha-reduction of testosterone.
Steroids 22:677-85, Nov 73
ACETIC ACIDS/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/ COMPARATIVE
STUDY/ ESTRADIOL, pharmacodynamics/
ESTRIOL, pharmacodynamics/ *ESTROGENS,
pharmacodynamics/ ESTRONE,
pharmacodynamics/ ETHERS/
GLUCURONATES/ KINETICS/ MALE/
*OXIDOREDUCTASES,
antagonists & inhibitors/ PHOSPHATES/
PROSTATE, drug effects/ *PROSTATE,
enzymology/ RATS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ SUCCINATES/ SULFURIC
ACIDS/ TESTOSTERONE/ *TESTOSTERONE,
metabolism/ TRITIUM/ VALERATES
2270. Lee HA, Hitosugi M, Petersen GR: Rise in mortality
from tumors of the testis in Japan, 1947-70.
J Natl Cancer Inst 51:1485-90, Nov 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ CHILD/ CHILD, PRESCHOOL/
COMPARATIVE STUDY/ HUMAN/ INFANT/
INFANT, NEWBORN/ JAPAN/ MALE/
MIDDLE AGE/ *TESTICULAR NEOPLASMS,
mortality/ TIME FACTORS/ UNITED STATES
2271. Lee IP, Dixon RL: Effects of cadmium on
spermatogenesis studied by velocity sedimentation
cell separation and serial mating.
J Pharmacol Exp Ther 187:641-52, Dec 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ CADMIUM, metabolism/
*CADMIUM, pharmacodynamics/
CENTRIFUGATION/ DNA, biosynthesis/
FERTILITY, drug effects/ IN VITRO/
LEUCINE, metabolism/ MALE/ MICE/ MICE,
INBRED STRAINS/ PROTEINS, biosynthesis/
RADIOISOTOPES/ RNA, biosynthesis/
SPERMATOGENESIS, drug effects/ TESTIS,
anatomy & histology/ THYMIDINE,
metabolism/ TIME FACTORS/ TRITIUM/
URIDINE, metabolism/ ZINC,
pharmacodynamics
2272. Lee JB: Cardiovascular-renal effects of prostaglandins:
the antihypertensive, natriuretic renal "endocrine"
function. Arch Intern Med 133:56-76, Jan 74 (104 ref.)
ANIMAL EXPERIMENTS/ ARACHIDONIC
ACID, metabolism/ BLOOD PRESSURE, drug
effects/ CARDIAC OUTPUT, drug effects/
*HEMODYNAMICS, drug effects/ HUMAN/
HYPERTENSION, drug therapy/
HYPERTENSION, RENAL, drug therapy/
KIDNEY, analysis/ KIDNEY, blood supply/
*KIDNEY, drug effects/ KIDNEY CORTEX,
metabolism/ KIDNEY MEDULLA, metabolism/
MESENTERIC ARTERIES, drug effects/
MICROCIRCULATION, drug effects/
*NATRIURESIS, drug effects/
PROSTAGLANDINS, analysis/
PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, blood/
PROSTAGLANDINS, isolation & purification/
PROSTAGLANDINS, pharmacodynamics/
*PROSTAGLANDINS, physiology/
PROSTAGLANDINS, therapeutic use/
RADIOIMMUNOASSAY/ REGIONAL BLOOD
FLOW, drug effects/ REVIEW/ VASCULAR
RESISTANCE, drug effects/ *VASOMOTOR
SYSTEM, drug effects
2273. Lee JM, Abeloff MD, Lenhard RE Jr, et al: An evaluation
of five drug combination chemotherapy in the
management of recurrent carcinoma of the breast.
Surg Gynecol Obstet 138:77-80, Jan 74
ADMINISTRATION, ORAL/ ADULT/ AGED/
BLOOD CELL COUNT/ *BREAST
NEOPLASMS, drug therapy/
*CYCLOPHOSPHAMIDE, administration &
dosage/ CYCLOPHOSPHAMIDE, therapeutic
use/ DRUG THERAPY, COMBINATION/
EVALUATION STUDIES/ FEMALE/
*FLUOROURACIL, administration & dosage/
FLUOROURACIL, therapeutic use/ HUMAN/
INJECTIONS, INTRAVENOUS/ MASTECTOMY/
MENOPAUSE/ *METHOTREXATE,
administration & dosage/ METHOTREXATE,
therapeutic use/ MIDDLE AGE/ NEOPLASM
METASTASIS/ *NEOPLASM RECURRENCE,
LOCAL, drug therapy/ *PREDNISONE,
administration & dosage/ PREDNISONE,
therapeutic use/ REMISSION/ *VINCRIStINE,
administration & dosage/ VINCRIStINE,
therapeutic use
2274. Lee KR, Lin F, Sibala J: Adrenal adenoma and
hyperplasia. The importance of arteriographic
differential diagnosis.
Am J Roentgenol Radium Ther Nucl Med 119:796-804,
Dec 73
*ADENOMA, radiography/ ADOLESCENCE/
*ADRENAL GLAND DISEASES, radiography/
ADRENAL GLAND HYPERFUNCTION,
classification/ *ADRENAL GLAND
HYPERFUNCTION, radiography/ *ADRENAL
GLAND NEOPLASMS, radiography/ ADULT/
*ANGIOGRAPHY/ AORTOGRAPHY/

AUTHOR SECTION

DIAGNOSIS, DIFFERENTIAL/ FEMALE/
HUMAN/ HYPERPLASIA, radiography/ MALE/
MIDDLE AGE

2275. Lee P, McCusker S, Allison A, et al: Adverse reactions in patients with rheumatic diseases. Retrospective analysis of causes of admission and out-patient attendance in a specialist centre.
Ann Rheum Dis 32:565-73, Nov 73
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, poisoning/ ADULT/ AGED/ *ANALGESICS AND ANTIPIRETICS, adverse effects/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ ARTHRITIS, RHEUMATOID, drug therapy/ CHRONIC DISEASE/ DRUG HYPERSENSITIVITY/ DRUG INTERACTIONS/ FEMALE/ *HOSPITAL OUTPATIENT CLINICS/ *HOSPITALIZATION/ HUMAN/ MALE/ MIDDLE AGE/ PROSPECTIVE STUDIES/ *RHEUMATISM, drug therapy/ SCOTLAND/ TIME FACTORS
2276. Lee PA: Serum luteinizing hormone and follicle stimulating hormone in normal children and patients with various clinical disorders.
Clin Endocrinol (Oxf) 2:255-64, Jul 73
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, physiotherapy/ *ENDOCRINE DISEASES, physiotherapy/ FEMALE/ FSH, blood/ *FSH, secretion/ GYNECOMASTIA, physiotherapy/ HUMAN/ HYPOGONADISM, physiotherapy/ INFANT/ INFANT, NEWBORN/ LH, blood/ *LH, secretion/ MALE/ MENARCHE/ MIDDLE AGE/ PITUITARY DISEASES, physiotherapy/ PSEUDOHERMAPHRODITISM, physiotherapy/ PUBERTY/ RADIOIMMUNOASSAY/ SEX CHROMOSOME ABNORMALITIES, physiotherapy/ SEX DIFFERENTIATION DISORDERS, physiotherapy
2277. Leeming JT: Skeletal disease in the elderly.
Br Med J 4:472-4, 24 Nov 73
*AGED/ AGING/ *BONE DISEASES/ BONE NEOPLASMS, occurrence/ BONE NEOPLASMS, prevention & control/ BONE NEOPLASMS, therapy/ HUMAN/ NEOPLASM METASTASIS/ OSTEITIS DEFORMANS, occurrence/ OSTEITIS DEFORMANS, prevention & control/ OSTEITIS DEFORMANS, therapy/ OSTEOMALACIA, occurrence/ OSTEOMALACIA, prevention & control/ OSTEOMALACIA, therapy/ OSTEOPOROSIS, occurrence/ OSTEOPOROSIS, prevention & control/ OSTEOPOROSIS, therapy
2278. Leenen FH, Jong W de, Wied D de: Renal venous and peripheral plasma renin activity in renal hypertension in the rat. Am J Physiol 225:1513-8, Dec 73
ADRENAL GLANDS, blood supply/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE DETERMINATION/ *HYPERTENSION, RENAL, enzymology/ KIDNEY, blood supply/ MALE/ MUSCLES, blood supply/ PENTOBARBITAL, pharmacodynamics/ RATS/ REGIONAL BLOOD FLOW/ RENAL VEINS/ *RENIN, blood/ STIMULATION, CHEMICAL/ TIME FACTORS
2279. Leeson R: Nursing mothers.
Australas Nurses J 2:20, Oct 73
BREAST FEEDING/ LACTATION/ SPECIAL LIST NURSING
2280. Lefauconnier JM, Portemer C, Billy G de, et al: Effect of cortisol on the level of pyridoxal phosphate-dependent enzymes in the rat liver: new supports for antagonism between female sex hormones and cortisol.
Horm Metab Res 5:372-5, Sep 73
ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CARBOXY-LYASES, metabolism/ CASTRATION/ COMPARATIVE STUDY/ CYSTEINE/ FEMALE/ HOMOSERINE/ *HYDROCORTISONE, pharmacodynamics/ HYDRO-LYASES, metabolism/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ ORGAN WEIGHT/ OVARY, physiology/ PYRIDOXAL PHOSPHATE/ *PYRIDOXAL PHOSPHATE, metabolism/ RATS/ SERINE DEHYDRATASE, metabolism/ SEX FACTORS/ SULFURIC ACIDS/ TIME FACTORS/ TYROSINE AMINOTRANSFERASE, metabolism
2281. Lefevre MJ: Rapport succinct résumant le rôle nocif du tabac pour la santé de l'individu et de la collectivité et sa contribution à la pollution de l'environnement.
Arch Belg Med Soc 31:73-123, Feb 73 (184 ref.) (Fre)
ADOLESCENCE/ ADULT/ CARDIOVASCULAR DISEASES, physiotherapy/ CHILD/ DIGESTIVE SYSTEM, physiotherapy/ ENDOCRINE GLANDS, physiotherapy/ EPIDEMIOLOGIC METHODS/ EUROPE/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NERVOUS SYSTEM, physiotherapy/ NICOTINE, analysis/ NICOTINE, metabolism/ PRECANCEROUS CONDITIONS/ RESPIRATORY SYSTEM, physiotherapy/ RESPIRATORY TRACT NEOPLASMS, etiology/ RESPIRATORY TRACT NEOPLASMS, occurrence/ REVIEW/ SMOKE, analysis/ *SMOKING/ SMOKING, complications/ SMOKING, mortality/ SMOKING, physiotherapy/ SMOKING, prevention & control/ SMOKING, therapy/ TOBACCO/ UROGENITAL SYSTEM, physiotherapy
2282. Lei CC, Tang CC: [Successful treatment of postpartum hypopituitarism with decoction of Radix glycyrrhizae and Radix ginseng: report of a case]
Chin Med J 11:693-4, Nov 73 (Chi)
ADULT/ CHINA/ ENGLISH ABSTRACT/ FEMALE/ *GINSENG/ *GLYCYRRHIZA/ HUMAN/ *HYPOPHYSECTOMY, drug therapy/ *MEDICINE, ORIENTAL/ PLANT EXTRACTS, therapeutic use/ *PLANTS, MEDICINAL/ *PUERPERAL DISORDERS, drug therapy/ SHEEHAN'S SYNDROME, drug therapy
2283. Leiber B, Olbrich G: Thanatophore Zwergwuchs. Monatsschr Kinderheilkd 121:607-9, Sep 73 (Ger)
ACHONDROPLASIA, diagnosis/ CHONDRODYSPLASIA CALCIFICANS CONGENITA, diagnosis/ CRANIOFACIAL DYSOSTOSIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ *DWARFISM, diagnosis/ DWARFISM, etiology/ DWARFISM, pathology/ DWARFISM, radiography/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ OSTEOGENESIS IMPERFECTA, diagnosis/ POSTURE/ RESPIRATORY INSUFFICIENCY, diagnosis/ SYNDROME
2284. Leibovitz A, McCombs WM 3d, Johnston D, et al: New human cancer cell culture lines. I. SW-13, small-cell carcinoma of the adrenal cortex.
J Natl Cancer Inst 51:691-7, Aug 73
*ADENOCARCINOMA/ *ADRENAL GLAND NEOPLASMS/ *CELL LINE/ ENDOPLASMIC RETICULUM/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ TISSUE CULTURE
2285. Leibowitz SF: Histamine: a stimulatory effect on drinking behavior in the rat.
Brain Res 63:440-4, 7 Dec 73
ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING BEHAVIOR, drug effects/ HISTAMINE, administration & dosage/ *HISTAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ LIMBIC SYSTEM, drug effects/ MALE/ PONS, drug effects/ RATS/ SATIATION, drug effects/ STIMULATION, CHEMICAL/ TEGMENTUM MESENCEPHALI, drug effects
2286. Leibson LG: Osobennosti metabolismma i ego endokrinnoi regulatsii u ryb raznoi dvigatel'noi aktivnosti.
Zh Evol Biokhim Fiziol 8:280-8, May-Jun 73 (50 ref.) (Rus)
ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ BRAIN, metabolism/ CHROMAFFIN SYSTEM, metabolism/

AUTHOR SECTION

- ENGLISH ABSTRACT/ EPINEPHRINE, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ FISHES, metabolism/ *FISHES, physiology/ GLYCOGEN, metabolism/ LIVER GLYCOGEN, metabolism/ MUSCLES, metabolism/ NOREPINEPHRINE, metabolism/ REVIEW/ SEASONS
2287. Leler DJ, Jungmann RA: Adrenocorticotrophic hormone and dihydroxyadenosine cyclic monophosphate-mediated Ca^{2+} uptake by rat adrenal glands. *Biochim Biophys Acta* 329:196-210, 5 Dec 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CALCIUM ISOTOPES/ CALCIUM RADIOISOTOPES/ CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ INULIN/ PITUITARY GLAND, physiology/ RATS/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ STEROIDS, biosynthesis/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRITIUM
2288. Leisinger H, Jenny M, Senning A: Tumoren des Thymus. *Klinik, Therapie und Prognose. Helv Chir Acta* 40:777-81, Dec 73 (Ger)
FEMALE/ HUMAN/ MALE/ PROGNOSIS/ SARCOMA, diagnosis/ SARCOMA, pathology/ SARCOMA, surgery/ SARCOMA, RETICULUM CELL, diagnosis/ SARCOMA, RETICULUM CELL, pathology/ SARCOMA, RETICULUM CELL, surgery/ THYMOMA, diagnosis/ THYMOMA, pathology/ THYMOMA, surgery/ *THYMUS NEOPLASMS, diagnosis/ THYMUS NEOPLASMS, pathology/ THYMUS NEOPLASMS, surgery
2289. Leitch WE, Stuart LP, Forchlieli E: The use of lecithin as a priming agent in gas liquid chromatography with electron capture detection at the picogram level. *Anal Biochem* 56:580-3, Dec 73
CARDANOLIDES, analysis/ CHLORMADINONE, analysis/ *CHROMATOGRAPHY, GAS/ HYDROXYPROGESTERONE, analysis/ *LECITHINS/ METHODS/ MICROCHEMISTRY
2290. Lejeune E, Bouvier M, Ruitton P, et al: Le dosage couplé des phosphatases alcalines "globales" et de la 5-nucléotidase en pathologie osseuse. *Rev Rhum Mal Osteoartic* 40:573-80, Oct 73 (Fre)
*ALKALINE PHOSPHATASE, blood/ *BONE DISEASES, enzymology/ *BONE NEOPLASMS, enzymology/ ENZYME TESTS/ HUMAN/ *HYPERPARATHYROIDISM, enzymology/ LIVER DISEASES, enzymology/ *MULTIPLE MYELOMA, enzymology/ *NUCLEOTIDASES, blood/ OSTEITIS DEFORMANS, enzymology/ OSTEOMALACIA, enzymology/ OSTEOPOROSIS, enzymology
2291. Leklem JE, Rose DF, Brown RR: Effect of oral contraceptives on urinary metabolite excretions after administration of L-tryptophan or L-kynurenine sulfate. *Metabolism* 22:1499-505, Dec 73
CLINICAL RESEARCH/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ HUMAN/ *KYNURENINE, metabolism/ KYNURENINE, urine/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ *TRYPTOPHAN, metabolism/ TRYPTOPHAN, urine
2292. Lemay A, Deschenes M, Lemaire S, et al: Phosphorylation of adenylyltransferase plasma membranes and properties of associated protein kinase. *J Biol Chem* 249:323-8, 10 Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE/ AMMONIUM CHLORIDE/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HISTONES, analysis/ KINETICS/ MAGNESIUM, pharmacodynamics/ OSMOLAR CONCENTRATION/ PHOSPHOPROTEINS, analysis/ PHOSPHORUS RADIOISOTOPES/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, enzymology/ PROTEIN KINASE, antagonists & inhibitors/ *PROTEIN KINASE, metabolism/ RATS/ SERINE/ SOLUBILITY/ SURFACE-ACTIVE AGENTS/ THREONINE
2293. Lent V, Haferkamp H: Die Therapie bei idiopathischer retroperitonealer Fibrose. *Dtsch Med Wochenschr* 98:2144-6, 9 Nov 73 (Ger)
ERGOTAMINE, adverse effects/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ LONG TERM CARE/ METHODS/ OXYPHENBUTAZONE, therapeutic use/ PROGNOSIS/ RETROPERITONEAL FIBROSIS, chemically induced/ RETROPERITONEAL FIBROSIS, diagnosis/ RETROPERITONEAL FIBROSIS, drug therapy/ RETROPERITONEAL FIBROSIS, surgery/ *RETROPERITONEAL FIBROSIS, therapy/ URETER, surgery/ URINARY DIVERSION
2294. Léonard A, Gillavod N: Testicular changes in mice after treatment with mitomycin C. *Toxicology* 1:217-23, Sep 73
ANIMAL EXPERIMENTS/ GERM CELLS, drug effects/ MALE/ MICE/ MICE, INBRED BALB C/ *MITOMYCIN, pharmacodynamics/ ORGAN WEIGHT/ SPERMATOZOA, drug effects/ *TESTIS, drug effects/ TESTIS, pathology/ TIME FACTORS
2295. Leontyuk LA: Adrenergicheskaya innervatsiya lachnikov v postnatal'nom ontogeneze nekotorykh zhivotnykh (fluorescentno-mikroskopicheskoe issledovanie). *Arkh Anat Gistol Embriol* 64:16-23, May 73 (Rus)
ANIMAL EXPERIMENTS/ AXONS/ CATS/ ENGLISH ABSTRACT/ FEMALE/ MICROSCOPY, FLUORESCENCE/ NEURONS, EFFERENT/ OVARY, blood supply/ *OVARY, innervation/ RABBITS/ RECEPTORS, ADRENERGIC/ SYMPATHETIC NERVOUS SYSTEM, cytology/ *SYMPATHETIC NERVOUS SYSTEM, growth & development
2296. Leppäluoto J: Electrical stimulation of human thalamic and amygdaloid area and plasma cortisol concentration. *Acta Physiol Scand* 89:187-91, Oct 73
ADOLESCENCE/ ADULT/ AGED/ *AMYGDALOID BODY, physiology/ AMYGDALOID BODY, psychopathology/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ EPILEPSY, psychopathology/ EPILEPSY, TEMPORAL LOBE, psychopathology/ FEMALE/ FLUOROMETRY/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ PARKINSONISM, psychopathology/ PITUITARY-ADRENAL SYSTEM/ THALAMUS, physiology/ THALAMUS, psychopathology
2297. Leppäluoto J, Lybeck H, Ranta T, et al: Effect of acute exposure to cold on blood thyrotrophin (TSH) and corticosterone concentrations in the rabbit. *Acta Physiol Scand* 89:423-8, Nov 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE, drug effects/ *COLD/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ FLUOROMETRY/ HYPOTHALAMUS, physiology/ IMMERSION/ RABBITS/ *THYROTROPIN, blood
2298. Lesnik H, Pawlikowski M: The influence of triamcinolone upon the content of antidiuretic hormone in the hypothalamus and its release from the hypothalamus into blood. *Endokrynol Pol* 24:479-83, Nov-Dec 73
ANIMAL EXPERIMENTS/ *HYPOTHALAMUS,

AUTHOR SECTION

- analysis/ MALE/ METHODS/ *PITUITARY GLAND, secretion/ RATS/ TRIAMCINOLONE, administration & dosage/ *TRIAMCINOLONE, pharmacodynamics/ *VASOPRESSIN, analysis/ VASOPRESSIN, blood
2299. Lev-Ran A: Sexuality and educational levels of women with the late-treated adrenogenital syndrome. Arch Sex Behav 3:27-32, Jan 74
ADOLESCENCE/ *ADRENOGENITAL SYNDROME/ ADULT/ ANDROGENS, physiology/ CHILD/ DREAMS/ *EDUCATION/ FEMALE/ HOMOSEXUALITY/ HUMAN/ INTELLIGENCE/ MASTURBATION/ RUSSIAN FEDERATION (EUROPE)/ *SEX BEHAVIOR/ TIME FACTORS/ VIRILISM
2300. Levine MS, Schwartzbaum JS: Sensorimotor functions of the striatopallidal system and lateral hypothalamus and consummatory behavior in rats. J Comp Physiol Psychol 85:615-35, Dec 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CONDITIONING, OPERANT/ *CORPUS STRIATUM, physiology/ *DRINKING/ *EATING/ ELECTRIC STIMULATION/ FOOD DEPRIVATION/ FORELIMB, physiology/ *GLOBUS PALLIDUS, physiology/ *HYPOTHALAMUS, physiology/ LATERALITY/ MALE/ MOTOR ACTIVITY/ *MOVEMENT/ NEURAL INTERCONNECTIONS/ RATS/ STEREOTAXIC TECHNIQS/ TASTE/ WATER DEPRIVATION
2301. Levine S, Sowinski R: A hemorrhagic diathesis with involvement of hypothalamus produced in rats by cyclophosphamide. Am J Pathol 74:171-7, Jan 73
ANIMAL EXPERIMENTS/ BLADDER DISEASES, chemically induced/ BLADDER DISEASES, pathology/ BONE MARROW DISEASES, chemically induced/ BONE MARROW DISEASES, pathology/ *CEREBRAL HEMORRHAGE, chemically induced/ CEREBRAL HEMORRHAGE, pathology/ CHOROID PLEXUS/ CILIARY BODY/ *CYCLOPHOSPHAMIDE, toxicity/ FEMALE/ HEMORRHAGE, chemically induced/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ HEMORRHAGE, GASTROINTESTINAL, pathology/ *HEMORRHAGIC DIATHESIS, chemically induced/ *HYPOTHALAMUS/ HYPOTHALAMUS, pathology/ ILEUM/ MALE/ MESENTERY/ RATS
2302. Levitan AM: Ekskretsiia katekholaminov u bol'nykh tireotoksikozom. Lab Delo 5:291-2, 1973 (Rus)
ADRENAL GLANDS, physiopathology/ ADULT/ *EPINEPHRINE, analysis/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ *NOREPINEPHRINE, analysis
2303. Levy D: Preparation of photo-affinity probes for the insulin receptor site in adipose and liver cell membranes. Biochim Biophys Acta 322:329-36, 18 Oct 73
ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, metabolism/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ AZIDES/ BINDING SITES/ CATTLE/ CELL MEMBRANE, metabolism/ CHLORAMINES/ FLUOROBENZENES/ GLUCOSE, metabolism/ *INSULIN, metabolism/ IODINE RADIOISOTOPES/ KINETICS/ LIVER, cytology/ LIVER, metabolism/ MALE/ METHODS/ PHOTOLYSIS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RATS/ *RECEPTORS, HORMONE/ SPECTROPHOTOMETRY, ULTRAVIOLET
2304. Lewander T, Sjöström R: Increase in the plasma concentration of free tryptophan caused by probenecid in humans. Psychopharmacologia 33:81-8, 23 Oct 73
AGED/ BRAIN, metabolism/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ *PROBENECID, pharmacodynamics/ SEROTONIN, biosynthesis/ *TRYPTOPHAN, blood/ TRYPTOPHAN, cerebrospinal fluid/ TUBE FEEDING
2305. Lewin MG, Hansebout RR, Pappius HM: Chemical characteristics of traumatic spinal cord edema in cats. Effects of steroids on potassium depletion. J Neurosurg 40:65-75, Jan 74
ANIMAL EXPERIMENTS/ CATS/ *DEXAMETHASONE, therapeutic use/ DISEASE MODELS, ANIMAL/ EDEMA, drug therapy/ EDEMA, etiology/ *EDEMA, metabolism/ FEMALE/ MALE/ *POTASSIUM, metabolism/ *SODIUM, metabolism/ *SPINAL CORD, metabolism/ SPINAL CORD, pathology/ SPINAL CORD INJURIES, complications/ SPINAL CORD INJURIES, drug therapy/ *SPINAL CORD INJURIES, metabolism/ SPINAL CORD INJURIES, pathology/ THORACIC VERTEBRAE/ TIME FACTORS/ WATER-ELECTROLYTE BALANCE, drug effects
2306. Lewis JL Jr: Proceedings: Human leukocyte antigens and ABO blood groups in gestational trophoblastic neoplasms. Proc Natl Cancer Conf 7:205-11, 1973
*ABO FACTORS/ *CHORIOCARCINOMA, immunology/ CHORIOCARCINOMA, therapy/ FEMALE/ *HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ IMMUNE TOLERANCE/ *LEUKOCYTES, immunology/ NEOPLASM REGRESSION, SPONTANEOUS/ PREGNANCY/ *TROPHOBLASTIC TUMOR, immunology/ TROPHOBLASTIC TUMOR, therapy
2307. Lewis PE, Inskeep EK: Effect of rams on progestin-treated ewes. J Anim Sci 37:1195-200, Nov 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CRONOLONE, pharmacodynamics/ ESTRUS/ FEMALE/ FERTILIZATION/ INSEMINATION, ARTIFICIAL/ LACTATION/ MALE/ PREGNANCY/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *REPRODUCTION, drug effects/ SEX BEHAVIOR, ANIMAL/ *SHEEP, physiology/ TIME FACTORS/ VASECTOMY, veterinary
2308. Lewis RJ, Ketcham AS: Maffucci's syndrome: functional and neoplastic significance. Case report and review of the literature. J Bone Joint Surg [Am] 55:1465-79, Oct 73 (88 ref.)
ADOLESCENCE/ *ANGIOMATOSIS/ ANGIOMATOSIS, pathology/ ANGIOMATOSIS, physiopathology/ ANGIOMATOSIS, radiography/ BONE AND BONES, pathology/ BONE NEOPLASMS, pathology/ CHONDROSARCOMA, pathology/ *DYSCHONDROPLASIA/ DYSCHONDROPLASIA, pathology/ DYSCHONDROPLASIA, physiopathology/ DYSCHONDROPLASIA, radiography/ FEMALE/ HEMANGIOMA, pathology/ HUMAN/ HUMERUS, pathology/ NEOPLASMS, MULTIPLE PRIMARY/ OVARIAN NEOPLASMS, pathology/ REVIEW ARCOMA, pathology
2309. Lewitus Z, Rechnic J, Laor J: Serum thyrotropin in levels and response to TRH in the endemic goiter region of Israel. Acta Endocrinol [Suppl] (Kbh) 49-50, 1973
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ *GOITER, ENDEMIC, blood/ GOITER, ENDEMIC, familial & genetic/ GOITER, ENDEMIC, occurrence/ HUMAN/ IODINE, urine/ IODINE RADIOISOTOPES/ ISRAEL/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use
2310. Leydhecker W: Ungeklärte Probleme bei Winkelblockglaukom. Klin Monatsbl Augenheilkd 163:303-8, Sep 73 (Ger)
ACUTE DISEASE/ CORTISONE, adverse effects/ ENGLISH ABSTRACT/ GLAUCOMA, chemically induced/ *GLAUCOMA, diagnosis/ GLAUCOMA, etiology/ HUMAN/ IRIS, surgery/ MIOTICS, adverse effects/ MYDRIATICS, adverse effects/ OPHTHALMIC SOLUTIONS, adverse effects/ SEASONS/ SEX FACTORS
2311. Liakh LO: Zminy pokaznykh vuhlevodnoho ta

AUTHOR SECTION

- zhyrovoho ohminu, stanu sympato-adrenalovoi systemy ta oksnykh protseviv pry kholodovykh vplyvakh riznoi intensyvnosti.
Fiziol Zh 19:503-10, Jul-Aug 73 (Ukr)
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BLOOD SUGAR/ BODY TEMPERATURE/ CARBOHYDRATES, metabolism/ *COLD/ ENGLISH ABSTRACT/ FATS, metabolism/ OXYGEN CONSUMPTION/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, physiology
2312. Liashko KIA, Drevai' AV: Sovremennyye predstavleniya ob insulinoresistenznosti i prichinakh ee vozniknoveniya.
Ter Arkh 45:9-15, Sep 73 (75 ref.) (Rus)
ACIDOSIS, DIABETIC, immunology/ CATECHOLAMINES, physiology/ DIABETES MELLITUS, drug therapy/ FATTY ACIDS, physiology/ FEMALE/ HUMAN/ INSULIN, administration & dosage/ INSULIN, antagonists & inhibitors/ INSULIN, blood/ INSULIN ANTIBODIES/ *INSULIN RESISTANCE/ MALE/ PEPTIDE PEPTIDOHYDROLASES, physiology/ PLACENTAL LACTOGEN, physiology/ PREGNANCY/ REVIEW/ THYROID HORMONES, physiology/ TIME FACTORS
2313. Liashko KIA, Gerasimenko PP, Severova TM, et al: Suchai feminizirulushchei opukholi nadpocheknika.
Sov Med 36:145-6, Sep 73 (Rus)
*ADRENAL CORTICAL REST TUMOR, complications/ *ADRENAL GLAND NEOPLASMS, complications/ ADULT/ *FEMINIZATION, etiology/ HUMAN/ MALE
2314. Libby PR: Histone acetylation and hormone action. Early effects of aldosterone on histone acetylation in rat kidney. Biochem J 134:907-12, Aug 73
ACETATES, metabolism/ ACETYLATION/ ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ FEMALE/ FLUDROCORTISONE, pharmacodynamics/ *HISTONES, metabolism/ HYDROCORTISONE, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, metabolism/ PROGESTERONE, pharmacodynamics/ RATS/ TRITIUM
2315. Liberzon DM, Iarmashevich AG: Kortikosteroidy v kompleksnoi terapii shoka.
Khirurgia (Mosk) 49:116-22, Jun 73 (Rus)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DEATH/ ELECTROLYTES, analysis/ EMERGENCIES/ ENGLISH ABSTRACT/ HUMAN/ PITUITARY-ADRENAL FUNCTION TESTS/ *SHOCK, TRAUMATIC, drug therapy
2316. Lichardus B, Ponc J: On the role of the hypophysis in the renal mechanism of body fluid volumes regulation. Endokrinolog 61:403-12, Jun 73
ANIMAL EXPERIMENTS/ HYPOPHYSECTOMY/ *KIDNEY, physiology/ MALE/ NATRIURESIS/ OXYTOCIN, physiology/ *PITUITARY GLAND, POSTERIOR, physiology/ POLYURIA/ RATS/ *WATER-ELECTROLYTE BALANCE
2317. Liddle GW: Proceedings: Blueprints for the solution of three endocrinological enigmas. The Sir Henry Dale Lecture for 1973. J Endocrinol 59:11-19, Nov 73
ADRENAL GLAND NEOPLASMS, metabolism/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, metabolism/ BLOOD SUGAR, metabolism/ CARBOHYDRATE METABOLISM, INBORN ERRORS, complications/ CORTICOTROPIN, metabolism/ CORTICOTROPIN RELEASING HORMONE, metabolism/ *CUSHING'S SYNDROME, etiology/ CUSHING'S SYNDROME, metabolism/ *DIABETES MELLITUS, complications/ GLYCOSURIA, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ HYPERALDOSTERONISM, metabolism/
- *HYPERTENSION, etiology/
*HYPOTHALAMUS, metabolism/ POPULATION SURVEILLANCE/ RENIN, blood/ SODIUM, metabolism/ VASCULAR DISEASES, complications
2318. Liljenquist JE, Bomboy JD, Lewis SB, et al: Effect of glucagon on net splanchnic cyclic AMP production in normal and diabetic men.
J Clin Invest 53:198-204, Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADOLESCENCE/ ADULT/ BRACHIAL ARTERY/ *DIABETES MELLITUS, metabolism/ GLUCAGON, blood/ *GLUCAGON, pharmacodynamics/ HEPATIC VEINS/ HUMAN/ INSULIN, blood/ *LIVER, metabolism/ MALE/ MIDDLE AGE/ PEPTIDES, blood/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS/ TRITIUM
2319. Liljestrand A: Safety aspects on long-term medication. Acta Pharm Suec 10:371-80, Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARCINOGENS/ CHLORPROMAZINE, adverse effects/ *CHRONIC DISEASE, drug therapy/ CONTRACEPTIVES, ORAL, adverse effects/ DOGS/ DRUG EVALUATION/ DRUG HYPERSENSITIVITY/ DRUG LABELING/ *DRUG SCREENING/ *ETHICS, PHARMACY/ FEMALE/ HUMAN/ INSULIN, adverse effects/ MICE/ MONKEYS/ PHENACETIN, adverse effects/ PHENOTHIAZINES, adverse effects/ RATS/ TIME FACTORS
2320. Lim SK, Eveland WC, Porter RJ: Development and evaluation of a direct fluorescent antibody method for the diagnosis of Pneumocystis carinii infections in experimental animals.
Appl Microbiol 28:666-71, Nov 73
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ CORTISONE, pharmacodynamics/ *FLUORESCENT ANTIBODY TECHNIC/ FLUORESCENT DYES, diagnostic use/ GEL DIFFUSION TESTS/ HUMAN/ LUNG, immunology/ LUNG, microbiology/ PHARYNX, immunology/ PHARYNX, microbiology/ *PNEUMOCYSTIS CARINII, immunology/ PNEUMOCYSTIS CARINII, isolation & purification/ PNEUMONIA, INTERSTITIAL PLASMA CELL, diagnosis/ *PNEUMONIA, INTERSTITIAL PLASMA CELL, immunology/ RABBITS, immunology/ RATS/ SUCROSE/ TIME FACTORS
2321. Lin HS: Transformation of centrioles in pinealocytes of adult guinea pigs. J Neurocytol 1:61-8, Jul 72
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION/ FEMALE/ GOLGI APPARATUS/ *GUINEA PIGS, anatomy & histology/ MALE/ MICROSCOPY, ELECTRON/ MICROTUBULES/ *PINEAL BODY, cytology/ PINEAL BODY, growth & development
2322. Lin JB: An analysis of glioneural elements in cystic teratoma of the ovary.
Acta Obstet Gynaecol Jap 19:185-98, Jul 72
*DERMOID CYST, pathology/ FEMALE/ HUMAN/ *NEUROGLIA/ *OVARIAN NEOPLASMS, pathology
2323. Lin KD, Deutsch HF: Simplified methods for automated ion-exchange separation of peptides and accelerated manual Edman degradations.
Anal Biochem 58:155-64, Nov 73
*AMINO ACID SEQUENCE/ *AUTOANALYSIS, instrumentation/ *BIOCHEMISTRY, instrumentation/ CARBONIC ANHYDRASE, analysis/ CHROMATOGRAPHY, ION EXCHANGE/ HUMAN/ METHODS/ PEPTIDE FRAGMENTS, analysis/ *PEPTIDES/ PEPTIDES, analysis/ PEPTIDES, isolation & purification/ SPECTROPHOTOMETRY, ULTRAVIOLET/ THIOCYANATES/ TRYPSIN
2324. Lin RL, Narasimhachari N, Himwich HE: Inhibition of indolethylamine-N-methyltransferase by

AUTHOR SECTION

- S-adenosylhomocysteine.
 Biochem Biophys Res Commun 54:751-9, 18 Sep 73
 *ADENOSINE, pharmacodynamics/ ANIMAL
 EXPERIMENTS/ BINDING, COMPETITIVE/
 CHROMATOGRAPHY, THIN LAYER/
 COMPARATIVE STUDY/ DIALYSIS/
 ETHYLAMINES/ GEL FILTRATION/
 *HOMOCYSTEINE, pharmacodynamics/
 INDOLES/ KINETICS/ LUNG, drug effects/
 LUNG, enzymology/
 METHYLTRANSFERASES, antagonists &
 inhibitors/ PROTEIN BINDING/ RABBITS/
 SEROTONIN, pharmacodynamics/
 SPECTROMETRY, FLUORESCENCE/ TIME
 FACTORS
2325. Lindberg BS, Nilsson BA: Human placental lactogen
 (HPL) levels in abnormal pregnancies.
 J Obstet Gynaecol Br Commun 80:1046-53, Dec 73
 ANTIBODY FORMATION/ APGAR SCORE/
 BIRTH WEIGHT/ ERYTHROBLASTOSIS,
 FETAL, blood/ FEMALE/ FETAL DEATH,
 blood/ FETAL DISEASES, blood/ HUMAN/
 HYPERTENSION, blood/ INFANT
 MORTALITY/ INFANT, NEWBORN/
 *PLACENTAL LACTOGEN, blood/
 PREGNANCY/ *PREGNANCY
 COMPLICATIONS, blood/ PREGNANCY
 COMPLICATIONS, CARDIOVASCULAR, blood/
 PREGNANCY IN DIABETES, blood/
 PREGNANCY TOXEMIAS, blood/
 RADIOIMMUNOASSAY/ RH FACTORS/ TIME
 FACTORS
2326. Lindgärde F: In vivo and in vitro studies on ionized
 versus total serum calcium in hyperparathyroidism.
 Acta Endocrinol (Khh) 74:501-10, Nov 73
 BLOOD PROTEINS, analysis/ *CALCIUM,
 blood/ CATIONS, DIVALENT/ HUMAN/
 HYDROGEN-ION CONCENTRATION/
 *HYPERPARATHYROIDISM, blood/
 PARATHYROID GLANDS, physiology/
 PHOTOMETRY/ POTENTIOMETRY/ PROTEIN
 BINDING/ SERUM ALBUMIN, analysis/
 SPECTROPHOTOMETRY, ATOMIC
 ABSORPTION
2327. Lindholmer C, Thulin L, Eliasson R: Concentrations of
 cortisol and renin in the internal spermatic vein of
 men with varicocele. Andrologie 5:21-2, 1973
 ADOLESCENCE/ HUMAN/
 *HYDROCORTISONE, blood/ MALE/ *RENIN,
 blood/ TESTIS, blood supply/ *VARICOCELE,
 blood/ VARICOCELE, surgery/ VEINS
2328. Lindstedt G, Lundberg PA, Toft M, et al: Serum
 thyrotropin and hypothyroidism during lithium
 therapy. Clin Chim Acta 48:127-33, 12 Oct 73
 ADULT/ AGED/ FEMALE/ GEL
 FILTRATION/ GONADOTROPINS,
 CHORIONIC/ HUMAN/ *HYPOTHYROIDISM,
 chemically induced/ HYPOTHYROIDISM,
 diagnosis/ IODINE RADIOISOTOPES/
 *LITHIUM, adverse effects/ LITHIUM,
 therapeutic use/ MALE/ MIDDLE AGE/
 PROTEIN-BOUND IODINE TEST/
 *PSYCHOSES, MANIC-DEPRESSIVE, drug
 therapy/ RABBITS, immunology/
 RADIOIMMUNOASSAY/ *THYROTROPIN,
 blood/ THYROXINE, blood
2329. Line WF, Siegel SJ, Kwong A, et al: Solid-phase
 radioimmunoassay for digoxin.
 Clin Chem 19:1361-5, Dec 73
 ANTIBODIES/ CARBOHYDRATES/
 COMPARATIVE STUDY/ CYANOGEN
 BROMIDE/ *DIGOXIN, analysis/ DRUG
 STABILITY/ EVALUATION STUDIES/ GLASS/
 METHODS/ MICROSPHERES/
 POLYSACCHARIDES/ PROTEIN BINDING/
 RABBITS, immunology/
 *RADIOIMMUNOASSAY/ SOLUBILITY/
 THIOCYANATES/ TRITIUM
2330. Ling N, Rivier J, Burgess R, et al: Direct sequence
 determination of ovine luteinizing hormone releasing
 factor by mass spectrometry.
 Biochemistry 12:5305-10, 18 Dec 73
 ACETONE/ ACETYLATION/ AMINO ACID
 SEQUENCE/ AMINO ACIDS, analysis/
 ANIMAL EXPERIMENTS/ CHYMOTRYPSIN/
 FEMALE/ HYDROCARBONS, IODINATED/
 *LH-FSH RELEASING HORMONE, analysis/
 METHYL ETHERS/ PEPTIDES, analysis/
 *SHEEP, metabolism/ SPECTRUM ANALYSIS,
 MASS
2331. Lingeman CH: Letter: Liver-cell neoplasms and oral
 contraceptives. Lancet 1:84, 12 Jan 74
 ANIMAL EXPERIMENTS/ CARCINOGENS/
 *CONTRACEPTIVES, ORAL, adverse effects/
 CONTRACEPTIVES, ORAL, metabolism/
 ENZYME INDUCTION/ *ESTROGENS, adverse
 effects/ FEMALE/ *HEPATOMA, chemically
 induced/ HUMAN/ LIVER, enzymology/
 LIVER, metabolism/ *LIVER NEOPLASMS,
 chemically induced/ LIVER NEOPLASMS,
 enzymology/ LIVER NEOPLASMS, metabolism/
 MALE/ MICE/ *PROGESTATIONAL
 HORMONES, adverse effects/ RATS
2332. Linneweh F: La terapia della sindrome nefrosica nel
 bambino. Minerva Med 64:4007-9, 27 Oct 73 (Ita)
 *ADRENAL CORTEX HORMONES, therapeutic
 use/ AZATHIOPRINE,
 administration & dosage/ CHILD/ CHILD,
 PRESCHOOL/ HUMAN/
 *IMMUNOSUPPRESSIVE AGENTS, therapeutic
 use/ *NEPHROSIS, drug therapy/ NEPHROSIS,
 LIPOID, drug therapy/ *NEPHROTIC
 SYNDROME, drug therapy/ PREDNISOLONE,
 administration & dosage
2333. Linseman MA, Olds J: Activity changes in rat
 hypothalamus, preoptic area, and striatum associated
 with Pavlovian conditioning.
 J Neurophysiol 38:1038-50, Nov 73
 ACOUSTIC STIMULATION/ ACTION
 POTENTIALS/ ANALYSIS OF VARIANCE/
 ANIMAL EXPERIMENTS/ CAUDATE
 NUCLEUS, physiology/ CEREBRAL CORTEX,
 physiology/ *CONDITIONING, CLASSICAL/
 *CORPUS STRIATUM, physiology/ ELECTRIC
 STIMULATION/ FEMALE/ GENERALIZATION,
 RESPONSE/ GLOBUS PALLIDUS, physiology/
 *HYPOTHALAMUS, physiology/ MOTOR
 ACTIVITY/ NEURAL INHIBITION/ RATS/
 REWARD/ *SUPERIOR COLLICULUS,
 physiology
2334. Linshaw MA, Gruskin AB: Management of the
 nephrotic syndrome.
 Clin Pediatr (Phila) 13:45-51, Jan 74 (19 ref.)
 ADOLESCENCE/ AZATHIOPRINE, therapeutic
 use/ CHILD/ CHILD, PRESCHOOL/
 CHLORAMBUCIL, administration & dosage/
 CHLORAMBUCIL, therapeutic use/ CLINICAL
 RESEARCH/ COMPARATIVE STUDY/
 CYCLOPHOSPHAMIDE, administration &
 dosage/ CYCLOPHOSPHAMIDE, therapeutic
 use/ CYCLOPHOSPHAMIDE, toxicity/ DRUG
 EVALUATION/ FEMALE/
 GLOMERULONEPHRITIS, drug therapy/
 HUMAN/ *IMMUNOSUPPRESSIVE AGENTS,
 therapeutic use/ INFANT/ LEUKOPENIA,
 chemically induced/ MALE/ *NEPHROTIC
 SYNDROME, drug therapy/ PLACEBOS/
 PREDNISONE, administration & dosage/
 PREDNISONE, therapeutic use/ PREDNISONE,
 toxicity/ PROSPECTIVE STUDIES/
 PROTEINURIA, drug therapy/ REVIEW/
 STERILITY, chemically induced
2335. Lintin K, Lamming GE, Butt WR: Proceedings: The
 effects of progestagens and PMSG on peripheral
 plasma LH levels in the Clun Forest ewe.
 J Reprod Fertil 35:607-9, Dec 73
 ANIMAL EXPERIMENTS/ ESTRUS, drug
 effects/ FEMALE/ *GONADOTROPINS,
 EQUINE, pharmacodynamics/ HORSES/ *LH,
 blood/ *PROGESTATIONAL HORMONES,
 pharmacodynamics/ PROGESTERONE, blood/
 RADIOIMMUNOASSAY/ SHEEP/ TIME
 FACTORS
2336. Lioy F, Malliani A, Pagani M, et al: Reflex
 hemodynamic responses initiated from the thoracic
 aorta. Circ Res 40:78-84, Jan 74
 ADRENAL GLANDS, physiology/ ANIMAL
 EXPERIMENTS/ *AORTA, THORACIC,

AUTHOR SECTION

- physiology/ BLOOD PRESSURE/ CATS/
ELASTICITY/ HEART RATE/
*HEMODYNAMICS, drug effects/ LIDOCAINE,
pharmacodynamics/ PHENOXYBENZAMINE,
pharmacodynamics/ PROPRANOLOL,
pharmacodynamics/ SYMPATHETIC NERVOUS
SYSTEM, physiology/ VAGOTOMY/ VAGUS
NERVE, physiology
2337. Lipowitz AJ, Schwartz A, Wilson GP, et al: Testicular
neoplasms and concomitant clinical changes in the
dog. *J Am Vet Med Assoc* 163:1364-8, 15 Dec 73
ABDOMINAL NEOPLASMS, veterinary/
ADENOCARCINOMA, veterinary/ ADENOMA,
veterinary/ ALOPECIA, veterinary/ ANAL
GLAND NEOPLASMS, veterinary/ ANIMAL
EXPERIMENTS/ *DISGERMINOMA, veterinary/
*DOG DISEASES/ DOGS/ GYNecomASTIA,
veterinary/ HERNIA, veterinary/ INGUINAL
CANAL/ *LEYDIG CELL TUMOR, veterinary/
MALE/ NEOPLASM METASTASIS/ PENILE
DISEASES, veterinary/ PERINEUM/
PROSTATIC DISEASES, veterinary/
SCROTUM/ *SERTOLI CELL TUMOR,
veterinary/ TESTICULAR NEOPLASMS,
complications/ *TESTICULAR NEOPLASMS,
veterinary
2338. Lippman ME, Thompson EB: Differences between
cytoplasmic glucocorticoid-binding proteins shown by
heterogeneity of nuclear acceptor sites.
Nature 248:352-5, 7 Dec 73
BINDING SITES/ *CELL NUCLEUS,
metabolism/ CELLS, CULTURED/
*CYTOPLASM, metabolism/ CYTOSOL,
metabolism/ DEXAMETHASONE, metabolism/
*GLUCOCORTICOIDS, metabolism/
HEPATOMA/ KINETICS/ L CELLS/ MICE/
PROTEIN BINDING/ *RECEPTORS,
HORMONE/ TRITIUM
2339. Lippman ME, Yang SS, Thompson EB: Transfer
ribonucleic acid in hepatoma tissue culture cells. II.
Dexamethasone phosphate induction of tRNA^{phe}
analyzed under cell-free conditions.
Endocrinology 91:282-8, Jan 74
ACYLATION/ AMINO ACYL T RNA
SYNTHETASES, metabolism/ CELL-FREE
SYSTEM/ CELL LINE/ CHROMATOGRAPHY/
*DEXAMETHASONE, pharmacodynamics/
*HEPATOMA, metabolism/ *PHENYLALANINE,
metabolism/ *RECEPTORS, DRUG, drug
effects/ *RNA, TRANSFER, biosynthesis/
TISSUE CULTURE
2340. Lis M, Gllardeau C, Chrétien M: Species specificity of
the inhibition of adenylate cyclase activation by
products of ACTH-stimulated fat cells.
Comp Biochem Physiol [B] 46:661-6, Dec 73
ADENINE/ ADENYL CYCLASE, antagonists &
inhibitors/ *ADENYL CYCLASE, metabolism/
ADIPOSE TISSUE, drug effects/ *ADIPOSE
TISSUE, enzymology/ ADIPOSE TISSUE,
secretion/ ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY,
PAPER/ COMPARATIVE STUDY/
*CORTICOTROPIN, pharmacodynamics/
ENZYME ACTIVATION/ EPIDIDYMI/ IN
VITRO/ MALE/ RABBITS/ RATS/ SPECIES
SPECIFICITY/ THEOPHYLLINE,
pharmacodynamics/ TIME FACTORS
2341. Litwack G, Filler R, Rosenfield S, et al: Macromolecular
binding of (5,6-3H) prostaglandin E₁ in liver cytosol in
vitro.
Biochem Biophys Res Commun 55:977-84, 10 Dec 73
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
BINDING SITES/ CHROMATOGRAPHY, ION
EXCHANGE/ CHROMATOGRAPHY, THIN
LAYER/ CYTOSOL, metabolism/ GEL
FILTRATION/ HYDROGEN-ION
CONCENTRATION/ ISOELECTRIC FOCUSING/
LIVER, cytology/ *LIVER, metabolism/ MALE/
MOLECULAR WEIGHT/ *PROSTAGLANDINS,
metabolism/ PROTEIN BINDING/ PROTEINS,
analysis/ *PROTEINS, metabolism/ RATS/
*RECEPTORS, DRUG/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TRITIUM
2342. Ljungdahl I: Inguinal and femoral hernia. Personal
experience with 502 operations.
Acta Chir Scand [Suppl] 1-81, 1973
ABDOMINAL WALL, physiopathology/
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ ATROPHY/ FEMALE/ FEMORAL
HERNIA, etiology/ *FEMORAL HERNIA,
surgery/ HUMAN/ INGUINAL HERNIA,
etiology/ *INGUINAL HERNIA, surgery/
LATERALITY/ MALE/ METHODS/ MIDDLE
AGE/ NEURALGIA, etiology/
POSTOPERATIVE COMPLICATIONS/
PREGNANCY/ PREGNANCY
COMPLICATIONS/ PRESSURE/
RECURRENCE/ SEX FACTORS/ TESTICULAR
DISEASES, etiology/ TRUSSES, adverse
effects
2343. Ljunggren JG, Löwhagen T, Hjern B: The formation of
thyroglobulin in human thyroid medullary carcinoma.
Acta Endocrinol (Kbb) 74:105-10, Sep 73
AMMONIUM SULFATE/ *CARCINOMA,
metabolism/ CARCINOMA, pathology/
CENTRIFUGATION, DENSITY GRADIENT/
HUMAN/ IN VITRO/ IODINE
RADIOISOTOPES/ LEUCINE, metabolism/
NEOPLASM METASTASIS/ PRECIPITATION/
PROTEINS, analysis/ *THYROGLOBULIN,
biosynthesis/ *THYROID NEOPLASMS,
metabolism/ THYROID NEOPLASMS,
pathology/ TRITIUM
2344. Ljungkvist I: Uterine stromal morphology of the
spayed virgin rat when prepared with progesterone
and oestrogen for implantation.
Z Anat Entwicklungsgesch 141:161-9, 1973
ANIMAL EXPERIMENTS/ BASEMENT
MEMBRANE, drug effects/ CASTRATION/
CELL NUCLEOLUS, drug effects/ CELL
NUCLEUS, drug effects/ CHROMATIN, drug
effects/ ENDOMETRIUM, cytology/
*ENDOMETRIUM, drug effects/
ENDOPASMIC RETICULUM, drug effects/
EPITHELIAL CELLS, drug effects/
*ESTROGENS, pharmacodynamics/ FEMALE/
MICROSCOPY, ELECTRON/ *PROGESTERONE,
pharmacodynamics/ PROTEINS, biosynthesis/
RATS/ RNA, biosynthesis/ TIME FACTORS
2345. Liados F, Belmar J: Post-tetanic fibrillary potentials in
rat skeletal muscle. Site of origin.
Acta Physiol Lat Am 23:213-20, 1973
ABDOMINAL WALL/ ACETYLCHOLINE,
pharmacodynamics/ *ACTION POTENTIALS/
ANIMAL EXPERIMENTS/ CALCIUM,
metabolism/ CALCIUM CHLORIDE,
pharmacodynamics/ CITRATES,
pharmacodynamics/ ELECTRIC STIMULATION/
EVOCKED POTENTIALS/ *MUSCLE
CONTRACTION, drug effects/ NEOSTIGMINE,
pharmacodynamics/ *NEUROMUSCULAR
JUNCTION, physiology/ NOREPINEPHRINE,
pharmacodynamics/ RATS/ SARCOLEMMA,
metabolism/ SODIUM, pharmacodynamics/
TIME FACTORS/ TUBOCURARINE,
pharmacodynamics
2346. Llewellyn-Jones D, Lawrenson K: A new method of
inhibition of lactation. *Med J Aust* 2:780-1, 20 Oct 73
CLINICAL RESEARCH/ COMPARATIVE
STUDY/ DEPRESSION, CHEMICAL/
DIETHYLSTILBESTROL, adverse effects/
DIETHYLSTILBESTROL, pharmacodynamics/
DRUG COMBINATIONS/ ESTRADIOL, adverse
effects/ *ESTRADIOL, pharmacodynamics/
FEMALE/ HUMAN/ *LACTATION, drug
effects/ LIVER FUNCTION TESTS/
METHODS/ NORETHINDRONE,
adverse effects/ *NORETHINDRONE,
pharmacodynamics/ PLACEBO/ PREGNANCY/
TESTOSTERONE, adverse effects/
*TESTOSTERONE, pharmacodynamics/
UTERINE HEMORRHAGE, chemically induced
2347. Lobachev VS, Gol'tsman ME: The effect of population
structure on adrenal weight in the large gerbil.
Sov J Ecol 3:281-2, May-Jun 72
*ADRENAL GLANDS, anatomy & histology/
ANIMAL EXPERIMENTS/ *GERBILS, anatomy

AUTHOR SECTION

- & histology/ MALE/ ORGAN WEIGHT/
*POPULATION DENSITY
2348. Lockett MF: Factors affecting the antidiuretic actions of the 18-monoacetate of (+)-aldosterone and of a substance secreted by heart muscle, in rats. *J Pharm Pharmacol* 25:690-9, Sep 73
*ACETATES, pharmacodynamics/
*ALDOSTERONE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CAROTID ARTERIES/ CAROTID SINUS, innervation/ CREATININE, metabolism/ DENERVATION/ *DIURESIS, drug effects/ GLUCOSE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ MALE/ *MYOCARDIUM, secretion/ POTASSIUM, urine/ RATS/ RATS, INBRED LEW/ RATS, INBRED STRAINS/ SODIUM, urine/ SODIUM CHLORIDE, pharmacodynamics
2349. Lockitch G, Fellingham SA, Elphinstone CD: Maelen joint disease: a radiological study of two affected families. *S Afr Med J* 47:2366-76, 15 Dec 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANKLE, radiography/ CHILD/ DWARDISM, radiography/ EPIPHYSES, radiography/ FEMALE/ GENES, DOMINANT/ HAND, radiography/ HIP, radiography/ HUMAN/ JOINT DISEASES, familial & genetic/ *JOINT DISEASES, radiography/ KNEE, radiography/ MALE/ MIDDLE AGE/ NOMENCLATURE/ OSTEOARTHRITIS, familial & genetic/ OSTEOARTHRITIS, radiography/ PEDIGREE/ SPINE, radiography/ WRIST, radiography
2350. London DR, Butt WR, Lynch SS, et al: Proceedings: Effects of luteinizing hormone releasing hormone given intranasally. *J Endocrinol* 59:13-4, Nov 73
ADMINISTRATION, INTRANASAL/ ADULT/ FSH, blood/ HUMAN/ LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ RADIOIMMUNOASSAY
2351. Long MM, Masotti L, Sachs G, et al: Circular dichroism of biological membranes-brain microsomes. *J Supramol Struct* 1:259-68, 1973
ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ BRAIN, enzymology/ *BRAIN CHEMISTRY/ CALCIUM/ CIRCULAR DICHROISM/ IODIDES/ MAGNESIUM/ MEMBRANES, analysis/ MEMBRANES, enzymology/ MEMBRANES, metabolism/ *MICROSOMES, analysis/ MICROSOMES, enzymology/ POTASSIUM/ PROTEIN CONFORMATION/ SODIUM/ SODIUM DODECYL SULFATE/ SOLUBILITY/ SURFACE-ACTIVE AGENTS/ SWINE
2352. Long R, James O: Polymyalgia rheumatica and liver disease. *Lancet* i:77-9, 19 Jan 74
BIOPSY/ FEMALE/ *GRANULOMA, etiology/ *GRANULOMA, pathology/ HUMAN/ LIVER DISEASES, drug therapy/ *LIVER DISEASES, etiology/ *LIVER DISEASES, pathology/ LIVER FUNCTION TESTS/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *POLYMYALGIA RHEUMATICA, complications/ POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ POLYMYALGIA RHEUMATICA, pathology/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use
2353. Lontula K, Luukkainen JT, Viikko R: Progesterone-binding protein in human myometrium. Ligand specificity and some physicochemical characteristics. *Biochim Biophys Acta* 328:145-53, 11 Nov 73
BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ DRUG STABILITY/ FEMALE/ GLYCERIN/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROXYMERCURIBENZOATES, pharmacodynamics/ LIGANDS/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ *RECEPTORS, HORMONE, drug effects/ STRUCTURE-ACTIVITY
- RELATIONSHIP/ TEMPERATURE/ TIME FACTORS/ TRITIUM/ UTERUS, cytology/ UTERUS, drug effects/ *UTERUS, metabolism
2354. Lopatina TV: Nekotorye voprosy diagnostiki genital'nogo endometriozia (kliniko-röntgenologicheskoe issledovanie. *Akush Ginekol (Mosk)* 49:14-8, May 73 (Rus)
ADULT/ DIAGNOSIS, DIFFERENTIAL/ *ENDOMETRIOSIS, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ MIDDLE AGE/ *OVARIAN NEOPLASMS, radiography/ SIGMOID NEOPLASMS, radiography/ *UTERINE NEOPLASMS, radiography
2355. Lopatina ZhM: Opyt vaktsinno-medikamentoznoi terapii hol'nykh hrutsellezom s izmeneniami v sostoianii allergicheskoi reaktivnosti. *Sov Med* 36:72-8, May 73 (Rus)
ANIMAL EXPERIMENTS/ *ANTIBIOTICS, therapeutic use/ *BRUCELLA VACCINE, therapeutic use/ *BRUCELLA, drug therapy/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ GUINEA PIGS/ HUMAN/ HYALURONIDASE, therapeutic use/ *HYPERSENSITIVITY, drug therapy/ KALLIKREIN-TRYPSIN INACTIVATOR, therapeutic use/ PREDNISOLONE, therapeutic use/ PROCAINE, therapeutic use/ PYROGENS, therapeutic use/ THYROID HORMONES, therapeutic use/ *VITAMINS, therapeutic use
2356. Lorenc RS, Beskid M, Poniatowski LW, et al: The use of silica gel for human calcitonin isolation in some thyroid diseases. *Endocrinol Exp (Bratisl)* 7:267-73, 1973
ADENOMA, metabolism/ *CALCITONIN, isolation & purification/ CALCITONIN, metabolism/ DENSITOMETRY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ GOITER, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ METHODS/ SILICA/ *THYROID DISEASES, metabolism/ THYROID NEOPLASMS, metabolism
2357. Lorens SA, Mitchell CL: Influence of morphine on lateral hypothalamic self-stimulation in the rat. *Psychopharmacologia* 32:271-7, 28 Sep 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG TOLERANCE/ ELECTRODES, IMPLANTED/ *HYPOTHALAMUS, drug effects/ MALE/ MORPHINE, administration & dosage/ *MORPHINE, pharmacodynamics/ RATS/ *SELF STIMULATION
2358. Lorie IuI, Kondrat'eva AP, Kaverzneva MM: Lekarstvennoe lechenie limfogranulematoza. *Med Radiol (Mosk)* 18:32-7, May 73 (Rus)
ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ METHOTREXATE, therapeutic use/ PREDNISOLONE, therapeutic use/ PROCARBAZINE, therapeutic use/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use
2359. Lorie IuI, Poddubnaia IV, Khvatova NV: Sovremennaiia klinika ostrogo leikozia. *Ter Arkh* 45:67-72, Sep 73 (Rus)
ACUTE DISEASE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEUKEMIA, diagnosis/ LEUKEMIA, LYMPHOBLASTIC, diagnosis/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MERCAPTOPYRINE, therapeutic use/ PREDNISOLONE, therapeutic use/ RECURRENCE/ REMISSION
2360. Lott JR, McCain HB: Some effects of continuous and pulsating electric fields on brain wave activity in rats. *Int J Biometeorol* 17:221-5, Sep 73
ANIMAL EXPERIMENTS/ *ELECTRICITY/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ *HYPOTHALAMUS, physiology/ MALE/ RATS

AUTHOR SECTION

2361. Lovo A, Husted BE: Correlation between altered acetate utilization and hyperphagia in rats with ventromedial hypothalamic lesions. *Metabolism* 22:1459-65, Dec 73
*ACETATES, metabolism/ ANIMAL EXPERIMENTS/ *APPETITE DISORDERS, etiology/ APPETITE DISORDERS, metabolism/ CARBON DIOXIDE/ CARBON RADIOISOTOPES/ FEMALE/ *HYPOTHALAMUS, physiology/ LIPIDS, analysis/ *OBESITY, etiology/ RATS/ STEREOTAXIC TECHNIQUES/ TIME FACTORS
2362. Lowden JA, Skomorowski MA, Henderson F, et al: Automated assay of hexosaminidases in serum. *Clin Chem* 19:1345-9, Dec 73
*AMAUROTIC FAMILIAL IDIOCY, diagnosis/ AMAUROTIC FAMILIAL IDIOCY, familial & genetic/ AUTOANALYSIS/ CHILD/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL/ DRUG STABILITY/ *ENZYME TESTS/ EVALUATION STUDIES/ FEMALE/ HEAT/ HETEROZYGOSE/ *HEXOSAMINIDASES, blood/ HUMAN/ LEUKOCYTES, enzymology/ MASS SCREENING/ METHODS
2363. Lowe RF, Gilboe DD: Canine cerebrovascular response to nitroglycerin, acetylcholine, 5-hydroxytryptamine, and angiotensin. *Am J Physiol* 225:1333-8, Dec 73
*ACETYLCHOLINE, pharmacodynamics/ *ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CEREBROVASCULAR CIRCULATION, drug effects/ DEPRESSION, CHEMICAL/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLYCERYL TRINITRATE, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ *VASCULAR RESISTANCE, drug effects
2364. Lox CD, Christian CD, Heine MW: A simple radioimmunoassay for testosterone. *Am J Obstet Gynecol* 118:114-8, 1 Jan 74
ANIMAL EXPERIMENTS/ ANTIBODIES, analysis/ CATTLE/ CHROMATOGRAPHY/ COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ GYNECOLOGIC DISEASES, blood/ HUMAN/ INDICATORS AND REAGENTS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STANOLONE, blood/ *TESTOSTERONE, blood/ TRITIUM
2365. Littimer JK, Smith AM, Rezvan M: The optimum age to correct cryptorchidism. *Trans Am Assoc Genitourin Surg* 65:108-12, 1973
AGE FACTORS/ BODY IMAGE/ BODY TEMPERATURE/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ DNA, biosynthesis/ FERTILITY/ GONADOTROPINS, CHORIONIC, administration & dosage/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MALE/ PARENT-CHILD RELATIONS/ POLYMERS/ PROSTHESIS/ SILICONE ELASTOMERS/ SPERMATOGENESIS/ TESTIS, cytology/ TESTOSTERONE, biosynthesis
2366. Lu MH, Anderson RR: Growth of the mammary gland during pregnancy and lactation in the rabbit. *Biol Reprod* 9:538-43, Dec 73
ANIMAL EXPERIMENTS/ DNA, analysis/ FEMALE/ *LACTATION/ MAMMAE, analysis/ *MAMMAE, growth & development/ ORGAN WEIGHT/ *PREGNANCY/ PSEUDOPREGNANCY/ *RABBITS, physiology/ RNA, analysis/ TIME FACTORS
2367. Lu ST, Michaelson SM, Quinlan WJ: Sequential pathophysiological effects of ionizing radiation on the beagle thyroid gland. *J Natl Cancer Inst* 51:419-41, Aug 73
ANIMAL EXPERIMENTS/ DOGS/ HYPERPLASIA, chemically induced/ IODINE RADIOISOTOPES/ NEOPLASMS, EXPERIMENTAL, etiology/ *NEOPLASMS, RADIATION-INDUCED/ *RADIATION EFFECTS/ THYROID GLAND, physiology/ *THYROID GLAND, radiation effects/ THYROID GLAND FUNCTION TESTS/ *THYROID NEOPLASMS, etiology/ THYROIDITIS, etiology/ THYROTROPIN, diagnostic use/ TIME FACTORS
2368. Lubicz-Nawrocki CM: Proceedings: Effect of testosterone metabolites on sperm maturation in the epididymis of castrated hamsters. *J Reprod Fertil* 35:588-9, Dec 73
*ANDROSTANES, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ *EPIDIDYMIS, cytology/ FERTILIZATION/ HAMSTERS/ HYDROXYSTERIODS, pharmacodynamics/ LIGATION/ MALE/ *SPERMATOZOA, drug effects/ *STANOLONE, pharmacodynamics/ *TESTOSTERONE, pharmacodynamics
2369. Lubicz-Nawrocki CM, Saksena SK, Chang MC: The effect of prostaglandins E1 and F2alpha on the fertilizing ability of hamster spermatozoa. *J Reprod Fertil* 35:557-9, Dec 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ FEMALE/ *FERTILIZATION, drug effects/ HAMSTERS/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ *SPERMATOZOA, drug effects/ TESTOSTERONE, blood
2370. Lucas M, Smithies A: Banding patterns and autoradiographic studies of cells with an X-autosome translocation. *Ann Hum Genet* 37:9-12, Jul 73
AUTORADIOGRAPHY/ CHROMOSOME ABERRATIONS/ DNA REPLICATION/ FEMALE/ HUMAN/ KARYOTYPING/ OVARIAN DISEASES, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ STAINS AND STAINING/ TIME FACTORS
2371. Luciani L, De Paio GM, Conti U, et al: Carcinomi ovarici in fase avanzata trattati con thio-TEP. *Tumori* 59:259-67, Jul-Aug 73 (Ita)
*ADENOCARCINOMA, drug therapy/ ADULT/ *CARCINOMA, drug therapy/ *CARCINOMA, MUCINOUS, drug therapy/ *CYSTADENOCARCINOMA, drug therapy/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, drug therapy/ THIO-TEPA, administration & dosage/ *THIO-TEPA, therapeutic use
2372. Lüders D: T4-Test, Thyroid-Bindungs-Index und Freier Thyroxin-Index in der Pädiatrie. *Monatsschr Kinderheilkd* 121:659-65, Nov 73 (Ger)
BLOOD PROTEIN DISORDERS, blood/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ HYDANTOINS, pharmacodynamics/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE/ NEPHROSIS, blood/ PRIMIDONE, pharmacodynamics/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ TRIIODOTHYRONINE, blood
2373. Łukasik J: Niektóre aspekty metabolizmu glukozy w łożysku ludzkim. *Pol Tyg Lek* 28:2009-12, 17 Dec 73 (Pol)
ENGLISH ABSTRACT/ FEMALE/ *GLUCOSE, metabolism/ HUMAN/ LABOR, PREMATURE/ *PLACENTA, metabolism/ PLACENTA DISORDERS, metabolism/ PREGNANCY/ PREGNANCY COMPLICATIONS, metabolism
2374. Lulling J, Dubois G: Etude contrôlée d'un mucolytique associé à la kinésithérapie dans les bronchopneumopathies obstructives. *Acta Tuberc Pneumol Belg* 64:74-9, Jan-Feb 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ ALKYL SULFONATES, therapeutic use/ ANALYSIS OF VARIANCE/ ANTIBIOTICS, therapeutic use/ CLINICAL RESEARCH/ DRAINAGE/ ENGLISH ABSTRACT/ *EXPECTORANTS, therapeutic use/ HUMAN/ *LUNG DISEASES, OBSTRUCTIVE, drug therapy/ LUNG DISEASES, OBSTRUCTIVE, therapy/ MALE/

AUTHOR SECTION

- MIDDLE AGE/ POSTURE/ RESPIRATORY
FUNCTION TESTS/ RESPIRATORY SYSTEM,
secretion/ SECRETORY RATE/
*SULFHYDRYL COMPOUNDS, therapeutic use
2375. Lumbers ER: Proceedings: Renin and angiotensin II of
extrarenal origin in the plasma of female rabbits.
J Physiol (Lond) 234:94P-95P, Oct 73
*ANGIOTENSIN, blood/ ANIMAL
EXPERIMENTS/ FEMALE/ KIDNEY,
physiology/ MALE/ NEPHRECTOMY/
PREGNANCY/ RABBITS/
RADIOIMMUNOASSAY/ *RENIN, blood/ SEX
FACTORS
2376. Lundberg WI, Wall JE, Mathers JE: Laparoscopy in
evaluation of pelvic pain.
Obstet Gynecol 42:872-6, Dec 73
ADHESIONS, diagnosis/ ADHESIONS, surgery/
ADOLESCENCE/ ADULT/ AGED/
COMPARATIVE STUDY/ ENDOMETRIOSIS,
diagnosis/ ENDOMETRIOSIS, surgery/
FALLOPIAN TUBES, pathology/ FEMALE/
*GYNECOLOGIC DISEASES, diagnosis/
HUMAN/ HYPERTROPHY, diagnosis/
*LAPAROSCOPY/ MIDDLE AGE/ OVARY,
pathology/ *PAIN/ PALPATION/ *PELVIC
NEOPLASMS, diagnosis/ PELVIC NEOPLASMS,
surgery/ *PELVIS/ PHYSICAL EXAMINATION
2377. Lunderquist A, Voegeli E: Angiographic findings in the
adrenals during stress.
Am J Roentgenol Radium Ther Nucl Med 119:560-3,
Nov 73
ABDOMINAL INJURIES, complications/
ADOLESCENCE/ *ADRENAL GLANDS, blood
supply/ ADRENAL GLANDS, radiography/
ADULT/ AGED/ *ANGIOGRAPHY/ CELIAC
ARTERY, radiography/ HEMORRHAGE,
etiology/ HEMORRHAGE, radiography/
HUMAN/ MIDDLE AGE/ POSTOPERATIVE
COMPLICATIONS/ SHOCK, HEMORRHAGIC,
etiology/ *SHOCK, HEMORRHAGIC,
radiography/ *STRESS, complications
2378. Lundin P, Järplid B: Effects of corticosteroid and
radiation on lymphoid tissue in mice. Comparisons
and mutual interactions. Lymphology 8:158-66, Sep 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
COMPARATIVE STUDY/ FEMALE/ LYMPH
NODES, drug effects/ LYMPH NODES,
radiation effects/ LYMPHOCYTES, drug
effects/ LYMPHOCYTES, radiation effects/
*LYMPHOID TISSUE, drug effects/
*LYMPHOID TISSUE, radiation effects/ MICE/
MICE, INBRED CBA/ ORGAN WEIGHT/
PEYER'S PATCHES, drug effects/ PEYER'S
PATCHES, radiation effects/
PREDNISOLONE, pharmacodynamics/
*RADIATION EFFECTS/ SPLEEN, drug
effects/ SPLEEN, radiation effects/ THYMUS
GLAND, drug effects/ THYMUS GLAND,
radiation effects
2379. Lunglmayr G, Spona J, Breitenacker G, et al: Wirkung
eines Milzdiälysatates auf die Genitalorgane der
männlichen Ratte. 2. Radioimmunologische
testosteronbestimmungen im Plasma. (Ger)
Andrologie 5:223-26, 1973
ANIMAL EXPERIMENTS/
ANTIGEN-ANTIBODY COMPLEX/ BUFFERS/
CATTLE/ ENGLISH ABSTRACT/ GENITALIA,
MALE, drug effects/ *GENITALIA, MALE,
metabolism/ GONADOTROPINS, CHORIONIC,
pharmacodynamics/ IMMUNE SERUMS/ MALE/
METHODS/ MOLECULAR WEIGHT/ RATS/
SODIUM CHLORIDE, pharmacodynamics/
*SPLEEN/ STIMULATION, CHEMICAL/
*TESTOSTERONE, blood/ *TISSUE
EXTRACTS, pharmacodynamics/ TRITIUM
2380. Lupovitch A, Shanoski S: Massive edema of the ovary.
Am J Obstet Gynecol 118:291-3, 15 Jan 74
ABDOMEN, ACUTE/ ADULT/ CASTRATION/
DIAGNOSIS, DIFFERENTIAL/ *EDEMA/
EDEMA, pathology/ EDEMA, surgery/
FEMALE/ HIRSUTISM, complications/
HUMAN/ HYPERTROPHY/ MENSTRUATION
DISORDERS, complications/ NECROSIS/
OVARIAN CYSTS, pathology/ *OVARIAN
- DISEASES/ OVARIAN DISEASES, diagnosis/
OVARIAN DISEASES, surgery/ OVARY,
pathology
2381. Lützen L, Ueberberg H: A study on morphological
changes in the testes of old albino rats.
Beitr Pathol 149:377-85, Sep 73
ADENOMA, pathology/ AGE FACTORS/
ANIMAL EXPERIMENTS/ GERM-FREE LIFE/
HYPERPLASIA/ LEYDIG CELLS/ MALE/
*RATS/ TESTICULAR NEOPLASMS,
pathology/ *TESTIS, pathology
2382. Luyckx A: Utilisation clinique prolongée d'une
association d'hormones thyroïdiennes synthétiques
dans l'insuffisance thyroïdienne et le goitre eu
thyroïdien. Rev Med Liege 28:702-11, 15 Oct 73 (Fre)
ADOLESCENCE/ ADULT/ AGED/ DRUG
COMBINATIONS/ DRUG TOLERANCE/
FEMALE/ *GOITER, drug therapy/ HUMAN/
*HYPOTHYROIDISM, drug therapy/ MALE/
MIDDLE AGE/ THYROID GLAND FUNCTION
TESTS/ THYROID HORMONES, administration
& dosage/ *THYROID HORMONES,
therapeutic use/ THYROXINE,
therapeutic use/ TIME FACTORS/
TRIIODOTHYRONINE, therapeutic use
2383. Luža E: Hojení hčrcovčho vředu ve vyšším věku.
(Cze)
Rozhl Chir 52:679-88, Oct 73
AGED/ BANDAGES/ DEXAMETHASONE,
therapeutic use/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
TIME FACTORS/ VARICOSE ULCER, drug
therapy/ *VARICOSE ULCER, therapy/
*WOUND HEALING
2384. Lybeck H, Leppäluoto J, Virkkunen P, et al:
Suppression of TRH-mediated thyroidal release of
131-I by a synthetic analog.
Neuroendocrinology 12:366-70, 1973
ANIMAL EXPERIMENTS/ *IODINE,
metabolism/ IODINE RADIOISOTOPES/ MICE/
*THYROID GLAND, drug effects/ THYROID
GLAND, metabolism/ THYROTROPIN
RELEASING HORMONE, administration &
dosage/ *THYROTROPIN RELEASING
HORMONE, pharmacodynamics/
TRIIODOTHYRONINE, pharmacodynamics
2385. Lynch HT: Cancer genetics. II. Studies in humans.
Problems in human studies.
Nehr Med J 58:401-7, Nov 73 (24 ref.)
CHROMOSOME ABNORMALITIES, familial &
genetic/ CYTOGENETICS/ ENVIRONMENT/
GENES, REGULATOR/ *GENETICS, HUMAN/
GENETICS, POPULATION/ HUMAN/
NEOPLASM METASTASIS, familial & genetic/
NEOPLASM RECURRENCE, LOCAL/
NEOPLASMS, etiology/ *NEOPLASMS, familial
& genetic/ NEOPLASMS, occurrence/
PRECANCEROUS CONDITIONS, familial &
genetic/ RACIAL STOCKS/ REVIEW/ SEX
CHROMOSOME ABNORMALITIES, familial &
genetic

M

2386. Maass G: Hormonale Kontrazeptiva--psychosomatische
Aspekte. Z Allgemeinmed 49:1291-4, 30 Sep 73 (Ger)
ADULT/ *AFFECTIVE DISTURBANCES,
chemically induced/ *CONTRACEPTIVES,
ORAL, adverse effects/ FEMALE/ HUMAN/
PROGESTATIONAL HORMONES, adverse
effects
2387. McCall E, Youlten LJ: Proceedings: Prostaglandin E1
synthesis by phagocytosing rabbit
polymorphonuclear leucocytes: its inhibition by
indomethacin and its role in chemotaxis.
J Physiol (Lond) 234:98P-100P, Oct 73
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ BORDETELLA PERTUSSIS/
*CHEMOTAXIS/ ENZYME ACTIVATION/ IN
VITRO/ *INDOMETHACIN, pharmacodynamics/
*LEUKOCYTES, metabolism/
PHAGOCYTOSIS/ PROSTAGLANDINS,
antagonists & inhibitors/ *PROSTAGLANDINS,
biosynthesis/ PROSTAGLANDINS, physiology/
RABBITS

AUTHOR SECTION

2388. McCallum RE, Berry LJ: Effects of endotoxin on gluconeogenesis, glycogen synthesis, and liver glycogen synthase in mice.
Infect Immun 7:642-54, Apr 73
ALANINE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ CARBON RADIOISOTOPES/ DACTINOMYCIN, pharmacodynamics/ *ENDOTOXINS, pharmacodynamics/ FASTING/ FEMALE/ *GLUCONEOGENESIS, drug effects/ GLUCOSE, metabolism/ *GLYCOGEN, biosynthesis/ *GLYCOGEN SYNTHETASE, metabolism/ HYDROCORTISONE, pharmacodynamics/ LIVER GLYCOGEN, metabolism/ MICE/ PYRUVATES, metabolism/ SALMONELLA TYPHIMURIUM, immunology
2389. McCaughey WJ, Purcell DA: Brucellosis in bulls.
Vet Rec 93:336-7, 22 Sep 73
ANIMAL EXPERIMENTS/ ANTIGENS, BACTERIAL, analysis/ BRUCELLA ABORTUS, isolation & purification/ *BRUCELLOSIS, BOVINE, pathology/ CATTLE/ EPIDIDYMIUM, pathology/ MALE/ NECROSIS/ *TESTIS, pathology
2390. McCausland IP: Diseases of the domestic fowl in Northern New Zealand. NZ Vet J 20:160-6, Sep 72
ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, veterinary/ ANIMAL EXPERIMENTS/ AVIAN LEUKOSIS, occurrence/ *CHICKENS/ DIAGNOSTIC ERRORS, veterinary/ FEMALE/ MAREK'S DISEASE, occurrence/ MYCOPLASMA INFECTIONS, occurrence/ MYCOPLASMA INFECTIONS, veterinary/ NEW ZEALAND/ OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, veterinary/ PARASITIC DISEASES, occurrence/ PARASITIC DISEASES, veterinary/ POULTRY DISEASES, occurrence/ RESPIRATORY TRACT INFECTIONS, occurrence/ RESPIRATORY TRACT INFECTIONS, veterinary
2391. McCloskey LR, Deubert KH: Polychlorinated biphenyls in the seastar Acanthaster planci.
Bull Environ Contam Toxicol 10:261-4, Nov 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DDE, analysis/ GONADS, analysis/ *PESTICIDE RESIDUES/ *POLYCHLOROBIPHENYL COMPOUNDS, analysis/ *STARFISH
2392. McClure HM, Olberding B, Strozler LM: Disseminated herpesvirus infection in a rhesus monkey (Macaca mulatta). J Med Primatol 2:190-4, 1973
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ ESOPHAGEAL DISEASES, pathology/ ESOPHAGEAL DISEASES, veterinary/ ESOPHAGUS, pathology/ HERPESVIRUS, isolation & purification/ HERPESVIRUS INFECTIONS, microbiology/ HERPESVIRUS INFECTIONS, pathology/ *HERPESVIRUS INFECTIONS, veterinary/ INCLUSION BODIES, VIRAL/ LIVER, pathology/ *MACACA/ MICROSCOPY, ELECTRON/ *MONKEY DISEASES/ MONKEY DISEASES, microbiology/ MONKEY DISEASES, pathology/ MONKEYS/ NECROSIS/ SPLEEN, pathology/ STOMACH ULCER, pathology/ STOMACH ULCER, veterinary/ STOMATITIS, APHTHOUS, pathology/ STOMATITIS, APHTHOUS, veterinary/ ULCER, pathology/ ULCER, veterinary
2393. McClusky OE: Perspectives in renovascular hypertension. Mil Med 138:808-10, Dec 73
HUMAN/ *HYPERTENSION, RENAL/ HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, radiography/ HYPERTENSION, RENAL, surgery/ KIDNEY FUNCTION TESTS/ MIDDLE AGE/ RENAL VEINS/ RENIN, blood
2394. McCormack JJ, Homm RE, McGuire JL, et al: Inhibition of embryonic development in Rana pipiens by 2-methyl-3-ethyl-4-phenyl-4-cyclohexene carboxylic acid (ORF 3858). J Reprod Fertil 36:253-6, Jan 74
ANIMAL EXPERIMENTS/ BINDING SITES/ *CYCLOHEXANECARBOXYLIC ACIDS, pharmacodynamics/ *EMBRYO, drug effects/ *ESTROGENS, pharmacodynamics/ FROGS/ NUCLEIC ACIDS, metabolism/ *RANA PIPPIENS, embryology/ TRITIUM
2395. McCormick JR, Herman AH, Lien WM, et al: Hydrocortisone metabolism in the adrenalectomized dog: the quantitative significance of each organ system in the total metabolic clearance of hydrocortisone. Endocrinology 91:17-26, Jan 74
*ADRENALECTOMY/ AMINOHIPPURIC ACID, diagnostic use/ ANIMAL EXPERIMENTS/ BLOOD FLOW VELOCITY/ DOGS/ FEMALE/ *GASTROINTESTINAL SYSTEM, metabolism/ HALF-LIFE/ *HYDROCORTISONE, metabolism/ KIDNEY, blood supply/ *KIDNEY, metabolism/ *LIVER, metabolism/ LIVER CIRCULATION/ MALE/ METABOLIC CLEARANCE RATE/ PORTAL VEIN/ REGIONAL BLOOD FLOW
2396. MacCorquodale DW: Sex differentials among family planning physicians in the Philippines.
Health Serv Rep 88:963-7, Dec 73
ADULT/ *ATTITUDE OF HEALTH PERSONNEL/ CATHOLICISM/ CONTRACEPTIVES, ORAL/ DEMOGRAPHY/ FAMILY CHARACTERISTICS/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ PHILIPPINES/ *PHYSICIANS/ PHYSICIANS, utilization/ PHYSICIANS, WOMEN/ PHYSICIANS, WOMEN, utilization/ RELIGION AND MEDICINE/ SAMPLING STUDIES/ SEX FACTORS/ STERILIZATION, SEXUAL/ STERILIZATION, TUBAL/ VASECTOMY
2397. McCrann DJ Jr, Marchant DJ, Bardawil WA: Ovarian carcinoma in three teen-age siblings.
Obstet Gynecol 43:132-7, Jan 74
ADOLESCENCE/ ADULT/ *CARCINOMA, familial & genetic/ CARCINOMA, pathology/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ CARCINOMA, EPIDERMAL, familial & genetic/ CASTRATION/ CYTOPLASM/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ HYSTERECTOMY/ KARYOTYPING/ LUNG NEOPLASMS, familial & genetic/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ OVARIAN NEOPLASMS, familial & genetic/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, radiotherapy/ OVARIAN NEOPLASMS, surgery/ PEDIGREE
2398. McCullough DL, Gittes RF: Successful renal transplantation after forty-five hours of extracorporeal perfusion. Urology 2:615-8, Dec 73
AZATHIOPRINE, therapeutic use/ BIOPSY/ *CADAVER/ COLD/ DRUG HYPERSENSITIVITY, complications/ GRAFT REJECTION/ HEMODIALYSIS/ HUMAN/ *KIDNEY, transplantation/ KIDNEY FAILURE, ACUTE, diagnosis/ KIDNEY FAILURE, CHRONIC, surgery/ KIDNEY TUBULES, pathology/ PENICILLIN, adverse effects/ *PERFUSION/ PREDNISONE, therapeutic use/ RADIOISOTOPE SCANNING/ TIME FACTORS/ *TISSUE PRESERVATION/ TISSUE PRESERVATION, instrumentation/ TRANSPLANTATION, HOMOLOGOUS
2399. Macdonald GJ, Moudgal NR, Raj HG, et al: Maintenance of progesterone secretion by ovine prolactin or pituitary autografts in the absence of endogenous LH.
Proc Soc Exp Biol Med 144:923-6, Dec 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CORPUS LUTEUM, secretion/ ESTRUS/ FEMALE/ HYPOPHYSECTOMY/ IMMUNE SERUMS/ INJECTIONS, SUBCUTANEOUS/ LH/ *PITUITARY GLAND, transplantation/ PROGESTERONE, blood/ *PROGESTERONE, secretion/ PROLACTIN, administration & dosage/ *PROLACTIN, pharmacodynamics/ PROLACTIN, physiology/ RABBITS, immunology/

AUTHOR SECTION

- RADIOIMMUNOASSAY/ RATS/ SWINE/
TRANSPLANTATION, AUTOLOGOUS
2400. McDonald KM: Effect of hematocrit and colloid-induced changes in blood viscosity on renal hemodynamics and renin release in the dog. *Circ Res* 40:112-22, Jan 74
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/
*BLOOD VISCOSITY/ CARDIAC OUTPUT/
COLLOIDS/ CREATININE, urine/ DEXTRAN,
administration & dosage/ DOGS/
*HEMATOCRIT/ *KIDNEY, blood supply/
KIDNEY, metabolism/ KIDNEY, physiology/
POTASSIUM, urine/ REGIONAL BLOOD
FLOW/ RENIN, metabolism/ SODIUM, urine
2401. McDougall IR: Letter: Thyroid cancer after Iodine-131 therapy. *JAMA* 227:438, 28 Jan 74
ADOLESCENCE/ ADULT/ AGED/ CHILD/
HUMAN/ *HYPERTHYROIDISM, radiotherapy/
*IODINE RADIOISOTOPES, therapeutic use/
MIDDLE AGE/ *RADIOTHERAPY, adverse
effects/ RADIOTHERAPY DOSAGE/
*THYROID NEOPLASMS, etiology/ TIME
FACTORS
2402. McDowell RV, Sproles ET 3d: The Russell-Silver syndrome: a nine-year follow-up. *Am J Dis Child* 126:794-8, Dec 73
*ABNORMALITIES, MULTIPLE/
ADOLESCENCE/ CHILD, PRESCHOOL/
CRANIOFACIAL DYSOSTOSIS/ *DWARFISM/
FEMALE/ FOLLOW-UP STUDIES/ HUMAN/
*HYPERTROPHY, congenital/ INFANT/
INFANT, NEWBORN/ PUBERTY,
PRECOCIOUS/ SYNDACTYLIA/ SYNDROME/
TOES, abnormalities
2403. McElwain TJ: Chemotherapy of the lymphomas. *Semin Hematol* 11:59-72, Jan 74
ADRIAMYCIN, therapeutic use/ ADULT/
BURKITT'S LYMPHOMA, drug therapy/
CHILD/ CHLORAMBUCIL, therapeutic use/
CYCLOPHOSPHAMIDE, therapeutic use/
DRUG THERAPY, COMBINATION/
HODGKIN'S DISEASE, drug therapy/ HUMAN/
*LYMPHOMA, drug therapy/ LYMPHOMA,
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therapy/ NITROGEN MUSTARD COMPOUNDS,
therapeutic use/ PREDNISONE, therapeutic
use/ PROCARBAZINE, therapeutic use/
VINBLASTINE, therapeutic use/
VINCISTINE, therapeutic use
2404. Macfarlane NA: Effects of hypophysectomy on osmoregulation in the euryhaline flounder, *Platichthys flesus* (L.), in sea water and in fresh water. *Comp Biochem Physiol [A]* 47:201-17, Jan 74
ANIMAL EXPERIMENTS/ CALCIUM, blood/
CHLORIDES, blood/ COMPARATIVE STUDY/
*FISHES, physiology/ FRESH WATER/
HYPOPHYSECTOMY/ MAGNESIUM, blood/
MAGNESIUM, urine/ OSMOLAR
CONCENTRATION/ *PITUITARY GLAND,
physiology/ POTASSIUM, blood/ POTASSIUM,
urine/ PROLACTIN, pharmacodynamics/
SHEEP/ SODIUM, blood/ SODIUM, urine/
URINATION/ *WATER-ELECTROLYTE
BALANCE/ WATER-ELECTROLYTE
BALANCE, drug effects
2405. McGuire EJ, Lytton B, Cornog JL Jr: Interstitial cystitis following colostomy. *Urology* 2:28-9, Jul 73
ADOLESCENCE/ BIOPSY/ *BLADDER,
surgery/ CYSTITIS, drug therapy/ *CYSTITIS,
etiology/ CYSTITIS, immunology/ CYSTITIS,
pathology/ CYSTITIS, surgery/ FEMALE/
HUMAN/ INFLAMMATION/ INTESTINAL
MUCOSA, pathology/
METHYLPREDNISOLONE, therapeutic use/
POSTOPERATIVE COMPLICATIONS/
PREDNISONE, therapeutic use/
RECURRENCE/ SIGMOID, pathology/
*SIGMOID, transplantation/
TRANSPLANTATION, AUTOLOGOUS
2406. McGuire WL, Chamness GC, Costlow ME, et al: Hormone dependence in breast cancer. *Metabolism* 23:75-100, Jan 74 (154 ref.)
ANIMAL EXPERIMENTS/
BENZANTHRACENES/ BINDING SITES/
BREAST NEOPLASMS, drug therapy/
*BREAST NEOPLASMS, metabolism/ CELL
NUCLEUS, metabolism/ CENTRIFUGATION,
DENSITY GRADIENT/ CHROMATIN,
metabolism/ CYTOSOL, metabolism/
*ENDOCRINE GLANDS, metabolism/
ESTRADIOL, metabolism/ ESTROGENS,
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HUMAN/ MAMMARY NEOPLASMS,
EXPERIMENTAL, chemically induced/
MAMMARY NEOPLASMS, EXPERIMENTAL,
metabolism/ NEOPLASM METASTASIS/
*PROLACTIN, metabolism/ RATS/
RECEPTORS, HORMONE/ REVIEW/
TEMPERATURE/ UTERUS, metabolism
2407. Mach RS: L'ode-Basedow, problème toujours d'actualité. Le rôle des médecins suisses dans sa découverte. *Schweiz Med Wochenschr* 103:1481-7, Oct 73 (Fre)
ADULT/ AGED/ *ARRHYTHMIA, chemically
induced/ ENGLISH ABSTRACT/ GOITER,
drug therapy/ GOITER, history/ *GOITER,
EXOPHTHALMIC, chemically induced/
HISTORICAL ARTICLE/ HISTORY OF
MEDICINE, 18TH CENT./ HISTORY OF
MEDICINE, 19TH CENT./ HISTORY OF
MEDICINE, 20TH CENT./ HUMAN/ *IODINE,
adverse effects/ IODINE, therapeutic use/
MIDDLE AGE/ SWITZERLAND
2408. Mach Z: Reactivity of the pituitary-thyroid system to exogenic thyroxine and propylthiouracil during the peri- and neonatal period in the rabbit. *Folia Biol (Krakow)* 21:379-89, 1973
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ FEMALE/
HISTOCYTOCHEMISTRY/ MATERNAL-FETAL
EXCHANGE/ *PITUITARY GLAND, drug
effects/ PITUITARY GLAND, growth &
development/ PREGNANCY/
*PROPYLTHIOURACIL, pharmacodynamics/
*THYROID GLAND, drug effects/ THYROID
GLAND, growth & development/
*THYROXINE, pharmacodynamics
2409. Machleidt W, Wachter E, Scheulen M, et al: Solid-phase Edman degradation of a protein: N-terminal sequence of cytochrome c from *Candida krusei*. *FEBS Lett* 37:217-20, 1 Dec 73
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ AUTOANALYSIS/ *CANDIDA,
enzymology/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ *CYTOCHROME C,
analysis/ EVALUATION STUDIES/ GLASS/
HYDANTOINS/ METHODS/
SPECTROPHOTOMETRY/ THIOCYANATES
2410. Macho L, Alexandrová M, Hromadová M, et al: The uptake of corticosterone-4-14C by rat tissues during the postnatal ontogenesis. *Endokrinologie* 61:365-71, Jun 73
ADRENAL GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ BRAIN, metabolism/ CARBON
RADIOISOTOPES/ CORTICOSTERONE, blood/
*CORTICOSTERONE, metabolism/
DIAPHRAGM, metabolism/ GERM-FREE LIFE/
HYPOTHALAMUS, metabolism/ KIDNEY,
metabolism/ LIVER, metabolism/ PITUITARY
GLAND, metabolism/ RATS/ SPLEEN,
metabolism/ TIME FACTORS
2411. McIntosh JE, Moor RM: Proceedings: Regulation of steroid secretion in sheep ovarian follicles. *J Reprod Fertil* 35:605-6, Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ *ESTROGENS,
secretion/ FEMALE/ *GRAAFIAN FOLLICLE,
secretion/ *LH, pharmacodynamics/ ORGAN
CULTURE/ *PROGESTATIONAL HORMONES,
secretion/ SECRETORY RATE, drug effects/
SHEEP/ *TESTOSTERONE, secretion
2412. McKenzie JM, Murphy SS: Treatment of the thyroid nodule. *Adv Intern Med* 17:215-36, 1973 (98 ref.)

AUTHOR SECTION

- ADENOMA, diagnosis/ ANTIBODIES/ BIOPSY/ CARCINOMA, pathology/ CARCINOMA, PAPILLARY, pathology/ CYSTADENOMA, PAPILLARY, pathology/ CYSTS, pathology/ DIAGNOSIS, DIFFERENTIAL/ FLUORESCENCE/ GOITER, NODULAR, drug therapy/ *GOITER, NODULAR, pathology/ GOITER, NODULAR, radiotherapy/ HUMAN/ HYPERTHYROIDISM, diagnosis/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES, therapeutic use/ METHIONINE, diagnostic use/ RADIOISOTOPE SCANNING/ RADIOISOTOPES/ REVIEW/ SELENIUM, diagnostic use/ THYROID DISEASES, pathology/ *THYROID GLAND, pathology/ THYROID GLAND FUNCTION TESTS/ THYROID HORMONES, diagnostic use/ *THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, drug therapy/ *THYROID NEOPLASMS, occurrence/ *THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, radiography/ *THYROID NEOPLASMS, radiotherapy/ THYROIDITIS, LYMPHOMATOUS, pathology/ THYROTROPIN, diagnostic use/ THYROTROPIN, secretion
2413. McLaughlan JM: Dietary phosphorus, PTH, and bone resorption. *Nutr Rev* 31:295, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ *BONE RESORPTION/ CALCIUM, DIETARY, administration & dosage/ MICE/ OSTEOPOROSIS, etiology/ *PHOSPHORUS, administration & dosage
2414. Maclean D, Murison J, Griffiths PD: Acute pancreatitis and diabetic ketoacidosis in accidental hypothermia and hypothermic myxoedema.
Br Med J 4:757-61, 29 Dec 73
*ACIDOSIS, DIABETIC, etiology/ ACUTE DISEASE/ ADULT/ AGED/ AMYLASE, blood/ BICARBONATES, blood/ BLOOD SUGAR, analysis/ CARBON DIOXIDE, blood/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *HYPOTHERMIA, complications/ MALE/ MIDDLE AGE/ MYXEDEMA, complications/ OXYGEN, blood/ *PANCREATITIS, etiology/ PARTIAL PRESSURE/ PROTEIN-BOUND IODINE TEST/ THYROID HORMONES, therapeutic use
2415. McLeay DJ: Effects of cortisol and dexamethasone on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*.
Gen Comp Endocrinol 21:441-50, Dec 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BLOOD CELL COUNT/ BLOOD PLATELETS, drug effects/ CELL NUCLEUS, drug effects/ *DEXAMETHASONE, pharmacodynamics/ ERYTHROCYTES, drug effects/ *HYDROCORTISONE, pharmacodynamics/ *LEUKOCYTES, drug effects/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *SALMONIDAE, physiology
2416. McLeay DJ: Effects of ACTH on the pituitary-interrenal axis and abundance of white blood cell types in juvenile coho salmon, *Oncorhynchus kisutch*.
Gen Comp Endocrinol 21:431-40, Dec 73
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, drug effects/ CELL NUCLEOLUS, metabolism/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, metabolism/ *CORTICOTROPIN, pharmacodynamics/ CYTOPLASM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPERPLASIA, chemically induced/ LEUKOCYTE COUNT/ *LEUKOCYTES, drug effects/ LYMPHOCYTES, drug effects/ NEUTROPHILS, drug effects/ *PITUITARY-ADRENAL SYSTEM, drug effects/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ RNA, biosynthesis/ *SALMONIDAE, physiology
2417. McLennan MW, Willoughby RA: Observations of serum protein values of cows during estrus, lactation, parturition and milk fever. *Can Vet J* 14:233-42, Oct 73
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, analysis/ *CATTLE, metabolism/ *CATTLE DISEASES, blood/ ESTRUS/ FEMALE/ HYPOCALCEMIA, blood/ HYPOCALCEMIA, veterinary/ LABOR/ LACTATION/ PARALYSIS, blood/ PARALYSIS, veterinary/ PREGNANCY/ PUERPERAL DISORDERS, blood/ *PUERPERAL DISORDERS, veterinary
2418. McLennan MW, Willoughby RA: Observations on ionized calcium in the plasma of cows during estrus. *Can Vet J* 14:229-32, Oct 73
ANIMAL EXPERIMENTS/ *CALCIUM, blood/ *CATTLE, metabolism/ *ESTRUS/ FEMALE
2419. MacLennan WJ, Caird FI: Measurement of bone thickness from radiographs of a metacarpal bone. *Gerontol Clin (Basel)* 15:32-6, 1973
AGED/ *BONE AND BONES, anatomy & histology/ HUMAN/ MATHEMATICS/ *METACARPUS, anatomy & histology/ METACARPUS, radiography/ METHODS
2420. Macleod M: Polymyalgia rheumatica. *Practitioner* 211:351-3, Sep 73
AGED/ ARTERITIS, complications/ BLOOD SEDIMENTATION/ CERVIX NEOPLASMS, complications/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ POLYMYALGIA RHEUMATICA, complications/ *POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ PREDNISOLONE, therapeutic use/ RECTAL NEOPLASMS, complications
2421. MacLeod RM, Lehmyer JE, Bruni C: Effect of anti-mitotic drugs on the in vitro secretory activity of mammothrophs and somatotrophs and on their microtubules.
Proc Soc Exp Biol Med 144:259-67, 1 Oct 73
ANIMAL EXPERIMENTS/ *COLCHICINE, pharmacodynamics/ *CYTOCHALASIN B, pharmacodynamics/ DEPRESSION, CHEMICAL/ FEMALE/ IN VITRO/ MALE/ *MICROTUBULES, drug effects/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, metabolism/ PERPHENAZINE, antagonists & inhibitors/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ *PITUITARY NEOPLASMS, metabolism/ PROLACTIN, biosynthesis/ PROLACTIN, secretion/ RATS/ SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, secretion/ TRITUM/ VINBLASTINE, pharmacodynamics/ *VINCA ALKALOIDS, pharmacodynamics/ VINCRISTINE, pharmacodynamics
2422. McMillan R, Longmire RL, Tavassoli M, et al: In vitro platelet phagocytosis by splenic leukocytes in idiopathic thrombocytopenic purpura.
N Engl J Med 290:249-51, 31 Jan 74
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBODY FORMATION/ AUTOANTIBODIES, analysis/ BLOOD CELL COUNT/ *BLOOD PLATELETS, immunology/ HUMAN/ IGG, biosynthesis/ IN VITRO/ LEUKOCYTE COUNT/ LEUKOCYTES, immunology/ LEUKOCYTES, metabolism/ METHODS/ MICROSCOPY, ELECTRON/ *PHAGOCYTOSIS/ PURPURA, THROMBOCYTOPENIC, blood/ PURPURA, THROMBOCYTOPENIC, drug therapy/ *PURPURA, THROMBOCYTOPENIC, immunology/ PURPURA, THROMBOCYTOPENIC, therapy/ SPLEEN, cytology/ *SPLEEN, immunology/ SPLENECTOMY
2423. McNeill JH, Verma SC: Blockade by burimamide of the effects of histamine and histamine analogs on cardiac contractility, phosphorylase activation and cyclic adenosine monophosphate.
J Pharmacol Exp Ther 188:180-8, Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL

AUTHOR SECTION

EXPERIMENTS/ *ANTI-HISTAMINICS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ ETHYLAMINES, pharmacodynamics/ *GLYCOGEN PHOSPHORYLASE, metabolism/ GUINEA PIGS/ *HEART, drug effects/ HEPARIN, pharmacodynamics/ *HISTAMINE, pharmacodynamics/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ *MYOCARDIUM, enzymology/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PYRAZOLES, pharmacodynamics/ STIMULATION, CHEMICAL/ THEOPHYLLINE, pharmacodynamics/ *THIOUREA, pharmacodynamics/ TIME FACTORS/ TRIAZOLES, pharmacodynamics

2424. McPhie JL, Beck JS: The histological features and human growth hormone content of the pharyngeal pituitary gland in normal and endocrinologically-disturbed patients. Clin Endocrinol (Oxf) 2:157-73, Apr 73

ADOLESCENCE/ ADULT/ AGED/ ANENCEPHALUS, metabolism/ ANENCEPHALUS, pathology/ AUTOPSY/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, pathology/ *ENDOCRINE DISEASES, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYDROCEPHALUS, metabolism/ HYDROCEPHALUS, pathology/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, pathology/ PREGNANCY/ *SOMATOTROPIN, metabolism

2425. McReynolds EW, Cowan RB, Roy S 3d: Salt losing nephritis in the pruned belly syndrome. J Tenn Med Assoc 66:1045-7, Nov 73

*ABDOMINAL WALL, abnormalities/ *ABNORMALITIES, MULTIPLE, complications/ ABNORMALITIES, MULTIPLE, pathology/ *CRYPTORCHISM, complications/ HUMAN/ INFANT/ KIDNEY, pathology/ MALE/ *NEPHRITIS, INTERSTITIAL, complications/ NEPHRITIS, INTERSTITIAL, pathology/ *SODIUM CHLORIDE, metabolism/ *UROGENITAL SYSTEM, abnormalities

2426. McTaggart DR: Sarcoidosis with cardiac involvement. Med J Aust 2:689-90, 6 Oct 73

AGED/ BUNDLE-BRANCH BLOCK, etiology/ CASE REPORT/ FEMALE/ HEART BLOCK, drug therapy/ *HEART BLOCK, etiology/ HUMAN/ PREDNISOLONE, therapeutic use/ *SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy

2427. McVicar MI, Smithwick EM, Friedman EA: Editorial: Diffuse proliferative lupus nephritis. Evaluation of therapy. Urology 1:174-8, Feb 73

ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ AZATHIOPRINE, therapeutic use/ CHILD/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG EVALUATION/ DRUG SYNERGISM/ DRUG THERAPY, COMBINATION/ IMMUNOGLOBULIN FRAGMENTS, urine/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *NEPHRITIS, drug therapy/ NEPHRITIS, mortality/ PLACEBO/ PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PROSPECTIVE STUDIES

2428. Madeira VM, Antunes-Madeira MC: Interaction of Ca²⁺ and Mg²⁺ with synaptic plasma membranes. Biochim Biophys Acta 323:396-407, 25 Oct 73

ACETYLCHOLINE, pharmacodynamics/

ACETYLCHOLINESTERASE, analysis/ ANILINO NAPHTHALENESULFONATES, metabolism/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CATIONS, DIVALENT, pharmacodynamics/ CENTRIFUGATION, DENSITY GRADIENT/ CHLORPROMAZINE, pharmacodynamics/ FLUOROMETRY/ *MAGNESIUM, metabolism/ PROCAINE, pharmacodynamics/ SHEEP/ SUCCINATE DEHYDROGENASE, analysis/ SYNAPTIC MEMBRANES, drug effects/ *SYNAPTIC MEMBRANES, metabolism/ SYNAPTOSOMES, enzymology/ TETRACaine, pharmacodynamics

2429. Madievska NN, Derkach VV: Funktsional'noe sostoyaniye nekotorykh regulatorno-kompensatornykh sistem organizma pri ekzeme.

Vestn Dermatol Venerol 47:5-11, Jun 73 (Rus) ACETYLCHOLINESTERASE, blood/ ADRENAL GLANDS, physiology/ ADULT/ BRAIN, physiology/ ECZEMA, blood/ ECZEMA, enzymology/ *ECZEMA, physiology/ ECZEMA, urine/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine

2430. Madsen KL: Et tilfaelde af gingivaretraktioner med heeling. Tandlaegebladet 77:824-6, Aug 73 (Dan) GINGIVA, injuries/ GINGIVAL DISEASES, drug therapy/ *GINGIVAL DISEASES, etiology/ HUMAN/ MALE/ MIDDLE AGE/ MOUTH MUCOSA, injuries/ PREDNISOLONE, TOPICAL, therapeutic use/ ROSANILINE DYES, therapeutic use/ *TOOTHBRUSHING

2431. Maeda R, Ishimaru T, Usa T, et al: [17 Alpha-hydroxylase deficiency]

Jap J Clin Med 31:2518-23, 10 Aug 73 (Jap) ADULT/ HERMAPHRODITISM, complications/ HUMAN/ MALE/ METABOLISM, INBORN ERRORS, complications/ *METABOLISM, INBORN ERRORS, metabolism/ *STEROID HYDROXYLASES, metabolism

2432. Maeda T, Kudo M, Shinozaki Y, et al: [Effect of a new intravenous steroid anesthetic agent, CT1341, on the thyroid function in man]

Jap J Anesthesiol 22:758-62, Aug 73 (Jap) ADOLESCENCE/ ADULT/ *ANESTHETICS, pharmacodynamics/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYSTERIODS, pharmacodynamics/ MALE/ MIDDLE AGE/ *PREGNANEDIONES, pharmacodynamics/ *THYROID GLAND, drug effects/ THYROID GLAND FUNCTION TESTS

2433. Mäenpää J: Nuorisolääketele.

Duodecim 89:707-9, 1973 (Fin) ADOLESCENCE/ ADOLESCENT PSYCHOLOGY/ *COMMUNITY HEALTH SERVICES/ HEALTH AND WELFARE PLANNING/ PHYSICIAN-PATIENT RELATIONS/ PUBERTY

2434. Maesaka JK, Levitt MF, Abramson RG: Effect of saline infusion on phosphate transport in intact and thyroparathyroidectomized rats.

Am J Physiol 225:1421-9, Dec 73 ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ INULIN, metabolism/ *KIDNEY TUBULES, PROXIMAL, physiology/ MALE/ *PARATHYROID GLANDS, physiology/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ PUNCTURES/ RATS/ SODIUM, metabolism/ *SODIUM CHLORIDE, pharmacodynamics/ WATER DEPRIVATION

2435. Maghuln-Rogister G, Combarous Y, Hennen G: The primary structure of the porcine luteinizing-hormone alpha-subunit. Eur J Biochem 39:255-63, 1 Nov 73

AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ GLYCOPOLYMERES, analysis/ *LH, analysis/ *PEPTIDE FRAGMENTS, analysis/ PROTEIN

AUTHOR SECTION

- CONFORMATION/ SPECIES SPECIFICITY/
SWINE/ TRYPSIN
2436. Maghlin-Rogister G, Hennen G: Luteinizing hormone. The primary structures of the beta-subunit from bovine and porcine species. Eur J Biochem 39:235-53, 1 Nov 73
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ *ARGININE/ CATTLE/ CHROMATOGRAPHY, ION EXCHANGE/ CYANOGEN BROMIDE/ ELECTROPHORESIS, PAPER/ GEL FILTRATION/ *GLUTAMATES/ *LH, analysis/ MACROMOLECULAR SYSTEMS/ *PEPTIDE FRAGMENTS, analysis/ PROTEIN CONFORMATION/ SPECIES SPECIFICITY/ SWINE/ TRYPSIN
2437. Magrill DS: Phytate inhibition of enamel hardening by mineralizing solutions. J Dent Res 52:1342, Nov-Dec 73
CALCIFICATION, PHYSIOLOGIC, drug effects/ *CARIOSTATIC AGENTS/ *DENTAL ENAMEL, drug effects/ HUMAN/ *PHOSPHATES, pharmacodynamics/ *TOOTH CALCIFICATION, drug effects
2438. Mahaffee D, Reitz RC, Ney RL: The mechanism of action of adrenocorticotrophic hormone. The role of mitochondrial cholesterol accumulation in the regulation of steroidogenesis. J Biol Chem 249:227-33, 10 Jan 74
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CHOLESTEROL, metabolism/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOSOL, metabolism/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ PITUITARY GLAND, physiology/ *PREGNENOLONE, biosynthesis/ RATS/ SUBCELLULAR FRACTIONS, drug effects/ SUBCELLULAR FRACTIONS, metabolism/ SWINE/ TIME FACTORS
2439. Mahon DF, Subramaniam G, McAfee JG: Experimental comparison of radioactive agents for studies of the placenta. J Nucl Med 14:651-9, Sep 73
BONE MARROW, metabolism/ CHROMIUM ISOTOPES, diagnostic use/ COBALT ISOTOPES, diagnostic use/ COMPARATIVE STUDY/ DYSPROSIUM, diagnostic use/ FETUS, metabolism/ GALLIUM, diagnostic use/ GOLD ISOTOPES, diagnostic use/ INDIUM, diagnostic use/ IRON ISOTOPES, diagnostic use/ KIDNEY, metabolism/ LIVER, metabolism/ MACACA/ MONKEYS/ MUSCLES, metabolism/ *PLACENTA/ PLACENTA, metabolism/ PREGNANCY/ RABBITS/ *RADIOISOTOPE SCANNING/ RADIOISOTOPES, diagnostic use/ SERUM ALBUMIN, RADIO-IODINATED, diagnostic use/ SODIUM ISOTOPES, diagnostic use/ SPLEN, metabolism/ TECHNETIUM, diagnostic use
2440. Mahon FB Jr, Malek GH, Uehling DT: Urinary tract infection after renal transplantation. Urology 1:579-81, Jun 73
ADOLESCENCE/ ADULT/ AMPICILLIN, therapeutic use/ AZATHIOPRINE, administration & dosage/ BACTERIURIA/ CADAVER/ FEMALE/ GLOMERULONEPHRITIS, complications/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, etiology/ KIDNEY, POLYCYSTIC, complications/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ PREDNISONE, administration & dosage/ PYELONEPHRITIS, complications/ RECURRENCE/ TETRACYCLINE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS/ URETERAL OBSTRUCTION, complications/
- URINARY CATHETERIZATION/ URINARY TRACT INFECTIONS, drug therapy/ *URINARY TRACT INFECTIONS, etiology
2441. Mahoney EH: Nutritional care of the stroke patient. Arch Phys Med Rehabil 54:569-70, Dec 73
CALCIUM, metabolism/ CEREBROVASCULAR DISORDERS, complications/ *CEREBROVASCULAR DISORDERS, rehabilitation/ DECUBITUS ULCER, prevention & control/ DIARRHEA, complications/ DIARRHEA, prevention & control/ HUMAN/ IMMOBILIZATION/ *NUTRITION/ PROTEINS, metabolism
2442. Maiello M, Fusi S, Borghi A: Un complesso quadro di patologia ipotalamica insorto dopo trauma cranico (amenorrea, galattorrea, anoressia-bulimia, ipotrofia muscolare, crisi reticolari. Folia Endocrinol (Roma) 26:435-8, Oct 73 (Ita)
ADULT/ *AMENORRHEA, etiology/ ANOREXIA NERVOSA, etiology/ *APPETITE DISORDERS, etiology/ ASTHENIA, etiology/ *BRAIN DISEASES, complications/ *BRAIN INJURIES, ACUTE, complications/ CACHEXIA, etiology/ FEMALE/ HUMAN/ *HYPOTHALAMUS/ *LACTATION DISORDERS, etiology/ *MUSCULAR DISEASES, etiology
2443. Maier JG, Sulak MH: Proceedings: Radiation therapy in malignant testis tumors. I: Seminoma; II: Carcinoma. Cancer 32:1212-6, Nov 73
*CARCINOMA, radiotherapy/ CARCINOMA, surgery/ COBALT RADIOISOTOPES/ COMPARATIVE STUDY/ *DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ FOLLOW-UP STUDIES/ HUMAN/ LYMPH NODE EXCISION/ MALE/ RADIOISOTOPE TELETERAPY/ RADIOOTHERAPY, HIGH ENERGY/ *TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery/ TIME FACTORS
2444. Maier JG, Sulak MH: Proceedings: Radiation therapy in malignant testis tumors. II: Carcinoma. Cancer 32:1217-26, Nov 73
*CARCINOMA, radiotherapy/ CARCINOMA, surgery/ FOLLOW-UP STUDIES/ HUMAN/ LIGATION/ LYMPH NODE EXCISION/ LYMPHATIC METASTASIS/ MALE/ RADIOOTHERAPY DOSAGE/ SPERMATIC CORD/ *TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery/ TIME FACTORS
2445. Mallat F, Miscalencu D: Evolution of supraoptical and paraventricular nuclei (SON and PVN) in white rats under the influence of large, constant thiamin doses. J Hirnforsch 14:233-6, 1973
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, growth & development/ *NEURONS, drug effects/ *NEUROSECRETION, drug effects/ RATS/ THIAMINE, administration & dosage/ *THIAMINE, pharmacodynamics
2446. Main IH, Whittle BJ: Proceedings: Effects of prostaglandin E2 on rat gastric mucosal blood flow, as determined by 14C-aniline clearance. Br J Pharmacol 44:331P-332P, Feb 72
*ANILINE COMPOUNDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, blood supply/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, metabolism/ GASTRIC MUCOSA, secretion/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ REGIONAL BLOOD FLOW, drug effects
2447. Main SJ, Waites GM: Proceedings: Studies on some effects of temperature on the blood-testis barrier in rats. J Reprod Fertil 35:587-8, Dec 73
ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ *BLOOD/ CHOLESTEROL, metabolism/ ESTRADIOL, metabolism/ *HEAT/ HYDROCORTISONE, metabolism/ LYSINE, metabolism/ MALE/ PROGESTATIONAL

AUTHOR SECTION

- HORMONES, metabolism/ RATS/ RUBIDIUM, metabolism/ SERUM ALBUMIN, RADIO-IODINATED, metabolism/ *TESTIS, metabolism
2448. **Maltra SK, Kumar S:** Physicochemical properties of bovine mammary fatty acid synthetase. *J Biol Chem* 249:1118-25, 10 Jan 74
ANIMAL EXPERIMENTS/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ COENZYME A/ COLD/ CROTONATES/ DIALYSIS/ DIFFUSION/ DITHIOTHREITOL/ DRUG STABILITY/ *FATTY ACID SYNTHETASE COMPLEX, metabolism/ FEMALE/ GEL FILTRATION/ LACTATION/ MACROMOLECULAR SYSTEMS/ *MAMMAE, enzymology/ MATHEMATICS/ MOLECULAR WEIGHT/ OXIDOREDUCTASES/ PROTEIN CONFORMATION/ SULFHYDRYL COMPOUNDS/ TEMPERATURE/ TIME FACTORS/ TROMETHAMINE/ ULTRACENTRIFUGATION/ VISCOSITY
2449. **Maltra SK, Kumar S:** Crotonyl coenzyme A reductase activity of bovine mammary fatty acid synthetase. *J Biol Chem* 249:111-7, 10 Jan 74
ACETYL COENZYME A/ ALUMINUM/ ANIMAL EXPERIMENTS/ BUTYRATES/ CARBON RADIOISOTOPES/ CATTLE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COENZYME A/ CROTONATES/ DITHIOTHREITOL, pharmacodynamics/ *FATTY ACID SYNTHETASE COMPLEX, isolation & purification/ FEMALE/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LACTATION/ *MAMMAE, enzymology/ MERCAPTOETHANOL/ NADP/ *OXIDOREDUCTASES, isolation & purification/ OXIDOREDUCTASES, metabolism/ PROTEIN BINDING/ TEMPERATURE/ TIME FACTORS
2450. **Maj J, Baran L, Grabowska M, et al:** Effect of clonidine on the 5-hydroxytryptamine and 5-hydroxyindoleacetic acid brain levels. *Biochem Pharmacol* 22:2679-83, 1 Nov 73
ANIMAL EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ BRAIN CHEMISTRY, drug effects/ CARBOXY-LYASES, antagonists & inhibitors/ *CLONIDINE, pharmacodynamics/ DOPA, pharmacodynamics/ DRUG INTERACTIONS/ *HYDROXYINDOLEACETIC ACID, analysis/ MALE/ MICE/ ORGAN WEIGHT/ RATS/ *SEROTONIN, analysis/ SERYLTRIHYDROXY BENZYLHYDRAZINE, pharmacodynamics/ TIME FACTORS
2451. **Major JS, Heald PJ:** The effects of ICI 46,474 on ovum transport and implantation in the rat. *J Reprod Fertil* 36:117-24, Jan 74
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CELL DIVISION/ CELL MOVEMENT, drug effects/ *CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ DIMETHYLAMINES, pharmacodynamics/ ENVIRONMENT, CONTROLLED/ FEMALE/ *NIDATION, drug effects/ ORGAN WEIGHT/ OVARY/ *OVUM, drug effects/ PHENYL ETHERS, pharmacodynamics/ PITUITARY GLAND/ PREGNANCY/ RATS/ *STILBENES, pharmacodynamics/ UTERUS, analysis/ WATER, analysis
2452. **Majumdar SK:** Editorial: Steroid induced peptic ulcer. *J Indian Med Assoc* 60:471, 16 Jun 73
*ADRENAL CORTEX HORMONES, adverse effects/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ GASTRIC MUCIN, secretion/ GUINEA PIGS/ HISTAMINASE, metabolism/ HUMAN/ LIVER, enzymology/ PREDNISOLONE, pharmacodynamics/ *STOMACH ULCER, chemically induced
2453. **Makarchenko OF:** Rol' hipotalamusa v rehulatsii vebetativnykh i korykovykh funktsii. *Fiziol Zh* 19:579-85, Sep-Oct 73 (Ukr)
*CEREBRAL CORTEX, physiology/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ *HYPOTHALAMUS, physiology/ NEUROSECRETORY SYSTEMS, physiology
2454. **Makarenko GN:** Mekhanizm formirovaniia mul'tiplikatsii vyzvannogo potentsiala kory na svetovoi razdrzhitel. *Dokl Akad Nauk SSSR* 213:492-5, 11 Nov 73 (Rus)
ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, physiology/ COLD/ *EVOKED POTENTIALS/ EVOKED POTENTIALS, drug effects/ GENICULATE BODIES, physiology/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ OCCIPITAL LOBE, physiology/ PHOTIC STIMULATION/ POTASSIUM CHLORIDE, pharmacodynamics/ RABBITS/ RETICULAR FORMATION, physiology/ STRYCHNINE, pharmacodynamics/ TEMPORAL LOBE, physiology/ THALAMUS, physiology/ VISUAL CORTEX, physiology
2455. **Makino T, Inatomi K, Yoshida T, et al:** [Radioimmunoassay of sex steroid hormones. 4. Radioimmunoassay of testosterone] *Clin Endocrinol (Tokyo)* 21:867-73, Aug 73 (Jap)
HUMAN/ MALE/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ *TESTOSTERONE, blood
2456. **Makino T, Kambegawa A:** [Radioimmunoassay of plasma cortisol] *Folia Endocrinol Jap* 49:1297-305, Oct 73 (Jap)
CHROMATOGRAPHY/ COMPARATIVE STUDY/ CROSS REACTIONS/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY/ TRITIUM
2457. **Makino T, Kambegawa A, Yoshida T, et al:** [A simplified radioimmunoassay for the measurement of plasma estriol in pregnant women (author's transl)] *Jap J Clin Pathol* 21:858-62, Oct 73 (Jap)
*ESTRIOL, blood/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY/ RADIOIMMUNOASSAY
2458. **Makino T, Takahashi M, Yoshinaga K, et al:** Ovulation blockade in rats by rabbit anti-luteinizing hormone releasing factor serum. *Contraception* 8:133-45, Aug 73
ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CROSS REACTIONS/ DEPRESSION, CHEMICAL/ ESTRUS/ FEMALE/ FREEZE DRYING/ IMMUNE SERUMS, pharmacodynamics/ IMMUNIZATION, SECONDARY/ IODINE RADIOISOTOPES/ LH-FSH RELEASING HORMONE, antagonists & inhibitors/ ORGAN WEIGHT/ OVARY, drug effects/ OVULATION, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY HORMONES/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS/ SERUM ALBUMIN, BOVINE/ SPECIAL LIST REPRODUCTION/ TIME FACTORS/ UTERUS, drug effects
2459. **Makinose M:** Possible functional states of the enzyme of the sarcoplasmic calcium pump. *FEBS Lett* 37:140-3, 1 Dec 73
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ KINETICS/ MUSCLES, cytology/ MUSCLES, enzymology/ *PERMEASES, metabolism/ PHOSPHATES, metabolism/ PROTEIN BINDING/ SARCOPLASMIC RETICULUM, drug effects/ *SARCOPLASMIC RETICULUM, enzymology/ TIME FACTORS
2460. **Makris A, Gershoff SH:** Growth hormone levels in vitamin B6-deficient rats. *Horm Metab Res* 5:457-61, Nov 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ DIET/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, drug effects/ MALE/ MONKEYS/ PENTOBARBITAL, pharmacodynamics/

AUTHOR SECTION

- PITUITARY GLAND, analysis/ *PYRIDOXINE DEFICIENCY, blood/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, analysis/ *SOMATOTROPIN, blood/ TIME FACTORS
2461. Malamos B, Koutras DA: Epidemiology of endemic goitre in Greece.
Acta Endocrinol [Suppl] (Kbb) 15, 1973
ADOLESCENCE/ AGE FACTORS/ CALCIUM CARBONATE, analysis/ DISEASES IN TWINS/ ESCHERICHIA COLI, isolation & purification/ FEMALE/ GOITER, ENDEMIC, familial & genetic/ *GOITER, ENDEMIC, occurrence/ GREECE/ HUMAN/ IODINE, analysis/ MAGNESIUM, analysis/ MALE/ SEX FACTORS/ SOIL, analysis/ WATER POLLUTION/ WATER SUPPLY
2462. Maleev A, Stojanov S: Unsere Erfahrungen bei der Behandlung der chronisch aggressiven Hepatitis mit Immunsuppressiva.
Z Gesamte Inn Med 28:Suppl:307-9, 15 Oct 73 (Ger)
ADULT/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOID, therapeutic use/ *HEPATITIS, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LIVER CIRRHOSIS, OBSTRUCTIVE, drug therapy/ MALE/ MERCAPTOPYRINE, administration & dosage/ MERCAPTOPYRINE, therapeutic use/ MIDDLE AGE/ TIME FACTORS
2463. Malhotra N, Nayar U, Singh B, et al: Study of the distribution of adrenergic mechanisms in the hypothalamic feeding centres.
Indian J Med Res 61:1212-21, Aug 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ *EPINEPHRINE, pharmacodynamics/ FEEDING BEHAVIOR, drug effects/ *HYPOTHALAMUS, drug effects/ MALE/ RATS/ STEREOTAXIC TECHNIQUES/ STIMULATION, CHEMICAL
2464. Malinowska KW, Nathanielsz PW: The assay of corticosterone, aldosterone, cortisone and cortisol in single plasma samples obtained from foetal and neonatal animals.
J Physiol (Lond) 233:20P-22P, Aug 73
ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ CATTLE/ CORTICOSTERONE, blood/ CORTISONE, blood/ FETUS, analysis/ GUINEA PIGS/ HYDROCORTISONE, blood/ PREGNANCY/ RABBITS/ *RADIOIMMUNOASSAY
2465. Malinowska KW, Nathanielsz PW: Proceedings: Plasma aldosterone concentration in the newborn guinea-pig.
J Endocrinol 59:xxxii, Nov 73
*ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ CORTISONE, blood/ GUINEA PIGS/ RADIOIMMUNOASSAY
2466. Mallampati RS, Johnson DC: Serum and pituitary luteinizing hormone, follicle-stimulating hormone and prolactin levels in gonadectomized male, female and androgenized female rats treated with oestradiol benzoate.
J Endocrinol 59:209-16, Nov 73
ANIMAL EXPERIMENTS/ *CASTRATION/ ENVIRONMENT, CONTROLLED/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *FSH, analysis/ *LH, analysis/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ PREMEDICATION/ *PROLACTIN, analysis/ RADIOIMMUNOASSAY/ RATS/ TESTOSTERONE, pharmacodynamics
2467. Malofiejew M: Kallikrein-like activity in human myometrium, placenta and amniotic fluid.
Biochem Pharmacol 22:123-7, 1 Jan 73
*AMNIOTIC FLUID, enzymology/ CHYMOTRYPSIN, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HUMAN/ ILEUM, drug effects/ IN VITRO/ *KALLIKREIN, metabolism/ KALLIKREIN, pharmacodynamics/ KININS, biosynthesis/ KININS, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *PLACENTA, enzymology/ TISSUE EXTRACTS, metabolism/ TISSUE EXTRACTS, pharmacodynamics/ *UTERUS, enzymology
2468. Mal'tseva MM: Opredelenie titana i torlia v kostnoi tkani. Gig Sanit 38:89-91, Jul 73 (Rus)
*BONE AND BONES, analysis/ COLORIMETRY/ HUMAN/ *THORIUM, analysis/ *TITANIUM, analysis
2469. Malukiewicz W, Budzbon J, Goszczyński W: Zespół pustego siodła po usunięciu naskórza okolice nadśrodkowej.
Neurol Neurochir Pol 7:745-8, Sep-Oct 73 (Pol)
*CRANIOPHARYNGIOMA, surgery/ *EPIDERMAL CYST, surgery/ FEMALE/ HEMIANOPSIA, diagnosis/ HUMAN/ MIDDLE AGE/ NYSTAGMUS, diagnosis/ OPTIC CHIASM, blood supply/ *PITUITARY DISEASES/ PITUITARY GLAND, abnormalities/ POSTOPERATIVE COMPLICATIONS/ PSYCHOSES, ORGANIC, diagnosis/ REMISSION/ *SELLA TURCICA/ SYNDROME/ VISUAL FIELDS
2470. Malvaux P, Beckers C: Serum thyrotrophin response to thyrotrophin-releasing hormone in normal children and in patients with short stature and various endocrine or genetic diseases.
Clin Endocrinol (Oxf) 2:219-25, Jul 73
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *ENDOCRINE DISEASES, physiology/ *GROWTH DISORDERS, physiology/ *HEREDITARY DISEASES, physiology/ HUMAN/ HYPOTHYROIDISM, physiology/ PITUITARY GLAND, physiology/ *PITUITARY GLAND, secretion/ THYROID DISEASES, physiology/ THYROTROPIN, blood/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ TURNER'S SYNDROME, physiology
2471. Malven PV, Porteus SE, Featherston WR: Increased serum prolactin induced in hypophysectomized rats bearing ectopic pituitaries.
Proc Soc Exp Biol Med 144:956-9, Dec 73
ANESTHESIA/ ANIMAL EXPERIMENTS/ ETHYL ETHERS/ FEMALE/ HYPOPHYSECTOMY/ IODINE RADIOISOTOPES/ KIDNEY/ PENTOBARBITAL/ PITUITARY GLAND, physiology/ *PITUITARY GLAND, transplantation/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ RATS/ URETHANE
2472. Málýusz M: O₂ consumption and K⁺-Na⁺ balance of elasmobranch kidney slices after replacement of urea by thiourea or acetamide.
Comp Biochem Physiol [A] 47:271-5, Jan 74
*ACETAMIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WATER, metabolism/ DEPRESSION, CHEMICAL/ IN VITRO/ KIDNEY, drug effects/ *KIDNEY, metabolism/ *OXYGEN CONSUMPTION, drug effects/ *POTASSIUM, metabolism/ *SHARKS, metabolism/ *SODIUM, metabolism/ STIMULATION, CHEMICAL/ *THIOUREA, pharmacodynamics/ UREA, pharmacodynamics
2473. Mampel E, Peters J, Burchardt U, et al: Enzymdiagnostik erworbener Nephropathien.
Z Gesamte Inn Med 28:Suppl:282-5, 15 Sep 73 (Ger)
ALKALINE PHOSPHATASE, blood/ BONE AND BONES, enzymology/ ENGLISH ABSTRACT/ ENZYME TESTS/ ENZYMES, urine/ FEMALE/ HUMAN/ ISOENZYMES, blood/ *KIDNEY DISEASES, diagnosis/ KIDNEY FAILURE, CHRONIC, diagnosis/ MALE/ MUSHROOM POISONING, diagnosis
2474. Mangan FR, Mainwaring WI: Proceedings: The role of cyclic AMP in the action of androgens on rat ventral prostate gland.
J Endocrinol 59:xvi-xvii, Nov 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/

AUTHOR SECTION

- *ANDROGENS, pharmacodynamics/ ANIMAL EXPERIMENTS/ CASTRATION/ DRUG INTERACTIONS/ MALE/ *PROSTATE, drug effects/ RATS/ TESTOSTERONE, pharmacodynamics/ TRITUM
2475. Manku MS, Mugambi M: Prolactin and electrolyte balance. *East Afr Med J* 50:366-9, Jul 73
ALDOSTERONE, physiology/ ANIMAL EXPERIMENTS/ HEART FAILURE, CONGESTIVE, etiology/ HUMAN/
*PROLACTIN, physiology/
*WATER-ELECTROLYTE BALANCE
2476. Manku MS, Nassar BA, Horrobin DF: Frusemide as inhibitor of prolactin action. *Lancet* 2:1261-2, 1 Dec 73
ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, drug therapy/ DRUG INTERACTIONS/ FEMALE/ *FUROSEMIDE, pharmacodynamics/ FUROSEMIDE, therapeutic use/ KIDNEY DISEASES, drug therapy/ LACTATION, drug effects/ MESENTERIC ARTERIES, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PREGNANCY/
*PROLACTIN, antagonists & inhibitors/
PROLACTIN, physiology/ PROSTATIC NEOPLASMS, drug therapy/ RATS
2477. Mann RA: Tarsal tunnel syndrome. *Orthop Clin North Am* 5:109-15, Jan 74
ADHESIONS/ ADOLESCENCE/ ADULT/ AGED/ ELECTROMYOGRAPHY/ FEMALE/ FOOT, anatomy & histology/ FOOT, injuries/ FOOT, innervation/ HUMAN/
HYDROCORTISONE, therapeutic use/ MALE/ MIDDLE AGE/ NEURAL CONDUCTION/ OCCLUSIVE DRESSINGS/ PAIN, etiology/ POSTOPERATIVE COMPLICATIONS/
*TARSAL TUNNEL SYNDROME/ TARSAL TUNNEL SYNDROME, complications/ TARSAL TUNNEL SYNDROME, diagnosis/ TARSAL TUNNEL SYNDROME, etiology/ TARSAL TUNNEL SYNDROME, surgery/ TIBIAL NERVE, surgery
2478. Manning PJ, Corwin LA Jr, Middleton CC: Familial hyperlipoproteinemia and thyroid dysfunction of beagles. *Exp Mol Pathol* 19:378-88, Dec 73
AGING/ ANIMAL EXPERIMENTS/ CHOLESTEROL, blood/ DOGS/ ELECTROPHORESIS/ GLUCOSE TOLERANCE TEST/ GLYCERIDES, blood/ HUMAN/ HYPERLIPEMIA, ESSENTIAL FAMILIAL, blood/ HYPERLIPEMIA, ESSENTIAL FAMILIAL, complications/ HYPERLIPEMIA, ESSENTIAL FAMILIAL, metabolism/
*HYPERLIPEMIA, ESSENTIAL FAMILIAL, veterinary/ HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, metabolism/
*HYPOTHYROIDISM, veterinary/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ PEDIGREE/ PHOSPHOLIPIDS, blood/ POLYSACCHARIDES/ PROTEIN BINDING/ SPECTROPHOTOMETRY/ THYROXINE, blood
2479. Männistö PT, Leppäluoto J, Virkkunen P: Complex antithyroid properties of the lithium ion. A study in rats. *Acta Endocrinol (Kbh)* 74:492-500, Nov 73
ANIMAL EXPERIMENTS/ CARBIMAZOLE, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ DIODOTYROSINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, PAPER/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ IODOTYROSINE, metabolism/ LITHIUM, administration & dosage/ LITHIUM, blood/ *LITHIUM, pharmacodynamics/ MALE/ RADIOIMMUNOASSAY/ RATS/ RUBIDIUM, pharmacodynamics/ STRESS/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROTROPIN, blood/ *THYROXINE, metabolism/
*TRIIODOTHYRONINE, metabolism
2480. Manosevitz M, Joel U: Behavioral effects of environmental enrichment in randomly bred mice. *J Comp Physiol Psychol* 85:373-82, Nov 73
- ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ *BEHAVIOR, ANIMAL/ BODY WEIGHT/ EMOTIONS/ *ENVIRONMENT/ *EXPLORATORY BEHAVIOR/ FEMALE/ GENETICS, BEHAVIORAL/ GENOTYPE/ MALE/ MICE/ *MOTOR ACTIVITY/ ORGAN WEIGHT/ SEX FACTORS
2481. Mansour TE: Phosphofructokinase. *Curr Top Cell Regul* 5:1-46, 1972 (143 ref.)
ADENOSINE TRIPHOSPHATE/ ALLOSTERIC REGULATION/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CITRATES/ ENZYME ACTIVATION/ EPINEPHRINE, pharmacodynamics/ FASCIOLA HEPATICA, enzymology/ GLYCOLYSIS/ HEART, drug effects/ HYDROGEN-ION CONCENTRATION/ KINETICS/ LIGANDS/ MATHEMATICS/ MOLECULAR WEIGHT/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PHOSPHOFRUCTOKINASE, analysis/ *PHOSPHOFRUCTOKINASE, metabolism/ PROTEIN BINDING/ REVIEW/ SEROTONIN, pharmacodynamics/ SPECIES SPECIFICITY/ SULFHYDRYL COMPOUNDS/ ULTRACENTRIFUGATION
2482. Mantzos JD, Chiotaki L, Levis GM: Biosynthesis and composition of brain galactolipids in normal and hypothyroid rats. *J Neurochem* 21:1207-13, Nov 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CARBON RADIOISOTOPES/ CEREBROSIDES, analysis/ CEREBROSIDES, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ FATTY ACIDS, analysis/ *GALACTOSE, biosynthesis/ GALACTOSE, metabolism/ *GLYCOLIPIDS, biosynthesis/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, metabolism/ LIPIDS, biosynthesis/ METHIMAZOLE/ ORGAN WEIGHT/ RATS/ SPHINGOMYELINS, analysis/ SULFATIDES, analysis/ SULFATIDES, biosynthesis/ URIDINE DIPHOSPHATE SUGARS, metabolism
2483. Manuilov IA, Oriova VG, Dzhuraeva MK: Soderzhanie éstrogenov, atsetilkholina i kholinésteraz v krvi pri slabosti rodovoi delatel'nosti. *Akush Ginekol (Mosk)* 49:16-9, Jun 73 (Rus)
*ACETYLCHOLINE, blood/
*CHOLINESTERASE, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *ESTROGENS, blood/ FEMALE/ HUMAN/ OXYTOCIN, therapeutic use/ PREGNANCY/ *UTERINE INERTIA, blood/ UTERINE INERTIA, drug therapy
2484. Manuilova IA: Postkastratsionnyi sindrom. *Akush Ginekol (Mosk)* 49:54-7, Jun 73 (Rus)
ADULT/ BALNEOLOGY/ BRAIN, physiopathology/ *CASTRATION, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ NEUROSES, etiology/ PERSONALITY/ PHYSICAL THERAPY/ PROCAINE, therapeutic use/ PSYCHOPHYSIOLOGY/ SYNDROME/ VITAMINS, therapeutic use
2485. Manuilova IA, Pshenichnikova Tia, Zai'tsman IN, et al: O primenenií sinteticheskikh progestinov pri diffuznoi fibrozno-kistoznoi mastopatii. *Sov Med* 35:30-4, Dec 72 (Rus)
*BREAST DISEASES, drug therapy/ BREAST DISEASES, radiography/ *CYSTS, drug therapy/ CYSTS, radiography/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ MESTRANOL, therapeutic use/ NORETHINDRONE, therapeutic use/ NORETHYNODREL, therapeutic use/ NORGESTREL, therapeutic use/
*PREGESTATIONAL HORMONES, therapeutic use/ SYNDROME/ TIME FACTORS
2486. Manukhin BN, Buznikov GA, Rakić L, et al: O svyazvanií biogennykh monoaminov iafsekletkami morskikh ezbei.

AUTHOR SECTION

- Zh Evol Biokhim Fiziol 9:202-4, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *BIOGENIC
AMINES, metabolism/ COCAINE,
pharmacodynamics/ ENGLISH ABSTRACT/
EPINEPHRINE, metabolism/ IMIPRAMINE,
pharmacodynamics/ NOREPINEPHRINE,
metabolism/ OVUM, drug effects/ *OVUM,
metabolism/ RESERPINE, pharmacodynamics/
*SEA URCHINS, embryology/ SEROTONIN,
metabolism
2487. Maor D, Eylan E, Alexander P: The hormonal control of
ribonuclease activity in the lymphatic tissue of mice.
Acta Endocrinol (Kbh) 74:201-8, Sep 73
ANIMAL EXPERIMENTS/ CATTLE/
*CORTISONE, pharmacodynamics/ DRUG
SYNERGISM/ *INSULIN, pharmacodynamics/
LYMPH NODES, drug effects/ *LYMPH
NODES, enzymology/ MALE/ MICE/ ORGAN
WEIGHT/ *RIBONUCLEASE, metabolism/
*SOMATOTROPIN, pharmacodynamics/
SPLEEN, anatomy & histology/ SPLEEN, drug
effects/ STIMULATION, CHEMICAL/
*THEOPHYLLINE, pharmacodynamics/
THYMUS GLAND, anatomy & histology/
THYMUS GLAND, drug effects/ *THYMUS
GLAND, enzymology/ TIME FACTORS
2488. Maquignay C: Traitement hormonal du cancer de la
prostate. Rev Med Liege 28:667-71, Oct 73 (Fre)
ADRENALECTOMY/ CASTRATION/
*ESTROGENS, therapeutic use/ HUMAN/
HYPOPHYSECTOMY/ MALE/ *PROSTATIC
NEOPLASMS, drug therapy/ PROSTATIC
NEOPLASMS, radiotherapy/ PROSTATIC
NEOPLASMS, surgery
2489. Marañón A, Moreno L, Romero H, et al: Anemia e
hipotiroidismo. Estudios de ferrocinética.
Rev Iber Endocrinol 20:389-603, Nov-Dec 73 (Spa)
ADULT/ *ANEMIA, etiology/ ANEMIA,
PERNICIOUS, etiology/ ANEMIA,
PERNICIOUS, metabolism/ BASAL
METABOLISM/ CHOLESTEROL, blood/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*HYPOTHYROIDISM, complications/
HYPOTHYROIDISM, metabolism/
HYPOTHYROIDISM, physiopathology/ IRON,
blood/ *IRON, metabolism/ IRON
RADIOISOTOPES/ KINETICS/ MALE/
MIDDLE AGE/ PROTEIN-BOUND IODINE
TEST/ THYROID GLAND, physiology
2490. Marberger E, Marberger H, Marberger M: Die
Einwirkung von Hitze und Radioaktivität im
Böcksteinstollen auf das Reproduktionssystem der
männlichen ratte.
Andrologie 5:139-46, 1973 (Ger)
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
AUSTRIA/ BODY TEMPERATURE
REGULATION/ *COSMIC RADIATION/
ENGLISH ABSTRACT/ HUMIDITY/ LEYDIG
CELLS, radiation effects/ MALE/ ORGAN
WEIGHT/ *RADIATION EFFECTS/ RATS/
SEMINAL VESICLES, radiation effects/
SPERMATOGENESIS, radiation effects/
*TEMPERATURE/ TESTIS, anatomy &
histology/ TESTIS, cytology/ TESTIS,
physiology/ *TESTIS, radiation effects
2491. Marcel GA, Habib R, Caspar C, et al: Corticosteroid
enhancement of renal vascular lesions due to
endotoxin in rabbits.
Pathol Biol (Paris) 21:Suppl:19-23, Nov 73
ANIMAL EXPERIMENTS/ CAPILLARIES/
DRUG SYNERGISM/ ENDOTOXINS/
*HYDROCORTISONE, pharmacodynamics/
KIDNEY, pathology/ *KIDNEY GLOMERULUS/
RABBITS/ *SHOCK, ENDOTOXIC, etiology/
SHOCK, ENDOTOXIC, pathology/
*SHWARTZMAN PHENOMENON/
*THROMBOSIS, etiology
2492. Marchenko ZM: K voprosu ob otechnom syndrome u
nedonosennykh detei (obzor literatury).
Vopr Okhr Materin Det 18:63-6, Jan 73 (Rus)
BIRTH WEIGHT/ BODY FLUIDS, metabolism/
*EDEMA, etiology/ EDEMA, therapy/
ESTROGENS, physiology/ HUMAN/
HYPOPROTEINEMIA, metabolism/ INFANT,
NEWBORN/ *INFANT, PREMATURE,
DISEASES, etiology/ INFANT, PREMATURE,
DISEASES, therapy/ REVIEW/ SCLEREMA
NEONATORUM, etiology/ SCLEREMA
NEONATORUM, therapy/ SYNDROME/
VASOPRESSIN, physiology/
WATER-ELECTROLYTE BALANCE
2493. Marchlewska-Koj A, Zielińska L: Reaction of C57 and
CBA inbred strains of mice to gonadotrophins.
Folia Biol (Krakow) 21:243-50, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ FEMALE/ *GONADOTROPINS,
PITUITARY, pharmacodynamics/ MICE/ MICE,
INBRED CBA/ MICE, INBRED STRAINS/
*OVARY, drug effects/ *UTERUS, drug
effects
2494. Marcial VA: Proceedings: Radiation therapy of
gynecological cancer.
Proc Natl Cancer Conf 7:243-9, 1973
ADENOCARCINOMA, radiotherapy/ CERVIX
NEOPLASMS, radiotherapy/ COBALT
RADIOISOTOPES/ FEMALE/ *GYNECOLOGIC
NEOPLASMS, radiotherapy/ HUMAN/
OVARIAN NEOPLASMS, radiotherapy/
PROGNOSIS/ PUERTO RICO/ RADIOISOTOPE
TELETERAPY/ RADIOTHERAPY DOSAGE/
UTERINE NEOPLASMS, radiotherapy/
UTERINE NEOPLASMS, surgery/ VAGINAL
NEOPLASMS, radiotherapy
2495. Marcucci F, Mussini E, Alroldi L, et al: Diazepam
metabolism and anticonvulsant activity in newborn
animals. Biochem Pharmacol 22:3051-9, 1 Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANTICONVULSANTS, metabolism/ APPETITE,
drug effects/ *APPETITE DEPRESSANTS,
pharmacodynamics/ BRAIN, metabolism/
CHLORINE, pharmacodynamics/
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ DEALKYLATION/ *DIAZEPAM,
metabolism/ DOPAMINE, metabolism/ GUINEA
PIGS/ IN VITRO/ MALE/ NOREPINEPHRINE,
metabolism/ PENTYLENETETRAZOLE,
metabolism/ RATS/ SEROTONIN, metabolism
2496. Marcy JH, Hiles DA: Anesthesia for pediatric
ophthalmic operations.
Int Ophthalmol Clin 13:99-137, Summer 73 (37 ref.)
ADOLESCENCE/ AMBULATORY CARE/
*ANESTHESIA, instrumentation/ ATROPINE/
BARBITURATES/ BRAIN DISEASES,
complications/ CHILD/ CHILD, PRESCHOOL/
CHOLINESTERASE, blood/ DIABETES
MELLITUS, JUVENILE, complications/ *EYE,
surgery/ *EYE DISEASES, surgery/ FEVER,
complications/ HALOTHANE/ HEART
DISEASES, complications/ HUMAN/ INFANT/
INFANT, NEWBORN/ INTRAOCULAR
PRESSURE/ INTUBATION, INTRATRACHEAL,
adverse effects/ KETAMINE/ MEDICAL
HISTORY TAKING/ MORPHINE/
PREANESTHETIC MEDICATION/
PREOPERATIVE CARE/ REVIEW/
SCOPOLAMINE/ STEROIDS, therapeutic use/
SUCCINYLCHOLINE
2497. Marek J, Pfeifer U, Motlik K: Ultrastructure of the
protein containing vacuoles and byaline droplets in
rat adrenocortical cells following polybrene.
Virchows Arch [Zellpathol] 14:273-83, 7 Dec 73
ACID PHOSPHATASE, analysis/ ADRENAL
GLANDS, blood supply/ *ADRENAL GLANDS,
drug effects/ ADRENAL GLANDS,
enzymology/ ADRENAL GLANDS, pathology/
ANIMAL EXPERIMENTS/ CELL MEMBRANE
PERMEABILITY, drug effects/ CELLULAR
INCLUSIONS/ DIMETHYLAMINES,
pharmacodynamics/ FEMALE/
HISTOCYTOCHEMISTRY/ ISCHEMIA/
LYSOSOMES/ MICROSCOPY, ELECTRON/
NECROSIS/ *POLYAMINES,
pharmacodynamics/ POLYMERS,
pharmacodynamics/ RATS
2498. Markkanen T, Himanen P, Pajula RL, et al: Binding of
follicle acid to serum proteins. II. The effect of
diphenylhydantoin treatment and of various diseases.
Acta Haematol (Basel) 50:284-92, 1973

AUTHOR SECTION

- ADOLESCENCE/ ADULT/ AGED/ *BLOOD PROTEINS, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ DEXTRAN/
*DIPHENYLHYDANTOIN, therapeutic use/
*EPILEPSY, drug therapy/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *FOLIC ACID, metabolism/ HEPATITIS, INFECTIOUS, drug therapy/ HUMAN/ HYPERTHYROIDISM, drug therapy/ MACROGLOBULINS, metabolism/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, drug therapy/ PROTEIN BINDING, drug effects/ TRANSFERRIN, metabolism
2499. Markov M: Podkožna eksteriorizatsija na lačnka sus zapazvane na negovoto khranene (predvarimelno suobshenle.
Akush Ginekolog (Sofia) 12:321-4, 1973 (Bul)
ADULT/ CERVIX NEOPLASMS, radiotherapy/
*CERVIX NEOPLASMS, surgery/ ENGLISH ABSTRACT/ MIDDLE AGE/ OVARY, physiology/ OVARY, secretion/ *OVARY, transplantation
2500. Markovski N: Nasha skhem za funktsionalno natovarvane s khlpofiznl gonadotropini kato diagnostichno sredstvo v ginekologichnata endokrinologija.
Akush Ginekolog (Sofia) 12:316-21, 1973 (Bul)
*AMENORRHEA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, PITUITARY, diagnostic use/ HUMAN/ *TURNER'S SYNDROME, diagnosis
2501. Markovski N: Metroragichni formi na Stein-Leventhal syndrom.
Akush Ginekolog (Sofia) 12:104-9, 1973 (Bul)
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*METRORRHAGIA, etiology/ METRORRHAGIA, surgery/ OVARY, surgery/
*STEIN-LEVENTHAL SYNDROME, complications/ STEIN-LEVENTHAL SYNDROME, surgery
2502. Marks E: Badania histologiczno-histochemiczne nad wplywem wibracji na uklad neurosekrecyjny mozgu.
Endokrynol Pol 24:291-300, Jul-Aug 73 (Pol)
ANIMAL EXPERIMENTS/ *BRAIN, pathology/ ENGLISH ABSTRACT/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ MALE/ NEUROSECRETION/ *NEUROSECRETORY SYSTEMS, pathology/ RATS/ TIME FACTORS/ *VIBRATION, adverse effects
2503. Marks JH, Garrett RT: Topical corticosteroids: a comparison in the treatment of eczema and psoriasis in general practice. J R Coll Gen Pract 23:225-7, Mar 73
ADULT/ *BETAMETHASONE, administration & dosage/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *ECZEMA, drug therapy/ FEMALE/ FORMIC ACIDS, administration & dosage/ GENERAL PRACTICE/ *GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ HYDROXYCORTICOSTEROIDS, administration & dosage/ KETOSTEROIDS, administration & dosage/ MALE/ OINTMENTS/ *PREGNADIENES, administration & dosage/ *PSORIASIS, drug therapy/ TIME FACTORS
2504. Marro JM, Alberto Rovere A: Interacción pH-Ca en el efecto de la adrenalina sobre la fuerza desarrollada por la aurícula de rata.
Acta Physiol Lat Am 23:299-304, Apr 73 (Spa)
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ ELECTRIC STIMULATION/ *EPINEPHRINE, pharmacodynamics/ *HEART ATRIUM, drug effects/ HEART ATRIUM, metabolism/ *HYDROGEN-ION CONCENTRATION/ PAPILLARY MUSCLES, drug effects/ RATS/ SARCOPLASMIC RETICULUM
2505. Marsden CD, Reynolds EH, Parsons V, et al: Myopathy associated with anticonvulsant osteomalacia.
Br Med J 4:526-7, 1 Dec 73
ADULT/ *ANTICONVULSANTS, adverse effects/ *BACKACHE, etiology/ DEPRESSION/ DIPHENYLHYDANTOIN, adverse effects/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ ERGOCALCIFEROL, therapeutic use/ FEMALE/ FOLIC ACID, therapeutic use/ HEMOGLOBIN/ HUMAN/ INTELLIGENCE/ MICROSCOPY, ELECTRON/ *MUSCULAR DISEASES, chemically induced/ *OSTEOMALACIA, complications/ PARALYSIS, chemically induced/ PHENOBARBITAL, adverse effects/ SULTHIAME, adverse effects/ VITAMIN D, therapeutic use
2506. Marsden P, Day JL: Hyperparathyroidism: the risk of recurrence. Clin Endocrinol (Oxf) 2:9-13, Jan 73
FOLLOW-UP STUDIES/ HUMAN/
*HYPERPARATHYROIDISM/
HYPERPARATHYROIDISM, complications/
HYPERPARATHYROIDISM, familial & genetic/
HYPERPARATHYROIDISM, surgery/
PROGNOSIS/ RECURRENCE
2507. Marsh JM, LeMaire WJ: Cyclic AMP accumulation and steroidogenesis in the human corpus luteum: effect of gonadotropins and prostaglandins.
J Clin Endocrinol Metab 38:99-106, Jan 74
ADENINE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/
ADENYL CYCLASE, metabolism/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/ CORPUS LUTEUM, enzymology/ *CORPUS LUTEUM, metabolism/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IN VITRO/ *LH, pharmacodynamics/
MENSTRUATION/ PHOSPHODIESTERASES, metabolism/ PREGNANCY/ *PREGNENOLONE, biosynthesis/ *PROGESTERONE, biosynthesis/
*PROTAGLANDINS, pharmacodynamics/
TRITIUM
2508. Marshall BE: Editorial views: Non-respiratory functions of the lung. Anesthesiology 39:573-4, Dec 73
ALDOSTERONE, blood/ CORTICOTROPIN, blood/ ENDOTHELIUM, enzymology/
EPINEPHRINE, blood/ LUNG, enzymology/
*LUNG, physiology/ MICROSCOPY, ELECTRON/ NOREPINEPHRINE, blood/
*PULMONARY CIRCULATION/
VASOCONSTRICTOR AGENTS, blood
2509. Marshall BR: Letter: Postmenopausal vaginal bleeding during estrogen therapy. JAMA 227:76-7, 7 Jan 74
BIOPSY/ ENDOMETRIUM, pathology/
*ESTROGENS, adverse effects/ FEMALE/
HUMAN/ *MENOPAUSE/ *UTERINE HEMORRHAGE, chemically induced
2510. Marshall JC, Morris R, Court J, et al: Proceedings: Absent positive feedback of oestrogens: a cause of amenorrhoea in hypothalamic-pituitary disease.
J Endocrinol 59:xxiv, Nov 73
*AMENORRHEA, etiology/ CLOMIPHENE, therapeutic use/ ESTRADIOL, blood/
*ESTROGENS, metabolism/ FEEDBACK/
FEMALE/ HUMAN/ LH, blood/ *PITUITARY DISEASES, metabolism
2511. Marshall M, Hess H, Mallasch M: On the content of biogenous amines in several arteries of the miniature pig. Res Exp Med (Berl) 161:210-23, 22 Oct 73
ANIMAL EXPERIMENTS/ *ARTERIES, analysis/ ARTERIES, cytology/ *BIOGENIC AMINES, analysis/ DOPAMINE, analysis/
ENDOTHELIUM, analysis/ EPINEPHRINE, analysis/ HISTOCYTOCHEMISTRY/
MICROSCOPY, ELECTRON, SCANNING/
NOREPINEPHRINE, analysis/ RESERPINE, pharmacodynamics/ SEROTONIN, analysis/
SWINE
2512. Marsico S, Vermiglio G, Palmara D, et al: Aspetti genetici, endocrini ed anatomistologici della femminilizzazione testicolare.
Ann Ostet Ginecol Med Perinat 94:54-66, Jan 73 (Ita)
ADULT/ ANDROGENS, secretion/ ENDOCRINE GLANDS, physiopathology/ ESTROGENS, secretion/ HUMAN/
11-HYDROXYCORTICOSTEROIDS, secretion/
KARYOTYPING/ 17-KETOSTEROIDS,

AUTHOR SECTION

- secretion/ MALE/ *TESTICULAR
FEMINIZATION/ TESTICULAR
FEMINIZATION, familial & genetic/
TESTICULAR FEMINIZATION, surgery
2513. Martinez-Maldonado M, Terrell J: Lithium carbonate-induced nephrogenic diabetes insipidus and glucose intolerance. Arch Intern Med 132:881-4, Dec 73
BLOOD SUGAR, analysis/ BODY WEIGHT/
*CARBONATES, adverse effects/
CARBONATES, therapeutic use/ DIABETES INSIPIDUS, blood/ *DIABETES INSIPIDUS, chemically induced/ DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ ELECTROLYTES, blood/ ELECTROLYTES, urine/ GLOMERULAR FILTRATION RATE/ HUMAN/ *HYPERGLYCEMIA, chemically induced/ INSULIN, therapeutic use/ *LITHIUM, adverse effects/ LITHIUM, therapeutic use/ MALE/ MIDDLE AGE/ OSMOLAR CONCENTRATION/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ WATER-ELECTROLYTE BALANCE
2514. Martini N, Clifton EE, Beattie EJ Jr: Proceedings: Survival of lung cancer patients vis-à-vis therapy and cell type. Proc Natl Cancer Conf 7:739-42, 1973
ADENOCARCINOMA, mortality/ CARCINOMA, BRONCHIOAL, mortality/ CARCINOMA, BRONCHOGENIC, mortality/ CARCINOMA, EPIDERMAL, mortality/ CARCINOMA, OAT CELL, mortality/ COMPARATIVE STUDY/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LUNG, pathology/ *LUNG NEOPLASMS, mortality/ LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, surgery/ LUNG NEOPLASMS, therapy/ MALE
2515. Marton I, Endrőczl E: Dose and time dependence of testosterone-induced precocious puberty in female rats. Acta Physiol Acad Sci Hung 43:49-53, 1973
ANIMAL EXPERIMENTS/ CRITICAL PERIOD (PSYCHOLOGY)/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GONADOTROPINS, PITUITARY, secretion/ MALE/ ORGAN WEIGHT/ *OVARY, drug effects/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PUBERTY, drug effects/ RATS/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS
2516. Martynov IuS, Popova AS, Voshchanova NP: O vistsero-sosudistykh prolavleniakh v klinike gipokal'tsemicheskoi tetanii. Klin Med (Mosk) 51:79-83, Jan 73 (Rus)
ADULT/ CARDIOVASCULAR DISEASES, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL DISEASES, diagnosis/ HUMAN/ *HYPOCALCEMIA, complications/ HYPOCALCEMIA, diagnosis/ HYPOPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ *TETANY, complications/ TETANY, diagnosis/ TETANY, etiology
2517. Maruyama Y, Hoseya E, Takemori AE: [Gas chromatographic analysis of central biogenic amines and its application. 1] Folia Pharmacol Jap 69:661-72, Sep 73 (Jap)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ BIOGENIC AMINES, isolation & purification/ BRAIN, metabolism/ *BRAIN CHEMISTRY/ *CHROMATOGRAPHY, GAS/ DOPAMINE, analysis/ ENGLISH ABSTRACT/ HYDROXYINDOLEACETIC ACID, analysis/ METHODS/ MICE/ MORPHINE, pharmacodynamics/ NOREPINEPHRINE, analysis/ PARGYLINE, pharmacodynamics/ SEROTONIN, analysis/ SEROTONIN, metabolism/ SOLVENTS
2518. Marwood J, Lockett MF: Some effects of a restricted potassium intake on adaptation to saline drinking. Aust J Exp Biol Med Sci 51:521-35, Aug 73
*ADAPTATION, PHYSIOLOGICAL/ ALKALOSIS, chemically induced/ ALKALOSIS, physiopathology/ AMINOHIPPURIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CITRATES/ CREATININE, metabolism/ DESOXYCORTICOSTERONE, pharmacodynamics/ *DIET/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, pathology/ LIPIDS, analysis/ MUSCLES, analysis/ NATRIURESIS, drug effects/ POTASSIUM, analysis/ POTASSIUM, urine/ POTASSIUM DEFICIENCY, pathology/ *POTASSIUM DEFICIENCY, physiopathology/ RATS/ SODIUM, analysis/ *SODIUM CHLORIDE/ WATER, analysis
2519. Marwood JF, Gan EK, Lockett MF: Lesions in the septal nuclei of the rat raise mean systemic arterial pressure and prevent the development of sound-withdrawal hypertension. J Pharm Pharmacol 25:614-20, Aug 73
ADRENAL GLANDS, anatomy & histology/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ HIPPOCAMPUS, physiology/ *HYPERTENSION, etiology/ KIDNEY, anatomy & histology/ *NOISE/ NOREPINEPHRINE, pharmacodynamics/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ RATS/ RATS, INBRED STRAINS/ SEPTAL NUCLEI, physiology/ *SEPTUM PELLUCIDUM, physiology/ THYROID GLAND, physiology/ TYRAMINE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics
2520. Marwood JF, Lockett MF: Some effects of hypophysectomy and of adrenalectomy on the adaptation of rats to the drinking of saline. Aust J Exp Biol Med Sci 51:537-47, Aug 73
*ADAPTATION, PHYSIOLOGICAL/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ AMINOHIPPURIC ACID, metabolism/ ANIMAL EXPERIMENTS/ CREATININE, metabolism/ DESOXYCORTICOSTERONE, pharmacodynamics/ *DIET/ DIURESIS, drug effects/ FEMALE/ HYPOPHYSECTOMY/ METABOLIC CLEARANCE RATE, drug effects/ NATRIURESIS, drug effects/ *PITUITARY GLAND, physiology/ POTASSIUM, urine/ RATS/ SODIUM, urine/ *SODIUM CHLORIDE
2521. Marwood JF, Lockett MF: Effect of drinking saline on renal responses to aldosterone. Aust J Exp Biol Med Sci 51:549-52, Aug 73
ADAPTATION, PHYSIOLOGICAL/ *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *DIET/ DIURESIS, drug effects/ FEMALE/ HYPOPHYSECTOMY/ *NATRIURESIS, drug effects/ PITUITARY GLAND, physiology/ POTASSIUM, urine/ POTASSIUM DEFICIENCY, physiopathology/ RATS/ *SODIUM CHLORIDE
2522. (Mary of Bologna), O'Neill YV: Michael Scot and Mary of Bologna. A medieval gynecological puzzle. Clio Med 8:87-111, Jun 73
*ABORTION, MISSED, history/ *ASTROLOGY/ *FAMOUS PERSONS/ FEMALE/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, MEDIEVAL/ HUMAN/ *HYDATIDIFORM MOLE, history/ ITALY/ MANUSCRIPTS/ PREGNANCY/ SCOTLAND
2523. März L, Bahl OP, Mohn JF: Blood-group activity of human chorionic gonadotropin. Blochem Biophys Res Commun 55:717-23, 10 Dec 73
ABO FACTORS/ *BLOOD GROUPS/ CHROMATOGRAPHY, ION EXCHANGE/ CROSS REACTIONS/ GALACTOSAMINE/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, analysis/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ LEWIS BLOOD-GROUP SYSTEM/ PLANT AGGLUTININS/ SALIVA, immunology/ SWINE
2524. Masal'skala EI: Funktsional'noe sostoianie shchitovidnoi i podzheludochnoi zhelez u detei pervykh mesiatsev zhizni v norme i pri patologii. Vopr Okhr Materin Det 18:50-4, Nov 73 (Rus)
ENGLISH ABSTRACT/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, physiopathology/ *INFANT,

AUTHOR SECTION

PREMATURE, DISEASES, physiopathology/
*PANCREAS, physiopathology/ *THYROID
GLAND, physiopathology

2525. Masawe AE, Mwanukuzi E, Nyaulingo D: Pure red cell aplasia in association with tuberculosis.
East Afr Med J 50:340-3, Jul 73

ANDROGENS, therapeutic use/ *ANEMIA, complications/ ANEMIA, drug therapy/ ANTITUBERCULAR AGENTS, therapeutic use/ BLOOD TRANSFUSION/ BONE MARROW EXAMINATION/ FEMALE/ FOLIC ACID, therapeutic use/ HUMAN/ IRON, therapeutic use/ MIDDLE AGE/ STEROIDS, therapeutic use/ STREPTOMYCIN, therapeutic use/ SULFATHIAZOLES, therapeutic use/ *TUBERCULOSIS, PULMONARY, complications

2526. Mašek K, Kadlecová O, Rašková H: Brain amines in fever and sleep cycle changes caused by streptococcal mucopeptide. Neuropharmacology 12:1039-47, Nov 73

ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, metabolism/ BODY TEMPERATURE, drug effects/ ELECTRODES, IMPLANTED/ ELECTROMYOGRAPHY/ *FEVER, metabolism/ HYPOTHALAMUS, metabolism/ KINETICS/ MALE/ MESENCEPHALON, metabolism/ NOREPINEPHRINE, metabolism/ PARGYLINE, metabolism/ *PEPTIDES, pharmacodynamics/ RATS/ SALICYLATES, pharmacodynamics/ SEROTONIN, metabolism/ *SLEEP, drug effects/ *STREPTOCOCCUS/ TIME FACTORS

2527. Masek K, Paegelow I, Rasková H, et al: Hemodynamic effects of group A Streptococcus mucopeptide. Proc Soc Exp Biol Med 144:1020-4, Dec 73

ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BRAIN, physiology/ CARDIAC OUTPUT, drug effects/ CATS/ CELL WALL, analysis/ ELECTROCARDIOGRAPHY/ GUINEA PIGS/ HEART RATE, drug effects/ HEAT/ *HEMODYNAMICS, drug effects/ IN VITRO/ INDICATOR DILUTION TECHNIQUES/ INJECTIONS, INTRAVENOUS/ MUCOPROTEINS, administration & dosage/ MUCOPROTEINS, analysis/ *MUCOPROTEINS, pharmacodynamics/ RABBITS/ RATS/ SEROTONIN, pharmacodynamics/ SPECIES SPECIFICITY/ *STREPTOCOCCUS PYOGENES, analysis/ VAGOTOMY

2528. Massobrio M, Sismondi P, Coppo F: Elettroliti de osmolarità del liquido amniotico: analisi dei fattori fetali coinvolti nella loro regolazione. Ann Ostet Ginecol Med Perinat 93:531-45, Aug 72 (Ita)

*AMNIOTIC FLUID, metabolism/ CALCIUM, metabolism/ CHLORINE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ OSMOLAR CONCENTRATION/ PARATHYROID GLANDS, metabolism/ PHOSPHORUS, metabolism/ POTASSIUM, metabolism/ PREGNANCY/ SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE

2529. Masson GM: Proceedings: Plasma oestriol in unsuccessful pregnancy. J Endocrinol 59:xxiv-xxv, Nov 73

ANENCEPHALUS, diagnosis/ *ESTRIOL, blood/ FEMALE/ FETAL DEATH, diagnosis/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS, blood

2530. Masuda H, Yamamoto H, Sese A, et al: [Successful sternal resection and reconstruction in metastatic sternal tumor] J Jap Assoc Thorac Surg 21:868-73, Sep 73 (Jap)

*BONE NEOPLASMS, surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ ILLUM, transplantation/ MIDDLE AGE/ NEOPLASM METASTASIS/ *STERNUM, surgery/ THYROID NEOPLASMS/ TRANSPLANTATION, AUTOLOGOUS

2531. Masuoka DT, Alcaraz AF, Cohen MB, et al: Acute distribution of 14C-amino acids in mice as determined by whole-body autoradiography: adjunct for radiopharmaceutical synthesis. Int J Appl Radiat Isot 24:705-7, Dec 73

ADRENAL GLANDS, metabolism/ ALANINE, metabolism/ AMINO ACIDS, blood/ *AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, metabolism/

AUTORADIOGRAPHY/ BRAIN, metabolism/ CARBON RADIOISOTOPES/ GLUTAMATES, metabolism/ HISTIDINE, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ LUNG, metabolism/ LYSINE, metabolism/ MICE/ MYOCARDIUM, metabolism/ PANCREAS, metabolism/ *RADIOISOTOPE SCANNING/ SALIVARY GLANDS, metabolism/ SPLEEN, metabolism/ STOMACH, metabolism/ THYMUS GLAND, metabolism

2532. Masuoka DT, Alcaraz AF: 6-Hydroxydopamine: effect on mouse brain monoamines and 14C-noradrenaline uptake. Eur J Pharmacol 24:234-42, Nov 73

ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ AXONS, metabolism/ *BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ CARBON RADIOISOTOPES/ CEREBRAL VENTRICLES/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HISTOCYTOCHEMISTRY/ HYDROXYDOPAMINE, administration & dosage/ *HYDROXYDOPAMINE, pharmacodynamics/ INJECTIONS/ MALE/ MICE/ MICROSCOPY, FLUORESCENCE/ NERVE ENDINGS, drug effects/ NERVE ENDINGS, metabolism/ *NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism

2533. Matei VE: Gipotalamo-gipofizarnala neirosekretornala sistema guppi Lebistes reticulatus pri khronicheskom otravlenii fenolom. Zh Evol Blokhim Fiziol 9:481-6, Sep-Oct 73 (Rus)

ANIMAL EXPERIMENTS/ *CYPRINIDAE, physiology/ ENGLISH ABSTRACT/ FEMALE/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, drug effects/ *NEUROSECRETION, drug effects/ *PHENOLS, poisoning

2534. Mathiasen MS: Determination of bone age and recording of minor skeletal hand anomalies in normal children. Dan Med Bull 20:80-5, Jun 73

ADOLESCENCE/ *AGE DETERMINATION BY SKELETON/ BONE AND BONES, abnormalities/ BONE AND BONES, radiography/ BONE DEVELOPMENT/ CHILD/ EPIPHYSES, pathology/ FEMALE/ FOLLOW-UP STUDIES/ *HAND, abnormalities/ HAND, radiography/ HUMAN/ MALE/ WRIST, abnormalities/ WRIST, radiography

2535. Mathios AJ, McCausland AM: Basal cell carcinoma originating in a benign cystic teratoma of the ovary. Obstet Gynecol 42:892-6, Dec 73

ADULT/ CARCINOMA, BASAL CELL, complications/ *CARCINOMA, BASAL CELL, pathology/ CASTRATION/ DERMOID CYST, complications/ *DERMOID CYST, pathology/ DERMOID CYST, surgery/ FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, complications/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ OVARY, pathology

2536. Mati JK: Corticosteroids and the initiation of parturition in the human. East Afr Med J 50:462-5, Aug 73

ADULT/ *BETAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LABOR, drug effects/ *LABOR, INDUCED/ MALE/ PREGNANCY

2537. Matisonn R, Pimstone B: Diabetes insipidus associated with an empty sella turcica. Postgrad Med J 49:274-6, Apr 73

ADULT/ *DIABETES INSIPIDUS, etiology/ FEMALE/ HUMAN/ PITUITARY-ADRENAL FUNCTION TESTS/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA/ *SKULL NEOPLASMS, complications/ THYROID GLAND FUNCTION TESTS

2538. Matovinovic I, Trowbridge FL, Nichaman MZ, et al: Iodine nutrition and prevalence of endemic goiter in

AUTHOR SECTION

- USA. *Acta Endocrinol* [Suppl] (Kbh) 17-8, 1973
ADOLESCENCE/ ADULT/ BREAD/ CHILD/
DEFICIENCY DISEASES, occurrence/
FEMALE/ FOOD ADDITIVES/ FOOD
ANALYSIS/ FOOD PRESERVATION/
*GOITER, ENDEMIC, occurrence/ GOITER,
ENDEMIC, prevention & control/ GOITER,
ENDEMIC, therapy/ HUMAN/ *IODINE, blood/
IODINE, therapeutic use/ IODINE, urine/
MALE/ NUTRITION SURVEYS/
RESTAURANTS/ SEX FACTORS/ SODIUM
CHLORIDE/ THYROIDECTOMY/ UNITED
STATES
2539. Matrova Ts: Laktatdekhidrogenazna aktivnost v
platsentata pri donosena bremennost.
Akush Ginekoi (Sofia) 12:388-91, 1973 (Bul)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*LACTATE DEHYDROGENASE, analysis/
*PLACENTA, enzymology/ PREGNANCY
2540. Matschner JT, Bell RG: Effect of sex and sex hormones
on plasma prothrombin and vitamin K deficiency.
Proc Soc Exp Biol Med 144:316-20, 1 Oct 73
ANIMAL EXPERIMENTS/ *ESTRADIOL,
pharmacodynamics/ ESTROGENIC
SUBSTANCES, CONJUGATED,
pharmacodynamics/ FEMALE/ MALE/
PREGNANCY/ *PROTHROMBIN, analysis/
RATS/ SEX FACTORS/ *VITAMIN K
DEFICIENCY, blood
2541. Matsui S, Sasaki M: Differential staining of nucleolus
organisers in mammalian chromosomes.
Nature 246:148-50, 16 Nov 73
ANIMAL EXPERIMENTS/ CELL LINE/ *CELL
NUCLEOLUS/ *CHROMOSOMES/ DEER/
FIBROBLASTS/ HAMSTERS/ HUMAN/
KARYOTYPING/ LUNG/ LYMPHOCYTES/
MACACA/ METHODS/ MITOSIS/ RATS/
RODENTS/ *STAINS AND STAINING/ TESTIS
2542. Matsui T, Nagano M, Tobitsuka J, et al: [Studies on
organic sulfur compounds. XII. Desulfuric
ring-closure reaction of o-substituted aromatic
thiol-iphonic acid esters (author's transl)]
J Pharm Soc Jap 93:977-81, Aug 73 (Jap)
CARBOXYLIC ACIDS/ CYCLIZATION/
ENGLISH ABSTRACT/ ESTERS/ *SULFUR/
*THIOUREA
2543. Matsumoto K, Mizutani S: [Testicular feminization]
Jap J Clin Med 31:2524-8, 10 Aug 73 (Jap)
ANDROGENS, metabolism/ HUMAN/ MALE/
RECEPTORS, HORMONE/ *TESTICULAR
FEMINIZATION, metabolism
2544. Matsuura M, Hayashi Y, Katayama H: Duodenal ulcer
in rats by 3-allyl-5-isobutyl-2-thiohydantoin and its
related compound. *Experientia* 29:1364-5, 15 Nov 73
ADMINISTRATION, ORAL/ ALLYL
COMPOUNDS, adverse effects/ AMIDES,
adverse effects/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *DUODENAL ULCER,
chemically induced/ *HYDANTOINS, adverse
effects/ INJECTIONS, SUBCUTANEOUS/
SULFHYDRYL COMPOUNDS, adverse effects/
THIAZOLES, adverse effects/
THIOHYDANTOINS, administration & dosage/
THIOHYDANTOINS, adverse effects
2545. Matthews EK, Saffran M: Ionic dependence of adrenal
steroidogenesis and ACTH-induced changes in the
membrane potential of adrenocortical cells.
J Physiol (Lond) 234:43-64, Oct 73
ACTION POTENTIALS, drug effects/
ADRENAL GLANDS, drug effects/ *ADRENAL
GLANDS, secretion/ ANIMAL EXPERIMENTS/
CALCIUM, pharmacodynamics/ CHOLINE,
pharmacodynamics/ *CORTICOSTERONE,
secretion/ *CORTICOTROPIN,
pharmacodynamics/ DIBUCAMINE,
pharmacodynamics/ FLUORIDES,
pharmacodynamics/ IN VITRO/ LITHIUM,
pharmacodynamics/ MAGNESIUM,
pharmacodynamics/ *MEMBRANE
POTENTIALS, drug effects/ POTASSIUM,
pharmacodynamics/ RABBITS/ SODIUM,
pharmacodynamics/ TETRODOTOXIN,
pharmacodynamics
2546. Matus AI: Histochemical localization of biogenic
monoamines in the cephalic ganglia of *Octopus*
vulgaris. *Tissue Cell* 5:591-601, 1973
ANIMAL EXPERIMENTS/ BOROHYDRIDES/
BRAIN, cytology/ BRAIN CHEMISTRY/
*CATECHOLAMINES, analysis/
FORMALDEHYDE/ FREEZE DRYING/
*GANGLIA, analysis/ GANGLIA, cytology/
HISTOCYTOCHEMISTRY/ MICROSCOPY,
FLUORESCENCE/ *OCTOPUS, cytology/
RESERPINE/ *SEROTONIN, analysis
2547. Matuszewski W, Waroński W, Kamiński K, et al:
Aktywność monoaminoooksydazy (MAO) w łóżykach
w przebiegu ciąży prawidłowej.
Pol Tyg Lek 28:1628-30, 15 Oct 73 (Pol)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*MONOAMINE OXIDASE, metabolism/
*PLACENTA, enzymology/ *PREGNANCY/
TIME FACTORS
2548. Mauer AM, Lampkin BC: Proceedings: Cellular
kinetics in acute leukemia.
Proc Natl Cancer Conf 7:325-31, 1973
ACUTE DISEASE/ ASPARAGINASE,
pharmacodynamics/ *CELL DIVISION/ CELL
DIVISION, drug effects/ CELL SURVIVAL/
CYTARABINE, pharmacodynamics/ DNA,
biosynthesis/ GLUCOCORTICOIDES,
pharmacodynamics/ HUMAN/ *LEUKEMIA/
METHOTREXATE, pharmacodynamics/
MITOSIS/ THYMIDINE, metabolism/
TRITIUM/ VINCRISTINE, pharmacodynamics
2549. Maume BF, Luyten JA: Evaluation of gas
chromatographic-mass spectrometric and mass
fragmentographic performance in steroid analysis
with glass capillary columns.
J Chromatogr Sci 11:607-10, Nov 73
CHOLESTANES, analysis/
CHROMATOGRAPHY, GAS/ *ESTROGENS,
analysis/ EVALUATION STUDIES/ METHODS/
SPECTRUM ANALYSIS, MASS
2550. Mauss J: Eine neue Methode zur Überprüfung von
Umweltfaktoren auf die Spermatogenese bei der
Ratte. *Andrologie* 5:159-62, 1973 (Ger)
ANIMAL EXPERIMENTS/ CASTRATION/
CELL COUNT/ CRYPTORCHISM,
physiopathology/ CYCLOPHOSPHAMIDE,
pharmacodynamics/ EJACULATION/ ENGLISH
ABSTRACT/ ENVIRONMENT/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
EQUINE, pharmacodynamics/ HEAT/ MALE/
METHANE/ METHODS/ RATS/
*SPERMATOGENESIS/ SPERMATOGENESIS,
drug effects/ SPERMATOZOA, drug effects/
SPERMATOZOA, physiology/ STANOLONE,
pharmacodynamics
2551. Mauss J: Zytostatikabehandlung und andrologischer
Befund.
Andrologie 4:351-4, 1972 (15 ref.) (Ger)
*CHLORAMBUCIL, pharmacodynamics/
*CYCLOPHOSPHAMIDE, pharmacodynamics/
EJACULATION, drug effects/ ENGLISH
ABSTRACT/ HUMAN/ MALE/
METHOTREXATE, pharmacodynamics/
*REPRODUCTION, drug effects/ REVIEW/
SPERMATOZOA, drug effects/
TESTOSTERONE, blood
2552. Mauss J, Börsch G: Immunochemical assay of
follicle-stimulating and luteinizing hormone in the
unconcentrated urine of sub- or infertile males.
Acta Endocrinol (Kbh) 74:631-41, Dec 73
ADOLESCENCE/ ADULT/ CELL COUNT/
CELL MOVEMENT/ CLOMIPHENE, diagnostic
use/ DEPRESSION, CHEMICAL/ *FSH, urine/
HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ HYPOGONADISM, urine/
IMMUNOASSAY/ KLINEFELTER'S
SYNDROME, urine/ *LH, urine/ MALE/
MIDDLE AGE/ SPERMATOZOA, analysis/
*STERILITY, MALE, urine/ TESTIS, anatomy
& histology/ VARICOCELE, urine
2553. Mauvais-Jarvis P, Kuttann F, Baudot N: Inhibition of
testosterone conversion to dihydrotestosterone in

AUTHOR SECTION

- men treated percutaneously by progesterone.
J Clin Endocrinol Metab 38:142-7, Jan 74
ADULT/ HUMAN/ MALE/ PROGESTERONE,
administration & dosage/ *PROGESTERONE,
pharmacodynamics/ SKIN, metabolism/
*STANOLONE, metabolism/ TEMPERATURE/
*TESTOSTERONE, metabolism/ TIME
FACTORS/ TRITIUM
2554. Mawatari S, Takagi A, Rowland LP: Adenyl cyclase in normal and pathologic human muscle.
Arch Neurol 30:96-102, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ADENOSINE TRIPHOSPHATASE,
metabolism/ ADENOSINE TRIPHOSPHATE,
metabolism/ *ADENYL CYCLASE, metabolism/
AMYOTROPHIC LATERAL SCLEROSIS,
enzymology/ CALCIUM, pharmacodynamics/
CELL MEMBRANE, enzymology/ EDTA,
pharmacodynamics/ EPINEPHRINE,
pharmacodynamics/ FEMALE/ FLUORIDES,
pharmacodynamics/ GLUCAGON,
pharmacodynamics/ HISTAMINE,
pharmacodynamics/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ MAGNESIUM,
pharmacodynamics/ MITOCHONDRIA, MUSCLE,
enzymology/ MUSCLE DENERVATION/
MUSCLES, drug effects/ *MUSCLES,
enzymology/ *MUSCULAR DISEASES,
enzymology/ MUSCULAR DYSTROPHY,
enzymology/ MYOFIBRILS, enzymology/
MYOSITIS, enzymology/ MYOTONIA,
enzymology/ NEUROMUSCULAR DISEASES,
enzymology/ NOREPINEPHRINE,
pharmacodynamics/ PROCTAGLANDINS,
pharmacodynamics/ SARCOPLASMIC
RETICULUM, enzymology/ THYROXINE,
pharmacodynamics
2555. Mawdsley C: Neurological aspects of carcinoma and systemic diseases.
Practitioner 211:282-94, Sep 73 (30 ref.)
ALCOHOLISM, complications/ DIABETES
MELLITUS, complications/
HEPATOLENTICULAR DEGENERATION,
complications/ HUMAN/ *KIDNEY DISEASES,
complications/ *LIVER DISEASES,
complications/ MUSCULAR DISEASES,
etiology/ NEOPLASM METASTASIS/
*NEOPLASMS, complications/ NERVOUS
SYSTEM DISEASES, chemically induced/
*NEUROLOGIC MANIFESTATIONS/
PARATHYROID DISEASES, complications/
PITUITARY DISEASES, complications/
POISONING/ REVIEW/ SARCOIDOSIS,
complications/ THYROID DISEASES,
complications
2556. Mazia D: The cell cycle. Sci Am 230:53-64, Jan 74
ANIMAL EXPERIMENTS/ *CELL DIVISION/
DNA REPLICATION/ FEMALE/ HAMSTERS/
MICROSCOPY, ELECTRON, SCANNING/
MITOSIS/ OVARY, cytology/ TIME FACTORS
2557. Mazurkiewicz-Kwilecki IM, Filczewski M: The effects of chronic treatment with delta 9-tetrahydrocannabinol on catecholamine synthesis in the rat. Psychopharmacologia 33:71-9, 23 Oct 73
ADRENAL GLANDS, metabolism/ BRAIN,
metabolism/ BRAIN CHEMISTRY/ CANNABIS,
pharmacodynamics/ *CATECHOLAMINES,
biosynthesis/ DOPAMINE, metabolism/
EPINEPHRINE, metabolism/ MALE/
MYOCARDIUM, metabolism/
NOREPINEPHRINE, metabolism/ RATS/
TETRAHYDROCANNABINOL, administration &
dosage/ TETRAHYDROCANNABINOL,
pharmacodynamics/ TRITIUM
2558. Mazurkiewicz-Kwilecki IM, Peters DA: Effects of chronic treatment with histamine on catecholamine content and synthesis in rat brain, heart and adrenals. Biochem Pharmacol 22:3225-35, 15 Dec 73
ADRENAL GLANDS, enzymology/ *ADRENAL
GLANDS, metabolism/ ANIMAL
EXPERIMENTS/ ANTIHISTAMINICS,
pharmacodynamics/ BODY TEMPERATURE,
drug effects/ *BRAIN, metabolism/
*CATECHOLAMINES, biosynthesis/
DOPAMINE, metabolism/ DRUG TOLERANCE/
EPINEPHRINE, metabolism/ *HEART, drug
effects/ *HISTAMINE, pharmacodynamics/
MALE/ *MYOCARDIUM, metabolism/
NOREPINEPHRINE, metabolism/
PHENETHANOLAMINE
N-METHYLTRANSFERASE, metabolism/
RATS/ TIME FACTORS/ TRIPELENNAMINE,
pharmacodynamics/ TYROSINE, metabolism/
TYROSINE HYDROXYLASE, metabolism
2559. Meacham G, Williams DF: Changes in nonosseous tissue adjacent to titanium implants.
J Biomed Mater Res 7:555-72, Nov 73
ACTIVATION ANALYSIS/ BONE AND
BONES, drug effects/ BONE AND BONES,
pathology/ *BONE NAILS, adverse effects/
*BONE PLATES, adverse effects/
*CONNECTIVE TISSUE, analysis/
*CONNECTIVE TISSUE, drug effects/
CONNECTIVE TISSUE, pathology/ FOREIGN
BODY REACTION, pathology/ HUMAN/
METALLURGY/ *PROSTHESIS/ *TITANIUM,
analysis/ *TITANIUM, metabolism
2560. Mead KW: A radiotherapeutic technique for pituitary adenomas. Australas Radiol 17:250-5, Sep 73
*ADENOMA, radiotherapy/ HUMAN/
METHODS/ *PITUITARY NEOPLASMS,
radiotherapy/ RADIOLOGY DOSAGE
2561. Mecklenburg RS, Lipsett MB: Disappearance of metastatic breast cancer after oophorectomy.
N Engl J Med 289:845-6, 18 Oct 73
ADENOCARCINOMA, mortality/
*ADENOCARCINOMA, therapy/ ADULT/
BREAST NEOPLASMS, mortality/ *BREAST
NEOPLASMS, therapy/ *CASTRATION/
FEMALE/ HUMAN/ LUNG NEOPLASMS,
therapy/ NEOPLASM METASTASIS, mortality/
NEOPLASM METASTASIS, therapy
2562. Medau HJ: Glukokortikoid- Therapie in der Inneren Mediz. Med Welt 24:1427-30, 21 Sep 73 (Ger)
ADULT/ GLUCOCORTICOIDS, adverse effects/
*GLUCOCORTICOIDS, therapeutic use/
HUMAN/ JOINT DISEASES, chemically
induced/ KIDNEY, transplantation/ KNEE
JOINT/ NECROSIS/ TRANSPLANTATION,
HOMOLOGOUS
2563. Medau HJ: Glukokortikoid-Therapie in der Inneren Mediz. Pharmakodynamische Therapie. I.
Med Welt 24:1589-93, 19 Oct 73 (Ger)
*ASTHMA, drug therapy/ AUTOIMMUNE
DISEASES, drug therapy/ *BRAIN EDEMA,
drug therapy/ *GLUCOCORTICOIDS,
therapeutic use/ HUMAN/ RHEUMATISM,
drug therapy/ *SHOCK, drug therapy/ TIME
FACTORS
2564. Medeiros Neto GA de, Ferraz A: Diagnóstico cintilográfico.
Rev Assoc Med Bras 19:301-2, Jul 73 (Por)
ADULT/ FEMALE/ *GOITER, NODULAR,
diagnosis/ HUMAN/ *RADIOISOTOPE
SCANNING
2565. Medeiros-Neto GA, Nicolau W, Takeda A, et al: Biochemical studies on endemic goiter glands before and one year after an injection of iodized oil. Acta Endocrinol [Suppl] (Khh) 97-B, 1973
BIOPSY/ DNA, metabolism/ GOITER,
NODULAR, metabolism/ HUMAN/ IODINE,
metabolism/ IODINE RADIOISOTOPES/
IODIZED OILS, administration & dosage/
*IODIZED OILS, pharmacodynamics/
IODOPROTEINS, metabolism/ RNA,
metabolism/ *THYROID GLAND, drug effects/
THYROID GLAND, metabolism
2566. Medlinsky HL: Rickets associated with anticonvulsant medication. Pediatrics 53:91-5, Jan 74
ALKALINE PHOSPHATASE, blood/ CALCIUM,
blood/ CHILD, PRESCHOOL/ CONVULSIONS,
drug therapy/ *DIPHENYLHYDANTOIN,
adverse effects/ FEMALE/ HUMAN/
*PHENOBARBITAL, adverse effects/
PHOSPHORUS, blood/ *PRIMIDONE, adverse
effects/ RICKETS, blood/ *RICKETS,

AUTHOR SECTION

- chemically induced/ RICKETS, drug therapy/
VITAMIN D, therapeutic use
2567. Medon PJ, Blake DE: Temperature effects of intraventricular serotonin, norepinephrine and pilocarpine in the morphine-tolerant rat. *Life Sci* 13:1395-402, 16 Nov 73
ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ *BODY TEMPERATURE REGULATION, drug effects/ COMPARATIVE STUDY/ DRUG TOLERANCE/ MALE/ *MORPHINE, pharmacodynamics/ *NOREPINEPHRINE, pharmacodynamics/ *PILOCARPINE, pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics/ TEMPERATURE/ TIME FACTORS
2568. Meeter E: Investigation of the rapid recovery of rat thermoregulation from soman poisoning. *Eur J Pharmacol* 24:105-7, Oct 73
ANIMAL EXPERIMENTS/ *BODY TEMPERATURE REGULATION, drug effects/ CARBACHOL, administration & dosage/ CARBACHOL, pharmacodynamics/ CEREBRAL VENTRICLES/ *CHOLINESTERASE INHIBITORS, poisoning/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiopathology/ INJECTIONS/ MALE/ *ORGANOPHOSPHORUS COMPOUNDS, poisoning/ POISONING, physiopathology/ RATS/ SOMAN, administration & dosage/ SOMAN, poisoning/ TIME FACTORS
2569. Mehta BC, Bhatt PD, Patel JC: Aplastic anemia: a study of 37 cases. *Indian J Med Sci* 27:440-7, Jun 73
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ ANABOLIC STEROIDS, therapeutic use/ *ANEMIA, APLASTIC/ ANEMIA, APLASTIC, complications/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, etiology/ ANEMIA, APLASTIC, occurrence/ ANEMIA, APLASTIC, pathology/ BONE MARROW, pathology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ SEX FACTORS
2570. Mehta S: Case report. Anaphylactic reaction to Althesin. *Anaesthesia* 28:669-72, Nov 73
ADULT/ *ANAPHYLAXIS, chemically induced/ ANESTHESIA, GENERAL/ *ANESTHETICS, adverse effects/ BLOOD PRESSURE/ CASE REPORT/ CASTOR OIL, adverse effects/ CYANOSIS, chemically induced/ DRUG COMBINATIONS/ ERYTHEMA, chemically induced/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, adverse effects/ *PREGNANEDIONES, adverse effects/ SKIN TESTS
2571. Meier-Ruge W: Zur Ätiologie und Pathogenese toxischer Arzneimittelnebenwirkungen an der Netzhaut. *Klin Monatsheft Augenheilkd* 163:155-72, Aug 73 (Ger)
ADRENAL CORTEX HORMONES, adverse effects/ ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, adverse effects/ CARDIAC GLYCOSIDES, adverse effects/ CATS/ CHLORAMPHENICOL, adverse effects/ CHLOROQUINE, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ *DRUG THERAPY, adverse effects/ ENGLISH ABSTRACT/ HUMAN/ MELANIN, metabolism/ PHENOTHIAZINES, adverse effects/ PROTEIN BINDING, drug effects/ QUININE, adverse effects/ *RETINAL DISEASES, chemically induced/ RETINAL DISEASES, diagnosis
2572. Meijls-Roelofs HM, Uilenbroek JT, Jong FH de, et al: Plasma oestradiol-17beta and its relationship to serum follicle-stimulating hormone in immature female rats. *J Endocrinol* 59:295-304, Nov 73
ADRENALECTOMY/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CASTRATION/ *ESTRADIOL, blood/ FEMALE/ *FSH, blood/ ORGAN WEIGHT/ RADIOIMMUNOASSAY/ RATS/ UTERUS
2573. Meinel H: Subsepsis allergica Wissler im Erwachsenenalter. *Z Gesamte Inn Med* 28:633-8, 15 Oct 73 (Ger)
AGE FACTORS/ ARTHRITIS, RHEUMATOID, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ RHEUMATIC FEVER, diagnosis/ SEPTICEMIA, diagnosis/ *WISSLER'S SYNDROME, diagnosis/ WISSLER'S SYNDROME, drug therapy
2574. Meinel A, Collin JP, Hartwig HG: Pinéale et troisième oeil de *Lacerta vivipara* (J.), au cours de la vie embryonnaire et postnatale. Etude cytophysiologique des monoamines en microscopie de fluorescence et en microspectrofluorimétrie. *Z Zellforsch Mikrosk Anat* 144:89-115, 30 Oct 73 (Fre)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ CATECHOLAMINES, analysis/ CELL DIFFERENTIATION/ ENGLISH ABSTRACT/ *EYE, analysis/ EYE, embryology/ FEMALE/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ INDOLES/ *LIZARDS, metabolism/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ NOREPINEPHRINE/ *PINEAL BODY, analysis/ PINEAL BODY, embryology/ SEROTONIN, analysis/ SPECIES SPECIFICITY/ SPECTROMETRY, FLUORESCENCE/ TRYPTOPHAN
2575. Meissner G, Fiescher S: Dissociation and reconstitution of functional sarcoplasmic reticulum vesicles. *J Biol Chem* 249:302-9, 10 Jan 74
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ DEOXYCHOLIC ACID/ DIALYSIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ MUSCLES, cytology/ ORGANIDS, analysis/ ORGANIDS, metabolism/ PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ RABBITS/ RECEPTORS, DRUG/ SARCOPLASMIC RETICULUM, analysis/ *SARCOPLASMIC RETICULUM, metabolism/ SOLUBILITY/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TEMPERATURE
2576. Meister H, Trux F: Unreife zellige Panmyelose. *Acta Haematol (Basel)* 50:174-83, 1973 (Ger)
ACID PHOSPHATASE, blood/ ADULT/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ASPARAGINASE, therapeutic use/ BLOOD TRANSFUSION/ BONE MARROW EXAMINATION/ CASE REPORT/ DAUNOMYCIN, therapeutic use/ DRUG COMBINATIONS/ *ERYTHROLEUKEMIA, pathology/ ESTERASES, blood/ GLUCURONIDASE, blood/ HEMATOLOGIC DISEASES, enzymology/ *HEMATOLOGIC DISEASES, pathology/ HUMAN/ LEUKEMIA, drug therapy/ *LEUKEMIA, pathology/ MALE/ *MEGAKARYOCYTES/ METHOTREXATE, therapeutic use/ PEROXIDASES, blood/ PREDNISOLONE, therapeutic use/ SPLEEN, pathology/ STAINS AND STAINING/ THROMBOPENIA, diagnosis/ VINCRISTINE, therapeutic use
2577. Mello G, Curjel P: L'estrioluria nella isoinmunizzazione Rb. *Ann Ostet Ginecol Med Perinat* 94:44-53, Jan 73 (Ita)
ADULT/ AMNIOTIC FLUID, analysis/ BILIRUBIN, analysis/ *BLOOD GROUP INCOMPATIBILITY, diagnosis/ ENGLISH ABSTRACT/ *ERYTHROBLASTOSIS, FETAL, diagnosis/ *ESTRIOL, urine/ FEMALE/ HUMAN/ PREGNANCY/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, diagnosis/ *RH FACTORS
2578. Mellor JD, Layne DS: Steroid beta-D-glucosidase. Purification of the enzyme from rabbit liver. *J Biol Chem* 249:361-5, 25 Jan 74
ANIMAL EXPERIMENTS/

AUTHOR SECTION

- DESOXYCORTICOSTERONE/
DISACCHARIDASES, metabolism/
ELECTROPHORESIS, DISC/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ ESTRONE/ GEL FILTRATION/
*GLYCOSIDE HYDROLASES, isolation &
purification/ GLYCOSIDE HYDROLASES,
metabolism/ GLYCOSIDES, metabolism/
HEAT/ INTESTINE, LARGE, enzymology/
INTESTINE, SMALL, enzymology/
ISOELECTRIC FOCUSING/ KINETICS/ LIVER,
cytology/ *LIVER, enzymology/ MOLECULAR
WEIGHT/ RABBITS/ SODIUM DODECYL
SULFATE/ SPLEEN, enzymology/ STEROIDS/
STRUCTURE-ACTIVITY RELATIONSHIP/
SUBCELLULAR FRACTIONS, enzymology
2579. Mellstedt H, Holm G: In vitro studies of lymphocytes from patients with plasma cell myeloma. I. Stimulation by mitogens and cytotoxic activities. Clin Exp Immunol 15:309-20, Nov 73
ADULT/ AGED/ ANTIGEN-ANTIBODY REACTIONS/ CARBON ISOTOPES/ CELL LINE/ CHROMIUM ISOTOPES/ CONCAVALIN A, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DNA, biosynthesis/ HUMAN/ IN VITRO/ LIVER/ LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ MELPHALAN, therapeutic use/ MIDDLE AGE/ MITOGENS, pharmacodynamics/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, immunology/ PLANT AGGLUTININS/ PREDNISOLONE, therapeutic use
2580. Mellstedt H, Jondal M, Holm G: In vitro studies of lymphocytes from patients with plasma cell myeloma. II. Characterization by cell surface markers. Clin Exp Immunol 15:321-30, Nov 73
ADULT/ AGED/ ANTIGEN-ANTIBODY REACTIONS/ CELL LINE/ COMPLEMENT/ CONCAVALIN A, pharmacodynamics/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ DNA, biosynthesis/ ERYTHROCYTES, immunology/ HUMAN/ IMMUNE ADHERENCE REACTION/ IN VITRO/ LIVER/ *LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ MELPHALAN, therapeutic use/ MIDDLE AGE/ MITOGENS, pharmacodynamics/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, immunology/ PLANT AGGLUTININS, pharmacodynamics/ PREDNISOLONE, therapeutic use
2581. Melmon KL, Bourne HR, Weinstein Y, et al: Hemolytic plaque formation by leukocytes in vitro. Control by vasoactive hormones. J Clin Invest 53:13-21, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *CATECHOLAMINES, pharmacodynamics/ CHOLERA/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ENTEROTOXINS, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HEMOLYTIC PLAQUE TECHNIC/ *HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *LEUKOCYTES, drug effects/ LEUKOCYTES, metabolism/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SPECIES SPECIFICITY/ SPLEEN, cytology/ THEOPHYLLINE, pharmacodynamics
2582. Melmon KL, Weinstein Y, Shearer GM, et al: Separation of specific antibody-forming mouse cells by their adherence to insolubilized endogenous hormones. J Clin Invest 53:22-30, Jan 74
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *ANTIBODY PRODUCING CELLS/ CELL MEMBRANE, metabolism/ CELL SEPARATION/ COMPARATIVE STUDY/ EPINEPHRINE/ HEMOLYTIC PLAQUE TECHNIC/ HISTAMINE/ ISOPROTERENOL/ MICE/ NOREPINEPHRINE/ POLYSACCHARIDES/ PROSTAGLANDINS/ RECEPTORS, HORMONE/ SOLUBILITY/ *SPLEEN, cytology
2583. Mel'nikova MM: Formirovanie tsikla bazal'noi temperatury u devochek v period polovogo sozrevaniya. Vopr Okhr Materin Det 18:61-5, Nov 73 (Rus)
ADOLESCENCE/ *BODY TEMPERATURE/ ENGLISH ABSTRACT/ FEMALE/ *GENITALIA, FEMALE, growth & development/ HUMAN/ MENARCHE/ *MENSTRUATION/ PUBERTY/ VAGINAL SMEARS
2584. Melnykovych G, Bishop CF: Factors affecting glycogen levels in HeLa cells: prednisolone and adenine nucleotides. J Natl Cancer Inst 51:353-60, Aug 73
*ADENINE NUCLEOTIDES, pharmacodynamics/ *ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALKALINE PHOSPHATASE, metabolism/ CARBON RADIOISOTOPES/ *GLYCOGEN, metabolism/ HELA CELLS, enzymology/ *HELA CELLS, metabolism/ HUMAN/ *PREDNISOLONE, pharmacodynamics/ TIME FACTORS
2585. Menchaca JR, García Revaldería ML: Biopsia rápida por congelación y nódulo del tiroides (doscientos cincuenta casos). Rev Clin Esp 131:225-8, 15 Nov 73 (Spa)
*BIOPSY/ ENGLISH ABSTRACT/ *FREEZING/ *GOITER, NODULAR, diagnosis/ HUMAN/ METHODS/ THYROID NEOPLASMS, diagnosis
2586. Mendilaharsu H, Gregory T, Gardner LI: Iatrogenic Cushing's disease in a boy after misdiagnosis of salt-losing virilizing adrenal hyperplasia: Impaired metyrapone response with failure of catch-up growth. J Pediatr 83:69-76, Jul 73
*ADRENAL GLAND HYPOFUNCTION, diagnosis/ *ADRENOGENITAL SYNDROME, diagnosis/ BODY WEIGHT/ BONE DEVELOPMENT/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN/ *CUSHING'S SYNDROME, chemically induced/ DESOXYCORTICOSTERONE, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ FLUDROCORTISONE, adverse effects/ *GLUCOCORTICOIDS, adverse effects/ *GROWTH DISORDERS, chemically induced/ HUMAN/ HYDROCORTISONE, adverse effects/ HYDROCORTISONE, blood/ INFANT/ INFANT, NEWBORN/ INSULIN, diagnostic use/ 17-KETOSTEROIDS, urine/ MALE/ METHYLPREDNISOLONE, adverse effects/ METYRAPONE, diagnostic use/ *MINERALOCORTICOIDS, adverse effects/ PITUITARY-ADRENAL FUNCTION TESTS/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion
2587. Menof P: The thyroid and atherosclerotic arterial disease. S Afr Med J 47:2315-25, 8 Dec 73
ADULT/ AGED/ ANIMAL EXPERIMENTS/ *ARTERIOSCLEROSIS, etiology/ CATS/ CORONARY DISEASE, blood/ DOGS/ FEMALE/ GUINEA PIGS/ HAMSTERS/ HUMAN/ HYPERLIPEMIA, complications/ HYPERLIPEMIA, drug therapy/ HYPERTENSION, complications/ HYPERTENSION, drug therapy/ HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, complications/ LIPIDS, blood/ MALE/ MICE/ MIDDLE AGE/ MYXEDEMA, blood/ MYXEDEMA, drug therapy/ RATS/ THYROID HORMONES, therapeutic use
2588. Men'shikov VV, Buniatian AF, Bazhanova LP, et al: Izuchenie protsessov svyazyvaniya kortikosteroidov transkortinom u beremennykh s nefropatiei. Sov Med 35:34-8, Dec 72 (Rus)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ GEL FILTRATION/ HUMAN/ 11-HYDROXYCORTICOSTEROIDS, blood/

AUTHOR SECTION

- *11-HYDROXYCORTICOSTEROIDS, metabolism/
 *KIDNEY DISEASES, metabolism/ LABOR/
 PREGNANCY/ *PREGNANCY
 COMPLICATIONS, metabolism/
 *TRANSCORTIN, metabolism
2589. Mercer DW: Separation of tissue and serum creatine kinase isoenzymes by ion-exchange column chromatography. Clin Chem 20:36-40, 1974
 ALCOHOLISM, blood/ AUTOPSY/ BRAIN, enzymology/ CEREBROVASCULAR DISORDERS, blood/ CHROMATOGRAPHY, ION EXCHANGE/ CHRONIC DISEASE/ COMPARATIVE STUDY/ CREATINE KINASE, blood/ *CREATINE KINASE, isolation & purification/ DRUG STABILITY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EVALUATION STUDIES/ HEAT/ HUMAN/ HYPOTHYROIDISM, blood/ ISOENZYMES, blood/ *ISOENZYMES, isolation & purification/ KIDNEY FAILURE, ACUTE, blood/ LUNG DISEASES, blood/ METHODS/ MUSCLES, enzymology/ MYOCARDIAL INFARCT, blood/ MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ SPECTROPHOTOMETRY, ULTRAVIOLET
2590. Merceron RE: Kalzitinin-Physiologie und therapeutische Anwendungsmöglichkeiten. Munch Med Wochenschr 115:1589-94, 21 Sep 73 (Ger)
 BONE AND BONES, metabolism/
 CALCITONIN, metabolism/ CALCITONIN, physiology/ CALCITONIN, secretion/
 *CALCITONIN, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY, metabolism/ OSTEITIS DEFORMANS, drug therapy/ OSTEOPOROSIS, drug therapy/ THYROID GLAND, secretion
2591. Mermet-Bouvier R: Analysis of the photochemical isomers of ergosterol by column chromatography. Anal Chem 45:584-5, Mar 73
 CHROMATOGRAPHY, ION EXCHANGE/
 *ERGOSTEROL, analysis/ GELS/ ISOMERISM/
 *PHOTOCHEMISTRY/ SILICA/ STEROLS, isolation & purification/ ULTRAVIOLET RAYS
2592. Merwe AM van der, Falkson G, Sandison AG, et al: Advanced lung cancer: A clinical trial of radiotherapy plus two drug combination regimens. S Afr Med J 47:2219-22, 24 Nov 73
 ADENOCARCINOMA, therapy/ AMIDES, therapeutic use/ ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CARCINOMA, mortality/
 *CARCINOMA, therapy/ CARCINOMA, EPIDERMOID, therapy/ CARCINOMA, OAT CELL, therapy/ COBALT RADIOISOTOPES/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FLUOROURACIL, therapeutic use/ HUMAN/ HYDROXYUREA, therapeutic use/ IMIDAZOLES, therapeutic use/ LUNG NEOPLASMS, mortality/ *LUNG NEOPLASMS, therapy/ MECHLORETHAMINE, therapeutic use/ NITROSOUREA COMPOUNDS, therapeutic use/ *RADIOISOTOPE THERAPY/ REMISSION/ TRIAZENES, therapeutic use/ VINCRISTINE, therapeutic use
2593. Messer HH, Armstrong WD, Singer L: Effect of maternal fluoride intake on preweaning bone fluoride concentrations in mice. J Dent Res 53:145, Jan-Feb 74
 ANIMAL EXPERIMENTS/ BONE AND BONES, analysis/ BONE AND BONES, metabolism/
 *BONE DEVELOPMENT, drug effects/
 FEMALE/ FLUORIDES, analysis/
 FLUORIDES, metabolism/ LACTATION, drug effects/ *MATERNAL-FETAL EXCHANGE, drug effects/ MICE/ PREGNANCY
2594. Messow C, Matthiesen T, Dyck J: Vergleich histometrischer Parameter an Rattenschilddrüsen nach Verabreichung von Methylthiouracil. Arzneimittel Forsch 23:1076-9, Aug 73 (Ger)
 ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BIOMETRY/ ENGLISH ABSTRACT/ EPITHELIAL CELLS, analysis/ EPITHELIAL CELLS, drug effects/
 KARYOMETRY/ MALE/ METHODS/
 *METHYLTHIOURACIL, pharmacodynamics/
 RATS/ THYROID GLAND, analysis/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, drug effects
2595. Mešter J, Brunelle R, Jung I, et al: Estrogen-sensitive cells. Hormone receptors in tumors and cells in culture. Exp Cell Res 81:447-52, Oct 73
 ANIMAL EXPERIMENTS/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CASTRATION/ CELL FRACTIONATION/ CELL NUCLEUS, metabolism/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ MICROSCOPY, PHASE CONTRAST/ NEOPLASMS, EXPERIMENTAL/ PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, metabolism/ PROTEIN BINDING/ RATS/ *RECEPTORS, HORMONE/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ TRITIUM
2596. Mestwerdt W, Brandau H, Kley HK, et al: Untersuchungen über den strukturellen und funktionellen Status der Postmenopause-Ovarien bei Korpus- und Kollumkarzinom-Patientinnen. Munch Med Wochenschr 115:1798-805, 12 Oct 73 (Ger)
 AGED/ CELL DIVISION/ CERVIX NEOPLASMS, physiotherapy/
 ENDOMETRIUM, cytology/ ENGLISH ABSTRACT/ ENZYME INDUCTION/ ESTROGENS, biosynthesis/ ESTROGENS, urine/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ 17-KETOSTEROIDS, biosynthesis/ 17-KETOSTEROIDS, urine/ *MENOPAUSE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MITOSIS/ OVARY, enzymology/ *OVARY, physiotherapy/ *UTERINE NEOPLASMS, physiotherapy
2597. Metcalf MG: Use of small samples of urine to follow ovarian and placental changes in progesterone secretion. Am J Obstet Gynecol 117:1041-5, 15 Dec 73
 CHROMATOGRAPHY, GAS/ CREATININE, urine/ FEMALE/ HUMAN/ *OVARY, physiology/ OVULATION/ *PLACENTA, physiology/ PREGNANCY/ *PREGNANEDIOL, urine/ *PROGESTERONE, secretion/ TIME FACTORS
2598. Meyer DC, Sturkie PD, Gross K: Diurnal rhythm in serotonin of blood and pineals of chickens. Comp Biochem Physiol [A] 46:619-23, 1 Nov 73
 ANIMAL EXPERIMENTS/ *CHICKENS/ *CIRCADIAN RHYTHM/ FEMALE/ MALE/ *PINEAL BODY, metabolism/ SEROTONIN, blood/ *SEROTONIN, metabolism/ SEX FACTORS
2599. Meyer H, Scholz H: Untersuchungen zur Pathogenese der hypomagnesaemischen Tetanie. 3. Die Toleranz von Schafen mit unterschiedlicher Mg-Versorgung gegenüber parenteralen NH₃-Gaben. Dtsch Tierärztl Wochenschr 80:441-4, 1 Oct 73 (Ger)
 *AMMONIA, administration & dosage/
 AMMONIA, metabolism/ ANIMAL EXPERIMENTS/ DRUG INTERACTIONS/ DRUG TOLERANCE/ ENGLISH ABSTRACT/ FEMALE/ INFUSIONS, PARENTERAL/ *MAGNESIUM, administration & dosage/ MAGNESIUM DEFICIENCY, complications/ SHEEP/ *SHEEP DISEASES, etiology/ TETANY, etiology/ *TETANY, veterinary
2600. Meyer RB Jr, Shuman DA, Robins RK, et al: Synthesis and enzymic studies of 5-aminimidazole and N-1-and N-6-substituted adenine ribonucleoside cyclic 3',5'-phosphates prepared from adenosine cyclic 3',5'-phosphate. J Med Chem 16:1319-23, Dec 73
 *ADENINE NUCLEOTIDES, chem synthesis/
 ADENINE NUCLEOTIDES, pharmacodynamics/
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMINES, chem synthesis/
 ANIMAL EXPERIMENTS/ BRAIN, enzymology/ CATTLE/ ENZYME ACTIVATION, drug effects/ *IMIDAZOLES, chem synthesis/
 IMIDAZOLES, pharmacodynamics/ IN VITRO/ KIDNEY, enzymology/ LUNG, enzymology/

AUTHOR SECTION

- MYOCARDIUM, enzymology/ *NUCLEOTIDES, CYCLIC, chem synthesis/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ PHOSPHORUS RADIOISOTOPES/ PROTEIN KINASE, metabolism/ RABBITS/ *RIBONUCLEOTIDES, chem synthesis/ RIBONUCLEOTIDES, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET
2601. Meyerson BJ, Lindström LH: Sexual motivation in the female rat. A methodological study applied to the investigation of the effect of estradiol benzoate. *Acta Physiol Scand [Suppl]* 389:1-80, 1973
ANIMAL COMMUNICATION/ ANIMAL EXPERIMENTS/ BENZOATES/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENVIRONMENT, CONTROLLED/ ESCAPE REACTION/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ INFRARED RAYS/ INJECTIONS, SUBCUTANEOUS/ LIGHT/ MALE/ *MOTIVATION, drug effects/ MOTOR ACTIVITY, drug effects/ NOISE/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ SOCIAL BEHAVIOR/ STIMULATION, CHEMICAL/ TIME FACTORS/ VAGINAL SMEARS/ WATER DEPRIVATION
2602. Meyhöfer W: Auswirkungen von Cytostatika auf die Spermatogenese. *Andrologie* 5:107-8, 1973 (Ger)
ANIMAL EXPERIMENTS/ *CYCLOPHOSPHAMIDE, pharmacodynamics/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ *FERTILITY, drug effects/ MALE/ MICE/ *PROCARBAZINE, pharmacodynamics/ *SPERMATOGENESIS, drug effects/ SPERMATOZOA, cytology/ SPERMATOZOA, drug effects/ STAINS AND STAINING/ TESTIS, cytology/ TIME FACTORS
2603. Mezhenina EP, Suslova OA, Stetsula VI, et al: Redkaya forma patologicheskoy lomkosty koster. *Ortop Travmatol Protez* 34:44-8, May 73 (Rus)
ADOLESCENCE/ BONE NEOPLASMS, diagnosis/ CALCINOSIS, complications/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ *OSTEOGENESIS IMPERFECTA, diagnosis/ OSTEOGENESIS IMPERFECTA, etiology/ OSTEOGENESIS IMPERFECTA, radiography
2604. Mezinova NN: Sopotavleniye dannykh kol'potsitologicheskikh i biokhimicheskikh issledovaniy funktsii laichnikov u bol'nykh s giperplasticheskimi protsessami matki i molochnykh zhelez. *Akush Ginekol (Mosk)* 49:50-1, Aug 73 (Rus)
ADENOFIBROMA, diagnosis/ ADULT/ BREAST DISEASES, diagnosis/ BREAST NEOPLASMS/ COMPARATIVE STUDY/ *ENDOMETRIAL HYPERPLASIA, diagnosis/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARY, physiopathology/ VAGINAL SMEARS
2605. Michael RP, Wilson M: Changes in the sexual behaviour of male rhesus monkeys (M. mulatta) at puberty. Comparisons with the behaviour of adults. *Folia Primatol (Basel)* 19:384-403, May 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ CASTRATION/ COITUS/ COMPARATIVE STUDY/ DENTITION/ EJACULATION/ ESTRADIOL, administration & dosage/ FEMALE/ HOUSING, ANIMAL/ INJECTIONS, SUBCUTANEOUS/ *MACACA, physiology/ MALE/ MONKEYS/ ORGAN WEIGHT/ PIGMENTATION/ *PUBERTY/ SCROTUM/ *SEX BEHAVIOR, ANIMAL/ SPERMATOZOA, cytology/ TESTIS, anatomy & histology/ TIME FACTORS
2606. Michalany J, Galindo W: Classification of neuromas of the appendix. *Beltr Pathol* 150:213-28, Dec 73
APPENDICEAL NEOPLASMS, classification/ *APPENDICEAL NEOPLASMS, pathology/ CARCINOID TUMOR/ CHROMAFFIN SYSTEM, metabolism/ HUMAN/ NEUROFIBRILS/ NEUROMA, classification/ *NEUROMA, pathology/ SCHWANN CELLS/ SEROTONIN, hiosynthesis/ STAINS AND STAINING
2607. Michalowski R, Kucharska D: Sposrozenia nad miejscowym leczeniem wybranych chorób skóry łhion gluzowych 17-walerianlanem betametonu. *Pol Tyg Lek* 28:1822-4, 12 Nov 73 (Pol)
ADMINISTRATION, TOPICAL/ ADULT/ *BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ OCCLUSIVE DRESSINGS/ *SKIN DISEASES, drug therapy/ VALERATES, administration & dosage/ VALERATES, therapeutic use
2608. Midak E: Modification by PGE1 of contractile effects of catecholamines and acetylcholine on isolated human nonpregnant myometrium. *Acta Physiol Pol* 24:841-8, Nov-Dec 73
*ACETYLCHOLINE, antagonists & inhibitors/ DEPRESSION, CHEMICAL/ *EPINEPHRINE, antagonists & inhibitors/ FEMALE/ HUMAN/ IN VITRO/ MENSTRUATION/ *MUSCLE CONTRACTION, drug effects/ *NOREPINEPHRINE, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ *UTERUS, drug effects
2609. Miecznikowski A, Schmidt M, Pośpiech J: Badania nad aktywnością niektórych hydrolaz lizosomalnych w łożysku i płynie owodniowym w ciążach fizjologicznych i patologicznych. *Ginekol Pol* 44:1265-71, Nov 73 (Pol)
AMNIOTIC FLUID, cytology/ *AMNIOTIC FLUID, enzymology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROLASES, metabolism/ *LYSOSOMES, enzymology/ PLACENTA, cytology/ *PLACENTA, enzymology/ *PREGNANCY/ *PREGNANCY COMPLICATIONS, enzymology
2610. Miętkiewski K, Fichna P: Influence of endoxan on the rat testis. *Folia Morphol (Warsz)* 32:445-55, Oct 73
ANIMAL EXPERIMENTS/ CELL DIVISION, drug effects/ *CYCLOPHOSPHAMIDE, adverse effects/ MALE/ RATS/ *TESTIS, drug effects/ TESTIS, pathology/ TIME FACTORS
2611. Miętkiewski K, Zabel M, Linke K: Some histochemical reactions of C cells in the rabbit thyroid gland. *Folia Morphol (Warsz)* 32:245-9, Jul 73
ANIMAL EXPERIMENTS/ *CALCITONIN/ CALCITONIN, analysis/ CYTOPLASM, analysis/ ESTERASES, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ MALE/ RABBITS/ *STAINS AND STAINING/ *THYROID GLAND, cytology/ THYROID GLAND, enzymology
2612. Migala A, Agostini B, Hasselbach W: Tryptic fragmentation of the calcium transport system in the sarcoplasmic reticulum. *Z Naturforsch [C]* 28:178-82, Mar-Apr 73
ADENOSINE TRIPHOSPHATASE/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ MEMBRANES/ MOLECULAR WEIGHT/ PROTEINS/ RABBITS/ SARCOPLASMIC RETICULUM, enzymology/ *SARCOPLASMIC RETICULUM, metabolism/ TRYPSIN
2613. Migunova NA, Nikiforova NV, Ermolenko VM, et al: Tirokal'tsintonin i ego klinicheskoe primenenie. *Sov Med* 36:34-8, Apr 73 (54 ref.) (Rus)
AGED/ ALKALINE PHOSPHATASE, blood/ ANIMAL EXPERIMENTS/ BONE NEOPLASMS, drug therapy/ *CALCITONIN/ CALCITONIN, antagonists & inhibitors/ CALCITONIN, pharmacodynamics/ CALCITONIN, therapeutic use/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERCALCEMIA, drug therapy/ HYPERPARATHYROIDISM, drug therapy/ MIDDLE AGE/ NATRIURESIS, drug effects/ NEOPLASM METASTASIS/ OSTEITIS DEFORMANS, drug therapy/ OSTEOPOROSIS, drug therapy/ PARATHYROID NEOPLASMS, drug therapy/ PHOSPHORUS, blood/ REVIEW/ THEOPHYLLINE, pharmacodynamics

AUTHOR SECTION

2614. Mihail N, Glurgea R: Dinamica glicemiei și sensibilitatea la glucoză și insulină la porumbelul pancreatctomizat.
Stud Cercet Endocrinol 24:503-8, 1973 (Rum)
ANIMAL EXPERIMENTS/ *BLOOD SUGAR, biosynthesis/ BODY WEIGHT/ ENDOCRINE DISEASES, etiology/ *GLUCOSE TOLERANCE TEST/ HYPERTROPHY/ *INSULIN, pharmacodynamics/ INTESTINAL DISEASES, etiology/ MUSCULAR ATROPHY, etiology/ *PANCREATECTOMY/ PANCREATECTOMY, adverse effects/ PECTORALIS MUSCLES/ PIGEONS/ POSTOPERATIVE COMPLICATIONS
2615. Mikhaïlov AP, Dzburovich VM, Kuzhbalova MP: K otsenke mlasa losef-kastratov.
Veterinarila 7:97-8, Jul 73 (Rus)
ANIMAL EXPERIMENTS/ *ARTIODACTYLA/ *CASTRATION, veterinary/ MALE/ *MEAT, analysis
2616. Mikkelsen TJ, Chrai SS, Robinson JR: Competitive inhibition of drug-protein interaction in eye fluids and tissues. J Pharm Sci 62:1942-5, Dec 73
ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BIOPHARMACEUTICS/ CETYLPIRIDINIUM, pharmacodynamics/ CORNEA, drug effects/ DIALYSIS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG ANTAGONISM/ *DRUGS, metabolism/ ETHYLENEDIAMINES, metabolism/ *EYE, metabolism/ *EYE PROTEINS, metabolism/ IN VITRO/ MALE/ METHYLPREDNISOLONE, metabolism/ MIOTICS, pharmacodynamics/ NAPHTHALENES, metabolism/ PILOCARPINE, pharmacodynamics/ PROTEIN BINDING, drug effects/ RABBITS/ SERUM ALBUMIN, metabolism/ SULFISOXAZOLE, metabolism/ SURFACE-ACTIVE AGENTS, pharmacodynamics/ TIME FACTORS
2617. Millar JG, Kurtz A, Amlinoff MJ, et al: Proceedings: L-DOPA as a test of anterior pituitary function. J Endocrinol 59:xxv-xxvi, Nov 73
CORTICOTROPIN, blood/ *DOPA, diagnostic use/ HUMAN/ HYDROCORTISONE, blood/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY DISEASES, blood/ *PITUITARY GLAND FUNCTION TESTS/ SOMATOTROPIN, blood
2618. Millar KG, Mills P, Baines MG: A study of the influence of pregnancy on the thymus gland of the mouse. Am J Obstet Gynecol 117:913-8, 1 Dec 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ GESTATIONAL AGE/ MATERNAL AGE/ MICE/ ORGAN WEIGHT/ PREGNANCY/ *THYMUS GLAND, anatomy & histology/ THYMUS GLAND, cytology/ THYMUS GLAND, immunology
2619. Miller BG: Metabolism of RNA and pyrimidine nucleotides in the uterus during the early decidua cell reaction. J Endocrinol 59:275-83, Nov 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CASTRATION/ CYTIDINE, metabolism/ CYTOSINE NUCLEOTIDES, metabolism/ DECIDUA, drug effects/ *DECIDUA, metabolism/ DNA, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ ORGAN WEIGHT/ OTIC ACID, metabolism/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *PYRIMIDINE NUCLEOTIDES, metabolism/ *RNA, metabolism/ SESAME OIL, pharmacodynamics/ TIME FACTORS/ TRITIUM/ URACIL NUCLEOTIDES, metabolism/ URIDINE, metabolism/ *UTERUS, metabolism
2620. Miller HC, Hassanein K: Maternal factors in "fetally malnourished" black newborn infants. Am J Obstet Gynecol 118:82-7, 1 Jan 74
ADOPTION/ BIRTH WEIGHT/ BODY HEIGHT/ BODY WEIGHT/ CHRONIC DISEASE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MARRIAGE/ *MATERNAL WELFARE/ MENTAL DISORDERS, complications/ *NEGROID RACE/ OBESITY, complications/ *PLACENTA DISORDERS, etiology/ PREGNANCY/ PREGNANCY TOXEMIAS, complications/ PRENATAL CARE
2621. Miller JD, Eakins KE, Atwal M: The release of PGE2-like activity into aqueous humor after paracentesis and its prevention by aspirin. Invest Ophthalmol 12:939-42, Dec 73
ANIMAL EXPERIMENTS/ ANTERIOR CHAMBER, surgery/ AQUEOUS HUMOR/ AQUEOUS HUMOR, analysis/ ASPIRIN, administration & dosage/ *ASPIRIN, pharmacodynamics/ CHROMATOGRAPHY, PAPER/ DRAINAGE/ EYE PROTEINS, analysis/ FEMALE/ IN VITRO/ MALE/ PREMEDICATION/ PROSTAGLANDINS, analysis/ *PROSTAGLANDINS, biosynthesis/ *PUNCTURES, adverse effects/ RABBITS/ RECTUM/ UVEA, analysis/ *UVEA, metabolism
2622. Miller JP, Boswell KH, Muneyama K, et al: Activity of tubercidin-, toyocmycin-, and sangivamycin-3',5'-cyclic phosphates and related compounds with some enzymes of adenosine-3',5'-cyclic phosphate metabolism. Biochem Biophys Res Commun 55:843-9, 10 Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ BRAIN, enzymology/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPARATIVE STUDY/ ENZYME ACTIVATION/ HEART, drug effects/ KINETICS/ MYOCARDIUM, enzymology/ NITRILES, metabolism/ *NUCLEOTIDES, CYCLIC, metabolism/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ ORGAN SPECIFICITY/ *PHOSPHODIESTERASES, metabolism/ *PROTEIN KINASE, metabolism/ PYRROLES, metabolism/ *RIBONUCLEOTIDES, metabolism/ RIBONUCLEOTIDES, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET/ STRUCTURE-ACTIVITY RELATIONSHIP
2623. Miller JP, Boswell KH, Muneyama K, et al: Synthesis and biochemical studies of various 8-substituted derivatives of guanosine 3',5'-cyclic phosphate, inosine 3',5'-cyclic phosphate, and xanthosine 3',5'-cyclic phosphate. Biochemistry 12:5310-9, 18 Dec 73
ALCOHOLS/ AMINES/ ANIMAL EXPERIMENTS/ BENZENE DERIVATIVES/ BENZYL COMPOUNDS/ CATTLE/ CHEMISTRY/ DEAMINATION/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ HYDROGENATION/ *INOSINE NUCLEOTIDES, metabolism/ LOBSTERS/ LUNG, enzymology/ METHYLAMINES/ MYOCARDIUM, enzymology/ *NUCLEOTIDES, CYCLIC, metabolism/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ PROTEIN KINASE, metabolism/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP/ SULFIDES
2624. Miller RW: Proceedings: New hypotheses on the etiology of cancer. Proc Natl Cancer Conf 7:653-6, 1973 (21 ref.)
ABNORMALITIES, complications/ CHILD/ ESTROGENS, physiology/ FEMALE/ HUMAN/ NEOPLASMS, chemically induced/ NEOPLASMS, complications/ *NEOPLASMS, etiology/ NEOPLASMS, familial & genetic/ NEOPLASMS, RADIATION-INDUCED/ REVIEW/ VIRUS DISEASES
2625. Mims RB: Plasma ACTH in the adrenalectomized rat. Horm Metab Res 5:368-71, Sep 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ *CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ FEMALE/ RATS/ STRESS, blood/ STRESS, metabolism/ TIME FACTORS
2626. Mininberg DT, Bingol N: Chromosomal abnormalities in undescended testes. Urology 1:98-101, Feb 73
ADOLESCENCE/ ADULT/ AGED/ CATTLE/

AUTHOR SECTION

- CHILD/ CHILD, PRESCHOOL/
CRYPTORCHISM, etiology/ *CRYPTORCHISM,
etiology/ CRYPTORCHISM, familial & genetic/
HUMAN/ MALE/ MIDDLE AGE/
PRECANCEROUS CONDITIONS, familial &
genetic/ SCROTUM/ *SEX CHROMOSOME
ABNORMALITIES, complications/ SEX
CHROMOSOME ABNORMALITIES, familial &
genetic/ SEX CHROMOSOME
ABNORMALITIES, occurrence/ TESTICULAR
NEOPLASMS, familial & genetic
2627. Minozzi M, Faggiano M, Lombardi G, et al:
Somatotrophic and corticotrophic functions in
primary hypothyroidism before and after thyroxine
treatment. *Acta Endocrinol (Kbh)* 74:483-91, Nov 73
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, blood/ ARGININE,
diagnostic use/ CHILD/ *CORTICOTROPIN,
blood/ FEMALE/ HUMAN/
HYDROCORTISONE, blood/
*HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, drug therapy/ INSULIN,
diagnostic use/ MALE/ METYRAPONE,
diagnostic use/ RADIOIMMUNOASSAY/
*SOMATOTROPIN, blood/ STIMULATION,
CHEMICAL/ *THYROXINE, therapeutic use/
TIME FACTORS
2628. Mironneau J: Excitation-contraction coupling in
voltage clamped uterine smooth muscle.
J Physiol (Lond) 233:127-41, Aug 73
*ACTION POTENTIALS/ ANIMAL
EXPERIMENTS/ BIOLOGICAL TRANSPORT,
ACTIVE/ CALCIUM, metabolism/ IN VITRO/
IPROVERATRIL, pharmacodynamics/
LANTHANUM, pharmacodynamics/ MALE/
MANGANESE, pharmacodynamics/ *MUSCLE
CONTRACTION/ MUSCLE CONTRACTION,
drug effects/ *MUSCLE, SMOOTH, physiology/
NEUROMUSCULAR DEPOLARIZING AGENTS,
pharmacodynamics/ RATS/ *UTERUS,
physiology
2629. Mirvish SS, Sams J, Fan TY, et al: Kinetics of
nitrosation of the amino acids proline,
hydroxyproline, and sarcosine.
J Natl Cancer Inst 51:1833-9, Dec 73
BUFFERS/ CHEMISTRY/ CHLORIDES/
HYDROGEN-ION CONCENTRATION/
*HYDROXYPROLINE/ KINETICS/ *NITROSO
COMPOUNDS, chem synthesis/ PERCHLORIC
ACIDS/ *PROLINE/ *SARCOSINE/
THIOCYANATES
2630. Misgeld V: "Pemphiguskrankheiten". Betrachtungen
zur Nosologie, Ätiopathogenese und Behandlung.
Hautarzt 24:372-7, Sep 73 (116 ref.) (Ger)
ADRENAL CORTEX HORMONES, therapeutic
use/ AUTOANTIBODIES/ AUTOANTIGENS/
DIAGNOSIS, DIFFERENTIAL/ FLUORESCENT
ANTIBODY TECHNIC/ HUMAN/
IMMUNOGLOBULINS, analysis/
IMMUNOSUPPRESSIVE AGENTS, therapeutic
use/ *PEMPHIGUS/ PEMPHIGUS,
classification/ PEMPHIGUS, diagnosis/
PEMPHIGUS, drug therapy/ PEMPHIGUS,
etiology/ PEMPHIGUS, immunology/
PEMPHIGUS, pathology/ PROGNOSIS/
REVIEW
2631. Mishler JM: Adverse reactions associated with heparin
therapy for ischemic heart disease and
thromboprophylaxis.
Am J Hosp Pharm 30:1158-61, Dec 73
ANGINA PECTORIS, drug therapy/
ARTERIOSCLEROSIS, drug therapy/
*CORONARY DISEASE, drug therapy/
DOSE-RESPONSE RELATIONSHIP, DRUG/
HEPARIN, administration & dosage/
*HEPARIN, adverse effects/ HEPARIN,
therapeutic use/ HUMAN/
HYPERCHOLESTEREMIA, drug therapy/
HYPERLIPIDEMIA, drug therapy/ MYOCARDIAL
INFARCT, drug therapy/ OSTEOPOROSIS,
chemically induced/ PLASMAPHERESIS/
THROMBOPHLEBITIS, drug therapy/
*THROMBOPHLEBITIS, drug therapy/ TIME
FACTORS
2632. Mitchell G, Rosendorff C, Scriven DR: The effect of
catecholamines and catecholamine inhibitors on
hypothalamic vascular tone.
J Physiol (Lond) 233:30P-32P, Aug 73
ANIMAL EXPERIMENTS/
CATECHOLAMINES, pharmacodynamics/
HYDROXYDOPAMINE, pharmacodynamics/
*HYPOTHALAMUS, blood supply/
HYPOTHALAMUS, drug effects/ RABBITS/
RECEPTORS, ADRENERGIC/ REGIONAL
BLOOD FLOW, drug effects/ RESERPINE,
pharmacodynamics/ VASOCONSTRICTOR
AGENTS, pharmacodynamics
2633. Mitchell HC: Effect of estrogens and a progestogen on
platelet adhesiveness and aggregation in rabbits.
J Lab Clin Med 83:79-89, Jan 74
ADENOSINE DIPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
COLLAGEN, pharmacodynamics/
CYCLOPENTANE, pharmacodynamics/
DEPRESSION, CHEMICAL/
DIETHYLSTILBESTROL, administration &
dosage/ DIETHYLSTILBESTROL,
pharmacodynamics/ ESTRADIOL,
pharmacodynamics/ ESTROGENIC
SUBSTANCES, CONJUGATED, administration
& dosage/ ESTROGENIC SUBSTANCES,
CONJUGATED, pharmacodynamics/
*ESTROGENS, pharmacodynamics/ FEMALE/
MALE/ MEDROGESTONE, administration &
dosage/ MEDROGESTONE, pharmacodynamics/
*PLATELET ADHESIVENESS, drug effects/
*PREGNADIENES, pharmacodynamics/
*PROGESTATIONAL HORMONES,
pharmacodynamics/ PROPIONATES,
pharmacodynamics/ RABBITS
2634. Mitev IP, Angelov AM, Kryshkova AM, et al:
Ekstratireoidniy efekt metilmerkaptolimidazola. II.
Vliyanie metilmerkaptolimidazola na
aktivnost'nekotorykh fermentov pecheni i pochek
normal'nykh i tireoidektomirovannykh morskikh
svinok.
Probl Endokrinol (Mosk) 19:107-10, Nov-Dec 73 (Rus)
ALANINE AMINOTRANSFERASE, metabolism/
ANIMAL EXPERIMENTS/ ASPARTATE
AMINOTRANSFERASE, metabolism/ ENGLISH
ABSTRACT/ GLUCOSEPHOSPHATE
DEHYDROGENASE, metabolism/ GLUTAMATE
DEHYDROGENASE, metabolism/ GUINEA
PIGS/ ISOCITRATE DEHYDROGENASE,
metabolism/ *KIDNEY, drug effects/ *LIVER,
drug effects/ MALATE DEHYDROGENASE,
metabolism/ MALE/ *METHIMAZOLE,
pharmacodynamics/ NADP, metabolism/
*THYROIDECTOMY
2635. Mitlaeva NA: O giperplazii zobnoy zbeley u detei
rannego vozrasta, umersabk skoropostizbno.
Sud Med Ekspert 16:8-14, Apr-Jun 73 (Rus)
AUTOPSY/ CHILD, PRESCHOOL/ *DEATH,
SUDDEN/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ HYPERPLASIA, pathology/ INFANT/
LYMPH NODES, pathology/ MALE/ THYMUS
HYPERPLASIA, pathology/ *THYROID
DISEASES, pathology
2636. Mitra SC, Venkataraman G: Endocrine glands in
anencephaly. *Indian J Pediatr* 40:248-51, Jul 73
*ANENCEPHALUS, pathology/ CLIMATE/
*ENDOCRINE GLANDS, pathology/ ETHNIC
GROUPS/ FEMALE/ HUMAN/ INDIA/
INFANT, NEWBORN/ MALE/ ORGAN
WEIGHT
2637. Mitrofanova GF: Vliyanie korotkovolnovykh
ul'trafioletovykh luchei na funktsiiu kory
nadpochechnikov i sostoianie simpatiko-adrenalovoi
sistemy pri kompleksnom lechenii bol'nykh
kronicheskimi bronkhitom.
Vopr Kurortol Fizioter Lech Fiz Kult 38:463-8, 1973
(Rus)
ADOLESCENCE/ ADRENAL GLANDS,
physiopathology/ *ADRENAL GLANDS,
radiation effects/ ADULT/ BRONCHITIS,
physiopathology/ *BRONCHITIS, therapy/
CHRONIC DISEASE/ FEMALE/ HUMAN/
INHALATION THERAPY/ MALE/ MIDDLE
AGE/ RADIATION EFFECTS/ SYMPATHETIC

AUTHOR SECTION

- NERVOUS SYSTEM, physiopathology/
SYMPATHETIC NERVOUS SYSTEM, radiation
effects/ *ULTRAVIOLET THERAPY
2638. Mitschke H, Saeger W: Zur Ultrastruktur der
atrophischen Nebennierenrinde bei dissoziierter,
sekundärer Nebennierenrindeninsuffizienz.
Virchows Arch [Pathol Anat] 381:217-28, 27 Nov 73
(Ger)
- ADENOMA, complications/ ADRENAL GLAND
HYPOFUNCTION, etiology/ *ADRENAL
GLAND HYPOFUNCTION, pathology/
ADRENAL GLAND NEOPLASMS,
complications/ *ADRENAL GLANDS,
pathology/ ATROPHY/ CARCINOMA,
complications/ CUSHING'S SYNDROME,
complications/ ENDOPLASMIC RETICULUM/
ENGLISH ABSTRACT/ HUMAN/
MICROSCOPY, ELECTRON/ MITOCHONDRIA
2639. Mitsuhashi S: [Prostaglandins and renal function]
Jap J Urol 64:705-8, Sep 73 (Jap)
- ANIMAL EXPERIMENTS/ DOGS/ HUMAN/
*KIDNEY, drug effects/ KIDNEY, physiology/
*PROSTAGLANDINS, pharmacodynamics
2640. Mitsui K, Neyazaki T, Kimura S, et al: [Selective thymic
venography. 2. Diagnostic significance in thymoma]
Jap J Clin Radiol 18:811-8, Sep 73 (Jap)
- AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE
AGE/ *PHLEBOGRAPHY/ *THYMOMA,
radiography/ *THYMUS GLAND, blood supply/
*THYMUS NEOPLASMS, radiography
2641. Mitty HA, Nicolls GL, Gabrilove JL: Adrenal
venography: clinical-roentgenographic correlation in
80 patients.
Am J Roentgenol Radium Ther Nucl Med 119:584-75,
Nov 73
- ADOLESCENCE/ *ADRENAL GLAND
NEOPLASMS, radiography/ *ADRENAL
GLANDS, blood supply/ ADRENAL GLANDS,
radiography/ ADULT/ AGED/
CATHETERIZATION/ CUSHING'S SYNDROME,
diagnosis/ *CUSHING'S SYNDROME,
radiography/ FEMALE/ *GYNECOMASTIA,
radiography/ HUMAN/
*HYPERALDOSTERONISM, radiography/
MALE/ MIDDLE AGE/
*PHEOCHROMOCYTOMA, radiography/
*PHLEBOGRAPHY/ *VIRILISM, radiography
2642. Miyake Y: Cytogenetical studies on swine Intersexes.
Jap J Vet Res 21:41-50, Jul 73
- ANIMAL EXPERIMENTS/ FEMALE/
HERMAPHRODITISM, familial & genetic/
HERMAPHRODITISM, pathology/
*HERMAPHRODITISM, veterinary/
KARYOTYPING/ MALE/ SEX CHROMATIN/
SWINE/ *SWINE DISEASES, familial &
genetic
2643. Mizuno M: [Pregnancy and thyroid diseases]
Jap J Midwife 27:50-3, Sep 73 (Jap)
- SPECIAL LIST NURSING/ THYROID
DISEASES
2644. Moamai N: Sur le passage á l'acute. (Aspects
dynamiques et neurophysiologiques.
Vie Med Can Fr 2:812-4, Sep 73 (Fr)
- *ACTING OUT/ HUMAN/ HYPOTHALAMUS,
physiology/ LIMBIC SYSTEM, physiology/
*NEUROPHYSIOLOGY
2645. Mobbs BG, Johnson IE, Connolly JG: Influence of the
adrenal gland on prostatic activity in adult rats.
J Endocrinol 59:335-44, Nov 73
- *ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
BODY WEIGHT/ CASTRATION/ CITRATES,
analysis/ CORTICOSTERONE, metabolism/
DIAPHRAGM, analysis/ DNA, analysis/ MALE/
ORGAN WEIGHT/ *PROSTATE, analysis/
RATS/ RNA, analysis/ SEMINAL VESICLES,
metabolism/ TESTOSTERONE, metabolism/
TRITIUM
2646. Moberg E, Edelfand HG, Wiklund LG: Prognostic
evaluation of finger joint bony lesions in rheumatoid
arthritis. Scand J Rheumatol 2:139-41, 1973
- ADULT/ *ARTHRITIS, RHEUMATOID,
radiography/ BIOMECHANICS/ *BONE AND
BONES, radiography/ FEMALE/ *FINGER
JOINT/ *FINGERS, radiography/ FOLLOW-UP
STUDIES/ HUMAN/ MALE/ MIDDLE AGE/
MUSCULAR DYSTROPHY, surgery/
PROGNOSIS/ SYNOVIAL MEMBRANE,
surgery/ SYNOVITIS, surgery/ TIME
FACTORS
2647. Modigh K: Effects of isolation and fighting in mice on
the rate of synthesis of noradrenaline, dopamine and
5-hydroxytryptamine in the brain.
Psychopharmacologia 33:1-17, 23 Oct 73
- *AGGRESSION/ ANIMAL EXPERIMENTS/
*BEHAVIOR, ANIMAL/ BENZYL
COMPOUNDS, pharmacodynamics/ *BRAIN,
metabolism/ BRAIN CHEMISTRY,
drug effects/ *DOPAMINE, biosynthesis/
HYDRAZINES, pharmacodynamics/
HYDROXYINDOLEACETIC ACID, metabolism/
MALE/ MICE/ *NOREPINEPHRINE,
biosynthesis/ *SEROTONIN, biosynthesis/
*SOCIAL ISOLATION/ TRYPTOPHAN,
metabolism/ TYROSINE, metabolism
2648. Modigliani R, Rambaud JC, Bernier JJ: The method of
intraluminal perfusion of the human small intestine.
II. Absorption studies in health.
Digestion 9:264-90, Oct 73 (100 ref.)
- AMINO ACIDS, metabolism/ AMMONIA,
metabolism/ BICARBONATES, metabolism/
BILE ACIDS AND SALTS, metabolism/
BIOLOGICAL TRANSPORT/ CALCIUM,
metabolism/ CARBOHYDRATES, metabolism/
CHLORIDES, metabolism/
GASTROINTESTINAL HORMONES,
pharmacodynamics/ HUMAN/
HYDROCORTISONE, metabolism/ ILEUM,
metabolism/ INTESTINAL ABSORPTION/
*INTESTINE, SMALL, metabolism/ ISOTONIC
SOLUTIONS/ JEJUNUM, metabolism/ LIPIDS,
metabolism/ OSMOTIC PRESSURE/
*PERFUSION/ POTASSIUM, metabolism/
PROSTAGLANDINS, pharmacodynamics/
REVIEW/ SODIUM, metabolism/
VASOPRESSIN, pharmacodynamics/ VITAMINS,
metabolism/ WATER-ELECTROLYTE
BALANCE, drug effects
2649. Mogil'nitskiĭ GM, Krasnova LA, Skriabin GK, et al:
Prevrashchenie 21-atsetata veshchestva S
Reikhshteina v gidrokortizon 1 atsetat kortizona s
pomoshch'yu Tieghe-mella orchidis.
Prikl Blokhim Mikrohim 9:240-5, Mar-Apr 73 (Rus)
- ACETATES, biosynthesis/ ACETYLATION/
ALCOHOL, ETHYL/ *CORTISONE,
biosynthesis/ CULTURE MEDIA/ ENGLISH
ABSTRACT/ HYDROCORTISONE, biosynthesis/
*HYDROCORTISONE, metabolism/
HYDROXYLATION/ *PHYCOMYCETES,
metabolism
2650. Mohamed AH, Waterhouse JP, Friederici HH: The
microvasculature of the rabbit gingiva as affected by
progesterone: an ultrastructural study.
J Periodontol 45:50-60, Jan 74
- ANIMAL EXPERIMENTS/ *CAPILLARY
PERMEABILITY, drug effects/
ENDOTHELIUM, cytology/ ENDOTHELIUM,
drug effects/ FEMALE/ FERRITIN/ GINGIVA,
blood supply/ INJECTIONS,
INTRAMUSCULAR/ *MICROCIRCULATION,
drug effects/ MICROSCOPY, ELECTRON/
*PROGESTERONE, pharmacodynamics/
RABBITS/ THORIUM DIOXIDE/ TIME
FACTORS
2651. Mohanty B, DeSouza LJ, Meher-Homji DR: Adenoma of
the lingual thyroid.
J Indian Med Assoc 61:134-8, 1 Aug 73
- *ADENOMA/ ADULT/ CASE REPORT/
FEMALE/ HUMAN/ *THYROID GLAND,
abnormalities/ *THYROID NEOPLASMS/
*TONGUE, abnormalities/ *TONGUE
NEOPLASMS
2652. Mohr U, Schuller H, Reznik G, et al: Breeding of
European hamsters. Lab Anim Sci 23:799-802, Dec 73
- AGGRESSION/ ANIMAL EXPERIMENTS/

AUTHOR SECTION

- *ANIMALS, LABORATORY/ *BREEDING/ ESTRUS, drug effects/ EUROPE/ FEMALE/ GERMANY, WEST/ GONADOTROPINS, EQUINE, pharmacodynamics/ *HAMSTERS, physiology/ HIBERNATION/ HOUSING, ANIMAL/ MALE/ PREGNANCY/ REPRODUCTION/ SEX BEHAVIOR, ANIMAL/ VAGINAL SMEARS/ WEANING
2653. Molraghi P, Cirillo R, Aprà A: Considerazioni su tre casi di sindrome di Weber-Christian. *Minerva Med* 64:4217-23, 10 Nov 73 (Ita) ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBODIES, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNOGLOBULINS, analysis/ MIDDLE AGE/ *PANNICULITIS, NODULAR NONSUPPURATIVE/ PANNICULITIS, NODULAR NONSUPPURATIVE, drug therapy/ PANNICULITIS, NODULAR NONSUPPURATIVE, etiology/ PANNICULITIS, NODULAR NONSUPPURATIVE, immunology
2654. Mole RH: Letter: Fall-out from homh tests. *Br Med J* 4:551, 1 Dec 73 AUSTRALIA/ HUMAN/ *RADIATION DOSAGE/ *RADIOACTIVE FALLOUT/ THYROID NEOPLASMS, etiology
2655. Molfese A: Alcune azioni delle prostaglandine sull'apparato genitale femminile. *Minerva Ginecol* 25:586-93, Oct 73 (Ita) FALLOPIAN TUBES, drug effects/ FEMALE/ *GENITALIA, FEMALE, drug effects/ HUMAN/ MUSCLE, SMOOTH, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ UTERUS, drug effects
2656. Molitch ME, Olli P, Odell WD: Massive hyperlipemia during estrogen therapy. *JAMA* 227:522-5, 4 Feb 74 ACETATES, adverse effects/ ADULT/ CHOLESTEROL, blood/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ *ESTROGENS, adverse effects/ ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ *HYPERLIPEMIA, chemically induced/ HYPERLIPEMIA, complications/ HYPERTENSION, complications/ MENOPAUSE, drug effects/ MESTRANOL, adverse effects/ MIDDLE AGE/ NORTHEINDRONE, adverse effects/ TRIGLYCERIDES, blood
2657. Moll W: Grundlagen der Rheumatologie für den Praktiker. *Med Welt* 24:1726-34, 9 Nov 73 (12 ref.) (Ger) ADRENAL CORTEX HORMONES, therapeutic use/ DIMETHYL SULFOXIDE, therapeutic use/ GOLD, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INDOMETHACIN, therapeutic use/ PHENYLBUTAZONE, therapeutic use/ PHYSICAL THERAPY/ PSYCHOTHERAPY/ REVIEW/ *RHEUMATISM/ RHEUMATISM, classification/ RHEUMATISM, diagnosis/ RHEUMATISM, etiology/ RHEUMATISM, pathology/ RHEUMATISM, prevention & control/ RHEUMATISM, therapy/ SALICYLATES, therapeutic use
2658. Moll W: Placental function and oxygenation in the fetus. *Adv Exp Med Biol* 37:1017-26, 1973 ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ BIOLOGICAL TRANSPORT/ BLOOD FLOW VELOCITY/ CARDIAC OUTPUT/ COMPARATIVE STUDY/ DIFFUSION/ FEMALE/ FETUS/ GUINEA PIGS/ HUMAN/ *LABOR/ MATERNAL-FETAL EXCHANGE/ MODELS, BIOLOGICAL/ MONKEYS/ OXYGEN/ *OXYGEN, blood/ PARTIAL PRESSURE/ PLACENTA, blood supply/ *PLACENTA, physiology/ PREGNANCY/ REGIONAL BLOOD FLOW/ SHEEP/ SPECIES SPECIFICITY/ TIME FACTORS
2659. Möller G, Coutinho A: The allogeneic affect in vitro: activation of antibody synthesis in aggressor and target lymphocyte populations by allogeneic interaction. *Eur J Immunol* 3:703-7, Nov 73 *ANTIBODY FORMATION/ ANTIGENS/ CELLS, CULTURED/ CORTISONE/ *ERYTHROCYTES, immunology/ HEMOLYTIC PLAQUE TECHNIC/ IMMUNIZATION, SECONDARY/ IMMUNOLOGIC MEMORY/ *LYMPHOCYTES, immunology/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ SHEEP, immunology/ SPLEEN, cytology/ THYMUS GLAND, cytology
2660. Moller OM: Progesterone concentrations in the peripheral plasma of the blue fox (*Alopex lagopus*) during pregnancy and the oestrous cycle. *J Endocrinol* 59:429-38, Dec 73 ANIMAL EXPERIMENTS/ CASTRATION/ COITUS/ CORTICOSTERONE, blood/ ESTRUS/ FEMALE/ *FOXES, physiology/ HYDROCORTISONE, blood/ HYDROXYPROGESTERONE, blood/ PREGNANCY/ PREGNANCY, ANIMAL/ PROGESTERONE, blood/ *PROGESTERONE, blood/ PROTEIN BINDING/ TRITIUM
2661. Mollica R, Evan AP, Solomon S, et al: Effect of hypophysectomy-splenectomy on kidney lysozyme level: ultrastructural correlation. *Invest Urol* 11:295-302, Jan 74 ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ HYPOPHYSECTOMY/ *KIDNEY, enzymology/ KIDNEY TUBULES, PROXIMAL, enzymology/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *MURAMIDASE, analysis/ *PITUITARY GLAND, physiology/ RATS/ SPLEEN, enzymology/ *SPLEEN, physiology/ SPLENECTOMY
2662. Möllmann H, Henning W, Relsch J, et al: Topochemischer Nachweis von carboxylhaltigen Verbindungen im Thymus. *Z Zellforsch Mikrosk Anat* 142:465-77, 1973 (Ger) ANIMAL EXPERIMENTS/ CONNECTIVE TISSUE/ ENGLISH ABSTRACT/ FLUORESCENCE/ HISTOCYTOCHEMISTRY/ *KETOSTEROIDS, analysis/ MAST CELLS/ METHODS/ MICROSCOPY, ELECTRON/ RABBITS/ STAINS AND STAINING/ *THYMUS GLAND, analysis
2663. Monahan TM, Fritz RR, Abell CW: Levels of cyclic AMP in murine L5178Y lymphoblasts grown in different concentrations of serum. *Biochem Biophys Res Commun* 55:642-6, 10 Dec 73 *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BLOOD/ CATTLE/ CELL COUNT/ CELL DIVISION/ CELL LINE/ COMPARATIVE STUDY/ CULTURE MEDIA/ FEMALE/ FETUS/ HORSES/ LYMPHOCYTES, growth & development/ *LYMPHOCYTES, metabolism/ MICE/ PHOSPHODIESTERASES/ PREGNANCY/ TIME FACTORS
2664. Moncada S, Ferreira SH, Vane JR: Prostaglandins, aspirin-like drugs and the oedema of inflammation. *Nature* 246:217-9, 23 Nov 73 ANIMAL EXPERIMENTS/ BRADYKININ, pharmacodynamics/ *CARRAGEENAN, antagonists & inhibitors/ DRUG SYNERGISM/ *EDEMA, chemically induced/ HISTAMINE, pharmacodynamics/ *INDOMETHACIN, pharmacodynamics/ *INFLAMMATION, chemically induced/ *PROSTAGLANDINS, pharmacodynamics/ RATS
2665. Monder C, Wang PT: Oxidation of 21-dehydrocorticosteroids to steroidal 20-Oxo-21-ols acids by an aldehyde dehydrogenase of sheep adrenal. *J Biol Chem* 248:8547-54, 25 Dec 73 ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, enzymology/ *ALDEHYDE OXIDOREDUCTASES/ ALDEHYDE OXIDOREDUCTASES, antagonists & inhibitors/

AUTHOR SECTION

- ALDEHYDES/ AMMONIUM SULFATE/
ANIMAL EXPERIMENTS/ ARSENIC/
CYTOSOL, enzymology/ DRUG STABILITY/
ELECTROPHORESIS, DISC/ GEL
FILTRATION/ HYDROGEN-ION
CONCENTRATION/
11-HYDROXYCORTICOSTEROIDS/
KETOSTEROIDS/ KINETICS/ MOLECULAR
WEIGHT/ NAD/ PRECIPITATION/
PREGNENES/ SHEEP/
SPECTROPHOTOMETRY, INFRARED/
SPECTROPHOTOMETRY, ULTRAVIOLET/
STRUCTURE-ACTIVITY RELATIONSHIP/
SULFHYDRYL REAGENTS
2666. Montague DK: Transsexualism.
Urology 2:1-12, Jul 73 (105 ref.)
ADULT/ ANDROGENS, therapeutic use/
ATTITUDE/ CASTRATION/ CHILD/
PRESCHOOL/ CLOTHING/ DIVORCE/
ESTROGENS, therapeutic use/ FEMALE/
HUMAN/ INTELLIGENCE/ MALE/
MATERNAL BEHAVIOR/
PHYSICIAN-PATIENT RELATIONS/
PSYCHOTHERAPY/ REVIEW/ ROLE/ SEX
CHARACTERISTICS/ *TRANSSEXUALISM/
TRANSSEXUALISM, diagnosis/
TRANSSEXUALISM, drug therapy/
TRANSSEXUALISM, etiology/
TRANSSEXUALISM, occurrence/
TRANSSEXUALISM, surgery/
TRANSSEXUALISM, therapy/ UNITED
STATES
2667. Monteleone JA, Monteleone PL, Danis RK:
Pseudoprecocious puberty associated with isolated
follicular cyst of the ovary.
J Pediatr Surg 5:949-50, Dec 73
CHILD, PRESCHOOL/ ESTROGENS, urine/
FALLOPIAN TUBES, surgery/ FEMALE/ FSH,
blood/ HUMAN/ HYDROGEN-ION
CONCENTRATION/
17-HYDROXYCORTICOSTEROIDS, urine/
17-KETOSTEROIDS, urine/ LH, blood/
*OVARIAN CYSTS, complications/ OVARIAN
CYSTS, surgery/ OVARY, surgery/
*PUBERTY, PRECOCIOUS, etiology/
RADIOIMMUNOASSAY/ VAGINA
2668. Moodbidri SB, Sheth AR, Rao SS: Binding of
radiolabeled human placental lactogen to buffalo
corpus luteum in vitro.
J Reprod Fertil 35:453-60, Dec 73
ANIMAL EXPERIMENTS/ ARGININE,
pharmacodynamics/ BUFFALOES/
CENTRIFUGATION/ CHYMOTRYPSIN,
pharmacodynamics/ CLOSTRIDIOPEPTIDASE
A, pharmacodynamics/ *CORPUS LUTEUM,
metabolism/ FEMALE/ FSH, metabolism/
HEAT/ HUMAN/ IN VITRO/ IODINE
RADIOISOTOPES/ LH, metabolism/
MICROSOMES, metabolism/ MITOCHONDRIA,
metabolism/ OSMOLAR CONCENTRATION/
OVARY, metabolism/ PEPTIDE HYDROLASES,
pharmacodynamics/ *PLACENTAL LACTOGEN,
metabolism/ *RECEPTORS, HORMONE/
RECEPTORS, HORMONE, drug effects/ TIME
FACTORS/ TOSYL COMPOUNDS,
pharmacodynamics/ TRYPSIN,
pharmacodynamics
2669. Moore J, McNabb TG, Glynn JP: The placental transfer
of pentazocine and pethidine.
Br J Anaesth 45:Suppl;798-801, Jul 73
BLOOD/ CHROMATOGRAPHY, GAS/
FEMALE/ HUMAN/ MATERNAL-FETAL
EXCHANGE/ *MEPERIDINE, blood/
METHODS/ *PENTAZOCINE, blood/
*PLACENTA, metabolism/ PREGNANCY/
TIME FACTORS/ UMBILICAL CORD
2670. Moore MA, Ekert H, Fitzgerald MG, et al: Evidence for
the clonal origin of chronic myeloid leukemia from a
sex chromosome mosaic: clinical, cytogenetic, and
marrow culture studies. Blood 43:15-22, Jan 74
ABNORMALITIES, MULTIPLE/ BONE
MARROW CELLS/ BONE MARROW
EXAMINATION/ BUSULFAN, therapeutic use/
CELLS, CULTURED/ CHILD/ CHROMOSOME
ABERRATIONS/ CHROMOSOMES, HUMAN,
- 21-22/ CLONE CELLS/ DENSITOMETRY/
FIBROBLASTS/ HUMAN/ KARYOTYPING/
LEUKEMIA, MYELOCYTIC, drug therapy/
*LEUKEMIA, MYELOCYTIC, familial &
genetic/ LEUKOCYTES/ LYMPHOCYTE
TRANSFORMATION/ MACROPHAGES/ MALE/
*MOSAICISM/ MURAMIDASE, blood/ *SEX
CHROMOSOMES/ SKIN/ THYMIDINE,
metabolism/ TRITIUM
2671. Moore PJ, Greenwald GS: Seasonal variation in ovarian
responsiveness of the cycling hamster to PMSG.
J Reprod Fertil 36:219-20, Jan 74
ANIMAL EXPERIMENTS/ ENVIRONMENT,
CONTROLLED/ FEMALE/ *GONADOTROPINS,
EQUINE, pharmacodynamics/ HAMSTERS/
*OVULATION, drug effects/ *SEASONS
2672. Moore VL, Myrvik QN: Relationship of BCG-induced
pulmonary delayed hypersensitivity to accelerated
granuloma formation in rabbit lungs: effect of
cortisone acetate. Infect Immun 7:764-70, May 73
ANIMAL EXPERIMENTS/ ANTIBODY
PRODUCING CELLS/ *BCG VACCINATION/
CELL MIGRATION INHIBITION/
CORTISONE, pharmacodynamics/
*GRANULOMA, immunology/
*HYPERSENSITIVITY, DELAYED,
immunology/ IMMUNOSUPPRESSION/ *LUNG
DISEASES, immunology/ LYMPHOCYTES, drug
effects/ LYMPHOCYTES, transplantation/
RABBITS/ SPLEEN, cytology
2673. Moraru I, Fadel L: Morphological and cytological
characters of human ovarian tumor in short term
tissue cultures.
Arch Geschwulstforsch 42:163-71, 1973
*ADENOCARCINOMA, PAPILLARY, pathology/
ANEUPLOIDY/ *CYSTADENOMA,
PAPILLARY, pathology/ DIPLOIDY/ FEMALE/
FIBROBLASTS/ HUMAN/ *OVARIAN
NEOPLASMS, pathology/ PRECANCEROUS
CONDITIONS, pathology/ TIME FACTORS/
TISSUE CULTURE
2674. Morava E, Tarjan R, Winter M: Lag period of action of
25-hydroxycholecalciferol on bone collagen
metabolism in vitamin D deficient rats.
Experientia 29:1225-6, 15 Oct 73
ANIMAL EXPERIMENTS/ BONE AND BONES,
drug effects/ *BONE AND BONES,
metabolism/ CHOLECALCIFEROL,
pharmacodynamics/ *COLLAGEN, metabolism/
FEMALE/ *HYDROXYCHOLECALCIFEROL,
pharmacodynamics/ HYDROXYPROLINE,
metabolism/ KINETICS/ MALE/ RATS/ RATS,
INBRED STRAINS/ TISSUE CULTURE/
*VITAMIN D DEFICIENCY, metabolism
2675. Morawetz F: Klinische Zytologie.
Med Lab (Stuttg) 26:239-44, Oct 73 (Ger)
*CYTODIAGNOSIS/ CYTOLOGICAL
TECHNIQUES/ GASTROINTESTINAL DISEASES,
diagnosis/ HUMAN/ LUNG DISEASES,
diagnosis/ LYMPHATIC DISEASES, diagnosis/
PLEURAL DISEASES, diagnosis/ THYROID
DISEASES, diagnosis/ UROLOGIC DISEASES,
diagnosis
2676. Morgan FJ, Birken S, Canfield RE: Letter: Human
chorionic gonadotropin: a proposal for the amino acid
sequence. Mol Cell Biochem 2:97-9, 15 Nov 73
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ CARBOHYDRATES, analysis/
CATTLE/ CHYMOTRYPSIN/
ELECTROPHORESIS, PAPER/ FEMALE/ GEL
FILTRATION/ *GONADOTROPINS,
CHORIONIC, analysis/ HUMAN/ PEPTIDE
FRAGMENTS, analysis/ PEPTIDES, analysis/
PREGNANCY/ THROMBIN/ TRYPSIN
2677. Mori H, Tamura T, Mizuguchi H, et al: [Action of
LH-RH in vitro]
Clin Endocrinol (Tokyo) 21:897-903, Sep 73 (24 ref.)
(Jap)
ANIMAL EXPERIMENTS/ CALCIUM,
pharmacodynamics/ FETUS/ HUMAN/ IN
VITRO/ LH, secretion/ *LH-FSH RELEASING
HORMONE, pharmacodynamics/ POTASSIUM,
pharmacodynamics/ RATS/ REVIEW/ SEX

AUTHOR SECTION

HORMONES, pharmacodynamics/ TIME FACTORS

2678. Morimitsu T, Hayashida K: Surgical and histological findings of the stapes associated with Van der Hoeve syndrome in a Japanese boy. ORL 35:342-9, 1973
ABNORMALITIES, familial & genetic/
ADOLESCENCE/ AUDIOMETRY/
COMPARATIVE STUDY/ *DEAFNESS, familial & genetic/ DIAGNOSIS, DIFFERENTIAL/
*EAR OSSICLES/ EAR OSSICLES, pathology/
HUMAN/ JAPAN/ MALE/ *OSTEOGENESIS IMPERFECTA, familial & genetic/
*OSTEOSCLEROSIS, familial & genetic/
*OTOSCLEROSIS, familial & genetic/
OTOSCLEROSIS, pathology/ OTOSCLEROSIS, surgery/ *SCLERA, abnormalities/ STAPES SURGERY/ SYNDROME
2679. Morin LP, Feder HH: Multiple progesterone injections and the duration of estrus in ovariectomized guinea pigs. Physiol Behav 11:861-5, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/
ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ GUINEA PIGS/
INJECTIONS, SUBCUTANEOUS/ OILS/
PROGESTERONE, administration & dosage/
PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics/ PROPANEDIOLS/
RADIOIMMUNOASSAY/ SEX BEHAVIOR, ANIMAL, drug effects/ TIME FACTORS/
VEHICLES
2680. Morozova LG, Sokolov IaA, Fedotov VP: Radloimmunologicheskii metod opredeleniya tireotropnogo hormona v plazme krovi krysa. Probi Endokrinol (Mosk) 19:82-4, Nov-Dec 73 (Rus)
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ENGLISH ABSTRACT/ GUINEA PIGS/ METHODS/ *RADIOIMMUNOASSAY/
RATS/ *THYROTROPIN, blood/
THYROTROPIN RELEASING HORMONE, administration & dosage
2681. Morris JL, Zizic TM, Shulman LE, et al: Clinical significance of antinuclear antibodies with hypocomplementemia. Johns Hopkins Med J 133:321-8, Dec 73
*ANTINUCLEAR FACTORS, analysis/ *BLOOD PROTEIN DISORDERS, immunology/
*COMPLEMENT/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/
LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ NEPHRITIS, etiology/ PREDNISONE, therapeutic use
2682. Morris JL, Zizic TM, Stevens MB: Proteus polyarthritis complicating systemic lupus erythematosus. Johns Hopkins Med J 133:262-9, Nov 73
ADULT/ ARTHRITIS, INFECTIOUS, drug therapy/ *ARTHRTIS, INFECTIOUS, etiology/
ARTHRTIS, INFECTIOUS, microbiology/
FEMALE/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/
PREDNISONE, therapeutic use/ *PROTEUS INFECTIONS, complications/ PROTEUS INFECTIONS, drug therapy/ PROTEUS MIRABILIS/ SEPTICEMIA, etiology
2683. Mortimer CH, Besser GM, Goldie DJ, et al: Asynchronous changes in circulating LH and FSH after the gonadotropin releasing hormone. Nature [New Biol] 246:22-3, 7 Nov 73
ADULT/ *FSH, blood/ HUMAN/ INFUSIONS, PARENTERAL/ *LH, blood/ MALE/
PITUITARY HORMONE RELEASING HORMONES, administration & dosage/
*PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ TIME FACTORS
2684. Mortimer CH, Besser GM, McNelly AS, et al: Proceedings: Asynchronous pulsatile luteinizing hormone and follicle-stimulating hormone responses during luteinizing hormone-follicle-stimulating hormone releasing hormone and thyroid-stimulating hormone releasing hormone infusions. J Endocrinol 59:12-3, Nov 73
*FSH, secretion/ HUMAN/ INFUSIONS, PARENTERAL/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics
2685. Moseley SR, McNelly JR, Lamming GE: Proceedings: Prolactin release in the ewe induced by a synthetic tripeptide. J Endocrinol 59:xiv-xvii, Nov 73
ANIMAL EXPERIMENTS/
CATHETERIZATION/ FEMALE/ LACTATION/
LH, blood/ PREGNANCY/ *PROLACTIN, secretion/ SHEEP/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics
2686. Mosin VI: Shchitovidnala zheleza i zheludok. Klin Med (Mosk) 51:15-21, Jan 73 (84 ref.) (Rus)
GASTRIC ACIDITY DETERMINATION/
*GASTRIC JUICE, secretion/ HUMAN/
HYPERTHYROIDISM, physiopathology/
HYPOTHYROIDISM, physiopathology/
REVIEW/ *STOMACH, physiology/ STOMACH, physiopathology/ STOMACH ULCER, physiopathology/ *THYROID GLAND, physiology/ THYROID GLAND, physiopathology/ THYROID HORMONES, physiology
2687. Moskowitz J, Krishna G: The effect of prostaglandin E1 on norepinephrine-induced membrane depolarization and cyclic AMP accumulation in brown fat cells. Pharmacology 10:129-35, 1973
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BROWN FAT, cytology/
*BROWN FAT, metabolism/ CELLS/
DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ MALE/ *MEMBRANE POTENTIALS, drug effects/ *NOREPINEPHRINE, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL
2688. Mosonyi L: Letter: Multiple benign hepatomas and virilisation by ovarian tumour. Lancet 2:1263-4, 1 Dec 73
ADRENAL GLAND NEOPLASMS/
ANDROGENS, secretion/ CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, secretion/ FEMALE/ *HEPATOMA, complications/ HORMONES, ECOTOPIC, secretion/ HUMAN/ HYDROCORTISONE, blood/ *LIVER NEOPLASMS, complications/
MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, complications/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, metabolism/ OVARY, physiopathology/ *VIRILISM, etiology
2689. Mosonyi L, Gönczi J, Pálóssy B, et al: Nachweis der gestörten hypothalamischen Aktivität. Wien Z Inn Med 54:114-9, 1973 (Ger)
ADULT/ ANTIBODY FORMATION/
ANTIBODY SPECIFICITY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, immunology/ HYPERTHYROIDISM, physiopathology/ *HYPOTHALAMUS, immunology/ HYPOTHALAMUS, physiopathology/ METHIMAZOLE, therapeutic use/ MIDDLE AGE/ OXYGEN CONSUMPTION/ THYROID GLAND FUNCTION TESTS
2690. Mostofi FK: Proceedings: Testicular tumors. Epidemiologic, etiologic, and pathologic features. Cancer 32:1186-201, Nov 73
AGE FACTORS/ CARCINOID TUMOR, pathology/ CHORIOCARCINOMA, pathology/
CRYPTORCHISM, complications/
DISGERMINOMA, pathology/ ENDOCRINE DISEASES, complications/ GEOGRAPHY/
HUMAN/ LEYDIG CELL TUMOR, pathology/
MALE/ NEOPLASM METASTASIS/
NEOPLASMS, EXPERIMENTAL, etiology/
RACIAL STOCKS/ SARCOMA, pathology/
SERTOLI CELL TUMOR, pathology/
TERATOID TUMOR, pathology/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, etiology/ TESTICULAR NEOPLASMS, familial

AUTHOR SECTION

- & genetic/ TESTICULAR NEOPLASMS, occurrence/ TESTICULAR NEOPLASMS, pathology/ TESTIS, injuries/ TESTIS, pathology
2691. Mostovoi SI, Bugaenko LP: Sostolanie simpatoadrenalovoi sistemy u bol'nykh khronicheskimi tonzillitami. Zh Ushn Nos Gori Bolezn 33:4-6, Jul-Aug 73 (Rus) ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ ADULT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ HUMAN/ NOREPINEPHRINE, urine/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ *TONSILLITIS, physiopathology/ TONSILLITIS, urine
2692. Motson R, Glass DN, Evans JI, et al: Proceedings: Effect of corticotrophin and oral corticosteroids on nocturnally released growth hormone. Ann Rheum Dis 32:595, Nov 73 ADMINISTRATION, ORAL/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ *CIRCADIAN RHYTHM/ *CORTICOTROPIN, pharmacodynamics/ HUMAN/ SLEEP/ *SOMATOTROPIN, secretion
2693. Moudgil VK, Kanungo MS: Effect of age of the rat on induction of acetylcholinesterase of the brain by 17 beta-estradiol. Blochim Biophys Acta 329:211-20, 5 Dec 73 *ACETYLCHOLINESTERASE, biosynthesis/ AGING/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ BRAIN, growth & development/ CASTRATION/ CEREBELLUM, enzymology/ CEREBELLUM, growth & development/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPARATIVE STUDY/ DACTINOMYCIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ ESTERASES, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GEL DIFFUSION TESTS/ IMMUNOELECTROPHORESIS/ KINETICS/ OVARY, physiology/ PHYSOSTIGMINE, pharmacodynamics/ RABBITS, immunology/ RATS/ SPECTROPHOTOMETRY, ULTRAVIOLET
2694. Mouret JR, Renaud B, Quenlin P, et al: Monoamines et régulation de la vigilance. I. Apport et interprétation biochimique des données polygraphiques. Rev Neurol (Paris) 127:139-55, Jul 72 (Fre) *ATTENTION, drug effects/ BIOGENIC AMINES, cerebrospinal fluid/ *BIOGENIC AMINES, metabolism/ *BRAIN, metabolism/ BRAIN, physiology/ BRAIN CHEMISTRY/ CATECHOLAMINES, metabolism/ CIRCADIAN RHYTHM/ *ELECTROENCEPHALOGRAPHY/ HUMAN/ INSOMNIA, physiopathology/ MONOAMINE OXIDASE INHIBITORS/ PARKINSONISM, metabolism/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ SLEEP DISORDERS, physiopathology/ SLEEP, REM/ *WAKEFULNESS, drug effects
2695. Mouridsen HT: Cytostatisk kombinationsbehandling af metastaserende cancer mammae. Ugeskr Laeger 135:1336-40, 21 Jun 73 (Dan) ADULT/ AGED/ ANTINEOPLASTIC AGENTS, adverse effects/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREDNISONE, therapeutic use/ REMISSION/ VINCRISTINE, therapeutic use
2696. Mouw DR, Abraham SF, Blair-West JR, et al: Brain receptors, renin secretion, and renal sodium retention in conscious sheep. Am J Physiol 228:56-62, Jan 74 ALDOSTERONE, blood/ ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BRAIN, drug effects/ CEREBRAL VENTRICLES, drug effects/ CISTERNA MAGNA, drug effects/ DIURESIS, drug effects/ HEART RATE, drug effects/ HEMATOCRIT/ *KIDNEY, physiology/ *NATRIURESIS, drug effects/ OSMOLAR CONCENTRATION/ PRESSORECEPTORS/ RENIN, blood/ *RENIN, secretion/ RESPIRATION, drug effects/ SHEEP/ SODIUM, blood/ SODIUM, cerebrospinal fluid/ *SODIUM, pharmacodynamics
2697. Mozhaeva GN, Naumov AP: Effect of surface charge on stationary potassium conductance of the Ranvier node membrane. II. Changes in ionic strength of external solution. Neurosci Behav Physiol 6:228-33, Jul-Sep 73 ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ *MEMBRANE POTENTIALS/ MEMBRANE POTENTIALS, drug effects/ NEURAL CONDUCTION, drug effects/ OSMOLAR CONCENTRATION/ *POTASSIUM, metabolism/ POTASSIUM, pharmacodynamics/ *RANVIER'S NODES, metabolism/ SQUID
2698. Mûelenaere GF de: Vaginal metastases in endometrial carcinoma. Am J Obstet Gynecol 118:168-72, 15 Jan 74 ABDOMINAL NEOPLASMS, pathology/ ADENOCARCINOMA, etiology/ COBALT RADIOISOTOPES/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYSTERECTOMY, adverse effects/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ OVARIAN NEOPLASMS, pathology/ PELVIS/ POSTOPERATIVE CARE/ PREOPERATIVE CARE/ RADIOISOTOPE TELETHERAPY, adverse effects/ RADIUM, therapeutic use/ *UTERINE NEOPLASMS, pathology/ UTERUS/ *VAGINAL NEOPLASMS, pathology/ VAGINAL NEOPLASMS, prevention & control/ VAGINAL NEOPLASMS, radiotherapy/ VAGINAL NEOPLASMS, surgery
2699. Mugambi M, Mati JK, Manku MS: The action of sheep prolactin on human Fallopian tubes in vitro. J Obstet Gynaecol Br Commonwealth 80:934-6, Oct 73 DEPRESSION, CHEMICAL/ *FALLOPIAN TUBES, drug effects/ FEMALE/ HUMAN/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ *PROLACTIN, pharmacodynamics/ SHEEP
2700. Mühlendahl KE von, Manz F: Treatment of pitresin sensitive diabetes insipidus in children with clofibrate and carbamazepine. Z Kinderheilkd 115:83-8, 9 Aug 73 CARBAMAZEPINE, administration & dosage/ *CARBAMAZEPINE, therapeutic use/ CHILD/ CLOFIBRATE, administration & dosage/ *CLOFIBRATE, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ DIURESIS/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ MALE
2701. Mukherjee AS, Washburn LL, Banerjee MR: Role of insulin as a "permissive" hormone in mammary gland development. Nature 246:159-60, 16 Nov 73 ANIMAL EXPERIMENTS/ DNA, biosynthesis/ EPITHELIAL CELLS/ FEMALE/ *INSULIN, pharmacodynamics/ *MAMMAE, cytology/ MAMMAE, drug effects/ MAMMAE, metabolism/ MICE/ MICE, INBRED BALB C/ *MITOSIS, drug effects/ ORGAN CULTURE/ PREGNANCY/ PROLACTIN, pharmacodynamics/ THYMIDINE, metabolism/ TIME FACTORS/ TRITUM
2702. Müller HF, Grad B: Clinical-psychological, electroencephalographic, and adrenocortical relationships in elderly psychiatric patients. J Gerontol 29:28-38, Jan 74 ADRENAL CORTEX HORMONES, blood/ *ADRENAL GLANDS, physiopathology/ AGED/ *AGING/ CEREBRAL ARTERIOSCLEROSIS, physiopathology/ DEPRESSION, physiopathology/ *ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MEMORY/ *MENTAL DISORDERS, physiopathology/ MIDDLE AGE/ MOTOR

AUTHOR SECTION

- SKILLS/ NEUROSES, physiopathology/
OCCIPITAL LOBE, physiopathology/
PERSONALITY DISORDERS, physiopathology/
PSYCHOLOGICAL TESTS/ PSYCHOLOGY/
SCHIZOPHRENIA, physiopathology/ SEX
FACTORS/ SOCIAL BEHAVIOR
2703. Müller WH, Tanner E: Goldtherapie und Agranulozytose.
Z Gesamte Inn Med 28:457-62, 1 Aug 73 (Ger)
ADULT/ *AGRANULOCYTOSIS, chemically induced/ AMINOPYRINE, adverse effects/ ANIMAL EXPERIMENTS/ ANTI-INFLAMMATORY AGENTS, adverse effects/ ARTHRITIS, RHEUMATOID, drug therapy/ ASPIRIN, therapeutic use/ BENZYL COMPOUNDS, adverse effects/ COLLAGEN, pharmacodynamics/ DIMETHYLAMINES, adverse effects/ ENGLISH ABSTRACT/ ERYTHROCYTES/ FEMALE/ *GOLD, adverse effects/ GOLD, therapeutic use/ HALF-LIFE/ HUMAN/ IMMUNOSUPPRESSION/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ INDAZOLES, adverse effects/ INDOMETHACIN, therapeutic use/ MALE/ MICE/ MIDDLE AGE/ PHENYLBUTAZONE, adverse effects/ PREDNISONE, therapeutic use/ SALICYLATES, therapeutic use/ SYNOVIAL FLUID/ THIOSULFATES, adverse effects/ THIOSULFATES, therapeutic use/ TRIAZIQUONE, therapeutic use
2704. Müller-Berghaus G, Róka L, Lasch HG: Induction of glomerular microclot formation by fibrin monomer infusion. Thromb Diath Haemorrh 29:375-83, 10 May 73
ACETIC ACIDS/ ADRENAL GLANDS, pathology/ AMINOCAPROIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD COAGULATION FACTORS, metabolism/ BLOOD PROTEINS, metabolism/ CAPILLARIES, drug effects/ *DISSEMINATED INTRAVASCULAR COAGULATION, chemically induced/ FEMALE/ *FIBRIN, pharmacodynamics/ FIBRINOGEN, metabolism/ HEPARIN, pharmacodynamics/ KALLIKREIN-TRYPSIN INACTIVATOR, pharmacodynamics/ KIDNEY GLOMERULUS, blood supply/ *KIDNEY GLOMERULUS, drug effects/ KIDNEY GLOMERULUS, pathology/ LIVER, pathology/ LUNG, pathology/ MALE/ RABBITS/ SHWARTZMAN PHENOMENON, etiology/ SPLEEN, pathology
2705. Müller-Oerlinghausen B, Schwabe U: Die Bedeutung von zyklischem AMP für die Funktion des peripheren und zentralen Nervensystems.
Fortschr Neurol Psychiatr 41:509-26, Sep 73 (Ger)
ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, hiosynthesis/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ ADENYL CYCLASE/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ BRAIN, physiology/ ENGLISH ABSTRACT/ HISTAMINE, pharmacodynamics/ HUMAN/ LITHIUM, pharmacodynamics/ MEMORY/ *NERVOUS SYSTEM, physiology/ NOREPINEPHRINE, pharmacodynamics/ PERIPHERAL NERVES, physiology/ PSYCHOSES, MANIC-DEPRESSIVE, urine/ SYNAPSES/ TRANQUILIZING AGENTS, pharmacodynamics
2706. Muñoz M, Puente M, Moncada E, et al: Patología tiroidea de origen hipotalámico.
Rev Iher Endocrinol 20:563-87, Nov-Dec 73 (66 ref.) (Spa)
CORTICOTROPIN, physiology/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ GOITER, physiopathology/ HUMAN/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM/ *HYPOTHALAMUS, physiopathology/ HYPOTHALAMUS, secretion/ HYPOTHYROIDISM, physiopathology/ REVIEW/ STRESS, PSYCHOLOGICAL/ *THYROID DISEASES, etiology/ THYROID DISEASES, physiopathology/ THYROID GLAND, physiopathology/ THYROID GLAND, secretion/ THYROIDECTOMY/ THYROTROPIN, physiology/ THYROTROPIN, secretion/ THYROTROPIN RELEASING HORMONE, physiology/ THYROTROPIN RELEASING HORMONE, secretion
2707. Munro HN: Report of a conference on protein and amino acid needs for growth and development.
Am J Clin Nutr 27:55-8, Jan 74
ADOLESCENCE/ ADULT/ *AMINO ACIDS/ ANIMAL EXPERIMENTS/ CHILD/ CHILD DEVELOPMENT/ CHILD, PRESCHOOL/ CONGRESSES/ *DIETARY PROTEINS/ FEMALE/ *GROWTH/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTERNATIONAL AGENCIES/ JAPAN/ MALE/ NITROGEN, metabolism/ NUTRITIONAL REQUIREMENTS/ PLACENTA DISORDERS, complications/ PREGNANCY/ PREGNANCY COMPLICATIONS/ PROTEIN-CALORIE MALNUTRITION, complications/ RATS/ UNITED STATES
2708. Murad F: Clinical studies and applications of cyclic nucleotides.
Adv Cyclic Nucleotide Res 3:355-83, 1973 (96 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ AFFECTIVE DISTURBANCES, metabolism/ ANIMAL EXPERIMENTS/ ASTHMA, metabolism/ CAFFEINE, pharmacodynamics/ CALCITONIN, pharmacodynamics/ CALCIUM, metabolism/ CATECHOLAMINES, pharmacodynamics/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ DERMATITIS, ATOPIC, metabolism/ DIABETES INSIPIDUS, metabolism/ GLUCAGON, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ HUMAN/ HYPERCALCEMIA, metabolism/ HYPERPARATHYROIDISM, metabolism/ HYPOCALCEMIA, metabolism/ HYPOPARATHYROIDISM, metabolism/ INSULIN, pharmacodynamics/ ORGAN SPECIFICITY/ PARATHYROID HORMONE, pharmacodynamics/ PSORIASIS, metabolism/ REVIEW/ SOMATOTROPIN, pharmacodynamics/ VASOPRESSIN, pharmacodynamics
2709. Mural M: [Adrenocortical hyperplasias and tumors in organ culture (author's transl)]
Jap J Urol 64:629-50, Aug 73 (Jap)
*ADRENAL GLAND HYPERFUNCTION, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ ADULT/ ANIMAL EXPERIMENTS/ CUSHING'S SYNDROME, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, pathology/ HYPERPLASIA/ MALE/ MICROSCOPY, ELECTRON/ ORGAN CULTURE/ RATS
2710. Murakami K, Inagami T, Michelakis AM, et al: An affinity column for renin.
Biochem Biophys Res Commun 54:482-7, 18 Sep 73
ACRYLAMIDES/ ACTINOMYCETES/ ANIMAL EXPERIMENTS/ CARBODIIMIDES/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ EVALUATION STUDIES/ GEL FILTRATION/ ISOENZYMES, isolation & purification/ MALE/ METHODS/ MICE/ OLIGOPEPTIDES/ PEPsin, antagonists & inhibitors/ *RENIN, isolation & purification/ SUBMANDIBULAR GLAND, enzymology/ SUCCINIMIDES/ SWINE
2711. Murakami N, Ichii S: Effect of ACTH on the phosphorylation of proteins in subcellular fractions of rat adrenal glands. Endocrinol Jap 20:421-3, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, pharmacodynamics/ MALE/ MICROSOMES, metabolism/ *PHOSPHORUS, metabolism/ PHOSPHORUS RADIOISOTOPES/ PROTEIN

AUTHOR SECTION

- KINASE, metabolism/ *PROTEINS, metabolism/ RATS
2712. Murase T, Mukoyama A, Osawa N, et al: A survival case of myxedema coma of pituitary origin. *Endocrinol Jap* 20:331-4, Jun 73
ADMINISTRATION, ORAL/ ADULT/ COMA, etiology/ *COMA, therapy/ FEMALE/ GLUCOSE, administration & dosage/ GLUCOSE, therapeutic use/ HUMAN/ *HYPOPITUITARISM, complications/ HYPOPITUITARISM, drug therapy/ INJECTIONS, INTRAVENOUS/ MYXEDEMA, drug therapy/ MYXEDEMA, etiology/ *MYXEDEMA, therapy/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ RESPIRATION, ARTIFICIAL/ TRIIODOTHYRONINE/ TRIIODOTHYRONINE, therapeutic use
2713. Muravefskaya VS: Gistologicheskoe izuchenie organov zhivotnykh, poluchavshikh vvedeniya novogo antibiotika 1719 iz gruppy diazosoedinenii. *Antibiotiki* 18:339-42, Apr 73 (Rus)
ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, ANTINEOPLASTIC, toxicity/ *AZO COMPOUNDS, toxicity/ AZOTOMYCIN, administration & dosage/ AZOTOMYCIN, toxicity/ DOGS/ GASTRIC MUCOSA, drug effects/ *GLUTAMINE, antagonists & inhibitors/ HEART, drug effects/ INJECTIONS, INTRAVENOUS/ INTESTINAL MUCOSA, drug effects/ KIDNEY, drug effects/ LIVER, drug effects/ PANCREAS, drug effects/ RABBITS/ SPLEEN, drug effects
2714. Murphy BE: Evidence of cortisol deficiency at birth in infants with the respiratory distress syndrome. *J Clin Endocrinol Metab* 38:158, Jan 74
BINDING, COMPETITIVE/ BLOOD/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ INFANT, NEWBORN/ *RESPIRATORY DISTRESS SYNDROME, blood/ UMBILICAL CORD
2715. Murphy GP: Proceedings: Current results from treatment of renal cell carcinoma. *Proc Natl Cancer Conf* 7:751-9, 1973 (54 ref.)
ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ ANIMAL EXPERIMENTS/ ANTIGENS, NEOPLASM, analysis/ CARCINOEMBRYONIC ANTIGEN, analysis/ EVALUATION STUDIES/ HAMSTERS/ HUMAN/ KIDNEY, pathology/ KIDNEY NEOPLASMS, drug therapy/ KIDNEY NEOPLASMS, immunology/ KIDNEY NEOPLASMS, pathology/ KIDNEY NEOPLASMS, radiotherapy/ KIDNEY NEOPLASMS, surgery/ *KIDNEY NEOPLASMS, therapy/ NEOPLASM METASTASIS/ NEOPLASMS, EXPERIMENTAL, therapy/ NEPHRECTOMY/ PROGNOSIS/ PROSPECTIVE STUDIES/ RETROSPECTIVE STUDIES/ REVIEW/ SEX HORMONES, therapeutic use
2716. Murphy GP: Proceedings: Cancer of the prostate. *Cancer* 32:1089-91, Nov 73
ACTINOMYCIN, therapeutic use/ AMIDES, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ ARGINASE, metabolism/ BLEOMYCIN, pharmacodynamics/ BUSULFAN, therapeutic use/ CARBAMATES, therapeutic use/ CHROMOMYCINS, therapeutic use/ CYCLIC P-OXIDES, therapeutic use/ CYCLOHEXANE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DIMETHYLAMINES, therapeutic use/ DRUG SCREENING/ ESTRANES, therapeutic use/ ETHYLAMINES, therapeutic use/ FLUOROURACIL, therapeutic use/ HUMAN/ IMIDAZOLES, therapeutic use/ MALE/ MITHRAMYCIN, therapeutic use/ MITOMYCIN, therapeutic use/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ NITROSOUREA COMPOUNDS, therapeutic use/ ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ *OXIDOREDUCTASES, metabolism/ PROCARBAZINE, therapeutic use/ PROSTATE, enzymology/ *PROSTATIC NEOPLASMS, drug therapy/ STREPTOZOTOCIN, pharmacodynamics/ TRIAZINES, therapeutic use/ URACIL, MUSTARD, therapeutic use/ VINCRISTINE, therapeutic use
2717. Murphy GP, Williams PD, Yamanaka H, et al: The effects of cholestyramine on prostatic function. *Res Commun Chem Pathol Pharmacol* 6:1027-32, Nov 73
ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ARGINASE, metabolism/ BODY WEIGHT, drug effects/ CHOLESTEROL, blood/ *CHOLESTYRAMINE, pharmacodynamics/ MALE/ ORGAN WEIGHT/ *PROSTATE, drug effects/ PROSTATE, enzymology/ PROSTATE, physiology/ RATS
2718. Murphy ML: Proceedings: Pediatric urologic cancer. Introduction to the panel on the diagnosis and treatment of cancer of the bladder and prostate. *Cancer* 32:1154-6, Nov 73
ADAPTATION, PSYCHOLOGICAL/ *BLADDER NEOPLASMS/ BLADDER NEOPLASMS, diagnosis/ BLADDER NEOPLASMS, therapy/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ NEOPLASM METASTASIS/ *PROSTATIC NEOPLASMS/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, therapy/ SARCOMA, diagnosis/ SARCOMA, therapy/ TERATOID TUMOR, diagnosis/ TESTICULAR NEOPLASMS, diagnosis
2719. Murphy WM, Deodhar SD, Cawley LP: Use of horseradish peroxidase in identification of serum antibodies and immune complexes. *Clin Chem* 19:1370-3, Dec 73
*ANTIBODIES, analysis/ *ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS/ *AUTOIMMUNE DISEASES, diagnosis/ BASEMENT MEMBRANE, immunology/ CELL NUCLEUS, immunology/ COMPARATIVE STUDY/ ESOPHAGUS/ EVALUATION STUDIES/ FEMALE/ FLUORESCINS/ GOATS, immunology/ HUMAN/ KIDNEY, immunology/ KIDNEY GLOMERULUS, cytology/ KIDNEY GLOMERULUS, immunology/ MACACA/ MITOCHONDRIA, immunology/ MONKEYS/ MUSCLE, SMOOTH, immunology/ *PEROXIDASES/ RATS/ SKIN, analysis/ THIOCYANATES/ UTERUS
2720. Murr SM, Bradford GE, Geschwind II: Plasma luteinizing hormone, follicle-stimulating hormone and prolactin during pregnancy in the mouse. *Endocrinology* 91:112-6, Jan 74
ANIMAL EXPERIMENTS/ FEMALE/ *FSH, blood/ *LH, blood/ MICE/ NIDATION/ PLACENTA, analysis/ *PREGNANCY, ANIMAL/ *PROLACTIN, blood/ RADIOIMMUNOASSAY
2721. Murray HS, Strottman MP, Cooke AR: Effect of several drugs on gastric potential difference in man. *Br Med J* 1:19-21, 5 Jan 74
ADULT/ ALCOHOL, ETHYL, pharmacodynamics/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, physiopathology/ ASPIRIN, administration & dosage/ ASPIRIN, pharmacodynamics/ ASPIRIN, therapeutic use/ DRUG COMBINATIONS/ DRUG SYNERGISM/ FEMALE/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, physiopathology/ HUMAN/ INDOMETHACIN, pharmacodynamics/ MALE/ *MEMBRANE POTENTIALS, drug effects/ PHENYLBUTAZONE, pharmacodynamics/ PREDNISONE, administration & dosage/ PREDNISONE, pharmacodynamics/ PREDNISONE, therapeutic use
2722. Murray MA, Anderson DC, Bancroft JH, et al: Proceedings: Sex-hormone-binding globulin, luteinizing hormone and testosterone in man: effects of oestrogen and cyproterone acetate.

AUTHOR SECTION

- J Endocrinol 59:xxi-xxii, Nov 73
 *CYPROTERONE, pharmacodynamics/
 *ESTROGENS, pharmacodynamics/
 *GLOBULINS, metabolism/ HUMAN/ *LH,
 metabolism/ PROTEIN BINDING, drug effects/
 SEX DEVIATION, drug therapy/
 *TESTOSTERONE, metabolism
2723. Murray-Lyon IM, Rake MO, Marshall AK, et al:
 Malignant carcinoid tumour with gangrene of the
 small intestine. Br Med J 4:770-1, 29 Dec 73
 ADULT/ AGED/ BIOPSY/ *CARCINOID
 TUMOR, complications/ DIARRHEA,
 complications/ FEMALE/ *GANGRENE,
 etiology/ HUMAN/ HYDROXYINDOLEACETIC
 ACID, urine/ ILEUM, pathology/
 *INTESTINAL NEOPLASMS, complications/
 JEJUNUM, pathology/ LIVER, pathology/
 MALE/ MALIGNANT CARCINOID
 SYNDROME, complications/ MESENTERIC
 ARTERIES, pathology/ MIDDLE AGE/
 PERITONITIS, etiology/ SEROTONIN, blood
2724. Murthy GS, Gilardeau C, Chrétien M: Partial sequence
 of trypsin inhibitor from ovumucoid.
 Can J Biochem 51:1548-51, Nov 73
 AMINO ACID SEQUENCE/ AMINO ACIDS,
 analysis/ CARBON RADIOISOTOPES/
 CHICKENS/ CHROMATOGRAPHY, GAS/ *EGG
 PROTEINS, analysis/ *MUCOPROTEINS,
 analysis/ OXIDATION-REDUCTION/
 THIOCYANATES/ *TRYPSIN INHIBITORS,
 analysis
2725. Murthy PV, McKenzie JM: Changes in thyroid
 ribonucleic acid, ribonucleases and alkaline
 ribonuclease inhibitor. Endocrinology 91:74-81, Jan 74
 ANIMAL EXPERIMENTS/ DIBUTYRYL
 CYCLIC AMP, pharmacodynamics/ DIET/
 DOGS/ FEMALE/ HYDROGEN-ION
 CONCENTRATION/ IODINE,
 pharmacodynamics/ MICE/
 PROPYLTHIOURACIL, pharmacodynamics/
 RATS/ *RIBONUCLEASE, metabolism/ *RNA,
 metabolism/ SWINE/ THYROID GLAND,
 enzymology/ *THYROID GLAND, metabolism/
 THYROTROPIN, pharmacodynamics/ TRITIUM/
 URIDINE, metabolism
2726. Musey PI, Kirdani RY, Bhanalaph T, et al: Estriol
 metabolism in the baboon: analysis of urinary and
 biliary metabolites. Steroids 22:795-817, Dec 73
 ANIMAL EXPERIMENTS/ *BABOONS,
 metabolism/ *BILE, metabolism/ CARBON
 RADIOISOTOPES/ CHROMATOGRAPHY,
 DEAE-CELLULOSE/ *ESTRIOL, metabolism/
 GLUCURONATES, biosynthesis/
 GLUCURONIDASE/ HYDROLYSIS/ KIDNEY,
 metabolism/ LIVER, enzymology/ MONKEYS/
 SULFATASES/ SULFATES, biosynthesis/
 TIME FACTORS/ TRITIUM
2727. Mütting D: Lebercarcinome nach Anaholikatherapie
 nicht gehäuft. Med Klin 68:1343, 12 Oct 73 (Ger)
 *ANABOLIC STEROIDS, adverse effects/
 ANABOLIC STEROIDS, therapeutic use/
 HUMAN/ HYPOGONADISM, drug therapy/
 *LIVER NEOPLASMS, chemically induced/
 LONG TERM CARE/ MALE/ MIDDLE AGE
2728. Muylle E, Oyaert W: Lung function tests in obstructive
 pulmonary disease in horses.
 Equine Vet J 5:37-44, Jan 73
 AIRWAY RESISTANCE/ ANIMAL
 EXPERIMENTS/ ATROPINE, therapeutic use/
 DEXAMETHASONE, therapeutic use/
 DIHYDROSTREPTOMYCIN, therapeutic use/
 HORSE DISEASES, drug therapy/ *HORSE
 DISEASES, physiology/ HORSES/ LUNG
 COMPLIANCE/ LUNG DISEASES,
 OBSTRUCTIVE, drug therapy/ LUNG
 DISEASES, OBSTRUCTIVE, physiology/
 *LUNG DISEASES, OBSTRUCTIVE, veterinary/
 REMISSION/ RESPIRATION/ *RESPIRATORY
 FUNCTION TESTS, veterinary/ SPIROMETRY
2729. Myant NB: The metabolism of LDL.
 Adv Exp Med Biol 38:53-67, 1973 (26 ref.)
 AGE FACTORS/ APOPROTEINS, metabolism/
 ARTERIES, metabolism/ BLOOD PROTEINS,
 analysis/ CARBOHYDRATES, analysis/
 CHOLESTEROL, analysis/ CHOLESTEROL,
 blood/ CHOLESTEROL, metabolism/
 CHOLESTYRAMINE, pharmacodynamics/
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 LIPIDS, analysis/ LIPOPROTEINS, LDL,
 analysis/ LIPOPROTEINS, LDL, biosynthesis/
 LIPOPROTEINS, LDL, blood/
 *LIPOPROTEINS, LDL, metabolism/
 MYXEDEMA, drug therapy/ NICOTINIC ACID,
 pharmacodynamics/ REVIEW/ THYROID
 HORMONES, therapeutic use
2730. Myers RE, Panigel M: Experimental placental
 detachment in the rhesus monkey: changes in villous
 ultrastructure. J Med Primatol 2:170-89, 1973
 ANIMAL EXPERIMENTS/ ARTERIES/
 ASPHYXIA, etiology/ BLOOD/ *DISEASE
 MODELS, ANIMAL/ FEMALE/ FETAL
 DEATH, etiology/ FETAL DISEASES, etiology/
 HYDROGEN-ION CONCENTRATION/
 LIGATION/ *MACACA/ MICROSCOPY,
 ELECTRON/ MONKEYS/ *PLACENTA, blood
 supply/ PLACENTA, pathology/ PLACENTA,
 surgery/ *PLACENTA DISORDERS, pathology/
 PLACENTA DISORDERS, physiopathology/
 PREGNANCY/ UTERUS, blood supply/
 UTERUS, surgery
2731. Mygind N: Local effect of intranasal beclomethasone
 dipropionate aerosol in hay fever.
 Br Med J 4:464-6, 24 Nov 73
 ADMINISTRATION, INTRANASAL/
 ADOLESCENCE/ ADRENAL GLANDS,
 physiology/ ADULT/ AEROSOLS/
 BECLOMETHASONE, administration & dosage/
 BECLOMETHASONE, therapeutic use/
 CLINICAL RESEARCH/ EYE DISEASES, drug
 therapy/ FEMALE/ *GLUCOCORTICIDS,
 TOPICAL, administration & dosage/ *HAY
 FEVER, drug therapy/ HUMAN/
 17-KETOSTEROIDS, urine/ MALE/
 *METHYLPREDNISOLONE, administration &
 dosage/ PRURITUS, drug therapy
2732. Mygind N, Hansen I: Beclomethasone dipropionate
 aerosol effect on the adrenals in normal persons.
 Acta Allergol (Kbh) 28:211-8, Sep 73
 *ADRENAL GLANDS, drug effects/ ADULT/
 AEROSOLS/ BECLOMETHASONE,
 administration & dosage/ BECLOMETHASONE,
 adverse effects/ BECLOMETHASONE,
 pharmacodynamics/ DEPRESSION, CHEMICAL/
 FEMALE/ *GLUCOCORTICIDS, TOPICAL,
 administration & dosage/ HUMAN/
 17-KETOSTEROIDS, urine/ MALE/
 *METHYLPREDNISOLONE, administration &
 dosage

N

2733. Naaktgeboren C, Weyden GC van der, Kloppe P, et al:
 Electrophysiological observations of uterine motility
 during the oestrous cycle in sheep.
 J Reprod Fertil 35:511-8, Dec 73
 ACTION POTENTIALS/ ANIMAL
 EXPERIMENTS/ ELECTRODES, IMPLANTED/
 ESTROGENS, physiology/ *ESTRUS/ FEMALE/
 METHODS/ *MUSCLE CONTRACTION/
 PROGESTERONE, physiology/ SHEEP/ TIME
 FACTORS/ *UTERUS, physiology
2734. Naess K: Hudreaksjoner ved systemisk administrasjon
 av legemidler.
 Tidsskr Nor Lægeforen 93:2498-9, 10 Dec 73 (Nor)
 *ANTIBIOTICS, adverse effects/
 ANTITUBERCULAR AGENTS, adverse effects/
 ASPIRIN, pharmacodynamics/ CLINICAL
 RESEARCH/ CONTRACEPTIVES, ORAL,
 adverse effects/ *DERMATITIS
 MEDICAMENTOSA, etiology/ DYES,
 pharmacodynamics/ *ECZEMA, chemically
 induced/ ERYTHEMA MULTIFORME,
 chemically induced/ HUMAN/ PLACEBOS/
 SALICYLATES, adverse effects/ SKIN, drug
 effects/ URTICARIA, chemically induced

2735. Naess K: Vitamin B6-pyridoksin. Gammelt og nytt av

AUTHOR SECTION

- biokjemisk og klinisk interesse.
Tidsskr Nor Laegeforen 93:2055-7, 30 Sep 73 (6 ref.)
(Nor)
- AMINO ACIDS, metabolism/ ANIMAL
EXPERIMENTS/ CONTRACEPTIVES, ORAL,
adverse effects/ FEMALE/ HUMAN/
ISONIAZID, adverse effects/ MONKEYS/
PREGNANCY/ *PYRIDOXINE DEFICIENCY,
complications/ PYRIDOXINE DEFICIENCY,
metabolism/ REVIEW/ XANTHENES,
metabolism
2736. Naftchi NE, Demeny M, DeCrescito V, et al: Biogenic
amine concentrations in traumatized spinal cords of
cats. Effect of drug therapy.
J Neurosurg 40:52-7, Jan 74
AMINOCAPROIC ACID, administration &
dosage/ *AMINOCAPROIC ACID, therapeutic
use/ ANIMAL EXPERIMENTS/ *BIOGENIC
AMINES, metabolism/ CATS/ DISEASE
MODELS, ANIMAL/ DOPAMINE, metabolism/
FEMALE/ HISTAMINE, metabolism/ MALE/
METHYLPREDNISOLONE, administration &
dosage/ *METHYLPREDNISOLONE, therapeutic
use/ NOREPINEPHRINE, metabolism/
SEROTONIN, metabolism/ SPINAL CORD,
metabolism/ SPINAL CORD INJURIES, drug
therapy/ *SPINAL CORD INJURIES,
metabolism
2737. Nagai K, Nakagawa H: Cold adaptation. 3. Effects of
catecholamines and thyroid hormone on induction of
liver phosphoenolpyruvate carboxykinase on
cold-exposure. J Biochem (Tokyo) 74:873-9, Nov 73
ACCLIMATIZATION/ ADRENALECTOMY/
ANIMAL EXPERIMENTS/
CATECHOLAMINES, pharmacodynamics/
CHLORPROMAZINE, pharmacodynamics/
*COLD/ ENZYME INDUCTION/
GLUCONEOGENESIS/ HEXAMETHONIUM
COMPOUNDS, pharmacodynamics/ *LIVER,
enzymology/ MALE/ PHENOXYBENZAMINE,
pharmacodynamics/
*PHOSPHOENOLPYRUVATE
CARBOXYKINASE, metabolism/
PROPRANOLOL, pharmacodynamics/ RATS/
RESERPINE, pharmacodynamics/ *THYROID
HORMONES, pharmacodynamics/
THYROIDECTOMY
2738. Nagaki J, Teraoka M, Hirota Y: [Sodium and potassium
in erythrocytes (author's transl)]
Jap J Clin Pathol 21:853-7, Aug 73 (Jap)
ADULT/ *ERYTHROCYTES, analysis/ HUMAN/
HYPERTENSION, blood/ HYPERTHYROIDISM,
blood/ *POTASSIUM, blood/ *SODIUM, blood/
THYROXINE, blood
2739. Nagano T, Okumura K: Fine structural changes of
allergic aspermatogenesis in the guinea pig. I. The
similarity in the initial changes induced by passive
transfer of anti-testis serum and by immunization
with testicular tissue.
Virchows Arch [Zellpathol] 14:223-35, 7 Dec 73
ANIMAL EXPERIMENTS/ ANTIBODIES,
isolation & purification/ CELL-FREE SYSTEM/
FLUORESCENT ANTIBODY TECHNIC/
*GUINEA PIGS/ *HYPERSENSITIVITY,
pathology/ IMMUNE SERUMS/
IMMUNIZATION/ MALE/ MICROSCOPY/
MICROSCOPY, ELECTRON/ SERTOLI CELLS/
SPERMATOZOA/ *STERILITY, MALE,
pathology/ TESTIS, immunology/ TIME
FACTORS
2740. Nagano T, Okumura K: Fine structural changes of
allergic aspermatogenesis in the guinea pig. II.
Induced by the homologous parotid gland as antigen.
Virchows Arch [Zellpathol] 14:237-45, 7 Dec 73
ANIMAL EXPERIMENTS/ CROSS
REACTIONS/ FLUORESCENT ANTIBODY
TECHNIC/ GEL DIFFUSION TESTS/
*GUINEA PIGS/ GUINEA PIGS, immunology/
*HYPERSENSITIVITY, pathology/ IMMUNE
SERUMS/ MALE/ MICROSCOPY, ELECTRON/
*PAROTID GLAND, immunology/ SERTOLI
CELLS/ SPERMATOZOA/ *STERILITY, MALE,
pathology/ TESTIS, immunology/ TESTIS,
pathology
2741. Nagaoka Y: [Histological and clinical study on
thymoma]
J Jap Assoc Thorac Surg 21:768-93, Aug 73 (Jap)
ADOLESCENCE/ ADULT/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
MIDDLE AGE/ *THYMOMA, pathology/
THYMOMA, therapy/ *THYMUS NEOPLASMS,
pathology/ THYMUS NEOPLASMS, therapy
2742. Nagasawa H, Yanai R, Kikuyama S, et al: Pituitary
secretion of prolactin, luteinizing hormone and
follicle-stimulating hormone in adult female rats
treated neonatally with oestrogen.
J Endocrinol 59:599-604, Dec 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ BODY WEIGHT/ *ESTRADIOL,
pharmacodynamics/ ESTRUS/ FEMALE/ *FSH,
secretion/ *LH, secretion/ *PITUITARY
GLAND, secretion/ *PROLACTIN, secretion/
RADIOIMMUNOASSAY/ RATS/ VAGINAL
SMEARS
2743. Nagasawa H, Yanai R, Kikuyama S, et al: Effect of
neonatal administration of prolactin on pituitary
secretion of prolactin and gonadotropins in adult
female rats. J Endocrinol 59:377-8, Nov 73
ANIMAL EXPERIMENTS/ *ANIMALS,
NEWBORN, metabolism/ FEMALE/ FSH,
blood/ *GONADOTROPINS, secretion/ LH,
blood/ OVARY, anatomy & histology/
*PITUITARY GLAND, secretion/
PROLACTIN, pharmacodynamics/
PROLACTIN, secretion/
RADIOIMMUNOASSAY/ RATS
2744. Nagle CA, Cardinali DP, Rosner JM: Uptake of estradiol
by the rat pineal organ. Effects of cervical
sympathectomy, stage of the estrous cycle and
estradiol treatment. Life Sci 13:1089-103, 16 Oct 73
ANIMAL EXPERIMENTS/ BINDING SITES/
BIOLOGICAL TRANSPORT/ CELL NUCLEUS,
metabolism/ CHROMATOGRAPHY, THIN
LAYER/ COMPARATIVE STUDY/ CYTOSOL,
metabolism/ *ESTRADIOL, metabolism/
ESTRADIOL, pharmacodynamics/ *ESTRUS,
drug effects/ FEMALE/ GANGLIA,
AUTONOMIC, physiology/ ORGAN
SPECIFICITY/ PINEAL BODY, cytology/
PINEAL BODY, drug effects/ *PINEAL
BODY, metabolism/ PROTEIN BINDING/
RATS/ RECEPTORS, HORMONE/
SYMPATHECTOMY/ TIME FACTORS/
TRITIUM/ ULTRACENTRIFUGATION/
UTERUS, cytology/ UTERUS, metabolism
2745. Nagle CA, Cardinali DP, De Laborde NP, et al:
Sex-dependent changes in rat retinal
hydroxyindole-O-methyl transferase.
Endocrinology 91:294-7, Jan 74
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ CASTRATION/ ESTRADIOL,
pharmacodynamics/ *ESTRUS/ FEMALE/
MALE/ *METHYLTRANSFERASES,
metabolism/ ORGAN WEIGHT/ OVARY,
physiology/ PINEAL BODY, physiology/
RATS/ *RETINA, enzymology/ SEROTONIN/
TESTIS, anatomy & histology/
TESTOSTERONE, blood
2746. Nalk DV: Immunohistochemical localization of
adrenocorticotropin and melanocyte stimulating
hormone in pars intermedia of rat hypophysis.
Z Zellforsch Mikrosk Anat 142:289-304, 17 Sep 73
ANIMAL EXPERIMENTS/ CATTLE/
*CORTICOTROPIN, analysis/
HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNE
SERUMS/ MALE/ METHODS/ *MSH, analysis/
*PITUITARY GLAND, analysis/ RABBITS,
immunology/ RADIOIMMUNOASSAY/ RATS/
STAINS AND STAINING/ SWINE
2747. Nalk DV: Electron microscopic-immunocytochemical
localization of adrenocorticotropin and melanocyte
stimulating hormone in the pars intermedia cells of
rats and mice.
Z Zellforsch Mikrosk Anat 142:305-28, 17 Sep 73
ANIMAL EXPERIMENTS/ CATTLE/ CELL
NUCLEUS/ *CORTICOTROPIN, analysis/
ENDOPLASMIC RETICULUM/ FEMALE/
GOLGI APPARATUS/

AUTHOR SECTION

- HISTOCYTOCHEMISTRY/ HUMAN/ MALE/
MICE/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ *MSH, analysis/
*PITUITARY GLAND, analysis/ RABBITS,
immunology/ RATS/ SWINE
2748. Naitoh Y, Eckert R, Friedman K: A regenerative calcium response in Paramoecium.
J Exp Biol 56:667-81, Jun 72
*ACTION POTENTIALS/ BIOLOGICAL
TRANSPORT, ACTIVE/ *CALCIUM,
metabolism/ CELL MEMBRANE
PERMEABILITY/ CELL MOVEMENT/ CILIA,
physiology/ ELECTRIC STIMULATION/
MEMBRANE POTENTIALS/ PARAMOECIUM,
metabolism/ *PARAMOECIUM, physiology
2749. Najjar VA, Constantopoulos A: The activation of adenylate cyclase. I. A postulated mechanism for fluoride and hormone activation of adenylate cyclase.
Mol Cell Biochem 2:87-93, 15 Nov 73
*ADENYL CYCLASE, blood/ ADENYL
CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ BINDING SITES/ BLOOD
PLATELETS, cytology/ BLOOD PLATELETS,
drug effects/ *BLOOD PLATELETS,
enzymology/ CELL MEMBRANE, drug effects/
CELL MEMBRANE, enzymology/
COMPARATIVE STUDY/ ENZYME
ACTIVATION/ *FLUORIDES,
pharmacodynamics/ KINETICS/ LEUKOCYTES,
cytology/ LEUKOCYTES, drug effects/
*LEUKOCYTES, enzymology/ MODELS,
BIOLOGICAL/ PHOSPHORUS
RADIOISOTOPES/ *PROSTAGLANDINS,
pharmacodynamics/ PROTEIN BINDING/
PROTEIN KINASE, metabolism/ RABBITS/
TIME FACTORS
2750. Nakajima S, Iwasaki T: Dependence of the anterior olfactory area self-stimulation upon the lateral hypothalamic area. Physiol Behav 11:827-31, Dec 73
ANIMAL EXPERIMENTS/ AVOIDANCE
LEARNING, drug effects/ CONDITIONING,
OPERANT, drug effects/ ELECTROSHOCK/
GLUTAMATES, pharmacodynamics/
HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, physiology/ *LIMBIC
SYSTEM, physiology/ MALE/ NEURAL
INTERCONNECTIONS/ OLFACTORY BULB,
physiology/ PROCAINE, pharmacodynamics/
RATS/ REACTION TIME, drug effects/
REWARD/ *SELF STIMULATION
2751. Nakajima Y, Endo M: Release of calcium induced by 'depolarisation' of the sarcoplasmic reticulum membrane. Nature (New Biol) 246:216-8, 19 Dec 73
ANIMAL EXPERIMENTS/ CAFFEINE,
pharmacodynamics/ *CALCIUM, metabolism/
CHLORIDES, pharmacodynamics/ FERRITIN/
IN VITRO/ *MEMBRANE POTENTIALS/
MICROSCOPY, ELECTRON/ SARCOPLASMIC
RETICULUM, drug effects/ *SARCOPLASMIC
RETICULUM, metabolism/ SARCOPLASMIC
RETICULUM, physiology/ XENOPUS
2752. Nakamura M, Sawal Y, Abe M, et al: Clinical evaluation of 99mTc-labeled sodium tripolyphosphate as a bone imaging agent. Tohoku J Exp Med 110:289-96, Jul 73
ANIMAL EXPERIMENTS/ *BONE AND
BONES/ BREAST NEOPLASMS/
COMPARATIVE STUDY/ EVALUATION
STUDIES/ HUMAN/ LUNG NEOPLASMS/
NEOPLASM METASTASIS/ PELVIC
NEOPLASMS, diagnosis/ *PHOSPHATES/
*RADIOISOTOPE SCANNING/ RATS/ SPINAL
NEOPLASMS, diagnosis/ *TECHNETIUM
2753. Nakamura T, Tanabe Y: Dihydrotestosterone formation in vitro in the epididymis of the domestic fowl. J Endocrinol 59:851-2, Dec 73
ANDROSTENEDIONE, metabolism/
ANDROSTENES, metabolism/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
*CHICKENS, metabolism/ *EPIDIDYMIS,
metabolism/ MALE/ *STANOLONE,
biosynthesis/ TESTOSTERONE, metabolism
2754. Nakano J, McCloy RB, Franca AV: Circulatory and pulmonary airway responses to different mixtures of prostaglandins E2 and F2 alpha in dogs.
Eur J Pharmacol 24:61-6, Oct 73
AIRWAY RESISTANCE, drug effects/
ANIMAL EXPERIMENTS/ *BLOOD
CIRCULATION, drug effects/ BLOOD
PRESSURE, drug effects/ DOGS/
DOSE-RESPONSE RELATIONSHIP, DRUG/
HISTAMINE, pharmacodynamics/ *LUNG, drug
effects/ *PROSTAGLANDINS,
pharmacodynamics/ PULMONARY ARTERY,
drug effects/ SPIROMETRY/ TIME FACTORS/
VASOCONSTRICTOR AGENTS,
pharmacodynamics
2755. Nakano M, Fukuyama H, Suwa K, et al: Thyroxine delodination associated with NADPH-dependent (enzymatic) and Fe3+-ADP-catalyzed (nonenzymatic) reactions in hepatic microsomes.
Proc Soc Exp Biol Med 144:164-7, 1 Oct 73
ADENOSINE DIPHOSPHATE/ ANIMAL
EXPERIMENTS/ ASCORBIC ACID,
metabolism/ CATALYSIS/ IN VITRO/
*IODINE, metabolism/ IODINE
RADIOISOTOPES/ IRON/ KINETICS/ LIPIDS,
metabolism/ MICROSOMES, LIVER,
enzymology/ *MICROSOMES, LIVER,
metabolism/ *NADP, metabolism/
OXIDATION-REDUCTION/ RATS/
*THYROXINE, metabolism
2756. Nanazhashvili IS, Krashenitsa GM, Litvinenko VD: Funktsional'noe sostoianie kory nadpocheknikov u bol'nykh sakharnym diabetom pri kurortnom lechenii v Essentukakh.
Vopr Kurortol Fizioter Lech Fiz Kult 38:409-14, 1973 (Rus)
*ADRENAL GLANDS, physiopathology/
*BALNEOLOGY/ *DIABETES MELLITUS,
therapy/ FEMALE/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, analysis/
MALE/ MUD THERAPY/ RUSSIAN
FEDERATION (EUROPE)
2757. Nanba R, Hiramatsu S: Effect of villikinin on the villus movements of the dog.
Acta Med Okayama 27:91-101, Aug 73
ANIMAL EXPERIMENTS/ DOGS/
*GASTROINTESTINAL HORMONES,
pharmacodynamics/ HYDROCHLORIC ACID,
pharmacodynamics/ INJECTIONS,
INTRAVENOUS/ *INTESTINAL MUCOSA, drug
effects/ INTESTINAL MUCOSA, physiology/
JEJUNUM, drug effects/ PANCREATIC JUICE,
secretion/ PERFUSION/ SECRETIN,
pharmacodynamics/ SEROTONIN,
pharmacodynamics/ STIMULATION,
CHEMICAL
2758. Nanda DK: Effect of some neuropharmacologic drugs on the supraoesophageal neurosecretory cells of Periplaneta americana.
Folia Biol (Krakow) 21:329-33, 1973
ALKALOIDS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *AUTONOMIC DRUGS,
pharmacodynamics/ BENZENE DERIVATIVES,
pharmacodynamics/ CARBAMATES,
pharmacodynamics/ *COCKROACHES, drug
effects/ FEMALE/ INDOLES,
pharmacodynamics/ MALE/
*NEUROSECRETION, drug effects/
NEUROSECRETORY SYSTEMS, cytology/
PENTYLENETETRAZOLE, pharmacodynamics/
STRYCHNINE, pharmacodynamics/ SULFATES,
pharmacodynamics
2759. Nanjundiah V: Chemotaxis, signal relaying and aggregation morphology.
J Theor Biol 42:83-105, 5 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
*CELL AGGREGATION/ *CHEMOTAXIS/
DIFFUSION/ KINETICS/ MATHEMATICS/
MODELS, BIOLOGICAL/ *MORPHOGENESIS/
MYXOMYCETES, enzymology/
MYXOMYCETES, physiology/ TIME FACTORS
2760. Naranjo CA, Kandzari SJ, Klingberg WG: Interstitial-cell tumor of testicle in children.
Urology 2:58-60, Jul 73
CHILD, PRESCHOOL/ *DISEASES IN TWINS/
HUMAN/ *LEYDIG CELL TUMOR,

AUTHOR SECTION

- complications/ LEYDIG CELL TUMOR, pathology/ LEYDIG CELL TUMOR, surgery/ MALE/ PUBERTY, PRECOCIOUS, etiology/ *TESTICULAR NEOPLASMS, complications/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, surgery/ TESTOSTERONE, blood
2761. Narasaki S, Kawal K, Kubota S, et al: [Videopupillographic perimetry. 2. Findings and its method used in human and rabbits eyes (author's transl)]
Acta Soc Ophthalmol Jap 77:1278-310, Sep 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ AMBLYOPIA, physiopathology/ ANIMAL EXPERIMENTS/ CHILD/ ENGLISH ABSTRACT/ EYE INJURIES, physiopathology/ FEMALE/ HEAD INJURIES, physiopathology/ HUMAN/ MALE/ METHODS/ *PERIMETRY/ PITUITARY NEOPLASMS, physiopathology/ *PUPIL, physiology/ RABBITS
2762. Narasimhachari N, Lin RL, Plaut J, et al: Selective and specific thin-layer chromatographic, gas chromatographic and gas chromatographic-mass spectrometric methods for the assay of indolethylamine N-methyltransferase activity.
J Chromatogr 86:123-31, 7 Nov 73
ANIMAL EXPERIMENTS/ BUFANOLIDES/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ DIMETHYLAMINES/ LUNG, enzymology/ METHODS/ *METHYLTRANSFERASES, analysis/ RABBITS/ SEROTONIN/ SPECTRUM ANALYSIS, MASS/ TRYPTAMINES
2763. Narbutt B, Grabski J, Zych F, et al: A histo-cytometric study of the adrenal cortex in Cushing's disease.
Endokrynol Pol 24:355-61, Sep-Oct 73
ADOLESCENCE/ ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, pathology/ ADRENALECTOMY/ ADULT/ AUTOPSY/ COMPARATIVE STUDY/ *CUSHING'S SYNDROME, pathology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ ORGAN WEIGHT
2764. Narita S, Shibata O, Waki S, et al: Adrenaline and noradrenaline secretion of the adrenal gland in conscious dogs in response to pilocarpine and nicotine.
Tohoku J Exp Med 110:303-5, Jul 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, secretion/ ANIMAL EXPERIMENTS/ DOGS/ *EPINEPHRINE, secretion/ INJECTIONS, INTRAVENOUS/ NICOTINE, administration & dosage/ *NICOTINE, pharmacodynamics/ *NOREPINEPHRINE, secretion/ PILOCARPINE, administration & dosage/ *PILOCARPINE, pharmacodynamics/ STIMULATION, CHEMICAL/ WAKEFULNESS
2765. Nash H: Treatment with new synthetic analogue of vasopressin in diabetes insipidus.
Arch Dis Child 48:979-80, Dec 73
ADMINISTRATION, INTRANASAL/ ARGININE/ CHILD/ DIABETES INSIPIDUS, blood/ *DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ FEMALE/ HUMAN/ OSMOLAR CONCENTRATION/ VASOPRESSIN, administration & dosage/ *VASOPRESSIN, therapeutic use
2766. Nasu T, Tsukahara Y, Terayama K: A lipid metabolic disease—"membranous lipodystrophy"—an autopsy case demonstrating numerous peculiar membrane-structures composed of compound lipid in bone and bone marrow and various adipose tissues.
Acta Pathol Jap 23:539-58, Aug 73
*ADIPOSE TISSUE, analysis/ ADIPOSE TISSUE, pathology/ ADULT/ AUTOPSY/ *BONE AND BONES, analysis/ BONE AND BONES, pathology/ *BONE MARROW, analysis/ BONE MARROW, pathology/ BRAIN, pathology/ BRAIN CHEMISTRY/ CEREBROSIDES, analysis/ FATTY ACIDS, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ *LIPIDS, analysis/ LIPODYSTROPHY, metabolism/ *LIPODYSTROPHY, pathology/ MALE/ MICROSCOPY, ELECTRON
2767. Nasu T, Urakawa N: Effect of cholinergic drugs on calcium movement in guinea pig taenia coli.
Jap J Pharmacol 23:553-61, Aug 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ CARBACHOL, pharmacodynamics/ COLON, metabolism/ COMPARATIVE STUDY/ GUINEA PIGS/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ STIMULATION, CHEMICAL
2768. Nathanfelsz PW, Thomas AL: Plasma triiodothyronine concentration in the newborn calf.
Experientia 29:1426, 15 Nov 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *CATTLE/ RADIOIMMUNOASSAY/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood
2769. Nayer P de: Fonction thyroïdienne au cours des états fébriles.
Acta Clin Belg 28:223-7, Jul 73 (Fre)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEVER, etiology/ *FEVER, physiopathology/ HUMAN/ INFECTION, complications/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *THYROXINE, metabolism
2770. Nazarov GI: Keloid ushnykh rakovin.
Vestn Otorinolaringol 35:94, Nov-Dec 73 (Rus)
ADULT/ CASE REPORT/ EAR, EXTERNAL/ FEMALE/ HUMAN/ *KELOID, drug therapy/ PREDNISONE, therapeutic use
2771. Neacsu C: L'expression endocrinométabolique du stress dans l'effort sportif.
Rev Roum Physiol 10:397-405, 1973 (Fre)
*ENDOCRINE DISEASES, etiology/ *EXERTION/ HUMAN/ *METABOLIC DISEASES, etiology/ PHYSICAL EDUCATION AND TRAINING/ PITUITARY-ADRENAL SYSTEM, physiopathology/ *SPORT MEDICINE/ *STRESS, complications/ *STRESS, PSYCHOLOGICAL, complications
2772. Neary JT, Davidson B, Armstrong A, et al: Partial purification and some properties of thyroid peroxidase solubilized by alkaline treatment.
Prep Biochem 3:495-508, 1973
AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, THIN LAYER/ GEL FILTRATION/ GUAIACOL/ HYDROGEN-ION CONCENTRATION/ IODOTYROSINE/ MICROSOMES, enzymology/ MOLECULAR WEIGHT/ NUCLEIC ACIDS, analysis/ *PEROXIDASES/ PEROXIDASES, analysis/ PEROXIDASES, isolation & purification/ PHOSPHOLIPIDS, analysis/ PRECIPITATION/ SOLUBILITY/ SWINE/ THYROID GLAND, cytology/ *THYROID GLAND, enzymology/ ULTRACENTRIFUGATION
2773. Neathery MW, Miller WJ, Blackmon DM, et al: Zinc-65 metabolism, secretion into milk, and biological half-life in lactating cows.
J Dairy Sci 56:1526-30, Dec 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ DIET/ FECES, analysis/ FEMALE/ HALF-LIFE/ *LACTATION/ MILK, analysis/ *MILK, metabolism/ PREGNANCY/ RADIOISOTOPES/ ZINC, administration & dosage/ ZINC, analysis/ *ZINC, metabolism/ ZINC ISOTOPES
2774. Neaves WB: Permeability of Sertoli cell tight junctions to lanthanum after ligation of ductus deferens and ductuli efferentes.
J Cell Biol 59:559-72, Dec 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/ COMPARATIVE STUDY/ INTERCELLULAR JUNCTIONS/ *LANTHANUM, diagnostic use/ LIGATION/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/

AUTHOR SECTION

- PERMEABILITY/ RATS/ *SERTOLI CELLS, cytology/ TESTIS, blood supply/ TESTIS, pathology/ *TESTIS, physiology/ TESTIS, secretion/ *VAS DEFERENS, physiology/ *VASECTOMY
2775. Nebolsina LI, Markov KhM: Izmenenie soderzhanila nekotorykh biogennykh monoaminov v krovi i moche u detei i podrostkov s pervichnoi arterial'noi gipertoniei. *Pediatrics* 52:11-4, Apr 73 (Rus)
ADOLESCENCE/ CATECHOLAMINES, blood/ *CATECHOLAMINES, metabolism/ CATECHOLAMINES, urine/ HISTAMINE, blood/ *HISTAMINE, metabolism/ HISTAMINE, urine/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, metabolism/ HYPERTENSION, urine/ SEROTONIN, blood/ *SEROTONIN, metabolism/ SEROTONIN, urine
2776. Nechushkina TG: Dezaminirovanie nekotorykh biogennykh aminov monoaminoxidazoi mitokhondrii pecheni plodov cheloveka. *Zh Evol Biokhim Fiziol* 9:91-2, Jan-Feb 73 (Rus)
BENZYL COMPOUNDS, metabolism/ *BIOGENIC AMINES, metabolism/ DEAMINATION/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ *LIVER, embryology/ LIVER, enzymology/ *MITOCHONDRIA, LIVER, enzymology/ *MONOAMINE OXIDASE, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ TYRAMINE, metabolism
2777. Neelon FA, Birch BM, Lebovitz HE: Preparative solvent partition chromatography of butyrylated cyclic AMP analogues. *Anal Biochem* 56:74-83, Nov 73
*DIBUTYRYL CYCLIC AMP, isolation & purification/ GEL FILTRATION/ HYDROLYSIS/ METHODS/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TRITIUM
2778. Neelon FA, Birch BM: Cyclic adenosine 3':5'-monophosphate-dependent protein kinase. *J Biol Chem* 248:381-5, 25 Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, isolation & purification/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ BINDING SITES/ BUTYRATES/ BUTYRATES, isolation & purification/ CASEIN/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ *DIBUTYRYL CYCLIC AMP/ ENZYME ACTIVATION/ GEL FILTRATION/ KINETICS/ MATHEMATICS/ *MUSCLES, enzymology/ PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ *PROTEIN KINASE/ PROTEIN KINASE, antagonists & inhibitors/ PROTEIN KINASE, isolation & purification/ TRITIUM
2779. Nefedieva NN: Lechenie deformatsii na pochve nesovershennogo osteogeneza po metodu M. V. Volkova. *Ortop Travmatol Protez* 34:5-9, May 73 (Rus)
ADOLESCENCE/ *BONE AND BONES, transplantation/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEG, surgery/ MALE/ *OSTEOGENESIS IMPERFECTA, surgery/ *OSTEOTOMY/ TRANSPLANTATION, HOMOLOGOUS
2780. Negoro H, Visessuwan S, Holland RC: Reflex activation of paraventricular nucleus units during the reproductive cycle and in ovariectomized rats treated with oestrogen or progesterone. *J Endocrinol* 59:559-67, Dec 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ CASTRATION/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ESTRUS/ FEMALE/ FOOT, physiology/ *HYPOTHALAMUS, physiology/ LACTATION/ *NEURONS, physiology/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ RATS/ *REFLEX, drug effects/ *REPRODUCTION/ STRESS/ VAGINA, physiology
2781. Negoro H, Visessuwan S, Holland RC: Unit activity in the paraventricular nucleus of female rats at different stages of the reproductive cycle and after ovariectomy, with or without oestrogen or progesterone treatment. *J Endocrinol* 59:545-58, Dec 73
ACTION POTENTIALS/ ANIMAL EXPERIMENTS/ *CASTRATION/ ESTROGENS, pharmacodynamics/ ESTRUS/ FEMALE/ *HYPOTHALAMUS, physiology/ LABOR/ LACTATION/ *NEURONS, physiology/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ *REPRODUCTION/ *SEX HORMONES, pharmacodynamics
2782. Negrel LM, Sopotsins'ka OB, Balenko NV, et al: Zminy vmistu fihrynohenu i kortykosteroidiv krovi shchuriv pry rozvytku eksperymental'noho raku lehen. *Fiziol Zh* 19:530-3, Jul-Aug 73 (Ukr)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *FIBRINOGEN, analysis/ *11-HYDROXYCORTICOSTEROIDS, blood/ *LUNG NEOPLASMS, blood/ RATS
2783. Negri L, Falconieri Ersamer G, Piccinelli D: The action of polypeptides, amines and prostaglandins on isolated smooth muscle preparations of seminal vesicles and deferent ducts. *Arch Int Pharmacodyn Ther* 205:23-8, Sep 73
ACETYLCHOLINE, pharmacodynamics/ *AMINES, pharmacodynamics/ ANGIOTENSIN, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRADYKININ, pharmacodynamics/ CAerulein, pharmacodynamics/ ELEDOISIN, pharmacodynamics/ FROGS/ GUINEA PIGS/ HAMSTERS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ OXYTOCIN, pharmacodynamics/ *PEPTIDES, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *SEMINAL VESICLES, drug effects/ SEROTONIN, pharmacodynamics/ SUBSTANCE P, pharmacodynamics/ *VAS DEFERENS, drug effects/ VASOPRESSIN, pharmacodynamics
2784. Neizhakh SA: Geneticheskie funktsii mitokhondrii. *Vestn Akad Med Nauk SSSR* 28:8-18, 1973 (Rus)
ADENOSINE TRIPHOSPHATE, physiology/ BACTERIA/ *CYTOGENETICS/ CYTOPLASM, physiology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DNA, MITOCHONDRIAL, physiology/ DRUG RESISTANCE/ ENERGY METABOLISM/ GENES/ GENETICS, BIOCHEMICAL/ *MITOCHONDRIA, physiology/ MOLECULAR BIOLOGY/ MUTATION/ PROTEINS, biosynthesis/ RECOMBINATION, GENETIC/ REVIEW/ RNA, physiology/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRANSCRIPTION, GENETIC
2785. Neil LJ, Bible B: Effect of soil type and daylength on the levels of isothiocyanates in the hypocotyl-root region of *Raphanus sativus*. *J Sci Food Agric* 24:1251-4, Oct 73
GOITER, etiology/ LIGHT/ PERIODICITY/ PHOSPHORUS, analysis/ *PLANTS, EDIBLE, metabolism/ POTASSIUM, analysis/ SODIUM, analysis/ *SOIL, analysis/ *THIOCYANATES, metabolism
2786. Nelstuen GL, Suttle JW: The mode of action of vitamin K. Isolation of a peptide containing the vitamin K-dependent portion of prothrombin. *Proc Natl Acad Sci USA* 70:3366-70, Dec 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BARIUM/ BINDING SITES/ CALCIUM, metabolism/ CARBON RADIOISOTOPES/ CATTLE/ CITRATES/ GEL FILTRATION/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ IODOACETATES/ MOLECULAR WEIGHT/ PEPTIDES, analysis/ *PEPTIDES, isolation & purification/ PEPTIDES, metabolism/ *PROTHROMBIN, analysis/ PROTHROMBIN, metabolism/ *VITAMIN K, metabolism
2787. Nelson CN, Hoffer BJ, Chu NS, et al: Cytochemical and pharmacological studies on polysensory neurons in the primate frontal cortex. *Brain Res* 82:115-33, 9 Nov 73
ACETYLCHOLINE, pharmacodynamics/

AUTHOR SECTION

- AMINO BUTYRIC ACID, pharmacodynamics/
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ DESIPRAMINE,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ DRUG SYNERGISM/
*FRONTAL LOBE, drug effects/
GLUTAMATES, pharmacodynamics/ GLYCINE,
pharmacodynamics/ HISTOCYTOCHEMISTRY/
HYDROXYDOPAMINE, pharmacodynamics/
IONTOPHORESIS/ MALE/ MICROSCOPY,
ELECTRON/ MICROSCOPY, FLUORESCENCE/
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effects/ NEURAL-TRANSMISSION, drug
effects/ *NEUROHUMORS, pharmacodynamics/
*NEURONS, drug effects/ NOREPINEPHRINE,
pharmacodynamics/ SEROTONIN,
pharmacodynamics/ TRITIUM
2788. Nelson MM: Fluorescent bodies in amniotic fluid cells.
Cln Genet 4:252-5, 1973
*AMNIOTIC FLUID, cytology/ COMPARATIVE
STUDY/ FEMALE/ FLUORESCENT DYES,
diagnostic use/ HUMAN/ METHODS/
PREGNANCY/ *PRENATAL DIAGNOSIS/
QUINACRINE, diagnostic use/ *SEX
CHROMATIN/ *SEX DETERMINATION/ TIME
FACTORS
2789. Neskromna U: Badanie markeru chromosomu
X-dehydrogenazy glukozo-6-forsoranowrj (G-6-PD) u
chorych z dysgenezją gonad.
Endokrynol Pol 24:311-6, Jul-Aug 73 (Pol)
ENGLISH ABSTRACT/ ERYTHROCYTES,
enzymology/ FEMALE/ *GLUCOSEPHOSPHATE
DEHYDROGENASE, metabolism/
HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/
*SEX CHROMOSOMES/ *TURNER'S
SYNDROME, enzymology
2790. Netakhata ZhN, Llapun SN: Pokazatel
aminokislотного обмена pri patologii vnutriennykh
erganev. Sov Med 36:38-43, Mar 73 (Rus)
AMINO ACIDS, analysis/ AMINO ACIDS,
blood/ *AMINO ACIDS, metabolism/
AMINOACIDURIA, RENAL, etiology/
ASCORBIC ACID DEFICIENCY, complications/
*CARDIOVASCULAR DISEASES, metabolism/
CHROMATOGRAPHY, PAPER/ ENDOCRINE
DISEASES, metabolism/ *GASTROINTESTINAL
DISEASES, metabolism/ HUMAN/ *KIDNEY
DISEASES, metabolism/ *NEOPLASMS,
metabolism/ PYRIDOXINE DEFICIENCY,
complications/ REVIEW/ RHEUMATISM,
metabolism/ VITAMIN D DEFICIENCY,
complications
2791. Neto GA de: Diagnóstico cintilográfico.
Rev Assoc Med Bras 19:261-2, Jun 73 (Por)
FEMALE/ *GOITER, NODULAR, diagnosis/
HUMAN/ MIDDLE AGE/ *RADIOISOTOPE
SCANNING
2792. Neubauer H: Notfalldiagnostik und -therapie aus der
Sicht der Ophthalmologie.
Med Welt 24:1563-5, 12 Oct 73 (Ger)
ADOLESCENCE/ AGED/ BLINDNESS, etiology/
CHILD/ EXOPHTHALMOS, diagnosis/
EXOPHTHALMOS, therapy/ *EYE DISEASES,
diagnosis/ EYE DISEASES, therapy/ *EYE
INJURIES, diagnosis/ EYE INJURIES, therapy/
*FIRST AID/ GLAUCOMA, diagnosis/ HUMAN
2793. Neuhäuser G: Die Kräuselhaarkrankheit-ein neues
Syndrom mit zerebraler Degeneration.
Hippokrates 44:316-8, Oct 73 (11 ref.) (Ger)
*ABNORMALITIES, MULTIPLE/
CERULOPLASMIN, metabolism/ COPPER,
metabolism/ FEMALE/ *HAIR, abnormalities/
HUMAN/ INFANT/ INFANT, NEWBORN/
MALE/ *MENTAL RETARDATION,
complications/ METAL METABOLISM,
INBORN ERRORS/ REVIEW/ SEX
CHROMOSOME ABNORMALITIES/ SEX
FACTORS/ SYNDROME
2794. Neurath PW, Kess B, Low DA: Individualized human
karyotyping through quantitative analysis.
Comput Biol Med 2:181-93, Oct 72
CHROMOSOME ABERRATIONS/
COMPARATIVE STUDY/ COMPUTERS/
FEMALE/ HUMAN/ *KARYOTYPING/
LEUKOCYTES, cytology/ MALE/ SEX
CHROMOSOMES/ STATISTICS/ TRISOMY
2795. Nève P, Wollman SH: Crystals in dense bodies in the
typical thyroid epithelial cell of the I mouse.
J Natl Cancer Inst 51:859-65, Aug 73
ANIMAL EXPERIMENTS/ *CYTOPLASMIC
GRANULES/ EPITHELIAL CELLS/
*LYSOSOMES/ MALE/ MEMBRANES/ MICE/
*MICE, INBRED STRAINS/ MICROSCOPY,
ELECTRON/ *THYROID GLAND, cytology
2796. New PF, Scott WR, Schnur JA, et al: Computerized
axial tomography with the EMI scanner.
Radiology 110:109-23, Jan 74
ADENOCARCINOMA, radiography/ ADENOMA,
radiography/ ADOLESCENCE/ ADULT/ AGED/
ASTROCYTOMA, radiography/ *BRAIN,
radiography/ BRAIN NEOPLASMS,
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MALFORMATIONS, radiography/ CEREBRAL
HEMORRHAGE, radiography/
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radiography/ DATA DISPLAY/ FEMALE/
GLIOBLASTOMA MULTIFORME, radiography/
HUMAN/ HYDROCEPHALUS, radiography/
MALE/ MENINGIOMA, radiography/
METHODS/ MIDDLE AGE/ PITUITARY
NEOPLASMS, radiography/ *TOMOGRAPHY,
RADIOGRAPHIC
2797. Newball HH, Byar DP: Does reserpine increase
prolactin and exacerbate cancer of prostate? Case
control study. Urology 2:525-9, Nov 73
ACID PHOSPHATASE, analysis/ AGED/
CARDIOVASCULAR DISEASES, mortality/
HUMAN/ HYPERTENSION, complications/
*HYPERTENSION, drug therapy/ MALE/
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PROLACTIN, physiology/ PROSTATE, drug
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NEOPLASMS, complications/ *PROSTATIC
NEOPLASMS, metabolism/ PROSTATIC
NEOPLASMS, mortality/ PROTEIN BINDING/
*RESERPINE, adverse effects/ RESERPINE,
pharmacodynamics/ TESTOSTERONE,
metabolism
2798. Newberne PM: The influence of nutrition response to
infectious disease.
Adv Vet Sci Comp Med 17:265-89, 1973 (80 ref.)
ANIMAL EXPERIMENTS/ *ANIMAL
NUTRITION/ CHICKENS/ DISTEMPER,
complications/ DOGS/ FEMALE/ HAMSTERS/
HELMINTHIASIS, veterinary/ HUMAN/
INFECTION, complications/ *INFECTION,
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MICE/ NUTRITION DISORDERS,
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SALMONELLA INFECTIONS, ANIMAL,
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complications/ VITAMIN A DEFICIENCY,
veterinary/ VITAMIN B DEFICIENCY,
veterinary/ VITAMIN D DEFICIENCY,
veterinary/ VITAMIN E DEFICIENCY,
veterinary
2799. Newman A, Katsaris J, Blendis LM, et al:
Small-intestinal injury in women who have had pelvic
radiotherapy. Lancet 2:1471-3, 29 Dec 73
ADULT/ AGED/ *CERVIX NEOPLASMS,
radiotherapy/ DIARRHEA, etiology/ FEMALE/
HUMAN/ ILEUM, radiation effects/
INTESTINAL DISEASES, diagnosis/
INTESTINAL DISEASES, etiology/
INTESTINAL DISEASES, radiography/
*INTESTINE, SMALL, radiation effects/
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MALABSORPTION SYNDROMES, etiology/
MIDDLE AGE/ *OVARIAN NEOPLASMS,
radiotherapy/ RADIATION DOSAGE/
RADIATION EFFECTS/ *RADIOTHERAPY,
adverse effects/ RECTUM, radiation effects/
*UTERINE NEOPLASMS, radiotherapy

AUTHOR SECTION

2800. Newman AJ, Heywood R, Palmer AK, et al: The administration of monosodium L-glutamate to neonatal and pregnant rhesus monkeys. Toxicology 1:197-204, Sep 73
ALANINE AMINOTRANSFERASE, blood/
ALANINE AMINOTRANSFERASE, metabolism/
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ ASPARTATE
AMINOTRANSFERASE, blood/ ASPARTATE
AMINOTRANSFERASE, metabolism/ BIRTH
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*GLUTAMATES, pharmacodynamics/
HYPOTHALAMUS, drug effects/ LIVER,
enzymology/ MACACA/ MALE/ MONKEYS/
PREGNANCY
2801. Newman DM, Walter JB: Multiple dermatofibromas in patients with systemic lupus erythematosus on immunosuppressive therapy. N Engl J Med 289:842-3, 18 Oct 73
ADULT/ AZATHIOPRINE, administration &
dosage/ FEMALE/ *FIBROMA, etiology/
FIBROMA, pathology/ HUMAN/ LUPUS
ERYTHEMATOSUS, SYSTEMIC, complications/
*LUPUS ERYTHEMATOSUS, SYSTEMIC, drug
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PRIMARY/ PREDNISONE, administration &
dosage/ PREDNISONE, therapeutic use/ *SKIN
NEOPLASMS, etiology/ SKIN NEOPLASMS,
pathology
2802. Newman RJ: The effects of thyroid hormone on vitamin D-induced nephrocalcinosis. J Pathol 111:13-21, Sep 73
ANIMAL EXPERIMENTS/ BASEMENT
MEMBRANE/ CARBIMAZOLE/ GERBILS/
HYPERTHYROIDISM, chemically induced/
HYPOTHYROIDISM, chemically induced/
KIDNEY, pathology/ KIDNEY CORTEX,
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LOOP OF HENLE, pathology/ MALE/
MITOCHONDRIA, physiology/
*NEPHROCALCINOSIS, chemically induced/
NEPHROCALCINOSIS, pathology/ *THYROID
HORMONES, physiology/
TRIIODOTHYRONINE/ *VITAMIN D
2803. Newmark SR, Dluhy RG, Bennett AH: Ectopic adrenocorticotropin syndrome with prostatic carcinoma. Urology 2:666-8, Dec 73
ADENOCARCINOMA, complications/ BLOOD
SUGAR, analysis/ CORTICOTROPIN, analysis/
CORTICOTROPIN, blood/ *CORTICOTROPIN,
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17-HYDROXYCORTICOSTEROIDS, urine/
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*NEOPLASTIC ENDOCRINE-LIKE
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ENDOCRINE-LIKE SYNDROMES, metabolism/
POTASSIUM, blood/ *PROSTATIC
NEOPLASMS, complications/ PSYCHOSES,
etiology/ SPIRONOLACTONE, therapeutic use
2804. Newton J, Collins W, Kilpatrick M, et al: Proceedings: Studies on synthetic LH-FSH-releasing hormone. J Reprod Fertl 35:622-3, Dec 73
*AMENORRHEA, diagnosis/ FEMALE/ FSH,
secretion/ HUMAN/ *HYPOPITUITARISM,
diagnosis/ LH, secretion/ *LH-FSH
RELEASING HORMONE, diagnostic use/
PITUITARY GLAND FUNCTION TESTS/
PITUITARY HORMONE RELEASING
HORMONES, pharmacodynamics/ SECRETORY
RATE, drug effects
2805. Nlada R, Prino G: Effect of a sulphated glycopeptide on rat gastric acid secretion stimulated by histamine, betanecol, pentagastrin and dibutyl cyclic AMP. Br J Pharmacol 48:550-2, Jul 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
antagonists & inhibitors/ ANIMAL
EXPERIMENTS/ BETHANECHOL
COMPOUNDS, antagonists & inhibitors/
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pharmacodynamics/ HISTAMINE, antagonists &
inhibitors/ MALE/ PENTAGASTRIN,
antagonists & inhibitors/ RATS/
THEOPHYLLINE, pharmacodynamics
2806. Nlas AH, Howard A, Greene D, et al: The response of Chinese hamster (ovary) cells to protracted irradiation from 252Cf and 60Co. Br J Radiol 46:991-5, Nov 73
AIR/ ANIMAL EXPERIMENTS/ ANOXIA/
*CALIFORNIUM/ *COBALT RADIOISOTOPES/
COMPARATIVE STUDY/ DOSE-RESPONSE
RELATIONSHIP, RADIATION/ FEMALE/
HAMSTERS/ *OVARY, radiation effects/
*RADIATION EFFECTS/ RADIOTHERAPY/
TISSUE CULTURE
2807. Nichols DE, Barfknecht CF, Long JP, et al: Potential psychotomimetics. 2. Rigid analogs of 2,5-dimethoxy-4-methylphenylisopropylamine (DOM, STP). J Med Chem 17:161-6, Feb 74
*AMPHETAMINE, chem synthesis/ ANIMAL
EXPERIMENTS/ AVOIDANCE LEARNING,
drug effects/ DOM, chem synthesis/ DOM,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ *HALLUCINOGENS,
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*NAPHTHALENES, chem synthesis/
NAPHTHALENES, pharmacodynamics/ RATS/
RECEPTORS, DRUG, drug effects/
SEROTONIN/ SHEEP/ STOMACH,
drug effects/ STRUCTURE-ACTIVITY
RELATIONSHIP/ UMBILICAL ARTERIES,
drug effects
2808. Nickerson PA, Gallant S: The effect of dihydrotestosterone in combination with ovariectomy on intranuclear inclusions in mammothrophs of the Mongolian gerbil. Tissue Cell 5:697-702, 1973
ANIMAL EXPERIMENTS/ CASTRATION/
CELL NUCLEUS/ COMPARATIVE STUDY/
ENDOPLASMIC RETICULUM, drug effects/
FEMALE/ GERBILS/ GOLGI APPARATUS,
cytology/ HISTOCYTOCHEMISTRY/
MICROSCOPY, ELECTRON/ ORGANIDS, drug
effects/ OVARY, physiology/ PITUITARY
GLAND, cytology/ *PITUITARY GLAND, drug
effects/ *STANOLONE, pharmacodynamics/
TESTOSTERONE, pharmacodynamics
2809. Nickerson PA, Molteni A, Nakayama I: Metastasis in a transplantable mammothrophic pituitary tumor. Cancer Res 33:3135-8, Dec 73
ADRENAL GLANDS, pathology/ ANIMAL
EXPERIMENTS/ CORTICOTROPIN, secretion/
FEMALE/ LYMPHATIC METASTASIS,
pathology/ MICROSCOPY, ELECTRON/
NEOPLASM TRANSPLANTATION/
NEOPLASMS, EXPERIMENTAL/
*NEOPLASTIC ENDOCRINE-LIKE
SYNDROMES/ *PITUITARY NEOPLASMS/
PITUITARY NEOPLASMS, pathology/ RATS/
RETROPERITONEAL SPACE/
TRANSPLANTATION, HOMOLOGOUS
2810. Nicol CJ, Rae RM: Proceedings: Inhibition of accumulation of adrenaline and noradrenaline in arterial smooth muscle by steroids. Br J Pharmacol 44:361P-362P, Feb 72
ANIMAL EXPERIMENTS/ ARTERIES,
metabolism/ COLLAGEN, metabolism/
*CORTICOSTERONE, pharmacodynamics/
DEPRESSION, CHEMICAL/
DIETHYLSTILBESTROL, pharmacodynamics/
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FEMALE/ IN VITRO/ MALE/ MICROSCOPY,
FLUORESCENCE/ *MUSCLE, SMOOTH,
metabolism/ *NOREPINEPHRINE, metabolism/
NORMETANEPHRINE, pharmacodynamics/
PERFUSION/ RABBITS
2811. Nicolls GD, Helwig EB: Exfoliative dermatitis. A clinicopathologic study of 135 cases.

AUTHOR SECTION

- Arch Dermatol 108:788-97, Dec 73
ADENOCARCINOMA, complications/
ADOLESCENCE/ ADULT/ AGED/
CARCINOMA, complications/ CHILD/ CHILD,
PRESCHOOL/ DERMATITIS EXFOLIATIVA,
complications/ DERMATITIS EXFOLIATIVA,
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complications/ LIVER NEOPLASMS,
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complications/ MALE/ MIDDLE AGE/
PROSTATIC NEOPLASMS, complications/
*SKIN, pathology/ SKIN DISEASES,
complications/ THYROID NEOPLASMS,
complications
2812. Niekerk CH van, Gerneke WH, Heerden JS van:
Anatomical and histological observations on the
reproductive tract of mares with abnormal oestrous
cycles. J S Afr Vet Assoc 44:141-52, Jun 73
ANIMAL EXPERIMENTS/ *ESTRUS/
FEMALE/ *GENITALIA, FEMALE, pathology/
GRAAFIAN FOLLICLE, anatomy & histology/
GRAAFIAN FOLLICLE, growth &
development/ GRAAFIAN FOLLICLE,
pathology/ *HORSE DISEASES, pathology/
HORSES/ OVARY, anatomy & histology/
OVARY, pathology/ UTERUS, anatomy &
histology/ UTERUS, pathology/ VAGINA,
anatomy & histology/ VAGINA, pathology
2813. Nielsen ES, Páby P, Wiggers S, et al: The value of early
triiodothyronine suppression test in the prognosis of
thyrotoxicosis.
Scand J Clin Lab Invest 31:395-8, Jun 73
ADMINISTRATION, ORAL/ ADULT/ AGED/
CARBIMAZOLE, therapeutic use/ FEMALE/
FOLLOW-UP STUDIES/ HUMAN/
*HYPERTHYROIDISM, diagnosis/
HYPERTHYROIDISM, drug therapy/ IODINE
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PROGNOSIS/ TIME FACTORS/
TRIIODOTHYRONINE,
administration & dosage/
*TRIIODOTHYRONINE, diagnostic use/
TRIIODOTHYRONINE, metabolism
2814. Nielsen H, Koch C, Müller-Berat N, et al: Y chromatin as
indicator of chimaerism following bone marrow
transplantation in severe combined
immunodeficiency. Scand J Immunol 2:327-31, 1973
*BONE MARROW CELLS, transplantation/
FEMALE/ GRAFT REJECTION/
HISTOCOMPATIBILITY/
HISTOCOMPATIBILITY TESTING/ HUMAN/
IMMUNOLOGIC DEFICIENCY SYNDROMES,
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LYMPHOCYTE TRANSFORMATION/ MALE/
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*MOSAICISM/ *SEX CHROMATIN/ TIME
FACTORS/ TRANSPLANTATION,
HOMOLOGOUS/ *TRANSPLANTATION
IMMUNOLOGY
2815. Niemann H, Schulz H: Fertilität und Trauma.
Andrologie 5:163-7, 1973 (Ger)
BRAIN DISEASES, complications/ CELL
COUNT/ CRYPTORCHISM, complications/
ENGLISH ABSTRACT/ HUMAN/ IMPOTENCE,
complications/ MALE/ MENTAL DISORDERS,
complications/ *ORCHITIS, complications/
SPERMATOZOA/ *STERILITY, MALE,
etiology/ STOMACH, DISEASES, complications/
*TESTIS, injuries
2816. Nieto A, Moya F, Candela JL: Isolation and properties
of two calcitonins from chicken ultimobranchial
glands. Biochim Biophys Acta 322:383-91, 18 Oct 73
AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ *CALCITONIN, analysis/
CALCITONIN, isolation & purification/
CALCITONIN, pharmacodynamics/ CHICKENS/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DANSYL
- COMPOUNDS/ ELECTROPHORESIS, DISC/
GEL FILTRATION/ HYPOCALCEMIA, blood/
MALE/ RATS/ SALMON/ SPECIES
SPECIFICITY/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ SWINE/ TIME FACTORS/
*ULTIMOBRANCHIAL BODY, analysis
2817. Nihel R, Hirooka Y, Yamauchi K, et al: [Experimental
and clinical evaluation of HTSH kit, no.1]
Clin Endocrinol (Tokyo) 21:1047-55, Oct 73 (Jap)
FEMALE/ HUMAN/ IODINE RADIOISOTOPES/
METHODS/ PREGNANCY/ RABBITS,
immunology/ RADIOIMMUNOASSAY/
*THYROTROPIN, blood/ THYROTROPIN
RELEASING HORMONE, pharmacodynamics
2818. Nijjar MS, Pritchard ET: Calcium binding by a plasma
membrane fraction isolated from rat submandibular
glands. Biochim Biophys Acta 323:391-5, 25 Oct 73
ACETYLCHOLINE, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
TRIPHOSPHATE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ *CALCIUM, metabolism/
CALCIUM RADIOISOTOPES/ CELL
MEMBRANE, drug effects/ *CELL
MEMBRANE, metabolism/ EPINEPHRINE,
pharmacodynamics/ FLUORIDES,
pharmacodynamics/ KINETICS/ MALE/ RATS/
STIMULATION, CHEMICAL/
SUBMANDIBULAR GLAND, cytology/
SUBMANDIBULAR GLAND, drug effects/
*SUBMANDIBULAR GLAND, metabolism/
TROMETHAMINE, pharmacodynamics
2819. Nikitina MM, Kuznetsova LV: Vliianie kastratsii na
luteiniziruiushchuiu funktsiiu gipofiza u intaktnykh i
androgenizirovannykh krysa.
Probl Endokrinol (Mosk) 19:76-82, Nov-Dec 73 (Rus)
AGE FACTORS/ ANIMAL EXPERIMENTS/
*CASTRATION/ ENGLISH ABSTRACT/
FEMALE/ *LH, blood/ MALE/ *PITUITARY
GLAND, growth & development/ PITUITARY
GLAND, metabolism/ RATS/ SEX FACTORS/
*TESTOSTERONE, pharmacodynamics
2820. Nikolaev OV, Kertsman VI, Kazeev KN, et al:
Khirurgicheskoe lechenie posleoperatsionnogo
retsidivnogo zoba.
Khirurgia (Mosk) 49:100-3, Nov 73 (Rus)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH
ABSTRACT/ *GOITER, surgery/ HUMAN/
*HYPERTHYROIDISM, surgery/ MIDDLE AGE/
RECURRENCE
2821. Nikolasev V, Resch BA, Mészáros J, et al: Phospholipid
content of early human placenta and fatty acid
composition of the individual phospholipids.
Steroids Lipids Res 4:76-85, Mar 73
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/ FATTY
ACIDS, analysis/ *FATTY ACIDS, metabolism/
FATTY ACIDS, UNSATURATED, analysis/
FATTY ACIDS, UNSATURATED, metabolism/
FEMALE/ HUMAN/ PHOSPHOLIPIDS,
analysis/ *PHOSPHOLIPIDS, metabolism/
PLACENTA, analysis/ PLACENTA, growth &
development/ *PLACENTA, metabolism/
PREGNANCY/ TIME FACTORS
2822. Nilsson G: Self-limiting episodes of Jodbasedow.
Acta Endocrinol (Kbh) 74:475-82, Nov 73
AGED/ BIOPSY, NEEDLE/ CHOLESTEROL,
blood/ CONTRAST MEDIA, adverse effects/
EXPECTORANTS, adverse effects/ FEMALE/
GOITER, NODULAR, complications/ HUMAN/
*HYPERTHYROIDISM, chemically induced/
HYPERTHYROIDISM, etiology/
HYPERTHYROIDISM, metabolism/ *IODINE,
adverse effects/ IODINE RADIOISOTOPES/
MALE/ MIDDLE AGE/ PROTEIN-BOUND
IODINE TEST/ REMISSION/ SWEDEN/
THYROID GLAND, pathology/
TRIIODOTHYRONINE, metabolism
2823. Nimi H, Hoshina K, Motsumoto S, et al: [Synthetic
LH-RH tolerance test for children]
Clin Endocrinol (Tokyo) 21:969-73, Sep 73 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ CHILD,
PRESCHOOL/ COMPARATIVE STUDY/ FSH,

AUTHOR SECTION

- blood/ HUMAN/ LH, blood/ *LH-FSH
RELEASING HORMONE, diagnostic use/
MALE/ PITUITARY DISEASES, blood/ TIME
FACTORS
2824. Ninov L: Hydrops foetus bez hydrops placentae i
krvsnogrupova nesuvmetnost pri toksikoza na
bremenostta.
Akush Ginekol (Sofia) 12:145-9, 1973 (Bul)
BLOOD GROUP INCOMPATIBILITY/ *EDEMA,
etiology/ ENGLISH ABSTRACT/
*ERYTHROBLASTOSIS, FETAL, complications/
FEMALE/ HUMAN/ PLACENTA DISORDERS,
etiology/ PREGNANCY/ *PREGNANCY
TOXEMIAS, complications
2825. Nir I, Briel G, Dames W, et al: Rat pineal free amino
acids diurnal rhythm and effect of light.
Arch Int Physiol Biochim 81:617-27, Oct 73
AGING/ AMINO ACIDS, analysis/ *AMINO
ACIDS, metabolism/ ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, THIN
LAYER/ *CIRCADIAN RHYTHM/ DANSYL
COMPOUNDS/ INDOLES, metabolism/ *LIGHT/
MALE/ PINEAL BODY, analysis/ *PINEAL
BODY, metabolism/ RATS
2826. Nir I, Dames W, Neuhoff V: Micro-disc electrophoresis
of rat pineal proteins diurnal rhythm and effect of
light. Arch Int Physiol Biochim 81:607-16, Oct 73
AGING/ ANIMAL EXPERIMENTS/
*CIRCADIAN RHYTHM/ DARKNESS/
ELECTROPHORESIS, DISC/ *LIGHT/ MALE/
NERVE TISSUE PROTEINS, analysis/ *NERVE
TISSUE PROTEINS, metabolism/ PINEAL
BODY, analysis/ *PINEAL BODY, metabolism/
RATS/ SOLUBILITY
2827. Nishchimenko OV: Vplyv velykykh i malykh doz
antyretykillaroni tsytotoksichnoi syrovatky na
produktu immunnykh testy kulotsytotoksyniv.
Fiziol Zh 19:525-9, Jul-Aug 73 (Ukr)
ANIMAL EXPERIMENTS/ CONNECTIVE
TISSUE, immunology/ *CYTOTOXICITY
TESTS, IMMUNOLOGIC/ ENGLISH
ABSTRACT/ IMMUNE SERUMS, administration
& dosage/ IMMUNIZATION/ MALE/
RABBITS/ RATS/ *TESTIS, immunology
2828. Nishizuka Y, Tanaka Y, Sakakura T, et al: Murine
thyroiditis induced by neonatal thymectomy.
Experientia 29:1396-8, 15 Nov 73
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ *DISEASE MODELS, ANIMAL/
FEMALE/ HYBRIDIZATION/ MALE/ MICE/
*MICE/ MICE, INBRED BALB C/ MICE,
INBRED C3H/ MICE, INBRED C57BL/ SEX
FACTORS/ THYMECTOMY/ *THYROIDITIS/
THYROIDITIS, pathology
2829. Nissen-Meyer R: Kastrasjon og kjemoterapi som
tilleggsbehandling etter primaeroperasjon for
brystkreft.
Tidsskr Nor Laegeforen 93:1914-6, 20 Sep 73 (Nor)
ADULT/ AGED/ ANTINEOPLASTIC AGENTS,
therapeutic use/ BREAST NEOPLASMS, drug
therapy/ BREAST NEOPLASMS, surgery/
*BREAST NEOPLASMS, therapy/
CASTRATION/ FEMALE/ HUMAN/ MIDDLE
AGE/ POSTOPERATIVE CARE/ PREDNISONE,
therapeutic use/ PROGNOSIS
2830. Nisticò G, Marley E: Central effects of prostaglandin E1
in adult fowls. Neuropharmacology 12:1009-16, Nov 73
ANIMAL EXPERIMENTS/ BEHAVIOR,
ANIMAL, drug effects/ BODY
TEMPERATURE, drug effects/ *CENTRAL
NERVOUS SYSTEM, drug effects/ CEREBRAL
CORTEX, drug effects/ CEREBRAL
VENTRICLES/ *CHICKENS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ HYPOTHALAMUS/
INJECTIONS/ POSTURE/ PROTAGLANDINS,
administration & dosage/ *PROTAGLANDINS,
pharmacodynamics/ STEREOTAXIC TECHNIQS/
TIME FACTORS
2831. Niwa K, Chang MC: Fertilization in vitro of rat eggs as
affected by the maturity of the females and the sperm
concentration. J Reprod Fertil 35:577-80, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
CELL COUNT/ EPIDIDYMIS/ FEMALE/
*FERTILIZATION/ GONADOTROPINS,
CHORIONIC, pharmacodynamics/
GONADOTROPINS, EQUINE,
pharmacodynamics/ IN VITRO/ MALE/
OVULATION, drug effects/ *OVUM/ RATS/
*SPERMATOZOA/ STIMULATION, CHEMICAL
2832. Nobunaga T: Establishment by selective inbreeding of
the IVCS strain and related sister strains of the
mouse, demonstrating regularly repeated 4-day
estrous cycles. Lab Anim Sci 23:803-11, Dec 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
*ESTRUS/ FEMALE/ HOUSING, ANIMAL/
*INBREEDING/ MALE/ MICE/ *MICE,
INBRED STRAINS, physiology/ PEDIGREE/
PREGNANCY/ TIME FACTORS
2833. Nora JJ, Nora AH, Sinha AK, et al: The Ullrich-Noonan
syndrome (Turner phenotype).
Am J Dis Child 127:48-55, Jan 74
ADOLESCENCE/ *BONNEVIE-ULLRICH
SYNDROME, complications/ CHILD/
ECHOCARDIOGRAPHY/ FEMALE/ HUMAN/
KARYOTYPING/ MALE/ PEDIGREE/
PHENOTYPE/ SEX CHROMOSOMES/ SEX
FACTORS/ *TURNER'S SYNDROME,
complications
2834. Noriega C, Devoto L, Noriega S: The correlation of
clinical and morphological parameters in induced
ovulatory cycles in the human.
Int J Fertil 18:177-81, 1973
CORPUS LUTEUM, cytology/ CULDOSCOPY/
ENDOMETRIUM, cytology/ FEMALE/ HUMAN/
METHODS/ *OVULATION/ *OVUM, cytology
2835. Norman J, Whitwam JG: Proceedings: The vagal
contribution to changes in heart rate evoked by
stimulation of cutaneous nerves in the dog.
J Physiol (Lond) 234:89P-90P, Oct 73
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
BLOOD PRESSURE/ BLOOD PRESSURE, drug
effects/ BRETILUM COMPOUNDS,
pharmacodynamics/ DOGS/ ELECTRIC
STIMULATION/ ELECTROCARDIOGRAPHY/
HEART, innervation/ *HEART RATE/ HEART
RATE, drug effects/ RADIAL NERVE,
physiology/ *SKIN, innervation/
SYMPATHETIC NERVOUS SYSTEM, drug
effects/ *VAGUS NERVE, physiology
2836. Norman RL, Blake CA, Sawyer CH: Effects of ether and
barbiturates on serum LH concentrations in
ovariectomized hamsters.
Proc Soc Exp Biol Med 144:168-71, 1 Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/
DEPRESSION, CHEMICAL/ *ETHYL ETHERS,
pharmacodynamics/ FEMALE/ HAMSTERS/
*LH, blood/ *PENTOBARBITAL,
pharmacodynamics/ *PHENOBARBITAL,
pharmacodynamics/ STIMULATION,
CHEMICAL/ TIME FACTORS
2837. Normann E, Normann T: Uptake of 3H-labelled and
125I-labelled toluidine blue in hyperplastic
parathyroids of rabbits.
Acta Chir Scand 139:629-33, 1973
ANIMAL EXPERIMENTS/ BLOOD/ CALCIUM,
DIETARY/ COMPARATIVE STUDY/
HYPERPLASIA, metabolism/ IODINE
RADIOISOTOPES/ METHIONINE/ ORGAN
WEIGHT/ PARATHYROID DISEASES,
metabolism/ PARATHYROID GLANDS,
cytology/ *PARATHYROID GLANDS,
metabolism/ PARATHYROID GLANDS,
pathology/ RABBITS/ RADIOISOTOPE
SCANNING/ RADIOISOTOPES/ SELENIUM,
diagnostic use/ SELENIUM, metabolism/
THYROID GLAND, metabolism/ TOLONIUM
CHLORIDE, diagnostic use/ TOLONIUM
CHLORIDE, metabolism/ TRITIUM
2838. Norris ML, Adams CE: Sexual development in the
Mongolian gerbil, Meriones unguiculatus, with
particular reference to the ovary.
J Reprod Fertil 36:245-8, Jan 74
AGE FACTORS/ ANIMAL EXPERIMENTS/
BODY WEIGHT/ CORPUS LUTEUM/

AUTHOR SECTION

- FEMALE/ *GERBILS, growth & development/
GRAAFIAN FOLLICLE/ MONGOLIA/ ORGAN
WEIGHT/ *OVARY, growth & development/
OVUM/ PUBERTY/ UTERUS
2839. Norström A, Hansson HA: Effects of colchicine on release of neurosecretory material from the posterior pituitary gland of the rat.
Z Zellforsch Mikrosk Anat 142:443-64, 1973
ANIMAL EXPERIMENTS/ AXONS/
*COLCHICINE, pharmacodynamics/ CYSTEINE/
HYPOTHALAMUS/ MALE/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/
*NEUROPHYSINS, secretion/
NEUROSECRETION, drug effects/ PITUITARY
GLAND, POSTERIOR, cytology/ PITUITARY
GLAND, POSTERIOR, drug effects/
*PITUITARY GLAND, POSTERIOR, secretion/
POTASSIUM, pharmacodynamics/ RATS/
SULFUR RADIOISOTOPES/ TIME FACTORS/
WATER DEPRIVATION
2840. Northover BJ: Effect of anti-inflammatory drugs on the binding of calcium to cellular membranes in various human and guinea-pig tissues.
Br J Pharmacol 48:496-504, Jul 73
ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS,
pharmacodynamics/ ASPIRIN,
pharmacodynamics/ BINDING SITES/
*CALCIUM, metabolism/ CYTOCHROME
OXIDASE, analysis/ ENDOTHELIUM, drug
effects/ FLUFENAMIC ACID,
pharmacodynamics/ GUINEA PIGS/ HUMAN/
IN VITRO/ INDOMETHACIN,
pharmacodynamics/ MEMBRANES,
drug effects/ MEMBRANES, metabolism/
MITOCHONDRIA, MUSCLE, enzymology/
MUSCLE, SMOOTH, drug effects/
PHENYLACETATES, pharmacodynamics/
PHENYLBUTAZONE, pharmacodynamics/
UMBILICAL CORD
2841. Notcutt WG: Case report. Adverse reaction to Althesin.
Anaesthesia 28:873-4, Nov 73
ADOLESCENCE/ AMINOPHYLLINE,
therapeutic use/ *ANAPHYLAXIS, chemically
induced/ ANESTHESIA/ *ANESTHETICS,
adverse effects/ BLOOD PRESSURE/
BRONCHIAL SPASM, chemically induced/
DRUG COMBINATIONS/ EDEMA, chemically
induced/ FEMALE/ HUMAN/
HYDROCORTISONE, therapeutic use/
HYDROXYSTERIODS, adverse effects/
MANIPULATION, ORTHOPEDIC/
*PREGNANEDIONES, adverse effects/
PROPANIDID
2842. Novikov BG, Pitsla OM: Hipotalamichni mekhanizmy kompensatornol hipertrofil endokrynnnykh zaloz.
Fiziol Zh 19:654-60, Sep-Oct 73 (Ukr)
ANIMAL EXPERIMENTS/ CASTRATION/
ENGLISH ABSTRACT/ FEMALE/ *GONADS,
physiology/ HYPERTROPHY/
*HYPOTHALAMUS, physiology/ MALE/
*THYROID GLAND, physiology/
THYROIDECTOMY
2843. Novikov PL, Poleshko DV, Mattison NM: Vazhneishle voprosy meningokokkovoi infektsii.
Sov Med 36:82-6, Apr 73 (Rus)
BELORUSSIA/ ENGLISH ABSTRACT/
HUMAN/ MENINGITIS, MENINGOCOCCIC,
occurrence/ *MENINGOCOCCAL INFECTIONS,
occurrence/ WATERHOUSE-FRIDERICHSEN
SYNDROME, occurrence
2844. Novikov PL, Poleshko DV: Neotlozhnala pomoshch' bol'nym s meningokokkovoi infektsiei pri ostroi serdechnosudistoi nedostatechnosti.
Sov Med 36:112-4, Mar 73 (Rus)
CARDIOVASCULAR DISEASES, complications/
*CARDIOVASCULAR DISEASES, therapy/
HEART, physiopathology/ *HOSPITAL
EMERGENCY SERVICE/ HUMAN/
MENINGOCOCCAL INFECTIONS,
complications/ MENINGOCOCCAL
INFECTIONS, physiopathology/
*MENINGOCOCCAL INFECTIONS, therapy/
- USSR/ WATERHOUSE-FRIDERICHSEN
SYNDROME, therapy
2845. Numano F, Takano T, Sagara A, et al:
[Endocrinological analysis of Takayasu's disease
(author's transl)]
J Jap Soc Intern Med 62:918-29, Aug 73 (Jap)
ADOLESCENCE/ ADULT/ *AORTIC ARCH
SYNDROMES, physiopathology/ *ESTROGENS,
secretion/ FEMALE/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, urine/
17-KETOSTEROIDS, urine/ PREGNANCY/
*PROGESTERONE, secretion
2846. Numans SR, Waterling CC van der: Navicular disease: podotrochilitis chronica aseptica podotrochlosis.
Equine Vet J 5:1-7, Jan 73
ANIMAL EXPERIMENTS/ BURSITIS, familial
& genetic/ BURSITIS, pathology/ BURSITIS,
radiography/ *BURSITIS, veterinary/ FOOT
DISEASES, familial & genetic/ FOOT
DISEASES, pathology/ FOOT DISEASES,
radiography/ *FOOT DISEASES, veterinary/
FORELIMB/ *HORSE DISEASES/ HORSE
DISEASES, familial & genetic/ HORSE
DISEASES, pathology/ HORSE DISEASES,
radiography/ HORSES/ OSTELITIS, familial &
genetic/ OSTELITIS, pathology/ OSTELITIS,
radiography/ *OSTELITIS, veterinary/
OSTEOPOROSIS, familial & genetic/
OSTEOPOROSIS, pathology/ OSTEOPOROSIS,
radiography/ OSTEOPOROSIS, veterinary
2847. Nuutla M: Letter: Application of serotonin and histamine determinations to the study of traffic accidents. Forensic Sci 2:481-2, Nov 73
*ACCIDENTS, TRAFFIC/ ADULT/
ALCOHOLIC INTOXICATION/ AUTOPSY/
DEATH, SUDDEN/ FINLAND/ FORENSIC
MEDICINE/ *HISTAMINE LIBERATION/
HUMAN/ JURISPRUDENCE/ MALE/
POSTMORTEM CHANGES/ *SEROTONIN,
secretion/ TIME FACTORS
2848. Nygren KG, Johansson ED: Premature onset of menstrual bleeding during ovulatory cycles in women with an intrauterine contraceptive device.
Am J Obstet Gynecol 117:971-5, 1 Dec 73
ADULT/ BINDING, COMPETITIVE/
COMPARATIVE STUDY/ COPPER/
ESTRADIOL, blood/ FEMALE/ HUMAN/
*INTRAUTERINE DEVICES, adverse effects/
*MENSTRUATION/ *OVULATION/
PROGESTERONE, blood/
RADIOIMMUNOASSAY/ TIME FACTORS
2849. Nyrkova VI: Gistokhmicheskie pokazateli uglevodnogo obmena v miometril krysa na raznykh stadiakh estralnogo tsikla.
Akush Ginekol (Mosk) 49:66-8, Jun 73 (Rus)
ANIMAL EXPERIMENTS/ *CARBOHYDRATES,
metabolism/ *ESTRUS/ FEMALE/
MITOCHONDRIA, MUSCLE, enzymology/
RATS/ UTERUS, enzymology/ *UTERUS,
metabolism
2850. Oashi H, Oga A, Saito K: Enhancement of Ca-contractions by catecholamines and temperature dependency in the depolarized teania coli of the guinea-pig. Jap J Pharmacol 23:467-77, Aug 73
ADRENERGIC ALPHA RECEPTOR
BLOCKADERS, pharmacodynamics/
ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CALCIUM, metabolism/
*CALCIUM, pharmacodynamics/
*CATECHOLAMINES, pharmacodynamics/
COLON, drug effects/ COMPARATIVE
STUDY/ DRUG SYNERGISM/ EPINEPHRINE,
pharmacodynamics/ GUINEA PIGS/ IN VITRO/
ISOPROTERENOL, pharmacodynamics/
*MUSCLE CONTRACTION, drug effects/
NOREPINEPHRINE, pharmacodynamics/
RECEPTORS, ADRENERGIC/ *TEMPERATURE
2851. Obtulowicz K: Sposoby przerywania przewleklego leczenia hormonami kory nadnerczy chorych na dychawicę oskrzelową.

AUTHOR SECTION

- Pol Tyg Lek 28:1555-8, 1 Oct 73 (Pol)
ADOLESCENCE/ *ADRENAL CORTEX
HORMONES, administration & dosage/
ADRENAL CORTEX HORMONES, adverse
effects/ ADRENAL CORTEX HORMONES,
therapeutic use/ ADULT/ AGED/ *ASTHMA,
drug therapy/ ENGLISH ABSTRACT/
HUMAN/ METHODS/ MIDDLE AGE/ TIME
FACTORS
2852. Oda T, Tahira H: [Electrolyte metabolism of the body
fluid in Bartter's syndrome]
Jap J Clin Med 31:2812-7, Sep 73 (Jap)
ADULT/ ELECTROLYTES, blood/
*ELECTROLYTES, metabolism/
ELECTROLYTES, urine/ FEMALE/ HUMAN/
*HYPERALDOSTERONISM, metabolism/
MIDDLE AGE
2853. O'Dor RK, Wells MJ: Yolk protein synthesis in the
ovary of *Ocypus vulgaris* and its control by the optic
gland gonadotropin. J Exp Biol 59:665-74, Dec 73
ANIMAL EXPERIMENTS/ BLOOD
TRANSFUSION/ BODY WEIGHT/ CARBON
RADIOISOTOPES/ CASTRATION/ EGG
PROTEINS, analysis/ *EGG PROTEINS,
biosynthesis/ EGG PROTEINS, blood/ *EGG
YOLK/ FEMALE/ *GONADOTROPINS,
physiology/ LEUCINE, metabolism/ LIVER,
analysis/ *NEUROSECRETORY SYSTEMS,
physiology/ OCTOPUS/ ORGAN WEIGHT/
*OVARY, metabolism/ VITELLINE
MEMBRANE, metabolism
2854. Oelkers W, Brown JJ, Fraser R, et al: Sensitization of
the adrenal cortex to angiotensin II in sodium-deplete
man. Circ Res 40:69-77, Jan 74
*ADRENAL GLANDS, drug effects/ ADRENAL
GLANDS, physiology/ ALDOSTERONE, blood/
*ALDOSTERONE, secretion/ *ANGIOTENSIN
II, administration & dosage/ ANGIOTENSIN
II, blood/ BLOOD PRESSURE, drug effects/
CORTICOSTERONE/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ HUMAN/
HYPONATREMIA, blood/ MAGNESIUM, blood/
POTASSIUM, blood/ SODIUM, blood
2855. Oftedal P: Medical and industrial exposure in relation
to genetic risk. Curr Top Radiat Res 9:66-71, Oct 73
AIR POLLUTION, RADIOACTIVE/
DISGERMINOMA, radiotherapy/
DOSE-RESPONSE RELATIONSHIP,
RADIATION/ ENVIRONMENTAL EXPOSURE/
HODGKIN'S DISEASE, radiotherapy/ HUMAN/
MUTATION/ NUCLEAR REACTORS/
*RADIATION GENETICS/ RADIATION
PROTECTION/ RADIOTHERAPY, adverse
effects
2856. Ogawa K: [Catecholamine and the heart]
Jap J Clin Med 31:2642-9, Sep 73 (30 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
physiology/ ADENYL CYCLASE, metabolism/
CATECHOLAMINES, metabolism/
CATECHOLAMINES, pharmacodynamics/
*CATECHOLAMINES, physiology/ DOPAMINE
BETA HYDROXYLASE, blood/ *HEART,
physiology/ HEMODYNAMICS, drug effects/
HUMAN/ MICROSOMES, metabolism/
MYOCARDIUM, enzymology/ MYOCARDIUM,
metabolism/ RECEPTORS, ADRENERGIC/
REVIEW
2857. Ognev BV, Vishnevskii AA, Troitskii RA, et al:
Zazblivlenie razrezov laichnika, proizvedennykh
luchami gazovogo lazera (eksperimental'noe
issledovanie).
Akush Ginekoi (Mosk) 49:45-7, Aug 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ FEMALE/ GASES/ *LASER
COAGULATION/ OVARY, physiopathology/
*OVARY, surgery/ RABBITS/ TIME
FACTORS/ *WOUND HEALING
2858. Ogura T, Mlyakawa T, Ito M, et al: [Gonadotropin
producing malignant teratoma of the mediastinum]
Jap J Clin Med 31:2846-52, Sep 73 (Jap)
ADULT/ *GONADOTROPINS, biosynthesis/
*HORMONES, ECTOPIC, biosynthesis/
HUMAN/ MALE/ *MEDIASITINAL
- NEOPLASMS, metabolism/ *NEOPLASTIC
ENDOCRINE-LIKE SYNDROMES, metabolism/
*TERATOID TUMOR, metabolism
2859. Oguro C: Parathyroid gland and serum calcium
concentration in the giant salamander,
Megalobatrachus davidianus.
Gen Comp Endocrinol 21:565-8, Dec 73
ANIMAL EXPERIMENTS/ *CALCIUM, blood/
*PARATHYROID GLANDS, physiology/
PARATHYROID GLANDS, surgery/
*SALAMANDERS, physiology/ TIME
FACTORS/ TISSUE EXTRACTS,
pharmacodynamics
2860. Oh R, Tamaoki B: In vitro biosynthesis of androgens in
canine testes.
Acta Endocrinol (Kbh) 74:815-24, Nov 73
*ANDROSTENEDIONE, biosynthesis/
ANDROSTENEDIONE, metabolism/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CYTOSOL, enzymology/
DEHYDROEPIANDROSTERONE, metabolism/
DOGS/ HYDROXY-PREGNENOLONE,
metabolism/ HYDROXY-PROGESTERONE,
metabolism/ IN VITRO/ MICROSOMES,
enzymology/ MICROSOMES, metabolism/
MITOCHONDRIA, enzymology/ NAD,
pharmacodynamics/ NADP, pharmacodynamics/
PREGNENOLONE, metabolism/
PROGESTERONE, metabolism/ STIMULATION,
CHEMICAL/ TESTIS, drug effects/ TESTIS,
enzymology/ *TESTIS, metabolism/
*TESTOSTERONE, biosynthesis/ TIME
FACTORS
2861. Oh SY: Rickhamkappen-Drainage bei rezidivierendem
zystischem Kranio-pharyngeom.
Schweiz Arch Neurol Neurochir Psychiatr 113:57-72,
1973 (Ger)
ADOLESCENCE/ ADULT/ ANGIOGRAPHY/
BRAIN NEOPLASMS, radiography/ *BRAIN
NEOPLASMS, surgery/ CEREBRAL ARTERIES,
radiography/ CHILD/ CRANIOPHARYNGIOMA,
radiography/ *CRANIOPHARYNGIOMA,
surgery/ *DRAINAGE, instrumentation/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
MALE/ NEOPLASM RECURRENCE, LOCAL/
SEX FACTORS
2862. Oishi T, Lauber JK: Effect of light and darkness on
pineal hydroxyindole-O-methyl transferase (HIOMT)
in Japanese quail. Life Sci 13:1105-16, 16 Oct 73
AGING/ ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ *CATECHOL
METHYLTRANSFERASE, metabolism/
CIRCADIAN RHYTHM/ COMPARATIVE
STUDY/ *DARKNESS/ INDOLES/ *LIGHT/
MALE/ MELATONIN, biosynthesis/ *PINEAL
BODY, enzymology/ PINEAL BODY, growth &
development/ QUAIL/ TEMPERATURE
2863. Oka H, Kaneko T, Yamashita K, et al: The glucagon and
fluoride sensitive adenylyl cyclase in plasma membrane
of rat liver. Endocrinol Jap 20:263-70, Jun 73
ADENOSINE TRIPHOSPHATE, metabolism/
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CALCIUM, pharmacodynamics/
CELL MEMBRANE, enzymology/ ENZYME
ACTIVATION, drug effects/ EPINEPHRINE,
pharmacodynamics/ ETHERS,
pharmacodynamics/ FLUORIDES, antagonists &
inhibitors/ *FLUORIDES, pharmacodynamics/
GLUCAGON, antagonists & inhibitors/
*GLUCAGON, pharmacodynamics/ IN VITRO/
INSULIN, pharmacodynamics/ *LIVER,
enzymology/ MALE/ POLYMERS,
pharmacodynamics/ PROTAGLANDINS,
pharmacodynamics/ RATS/ SODIUM,
pharmacodynamics/ STIMULATION,
CHEMICAL/ SURFACE-ACTIVE AGENTS,
pharmacodynamics/ TRITIUM/ TRYPSIN,
pharmacodynamics
2864. Oka M, Rekonen A, Ruotsi A, et al: Measurement of
systemic inflammatory activity in rheumatoid
arthritis by the ^{99m}Tc method.
Scand J Rheumatol 2:101-7, 1973
ADULT/ AGED/ ANTHRANILIC ACID,
therapeutic use/ ARTHRITIS, RHEUMATOID,

AUTHOR SECTION

- complications/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, physiopathology/ ASPIRIN, therapeutic use/ BIOMECHANICS/ BLOOD SEDIMENTATION/ DEPRESSION, CHEMICAL/ FATIGUE/ FEMALE/ GOLD, therapeutic use/ HEMOGLOBIN, analysis/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PERIARTHROSIS/ PREDNISOLONE, therapeutic use/ *RADIOISOTOPES, diagnostic use/ RHEUMATOID FACTOR/ *TECHNETIUM, diagnostic use/ TIME FACTORS/ TOLUENE, therapeutic use
2865. Okada F: [Regional changes of serotonin, 5-hydroxyindoleacetic acid and norepinephrine in the rat brain in the process of convulsive seizures (author's transl)]
Psychiatr Neurol Jap 75:397-408, Jul 73 (Jap)
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ *CONVULSIONS, metabolism/ *HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism
2866. Okano M, Tomomatsu K, Kawal S, et al: [Results of treatment of temporomandibular joint disease with parotin]
Clin Endocrinol (Tokyo) 21:1061-6, Oct 73 (Jap)
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ *HORMONES, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PAROTIN, therapeutic use/ *TEMPOROMANDIBULAR JOINT SYNDROME, drug therapy
2867. Okayasu I, Mori W, Miyagawa N: An autopsy case of congenital goiter. Acta Pathol Jap 23:531-7, Aug 73
ADULT/ AUTOPSY/ FEMALE/ *GOITER, congenital/ GOITER, etiology/ GOITER, pathology/ HUMAN/ HYPOTHYROIDISM, drug therapy/ INFANT, NEWBORN/ POTASSIUM IODIDE, adverse effects/ PREGNANCY/ PREGNANCY COMPLICATIONS/ THYROID GLAND, pathology
2868. Okinaka AJ, Gray GF Jr: Proceedings: Carcinoma of the lung at the New York Hospital-Cornell Medical Center (1964-1968).
Proc Natl Cancer Conf 7:743-6, 1973
ADENOCARCINOMA, pathology/ ADULT/ AGED/ *CARCINOMA/ CARCINOMA, mortality/ CARCINOMA, BRONCHIOAL, pathology/ CARCINOMA, BRONCHOGENIC, pathology/ CARCINOMA, EPIDERMAL, pathology/ CARCINOMA, OAT CELL, pathology/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LUNG, pathology/ *LUNG NEOPLASMS/ LUNG NEOPLASMS, diagnosis/ LUNG NEOPLASMS, mortality/ LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, surgery/ MALE/ MIDDLE AGE/ NEW YORK
2869. Okulov VB: Immunomorfologicheskaya kharakteristika perevivaemykh opukholei shchitovidnoy zhelezy.
Vopr Onkol 19:50-6, 1973 (Rus)
ANIMAL EXPERIMENTS/ *ANTIGENS, NEOPLASM/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ IMMUNE SERUMS/ MICROSOMES, immunology/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, immunology/ NEOPLASMS, EXPERIMENTAL, pathology/ RATS/ THYROID GLAND, immunology/ *THYROID NEOPLASMS, immunology/ THYROID NEOPLASMS, pathology
2870. Okuma T, Oda T, Matsushita T, et al: [Case of anterior pituitary insufficiency following head trauma]
Clin Neurol (Tokyo) 13:506-12, Aug 73 (Jap)
ADULT/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *HEAD INJURIES, complications/ HUMAN/ HYPOPITUITARISM, diagnosis/ *HYPOPITUITARISM, etiology/ HYPOPITUITARISM, pathology/ MALE
2871. Olatunbosun DA, Adeniyi FA, Adadevoh BK: The effect of oral contraceptives on serum copper levels in Nigerian women.
J Obstet Gynaecol Br Commonw 80:937-9, Oct 73
- ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *COPPER, blood/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ MIDDLE AGE/ NIGERIA/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION
2872. Olech A: Kompleksowe sole rodankowe jako odczynnik strącające do oznaczania zasad organicznych.
Acta Pol Pharm 30:505-12, Oct 73 (Pol)
*CHLORPROMAZINE, analysis/ CHROMATES/ ENGLISH ABSTRACT/ INDICATORS AND REAGENTS/ *PHENOTHIAZINES, analysis/ PRECIPITATION/ *THIOCYANATES
2873. Oleinikov NI: Issledovanie fluorestantsii Y-khromosomy v mazkakh krovi u psikhicheskikh vol'nykh. Lab Delo 5:306-7, 1973 (Rus)
CHROMOSOME ABERRATIONS/ HUMAN/ MENTAL DISORDERS, blood/ *MENTAL DISORDERS, familial & genetic/ MICROSCOPY, FLUORESCENCE/ SEX CHROMOSOME ABNORMALITIES, blood/ *SEX CHROMOSOMES
2874. Olshnik IF: Vplyv podraznennia ta vykluchennia cherevnykh nerviv na elektrolitnyi sklad (Ca, K, Na, Cl) ta aktyvnist' ATfazi v slyzovii obolontsi shlunka ta sypovatsi krovi.
Fiziol Zh 19:465-70, Jul-Aug 73 (Ukr)
*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ CHLORIDES, metabolism/ DOGS/ ELECTRIC STIMULATION/ *ELECTROLYTES, metabolism/ ENGLISH ABSTRACT/ *GASTRIC MUCOSA, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism/ *SPLENNIC NERVES, physiology
2875. Oliveira LF de, Sollero L: Interactions of 5-hydroxytryptamine and narcotic analgesics on dog intestine in vivo. Pharmacology 10:291-7, 1973
ACETYLCHOLINE, pharmacodynamics/ *ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CYPROHEPTADINE, pharmacodynamics/ DEXTROMORAMIDE, pharmacodynamics/ DOGS/ DRUG INTERACTIONS/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ *INTESTINES, drug effects/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MESENTERIC ARTERIES, drug effects/ METHYLERGIDE, pharmacodynamics/ MORPHINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *NARCOTICS, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ TIME FACTORS
2876. Oliver JW, Neher GM: Athyreotic arthropathy in swine.
Am J Vet Res 34:1539-47, Dec 73
ANIMAL EXPERIMENTS/ CARTILAGE, metabolism/ CARTILAGE, pathology/ CARTILAGE, ARTICULAR, metabolism/ CARTILAGE, ARTICULAR, pathology/ COLLAGEN, analysis/ HISTOCYTOCHEMISTRY/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, veterinary/ JOINT DISEASES, etiology/ JOINT DISEASES, metabolism/ JOINT DISEASES, pathology/ *JOINT DISEASES, veterinary/ MALE/ MUCOPOLYSACCHARIDES, analysis/ *SWINE DISEASES/ SWINE DISEASES, metabolism/ SWINE DISEASES, pathology/ SYNOVIAL MEMBRANE, metabolism/ SYNOVIAL MEMBRANE, pathology/ THYROIDECTOMY
2877. Oliver WM, Leaver AG, Scott PG: The effects of deficiencies of calcium or of calcium and vitamin D on the rate of oral collagen synthesis in the rat.
J Periodont Res 7:29-34, 1972
ANIMAL EXPERIMENTS/ *CALCIUM, DIETARY, pharmacodynamics/ COLLAGEN, analysis/ *COLLAGEN, metabolism/ COLLAGEN DISEASES, etiology/ DEFICIENCY DISEASES, complications/ PROLINE, metabolism/ RATS/ TRITIUM/ VITAMIN D,

AUTHOR SECTION

- pharmacodynamics/ *VITAMIN D DEFICIENCY, complications
2878. Ol'kova NV: Use of morphophysiological indices in hibernating rodents. *Sov J Ecol* 3:250-4, May-Jun 72
ADRENAL GLANDS, anatomy & histology/
ANIMAL EXPERIMENTS/ BODY WEIGHT/
COMPARATIVE STUDY/ FEMALE/ HEART,
anatomy & histology/ *HIBERNATION/
KIDNEY, anatomy & histology/ LUNG,
anatomy & histology/ MALE/ ORGAN
WEIGHT/ SEASONS/ SPLEEN, anatomy &
histology/ *SQUIRRELS, anatomy & histology/
SQUIRRELS, physiology
2879. Olson L, Nyström B, Selger A: Monoamine fluorescence histochemistry of human post mortem brain. *Brain Res* 63:231-47, 7 Dec 73
ADOLESCENCE/ AGED/ AUTOPSY/
*BIOGENIC AMINES, metabolism/ *BRAIN,
metabolism/ BRAIN, pathology/ BRAIN STEM,
metabolism/ BRAIN STEM, pathology/
CAUDATE NUCLEUS, metabolism/ CEREBRAL
ARTERIOSCLEROSIS, metabolism/ CEREBRAL
VENTRICLES, metabolism/ CHILD/ CHILD,
PRESCHOOL/ DOPAMINE, metabolism/
HISTOCYTOCHEMISTRY/ HUMAN/
HYPOTHALAMUS, metabolism/
HYPOTHALAMUS, pathology/ IN VITRO/
INFANT/ MALE/ *MENTAL DISORDERS,
pathology/ MICROSCOPY, FLUORESCENCE/
NOREPINEPHRINE, metabolism/
PARKINSONISM, metabolism/ PONS,
metabolism/ PSYCHOSES,
MANIC-DEPRESSIVE, metabolism/
PSYCHOSES, SENILE, metabolism/
SCHIZOPHRENIA, metabolism/ SEROTONIN,
metabolism/ SPINAL CORD, metabolism/
SPINAL CORD, pathology
2880. Olson L, Selger A: Development and growth of immature monoamine neurons in rat and man in situ and following intraocular transplantation in the rat. *Brain Res* 62:353-60, 23 Nov 73
ANIMAL EXPERIMENTS/ ANTERIOR
CHAMBER/ *BRAIN, embryology/ BRAIN
MAPPING/ CELL DIFFERENTIATION/
*DOPAMINE/ MICROSCOPY, FLUORESCENCE/
NEURONS/ *NEURONS, embryology/
NEURONS, transplantation/
*NOREPINEPHRINE/ RATS/ *SEROTONIN/
TRANSPLANTATION, AUTOLOGOUS
2881. Olson MC: Analysis of adrenocortical steroids in pharmaceutical preparations by high-pressure liquid-liquid chromatography. *J Pharm Sci* 62:2001-7, Dec 73
ACETIC ACIDS, analysis/
CHROMATOGRAPHY/ CORTISONE, analysis/
*GLUCOCORTICOID, analysis/
HYDROCORTISONE, analysis/ KINETICS/
METHODS
2882. Olsson JE, Link H, Nosslin B: Metabolic studies on 125I-labelled beta-trace protein, with special reference to synthesis within the central nervous system. *J Neurochem* 21:1153-9, Nov 73
ADULT/ AGED/ *BETA GLOBULIN,
biosynthesis/ BETA GLOBULIN, cerebrospinal
fluid/ BETA GLOBULIN, urine/ *CENTRAL
NERVOUS SYSTEM, metabolism/
CEREBROVASCULAR DISORDERS, blood/
FEMALE/ GEL DIFFUSION TESTS/ GEL
FILTRATION/ HUMAN/ HYPERTENSION,
metabolism/ IMMUNOELECTROPHORESIS/
INJECTIONS, INTRAVENOUS/ IODINE
ISOTOPES, DIAGNOSTIC/ MALE/ MIDDLE
AGE/ MULTIPLE SCLEROSIS, blood/
PROTEIN-BOUND IODINE TEST/
RADIOIMMUNOASSAY/ SPINE/ TIME
FACTORS
2883. Olsson RA, Gentry MK, Townsend RS: Adenosine metabolism: properties of dog heart microsomal 5'-nucleotidase. *Adv Exp Med Biol* 39:27-39, 1973
*ADENOSINE, metabolism/ ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
DIPHOSPHATE, pharmacodynamics/
ADENOSINE MONOPHOSPHATE/ ADENOSINE
TRIPHOSPHATE, pharmacodynamics/ ANIMAL
EXPERIMENTS/ CALCIUM, pharmacodynamics/
CARBON RADIOISOTOPES/
CENTRIFUGATION, DENSITY GRADIENT/
COBALT, pharmacodynamics/ DOGS/
GUANINE NUCLEOTIDES/ HYDROLYSIS/
MAGNESIUM, pharmacodynamics/
MANGANESE, pharmacodynamics/ METHANE,
pharmacodynamics/ *MICROSOMES,
enzymology/ *MYOCARDIUM, enzymology/
NUCLEOTIDASES, antagonists & inhibitors/
NUCLEOTIDASES, isolation & purification/
*NUCLEOTIDASES, metabolism/
PHOSPHOLIPASE, pharmacodynamics/
SUCROSE/ URACIL NUCLEOTIDES
2884. O'Malley K, Browning M, Stevenson I, et al: Stimulation of drug metabolism in man by tricyclic antidepressants. *Eur J Clin Pharmacol* 6:102-6, Aug 73
ADOLESCENCE/ ADULT/ AMITRIPTYLINE,
pharmacodynamics/ AMOBARBITAL,
pharmacodynamics/ ANALYSIS OF
VARIANCE/ *ANTIDEPRESSIVE AGENTS,
pharmacodynamics/ *ANTIPYRINE, blood/
DESIPRAMINE, pharmacodynamics/
DIBENZAZEPINES, pharmacodynamics/
FEMALE/ HALF-LIFE/ HUMAN/
HYDROCORTISONE, urine/
17-HYDROXYCORTICOSTEROIDS, urine/
HYDROXYCORTICOSTEROIDS, urine/
IMIPRAMINE, pharmacodynamics/ MALE/
NORTRIPTYLINE, pharmacodynamics/
STIMULATION, CHEMICAL/ TIME FACTORS
2885. Onaya T, Yamada T: [Iodine recycling in the thyroid] *Clin Endocrinol (Tokyo)* 21:837-9, Aug 73 (Jap)
ANIMAL EXPERIMENTS/ *IODINE,
metabolism/ IODINE RADIOISOTOPES/
MALE/ RATS/ *THYROID GLAND,
metabolism
2886. Onaya T, Yamada T: [Effect of iodine on iodoamine acid distribution in the thyroid] *Clin Endocrinol (Tokyo)* 21:955-7, Sep 73 (Jap)
ANIMAL EXPERIMENTS/ *IODINE,
pharmacodynamics/ IODINE RADIOISOTOPES/
*IODOPROTEINS, biosynthesis/
IODOTYROSINE, metabolism/ MALE/ RATS/
*THYROID GLAND, metabolism/ TIME
FACTORS
2887. Oneda A, Matsuda K, Sato M, et al: Hypoglycemia due to apparent autoantibodies to insulin. Characterization of insulin-binding protein. *Diabetes* 23:41-50, Jan 74
ARGININE, administration & dosage/
*AUTOANTIBODIES, analysis/ AUTOIMMUNE
DISEASES, metabolism/ *BLOOD PROTEINS,
metabolism/ CATTLE/ CROSS REACTIONS/
FEMALE/ GEL FILTRATION/ GLUCAGON,
administration & dosage/ *GLUCOSE, blood/
GLUCOSE TOLERANCE TEST/ HUMAN/
*HYPOGLYCEMIA, etiology/ HYPOGLYCEMIA,
immunology/ IGG, analysis/
IMMUNOELECTROPHORESIS/ *INSULIN,
metabolism/ *INSULIN ANTIBODIES, analysis/
IODINE RADIOISOTOPES/ MIDDLE AGE/
PROTEIN BINDING/ PROTEIN-BOUND
IODINE TEST/ SWINE
2888. O'Neill YV: Michael Scot and Mary of Bologna. A medieval gynecological puzzle. *Clio Med* 8:87-111, Jun 73
*ABORTION, MISSED, history/ *ASTROLOGY/
*FAMOUS PERSONS/ FEMALE/ HISTORICAL
ARTICLE/ HISTORICAL BIOGRAPHY/
HISTORY OF MEDICINE, MEDIEVAL/
HUMAN/ *HYDATIDIFORM MOLE, history/
ITALY/ MANUSCRIPTS/ PREGNANCY/
SCOTLAND
2889. Ong TH, Solomon JR: Fat necrosis of the scrotum. *J Pediatr Surg* 5:919-24, Dec 73
*ADIPOSE TISSUE/ ADOLESCENCE/ CHILD/
COLD/ GRANULATION TISSUE/
HISTIOCYTES/ HUMAN/ HYPOTHERMIA,
complications/ MALE/ *NECROSIS, diagnosis/
NECROSIS, pathology/ NECROSIS, surgery/
OBESITY, complications/ PUBERTY/

AUTHOR SECTION

- *SCROTUM/ SCROTUM, pathology/ SCROTUM, surgery/ SWIMMING
2890. Ono I, Salto S, Sakurada T, et al: [Case of Grönbold-Strandberg syndrome complicating hyperthyroidism]
Cln Endocrinol (Tokyo) 21:841-4, Aug 73 (Jap)
ADULT/ FEMALE/ HUMAN/
*HYPERTHYROIDISM, complications/
*PSEUDOXANTHOMA ELASTICUM, complications
2891. Onodera I, Ito K, Moroji T, et al:
[Neuroendocrinological study of chronically methamphetamine-treated guinea pigs and rats (author's transl)]
Psychiatr Neurol Jap 75:409-23, Jul 73 (Jap)
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ GUINEA PIGS/
*HYPOTHALAMUS, drug effects/ MALE/
*METHAMPHETAMINE, administration & dosage/ METHAMPHETAMINE, pharmacodynamics/ *PITUITARY GLAND, drug effects/ RATS
2892. Onoé T, Mori M: Ultrastructural basis of toxic hepatitis.
Acta Pathol Jap 23:675-81, Aug 73
ANIMAL EXPERIMENTS/ CARBON TETRACHLORIDE POISONING, pathology/ DIMETHYLAMINOAZOBENZENE, poisoning/ ENDOPLASMIC RETICULUM/ *HEPATITIS, TOXIC, pathology/ HYPERTROPHY/ JAUNDICE, chemically induced/ LIPIDS, metabolism/ LIVER, drug effects/ LIVER, metabolism/ LIVER, pathology/ MICROSCOPY, ELECTRON/ MITOCHONDRIAL SWELLING/ RATS/ THIOCYANATES, poisoning
2893. Onoyama K, Hara M, Tanaka K, et al: Renin content in subcellular fractions of normal rat kidney extract.
Jap Heart J 14:440-4, Sep 73
ACID PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CENTRIFUGATION/ CYTOCHROME OXIDASE, analysis/ FEMALE/ GLUCOSEPHOSPHATASE, analysis/ *KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, enzymology/ LYSOSOMES, enzymology/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ RATS/ *RENIN, analysis/ SUBCELLULAR FRACTIONS, enzymology
2894. Opitz JM, Pfeiffer RA, Hermann JP, et al: Studies of malformation syndromes of man XXIV B: the Dubowitz syndrome. Further observations.
Z Kinderheilkd 116:1-12, 12 Dec 73
ABNORMALITIES, MULTIPLE, familial & genetic/ CHILD/ CHILD, PRESCHOOL/ CONSANGUINITY/ *DWARFISM, diagnosis/ DWARFISM, familial & genetic/ ECZEMA, diagnosis/ *FACIAL BONES, abnormalities/ FACIAL EXPRESSION/ FEMALE/ GENES, RECESSIVE/ HUMAN/ INFANT/ MALE/ MENTAL RETARDATION, diagnosis/ MICROCEPHALY, diagnosis/ PHENOTYPE/ SYNDROME
2895. Oppenheimer JH: Interaction of drugs with thyroid hormone binding sites.
Ann NY Acad Sci 226:333-40, 26 Nov 73 (26 ref.)
BINDING SITES/ BLOOD PROTEINS, metabolism/ CELL NUCLEUS, metabolism/ DIPHENYLHYDANTOIN, pharmacodynamics/ DRUG INTERACTIONS/ *DRUGS, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ KINETICS/ LIVER, cytology/ PHENOBARBITAL, pharmacodynamics/ PHENOBARBITAL, therapeutic use/ PROTEIN BINDING/ REVIEW/ SERUM ALBUMIN, metabolism/ *THYROID HORMONES, metabolism/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, blood/ TRIIODOTHYRONINE, blood
2896. Oppenheimer JH, Schwartz HL, Dillman W, et al: Effect of thyroid hormone analogues on the displacement of 125I-L-triiodothyronine from hepatic and heart nuclei in vivo: possible relationship to hormonal activity.
Biochem Biophys Res Commun 55:544-50, 10 Dec 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ IODINE/ IODINE RADIOISOTOPES/ *IODOTYROSINE, pharmacodynamics/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MYOCARDIUM, cytology/ MYOCARDIUM, drug effects/ *MYOCARDIUM, metabolism/ ORGAN SPECIFICITY/ RATS/ *RECEPTORS, HORMONE, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROXINE, pharmacodynamics/ TIME FACTORS/ *TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, pharmacodynamics/ ULTRACENTRIFUGATION
2897. Oral CONTRACEPTIVES AND PSY: evidence from research. Br J Psychiatry 123:513-8, Nov 73 (24 ref.)
AFFECTIVE DISTURBANCES, chemically induced/ ATTITUDE/ *CONTRACEPTIVES, ORAL, adverse effects/ DEPRESSION, chemically induced/ ESTROGENS, administration & dosage/ FEMALE/ HUMAN/ *MENTAL DISORDERS, chemically induced/ MMPI/ NEUROSES, occurrence/ PERSONALITY DISORDERS/ REVIEW/ TIME FACTORS
2898. Oreopoulos DG, Pitel S, Husdan H, et al: Contrasting effect of hemodialysis and peritoneal dialysis on the inhibition of in vitro calcification by uremic serum.
Can Med Assoc J 110:43-7, 5 Jan 74
ADOLESCENCE/ ADULT/ AGED/ ANIMAL EXPERIMENTS/ BLOOD UREA NITROGEN/ *CALCIFICATION, PHYSIOLOGIC/ CALCIUM, blood/ CARTILAGE/ CREATININE, blood/ FEMALE/ *HEMODIALYSIS/ HUMAN/ IN VITRO/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ *PERITONEAL DIALYSIS/ PHOSPHORUS, blood/ RATS/ RICKETS, etiology/ SPECTROPHOTOMETRY, ATOMIC ABSORPTION/ TIBIA/ TIME FACTORS/ *UREMIA, blood
2899. Orgebin-Crist MC, Tichenor PL: Effect of testosterone on sperm maturation in vitro.
Nature 245:328-9, 12 Oct 73
ANIMAL EXPERIMENTS/ *EPIDIDYMIS, cytology/ *FERTILITY, drug effects/ MALE/ ORGAN CULTURE/ RATS/ *SPERMATOGONIA, drug effects/ *TESTOSTERONE, pharmacodynamics
2900. Ormea TF: Alcuni rilievi sulla terapia esterna delle dermatosi. Minerva Med 64:4021-8, 31 Oct 73 (Ita)
ADRENAL CORTEX HORMONES, administration & dosage/ ANALGESICS AND ANTIPIRETTICS, administration & dosage/ ANESTHETICS, LOCAL, administration & dosage/ ANTIBIOTICS, administration & dosage/ ANTIFUNGAL AGENTS, administration & dosage/ ANTI-INFLAMMATORY AGENTS, TOPICAL, administration & dosage/ *DERMATOLOGIC AGENTS, administration & dosage/ DERMATOLOGIC AGENTS, metabolism/ DOSAGE FORMS/ HUMAN/ OCCLUSIVE DRESSINGS/ OINTMENTS/ POWDERS/ SKIN ABSORPTION/ *SKIN DISEASES, drug therapy/ SOLUTIONS
2901. Ormston BJ, Alexander L, Evered DC, et al: Thyrotrophin response to thyrotrophin-releasing hormone in ophthalmic Graves' disease: correlation with other aspects of thyroid function, thyroid suppressibility and activity of eye signs.
Cln Endocrinol (Oxf) 2:369-76, Oct 73
FEMALE/ GOITER, EXOPHTHALMIC, blood/ *GOITER, EXOPHTHALMIC, physiopathology/ HUMAN/ IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ MALE/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY/ THYROID GLAND, metabolism/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE, blood
2902. Orsay CP, Heath JE: Hypertbermia in rabbits from

AUTHOR SECTION

- injection of malaria infected erythrocytes in the pre-optic area. *Nature* 246:162-3, 16 Nov 73
ANIMAL EXPERIMENTS/ *ERYTHROCYTES/
*FEVER, etiology/ *HYPOTHALAMUS/
INJECTIONS/ *MALARIA/ *PLASMODIUM
BERGHEI/ PYROGENS/ RABBITS
2903. Osborne NN: Tryptophan metabolism in characterized neurones of Helix. *Br J Pharmacol* 48:546-9, Jul 73
ANIMAL EXPERIMENTS/ CARBON
RADIOISOTOPES/ ELECTRIC STIMULATION/
*NEURONS, metabolism/ PREMEDICATION/
SEROTONIN, metabolism/ *SNAILS,
metabolism/ *TRYPTOPHAN, metabolism
2904. Osborne NN, Priggemeler E, Neuhoﬀ V: The effect of Imipramine and nialamide on the accumulation of serotonin in snail (*Helix pomatia*) nervous tissue. *Experientia* 29:1351-2, 15 Nov 73
ANIMAL EXPERIMENTS/ BRAIN, metabolism/
CARBON RADIOISOTOPES/
HYDROXYINDOLEACETIC ACID, biosynthesis/
*IMIPRAMINE, pharmacodynamics/ *NEURONS,
metabolism/ *NIALAMIDE, pharmacodynamics/
*SEROTONIN, metabolism/ *SNAILS,
metabolism
2905. Oshima K, Miura S, Numakunai S, et al: Pathological studies on grass tetany (hypomagnesemia) in cattle occurring in Japan. *Jap J Vet Sci* 35:231-8, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE
DISEASES, pathology/ FEMALE/ JAPAN/
*MAGNESIUM, blood/ MAGNESIUM
DEFICIENCY, pathology/ *MAGNESIUM
DEFICIENCY, veterinary/ MICROSCOPY,
ELECTRON/ MYOCARDIUM, pathology/
TETANY, pathology/ *TETANY, veterinary
2906. Osmond DH, McFadzean PA, Ross LJ, et al: Plasma phospholipase A2 activity in nephrectomized rats and the question of renin inhibition. *Proc Soc Exp Biol Med* 144:969-73, Dec 73
ANIMAL EXPERIMENTS/ CEPHALINS, blood/
*KIDNEY, metabolism/ MALE/
NEPHRECTOMY/ *PHOSPHOLIPASE, blood/
RATS/ *RENIN, antagonists & inhibitors
2907. Osswald W: Letter: Lack of influence of indomethacin on neurogenic vasodilatation in the hind-limb and spleen of the dog. *J Pharm Pharmacol* 25:655-6, Aug 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CAROTID ARTERIES, drug
effects/ DILATATION/ DOGS/ DOPAMINE,
pharmacodynamics/ EPINEPHRINE,
pharmacodynamics/ ERGOTAMINE,
pharmacodynamics/ HINDLIMB, blood supply/
*INDOMETHACIN, pharmacodynamics/
INJECTIONS, INTRAVENOUS/
NOREPINEPHRINE, pharmacodynamics/
PROSTAGLANDINS, pharmacodynamics/
*SPLEEN, blood supply/ *VASOMOTOR
SYSTEM, drug effects
2908. Ostergard DR: The potential for paramedical personnel in family planning. An analysis based on the Department of Health, Education, and Welfare 5-year Plan for Family Planning Services. *Am J Public Health* 64:27-31, Jan 74
ADMINISTRATIVE PERSONNEL/ ALLIED
HEALTH PERSONNEL, education/ *ALLIED
HEALTH PERSONNEL, utilization/
CONSUMER SATISFACTION/
CONTRACEPTIVES, ORAL/ DECISION
MAKING/ DELIVERY OF HEALTH CARE/
*FAMILY PLANNING/ FEMALE/
GOVERNMENT AGENCIES/ *HEALTH AND
WELFARE PLANNING/ HUMAN/
INTRAUTERINE DEVICES/ NURSES,
utilization/ PHYSICAL EXAMINATION/
PHYSICIANS, utilization/ PRENATAL CARE/
QUALITY OF HEALTH CARE/ REFERRAL
AND CONSULTATION/ RURAL HEALTH,
manpower/ TIME FACTORS/ UNITED
STATES
2909. Osterholm JL: The pathophysiological response to spinal cord injury. The current status of related research. *J Neurosurg* 40:5-33, Jan 74 (154 ref.)
ANIMAL EXPERIMENTS/ ANOXIA, pathology/
CATECHOLAMINES, therapeutic use/
DISEASE MODELS, ANIMAL/ DOPAMINE,
metabolism/ FLUORESCENCE/
GLUCOCORTICOIDS, therapeutic use/
HEMORRHAGE, metabolism/ HEMORRHAGE,
pathology/ HISTOCYTOCHEMISTRY/ HUMAN/
HYPOTHERMIA, INDUCED/ LACTATES,
metabolism/ MICROCIRCULATION/
NECROSIS/ NERVE FIBERS, MYELINATED,
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NOREPINEPHRINE, metabolism/ OXYGEN
CONSUMPTION/ REGIONAL BLOOD FLOW/
REVIEW/ SPINAL CORD, blood supply/
SPINAL CORD, metabolism/ SPINAL CORD,
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SPINAL CORD INJURIES, diagnosis/ SPINAL
CORD INJURIES, drug therapy/ SPINAL
CORD INJURIES, metabolism/ SPINAL CORD
INJURIES, pathology/ *SPINAL CORD
INJURIES, physiotherapy/ SPINAL CORD
INJURIES, surgery/ SPINAL CORD INJURIES,
therapy/ SPINAL NERVE ROOTS,
physiotherapy/ SYNAPTIC VESICLES,
metabolism/ UREA, therapeutic use
2910. Osterman K: Operative elimination of partial premature epiphyseal closure. An experimental study. *Acta Orthop Scand [Suppl]* 3-79, 1972
ADIPOSE TISSUE, transplantation/ ANIMAL
EXPERIMENTS/ *BONE AND BONES, growth
& development/ BONE DEVELOPMENT/
CARTILAGE, transplantation/ EPIPHYSES,
pathology/ *EPIPHYSES, physiology/ FEMUR/
*FEMUR, growth & development/ FEMUR,
pathology/ FEMUR, radiography/
FLUORESCENCE/ HEMATOMA, etiology/
NECROSIS/ POSTOPERATIVE
COMPLICATIONS/ RABBITS/ RECURRENCE/
SYNOSTOSIS, physiotherapy/
TETRACYCLINE, diagnostic use/ TIME
FACTORS/ TRANSPLANTATION,
HETEROLOGOUS/ WAXES
2911. Ostertag C, Mundinger F, McDonnell D, et al: Detection of 247 midline and posterior fossa tumors by combined scintigraphic and digital gammaencephalography. *J Neurosurg* 40:224-9, Feb 74
ADENOMA, diagnosis/ ASTROCYTOMA,
diagnosis/ *BRAIN NEOPLASMS, diagnosis/
BRAIN NEOPLASMS, radiography/ CEREBRAL
ANGIOGRAPHY/ COMPUTERS, DIGITAL/
CRANIAL FOSSA, POSTERIOR/
CRANIOPHARYNGIOMA, diagnosis/
*DIAGNOSIS, COMPUTER ASSISTED/
FEMALE/ HUMAN/ INFANT/ *MERCURY
ISOTOPES, diagnostic use/ MIDDLE AGE/
PITUITARY NEOPLASMS, diagnosis/
PNEUMOENCEPHALOGRAPHY/
*RADIOISOTOPE SCANNING/ *TECHNETIUM,
diagnostic use/ THALAMUS
2912. Otsuki M, Mori E: [Effects of glucocorticoid on TSH secretion--clinical and experimental evaluation using synthetic TRF] *Clin Endocrinol (Tokyo)* 21:1039-44, Oct 73 (Jap)
ADULT/ AGED/ ANIMAL EXPERIMENTS/
FEMALE/ *GLUCOCORTICOIDS,
pharmacodynamics/ HUMAN/ MALE/ RATS/
*THYROTROPIN, secretion/ *THYROTROPIN
RELEASING HORMONE, pharmacodynamics
2913. Otsuki M, Mori H, Tatelwa M, et al: [Influence of glucocorticoids on thyroid stimulating hormone (TSH) secretion in man (author's transl)] *J Jap Soc Intern Med* 62:1346-51, Oct 73 (Jap)
ADULT/ AGED/ DEPRESSION, CHEMICAL/
FEMALE/ *GLUCOCORTICOIDS,
pharmacodynamics/ HUMAN/ MALE/
THYROTROPIN, blood/ *THYROTROPIN,
secretion/ THYROTROPIN RELEASING
HORMONE, pharmacodynamics
2914. Otsuki M, Tatelwa M, Mori H, et al: The usefulness of thyrotropin-releasing factor (TRF) test in patients with hypothalamic-pituitary disorders. *Kobe J Med Sci* 19:13-22, Mar 73
ACROMEGALY, diagnosis/ ADENOMA,
CHROMOPHOBE, diagnosis/ ADOLESCENCE/
ADULT/ *BRAIN NEOPLASMS, diagnosis/
DIABETES INSIPIDUS, diagnosis/ FEMALE/
HUMAN/ *HYPOTHALAMUS/ MALE/

AUTHOR SECTION

- *PITUITARY DISEASES, diagnosis/
PITUITARY NEOPLASMS, diagnosis/
THYROTROPIN, blood/ *THYROTROPIN
RELEASING HORMONE, diagnostic use
2915. Ottinger M, Schaefer H, Zesch A: Einfluß von systemisch verabreichtem Prednisolon und Methotrexat auf die LDH-Aktivität der menschlichen Epidermis.
Arzneim Forsch 23:1035-7, Aug 73 (Ger)
DEPRESSION, CHEMICAL/ ENGLISH
ABSTRACT/ HUMAN/ *LACTATE
DEHYDROGENASE, metabolism/
*METHOTREXATE, pharmacodynamics/
*PREDNISOLONE, pharmacodynamics/ SKIN,
drug effects/ *SKIN, enzymology/ TIME
FACTORS
2916. Ou LT, Chatterjee AN, Young FE, et al: The physiology of telcholic acid deficient staphylococci.
Can J Microbiol 19:1393-9, Nov 73
BINDING SITES/ CALCIUM, metabolism/
CELL WALL, metabolism/ EDTA,
pharmacodynamics/ HYDROGEN-ION
CONCENTRATION/ MAGNESIUM, metabolism/
*MUTATION/ POTASSIUM, metabolism/
SODIUM, metabolism/ SODIUM CHLORIDE,
pharmacodynamics/ SPECTROPHOTOMETRY,
ATOMIC ABSORPTION/ STAPHYLOCOCCUS,
growth & development/ *STAPHYLOCOCCUS,
metabolism/ *TEICHOIC ACIDS, biosynthesis
2917. Ouderaa FJ van der, Jong WW de, Bloemendaal H: The amino-acid sequence of the alphaA2 chain of bovine alpha-crystallin. Eur J Biochem 39:207-22, 1 Nov 73
*AMINO ACID SEQUENCE/ AMINO ACIDS,
analysis/ ANIMAL EXPERIMENTS/ CATTLE/
CHROMATOGRAPHY, ION EXCHANGE/
CHYMOTRYPSIN/ *CRYSTALLINS, analysis/
CRYSTALLINS, metabolism/ CYANOGEN
BROMIDE/ DANSYL COMPOUNDS/
ELECTROPHORESIS/ HYDROLYSIS/
MOLECULAR WEIGHT/ PEPTIDE
FRAGMENTS, analysis/ THIOCYANATES/
TRYPSIN
2918. Ouedraogo L, Chalumeau-Le Foulgoc MT: Influence de la métamorphose expérimentale sur les isozymes de la déshydrogénase lactique du plasma et des hématies, chez *Amphistoma mexicanum* Shaw.
C R Acad Sci [D] (Paris) 276:1749-52, 12 Mar 73 (Fre)
*AMBYSTOMA/ ANIMAL EXPERIMENTS/
ELECTROPHORESIS/ *ERYTHROCYTES,
enzymology/ *LACTATE DEHYDROGENASE
ISOENZYMES, blood/ *METAMORPHOSIS,
BIOLOGICAL/ THYROXINE, pharmacodynamics
2919. Ovchinnikov IuM: Klishchnoe krovotchenie pri infektsionnom gepatite kak oslozhnenie prednizoloterapii. Vrach Delo 9:147-8, Sep 73 (Rus)
ADULT/ CASE REPORT/ *HEMORRHAGE,
GASTROINTESTINAL, chemically induced/
HEPATITIS, INFECTIOUS, complications/
*HEPATITIS, INFECTIOUS, drug therapy/
HUMAN/ MALE/ *PREDNISOLONE, adverse
effects/ PREDNISOLONE, therapeutic use
2920. Overstreet DH, Kozar MD, Lynch GS: Reduced hypothermic effects of cholinomimetic agents following chronic anticholinesterase treatment. Neuropharmacology 12:1017-32, Nov 73
ANIMAL EXPERIMENTS/ APPETITE, drug
effects/ *BODY TEMPERATURE, drug effects/
BODY TEMPERATURE REGULATION, drug
effects/ CARBACHOL, pharmacodynamics/
CHOLINESTERASE, metabolism/
*CHOLINESTERASE INHIBITORS,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ DRUG TOLERANCE/
HYPOTHALAMUS, enzymology/
ISOFLUOROPHATE, pharmacodynamics/ MALE/
*PARASYMPATHOMIMETICS, antagonists &
inhibitors/ Pilocarpine, pharmacodynamics/
RATS/ TIME FACTORS
2921. Owen E, Knight VA, Thomas HW: In situ iodination (catalyzed by lactoperoxidase) of the exterior peptide components of mammalian cells in a monolayer. Exp Cell Res 82:461-4, Dec 73
CELL AGGREGATION/ CLONE CELLS/
COMPARATIVE STUDY/ *CONTACT
INHIBITION/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ EVALUATION
STUDIES/ FIBROBLASTS/ GLYCOPOLYMERES,
analysis/ HAMSTERS/ *IODINE/ IODINE
RADIOISOTOPES/ ISOTOPE LABELING/
KIDNEY/ METHODS/ *PEPTIDES, analysis/
PEROXIDASES/ TISSUE CULTURE/ TRYPSIN
2922. Owen NV, Worth HM, Kiplinger GF: The effects of long-term ingestion of methimazole on the thyroids of rats. Food Cosmet Toxicol 11:649-53, Aug 73
ADENOCARCINOMA, chemically induced/
ADENOMA, chemically induced/ ANIMAL
EXPERIMENTS/ FEMALE/ HYPERPLASIA,
chemically induced/ HYPERTROPHY,
chemically induced/ MALE/ *METHIMAZOLE,
toxicity/ NEOPLASMS, occurrence/ RATS/
THYROID DISEASES, chemically induced/
*THYROID GLAND, drug effects/ THYROID
NEOPLASMS, chemically induced
2923. Owen WG, Esmon CT, Jackson CM: The conversion of prothrombin to thrombin. I. Characterization of the reaction products formed during the activation of bovine prothrombin.
J Biol Chem 249:594-605, 25 Jan 74
AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ CALCIUM, metabolism/
CARBOHYDRATES, analysis/ CATTLE/
CHROMATOGRAPHY, ION EXCHANGE/
COMPUTERS, DIGITAL/ ELECTROPHORESIS,
DISC/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ ENZYME
ACTIVATION/ ENZYME PRECURSORS/
ENZYME PRECURSORS, analysis/ FACTOR V,
metabolism/ FACTOR X, metabolism/ GEL
FILTRATION/ KINETICS/ MODELS,
CHEMICAL/ MOLECULAR WEIGHT/ PEPTIDE
FRAGMENTS, analysis/ *PEPTIDE
FRAGMENTS, metabolism/ PHOSPHOLIPIDS,
metabolism/ PROTHROMBIN, analysis/
PROTHROMBIN, isolation & purification/
*PROTHROMBIN, metabolism/ *THROMBIN,
metabolism
2924. Owens D, Srivastava MC, Tompkins CV, et al: Studies on the metabolic clearance rate, apparent distribution space and plasma half-disappearance time of unlabelled human growth hormone in normal subjects and in patients with liver disease, renal disease, thyroid disease and diabetes mellitus.
Eur J Clin Invest 3:284-94, Jul 73
ADOLESCENCE/ ADULT/ AGED/ BLOOD
SUGAR, metabolism/ COMPARATIVE STUDY/
*DIABETES MELLITUS, metabolism/
EXTRACELLULAR SPACE, metabolism/
FEMALE/ HALF-LIFE/ HUMAN/
*HYPERTHYROIDISM, metabolism/ INSULIN,
blood/ *KIDNEY DISEASES, metabolism/
*LIVER DISEASES, metabolism/ MALE/
*METABOLIC CLEARANCE RATE/ MIDDLE
AGE/ *MYXEDEMA, metabolism/
SOMATOTROPIN, blood/ *SOMATOTROPIN,
metabolism
2925. Owsiński J: Przypadek choroby Addisona w przebiegu guzłzicy płuc jako przyczyna nietolerancji leków przeciwnaprzeciwkowych. Gruzlica 41:1097-8, Oct 73 (Pol)
*ADDISON'S DISEASE, complications/
*ANTITUBERCULAR AGENTS,
therapeutic use/ *DRUG TOLERANCE/
FEMALE/ HUMAN/ MIDDLE AGE/
*TUBERCULOSIS, PULMONARY, complications
2926. Oxnard SC, O'Bell J, Grupe WE: Severe tetany in an azotemic child related to a sodium phosphate enema. Pediatrics 53:105-6, Jan 74
ACIDOSIS, complications/ CALCIUM, blood/
CHILD, PRESCHOOL/ CONSTIPATION,
complications/ CONSTIPATION, therapy/
*ENEMA, adverse effects/ HUMAN/
HYDRONEPHROSIS, complications/ KIDNEY
FAILURE, CHRONIC, complications/ MALE/
*PHOSPHATES, adverse effects/
PHOSPHORUS, blood/ TETANY, blood/
*TETANY, chemically induced
2927. Oyama T: Effects of neuroleptanesthesia on endocrine function in man.

AUTHOR SECTION

- Int Anesthesiol Clin 11:171-84, Fall 73 (19 ref.)
ADRENAL GLANDS, drug effects/ BLOOD SUGAR, analysis/ CORTICOTROPIN, blood/ DROPERIDOL, pharmacodynamics/ DRUG COMBINATIONS/ *ENDOCRINE GLANDS, drug effects/ FATTY ACIDS, NONESTERIFIED, blood/ FENTANYL, pharmacodynamics/ GLUCOCORTICOID, physiology/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ INTUBATION, INTRATRACHEAL/ MEPERIDINE, pharmacodynamics/ NEUROLEPTOANALGESIA/ NITROUS OXIDE, pharmacodynamics/ PENTAZOCINE, pharmacodynamics/ REVIEW/ SOMATOTROPIN, blood/ TESTOSTERONE, blood/ THYROID GLAND, drug effects/ TIME FACTORS
2928. Oye I: Cyclic AMP and its relation to clinical chemistry. Scand J Clin Lab Invest 32:189-92, Nov 73 (5 ref.)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ HYDROLYSIS/ PHOSPHODIESTERASES, metabolism/ PROTEIN BINDING/ RADIOISOTOPE DILUTION TECHNIQUE/ REVIEW
2929. Ozawa T: [Clinical experience with the use of parotin, a salivary hormone, in aphthous stomatitis]. Clin Endocrinol (Tokyo) 21:743-6, Jul 73 (Jap)
ADULT/ CLINICAL RESEARCH/ FEMALE/ *HORMONES, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PAROTIN, therapeutic use/ *STOMATITIS, APHTHOUS, drug therapy
2930. Ozols RF, Hill R: Effect of androgen on glucose-6-phosphate dehydrogenase isoenzymes in rat ventral prostate and seminal vesicles. Proc Soc Exp Biol Med 144:73-7, 1 Oct 73
AGE FACTORS/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME INDUCTION/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ ISOENZYMES, analysis/ *ISOENZYMES, metabolism/ ORGAN WEIGHT/ PROSTATE, anatomy & histology/ *PROSTATE, enzymology/ *SEMINAL VESICLES, enzymology/ STIMULATION, CHEMICAL/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics
2931. Ozsoylu S, Ozer FL: Acquired factor IX deficiency. A report of two cases. Acta Haematol (Basel) 50:305-14, 1973
ADOLESCENCE/ ADULT/ ANTICOAGULANTS, blood/ BLOOD COAGULATION TESTS/ CAPILLARY FRAGILITY/ CASE REPORT/ CHRISTMAS DISEASE, drug therapy/ *CHRISTMAS DISEASE, etiology/ FACTOR IX, analysis/ FEMALE/ HUMAN/ MALE/ PREDNISONE, therapeutic use
- P**
2932. Pacheco CR, Valdez-Ochoa S, Naranjo F, et al: Estudio clínico de un nuevo esteroide de síntesis en el tratamiento de la pleuresía tuberculosa. Gac Med Mex 106:249-55, Sep 73 (8pa)
CAPSULES/ CLINICAL RESEARCH/ EVALUATION STUDIES/ HUMAN/ HYDROXYSTERIODS, adverse effects/ HYDROXYSTERIODS, therapeutic use/ INJECTIONS, INTRAMUSCULAR/ PREGNATRIENES, adverse effects/ *PREGNATRIENES, therapeutic use/ PYRAZOLES, adverse effects/ PYRAZOLES, therapeutic use/ *TUBERCULOSIS, PLEURAL, drug therapy
2933. Pachman LM, Jayanetra P, Rothberg RM: Rheumatoid sera and soluble complexes: nitroblue tetrazolium dye test and hexose monophosphate shunt activation. Pediatrics 52:823-30, Dec 73
- ADULT/ ANIMAL EXPERIMENTS/ *ANTIGEN-ANTIBODY COMPLEX/ ARTHRITIS, JUVENILE RHEUMATOID, blood/ *ARTHRITIS, RHEUMATOID, blood/ CARBON DIOXIDE, metabolism/ CARBON RADIOISOTOPES/ CELLS, CULTURED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *GLUCOSE, metabolism/ HUMAN/ IODIDES, pharmacodynamics/ LEUKOCYTES, metabolism/ LEUKOCYTES, physiology/ MALE/ MIDDLE AGE/ PHAGOCYTOSIS/ RABBITS/ RABBITS, immunology/ RHEUMATOID FACTOR/ SERUM ALBUMIN, BOVINE/ SERUM ALBUMIN, RADIO-IODINATED/ *TETRAZOLIUM SALTS, diagnostic use/ THYROID GLAND, metabolism/ TIME FACTORS
2934. Pacovský V, Hrba J, Broulík P: Gastrointestinální příznaky u prvotní hyperparatyreózy. Vnitř Lek 19:1164-70, Dec 73 (Cze)
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GASTROINTESTINAL DISEASES, etiology/ HUMAN/ *HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ PEPTIC ULCER, etiology/ TIME FACTORS
2935. Padmanaban G, Rao MR, Malathi K: A model for the regulation of delta-aminolaevulinic synthetase induction in rat liver. Biochem J 134:847-57, Aug 73
ADRENALECTOMY/ ALLYLISOPROPYLACETAMIDE, pharmacodynamics/ *AMINOLEVULINIC ACID SYNTHETASE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CASTRATION/ CITRATES, metabolism/ CYTOCHROME P-450, metabolism/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION/ FEMALE/ HEME, metabolism/ HYDROCORTISONE, pharmacodynamics/ IRON RADIOISOTOPES/ *LIVER, enzymology/ MALE/ MICROSOMES, LIVER, metabolism/ MODELS, BIOLOGICAL/ PHENOBARBITAL, pharmacodynamics/ PROTEIN BINDING/ RATS
2936. Pajares García JM: Gastrina: su papel en la clínica gastroenterológica. Rev Esp Enferm Apar Dig 41:615-28, 1 Nov 73 (34 ref.) (Spa)
DIGESTION/ GASTRIC MUCOSA, physiology/ GASTRIN, blood/ GASTRIN, physiology/ *GASTRIN, secretion/ GASTRITIS, physiology/ GASTROINTESTINAL DISEASES, blood/ GASTROINTESTINAL NEOPLASMS, blood/ HUMAN/ INTESTINE, SMALL, physiology/ NEOPlastic ENDOCRINE-LIKE SYNDROMES/ PANCREAS, physiology/ REVIEW/ STOMACH NEOPLASMS, physiology/ ZOLLINGER-ELLISON SYNDROME, blood/ ZOLLINGER-ELLISON SYNDROME, physiology
2937. Pak CY, Delea CS, Bartter FC: Successful treatment of recurrent nephrolithiasis (calcium stones) with cellulose phosphate. N Engl J Med 290:175-80, 24 Jan 74
ADMINISTRATION, ORAL/ ADULT/ BONE AND BONES, analysis/ BONE AND BONES, anatomy & histology/ *CALCIUM, metabolism/ CALCIUM, urine/ CALCIUM, DIETARY/ CELLULOSE, administration & dosage/ CELLULOSE, adverse effects/ *CELLULOSE, therapeutic use/ DIET THERAPY/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INTESTINAL ABSORPTION/ IODINE RADIOISOTOPES/ *KIDNEY CALCULI, drug therapy/ KIDNEY CALCULI, metabolism/ KIDNEY CALCULI, therapy/ KIDNEY CALCULI, urine/ MALE/ MIDDLE AGE/ ORGANOPHOSPHORUS COMPOUNDS, administration & dosage/ ORGANOPHOSPHORUS COMPOUNDS, adverse effects/ *ORGANOPHOSPHORUS COMPOUNDS, therapeutic use/ PARATHYROID HORMONE, blood/ RECURRENCE
2938. Pal SB: Plasma unconjugated and conjugated 17-hydroxycorticosteroids in different clinical disorders. Clin Endocrinol (Oxf) 2:141-51, Apr 73
ADOLESCENCE/ ADULT/ AGED/ ARTHRITIS,

AUTHOR SECTION

- RHEUMATOID, blood/ BRONCHIAL
NEOPLASMS, blood/ CORTICOTROPIN,
diagnostic use/ CUSHING'S SYNDROME,
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FEMALE/ HUMAN/ HYDROCORTISONE,
blood/ *17-HYDROXYCORTICOSTEROIDS,
blood/ HYPERTENSION, blood/
HYPERTENSION, RENAL, blood/ LIVER
CIRRHOSIS, blood/ MALE/ MIDDLE AGE
2939. Palacios Mateos JM, Pato Castel I, Garcia Robles R: Un caso de disgenesia gonadal 46-XY con fenotipo femenino, vestigios de ovario y eliminación normal de estrógenos. *Rev Clin Esp* 131:145-8, 31 Oct 73 (Spa)
ADULT/ CASE REPORT/ DIAGNOSIS,
DIFFERENTIAL/ *ESTROGENS, urine/
FEMALE/ *GONADS, pathology/ HUMAN/
KARYOTYPING/ PHENOTYPE/ TURNER'S
SYNDROME, pathology/ *TURNER'S
SYNDROME, pathology
2940. Palazhchenko EF: Villanle gravitarslonnykh peregruzok i glipoklinezz na krovenosnye sosudy laichka.
Arkhn Anat Gistol Embriol 64:57-63, May 73 (Rus)
ACCELERATION/ ANIMAL EXPERIMENTS/
ARTERIES, pathology/ CAPILLARIES,
pathology/ ENGLISH ABSTRACT/
*GRAVITATION/ *IMMOBILIZATION/ MALE/
RABBITS/ ROTATION/ *STRESS, pathology/
*TESTIS, blood supply/ TESTIS, pathology/
VEINS, pathology
2941. Paleeva FM: Primenenie kenaloga (triaminolona) pri khronicheskom diffuznom glomerulonefrite.
Ter Arkh 45:103-7, May 73 (Rus)
ADOLESCENCE/ ADULT/ CHRONIC DISEASE/
ENGLISH ABSTRACT/ FEMALE/
*GLOMERULONEPHRITIS, drug therapy/
HUMAN/ INJECTIONS, INTRAMUSCULAR/
MALE/ MIDDLE AGE/ TABLETS/
*TRIAMCINOLONE ACETONIDE, therapeutic use
2942. Palermo Neto J, Carvalho FV: The effects of chronic cannabis treatment on the aggressive behavior and brain 5-hydroxytryptamine levels of rats with different temperaments.
Psychopharmacologia 32:383-92, 15 Oct 73
*AGGRESSION, drug effects/ ANIMAL
EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN, metabolism/ *BRAIN
CHEMISTRY, drug effects/ CANNABIS,
administration & dosage/ *CANNABIS,
pharmacodynamics/ CEREBELLUM, analysis/
DEFECATION/ HYPOTHALAMUS, analysis/
MALE/ MEDULLA OBLONGATA, analysis/
MESENCEPHALON, analysis/ MOTOR
ACTIVITY, drug effects/ RATS/ SEROTONIN,
analysis/ *SEROTONIN, metabolism
2943. Palladini G, Reitano M: Une nouvelle méthode pour l'identification des groupes aminiques.
Microsc Acta 75:32-42, Sep 73 (Fre)
*AMINES, analysis/ ANIMAL EXPERIMENTS/
BROWN FAT, analysis/ COLLOIDS/
DEAMINATION/ ENDOCRINE GLANDS,
analysis/ ENGLISH ABSTRACT/ GLYCOLS,
analysis/ GOITER/ HIBERNATION/
*HISTOCYTOCHEMISTRY/ HUMAN/
METHODS/ OXIDATION-REDUCTION/
PERIODIC ACIDS, pharmacodynamics/
PHOTOMETRY/ RATS/ SOLVENTS/ STAINS
AND STAINING/ WATER
2944. Palmiter RD, Smith LT: Synergistic effects of oestrogen and progesterone on ovomucoid and conalbumin mRNA synthesis in chick oviduct.
Nature [New Biol] 246:74-6, 21 Nov 73
ANIMAL EXPERIMENTS/ CHICKENS/
DOSE-RESPONSE RELATIONSHIP, DRUG/
DRUG SYNERGISM/ *EGG PROTEINS,
biosynthesis/ *ESTRADIOL, pharmacodynamics/
FEMALE/ MURAMIDASE, biosynthesis/
OVALBUMIN, biosynthesis/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/
*PROGESTERONE, pharmacodynamics/ *RNA,
MESSENGER, biosynthesis/ RNA,
MESSENGER, metabolism/ RNA, RIBOSOMAL,
- metabolism/ STIMULATION, CHEMICAL/
TRANSLATION, GENETIC
2945. Pang PK, Schreiber MP, Griffith RW: Pituitary regulation of serum calcium levels in the killifish, *Fundulus heteroclitus* L.
Gen Comp Endocrinol 21:536-42, Dec 73
ACCLIMATIZATION/ ANIMAL
EXPERIMENTS/ *CALCIUM, blood/
CORTICOTROPIN, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
*FISHES, physiology/ HOMEOSTASIS/
HYDROCORTISONE, pharmacodynamics/
HYPOPHYSECTOMY/ MALE/ *PITUITARY
GLAND, physiology/ PITUITARY GLAND,
transplantation/ PROLACTIN,
pharmacodynamics/ SEAWATER/
STIMULATION, CHEMICAL/
TRANSPLANTATION, HOMOLOGOUS
2946. Pang RL, Kirksey A: Early postnatal changes in brain composition in progeny of rats fed different levels of dietary pyridoxine. *J Nutr* 104:111-7, Jan 74
ANIMAL EXPERIMENTS/ ANIMAL
NUTRITION/ BODY WEIGHT/ BRAIN,
anatomy & histology/ *BRAIN, metabolism/
CEREBROSIDES, metabolism/ CHOLESTEROL,
metabolism/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FEMALE/
LACTATION/ LIPIDS, metabolism/
LIPOPROTEINS, metabolism/
MATERNAL-FETAL EXCHANGE/ MILK,
metabolism/ NERVE TISSUE PROTEINS,
metabolism/ ORGAN WEIGHT/
PHOSPHOLIPIDS, metabolism/ PLACENTA
DISORDERS, metabolism/ PREGNANCY/
*PREGNANCY COMPLICATIONS/
PYRIDOXINE, administration & dosage/
*PYRIDOXINE, pharmacodynamics/
PYRIDOXINE DEFICIENCY, metabolism/
RATS/ TIME FACTORS
2947. Panigel M: Experimental models for in vivo and in vitro investigations on placental hemodynamics and oxygen supply to the fetus. *Adv Exp Med Biol* 37:1061-5, 1973
ANIMAL EXPERIMENTS/ BIOLOGICAL
TRANSPORT/ BLOOD CIRCULATION/
FEMALE/ HUMAN/ MACACA/
*MATERNAL-FETAL EXCHANGE/ MODELS,
BIOLOGICAL/ MONKEYS/ *OXYGEN, blood/
*PLACENTA, blood supply/ PLACENTA,
metabolism/ PREGNANCY
2948. Panigrahy GK, Patnalk BK: Studies on the connective tissue of reptiles. I. Age changes in collagen and water contents of bone and hyoid cartilage of male garter lizard. *Exp Gerontol* 8:251-7, Oct 73
*AGING/ ANIMAL EXPERIMENTS/ *BODY
WATER, metabolism/ BODY WEIGHT/ *BONE
AND BONES, metabolism/ *CARTILAGE,
metabolism/ COLLAGEN, metabolism/
COMPARATIVE STUDY/ FEMUR, metabolism/
FIBULA, metabolism/ HUMERUS, metabolism/
*HYOID BONE, metabolism/ LIZARDS/
MALE/ METHODS/ RADIUS, metabolism/
SOLUBILITY/ TIBIA, metabolism/ ULNA,
metabolism
2949. Pankov AK, Il'inskaia EG, Nerodo GA, et al: Sravnitel'naya otsenka luchevogo lecheniya i khimioterapii posle radikal'nykh operatsii u bol'nykh so zlokachestvennyimi opukhloklami lalchbnikov.
Akush Ginekol (Mosk) 49:70-1, Aug 73 (Rus)
ADULT/ *CASTRATION/ COMPARATIVE
STUDY/ FEMALE/ HUMAN/ MIDDLE AGE/
OVARIAN NEOPLASMS, mortality/ *OVARIAN
NEOPLASMS, therapy/ *POSTOPERATIVE
CARE
2950. Pankov AK, Nerodo GA, Il'inskaia EG, et al: Predoperatsionnial khimioterapiia u bol'nykh zlokachestvennyimi opukhloklami lalchbnikov.
Vopr Onkol 19:20-3, 1973 (Rus)
ADULT/ AGED/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ INJECTIONS,
INTRALYMPHATIC/ INJECTIONS,
INTRAMUSCULAR/ INJECTIONS,
INTRAPERITONEAL/ INJECTIONS,
INTRAVENOUS/ MIDDLE AGE/ *OVARIAN
NEOPLASMS, drug therapy/ OVARIAN

AUTHOR SECTION

NEOPLASMS, surgery/ THIO-TEPA,
administration & dosage/ *THIO-TEPA,
therapeutic use

2951. **Pant HC:** Proceedings: The influence of lactation on the ovarian response of Bikaneri ewes of different haemoglobin types to pregnant mare serum gonadotrophin administration.
J Endocrinol 59:48, Nov 73
ANIMAL EXPERIMENTS/ FEMALE/
*GONADOTROPINS, EQUINE,
pharmacodynamics/ *HEMOGLOBIN/
*LACTATION/ *OVARY, drug effects/
OVULATION, drug effects/ PHENOTYPE/
SHEEP
2952. **Pant HC:** Proceedings: Concentrations of plasma LH and FSH in cycling ewes following a single injection of 17beta-oestradiol.
J Physiol (Lond) 234:115P-116P, Oct 73
ANIMAL EXPERIMENTS/ ESTRADIOL,
administration & dosage/ *ESTRADIOL,
pharmacodynamics/ ESTRUS/ FEMALE/ *FSH,
blood/ INJECTIONS, INTRAMUSCULAR/ *LH,
blood/ PITUITARY GLAND, drug effects/
RADIOIMMUNOASSAY/ SHEEP/
STIMULATION, CHEMICAL/ TIME FACTORS
2953. **Pant HC, Rawlings NC:** Proceedings: The effect of active immunization against oestradiol-17beta on plasma gonadotrophin concentrations in sheep.
J Reprod Fertil 35:610-1, Dec 73
ANIMAL EXPERIMENTS/
DIETHYLSTILBESTROL, pharmacodynamics/
*ESTRADIOL/ FEEDBACK/ FEMALE/ *FSH,
blood/ *IMMUNIZATION/ *LH, blood/
RADIOIMMUNOASSAY/ SHEEP
2954. **Papadimitriou JM, Sforsina D, Papaellas L:** Kinetics of multinucleate giant cell formation and their modification by various agents in foreign body reactions. *Am J Pathol* 73:349-64, Nov 73
ANIMAL EXPERIMENTS/ CALCIUM,
pharmacodynamics/ CARRAGEENAN,
therapeutic use/ CORTISONE, therapeutic use/
DACTINOMYCIN, therapeutic use/ EDTA,
therapeutic use/ EXUDATES AND
TRANSUDATES, cytology/ EXUDATES AND
TRANSUDATES, radiation effects/ FOREIGN
BODY REACTION, drug therapy/ *FOREIGN
BODY REACTION, pathology/ GLUCONATES,
therapeutic use/ GRANULOMA, GIANT CELL,
etiology/ *GRANULOMA, GIANT CELL,
pathology/ GRANULOMA, GIANT CELL,
therapy/ HALF-LIFE/ INFLAMMATION,
pathology/ KINETICS/ MICE/ MONOCYTES/
PHAGOCYTOSIS, drug effects/ PLASTICS/
PUROMYCIN, therapeutic use/ RADIATION
EFFECTS/ RATS, immunology/ THYMIDINE,
diagnostic use/ TRITIUM
2955. **Papst W:** Okuläre Myopathien.
Ophthalmologica 167:332-49, 1973 (Ger)
ADULT/ AGED/ BLEPHAROPTOSIS, diagnosis/
CHILD/ DIAGNOSIS, DIFFERENTIAL/
ELECTROMYOGRAPHY/ ENDOCRINE
DISEASES, complications/ ENDOCRINE
DISEASES, diagnosis/ EYE DISEASES,
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DISEASES/ MUSCULAR DISEASES, diagnosis/
MUSCULAR DISEASES, etiology/ MUSCULAR
DYSTROPHY, diagnosis/ MYASTHENIA
GRAVIS, diagnosis/ MYOSITIS, diagnosis/
*OCULOMOTOR MUSCLES
2956. **Pár A, Barna K, Horváth A, et al:** Therapías tapasztalatok krónikus aktív hepatitisben és aktív cirrhosisban. *Orv Hetil* 114:3133-9, 30 Dec 73 (Hun)
AUTOANTIBODIES/ AUTOIMMUNE
DISEASES/ AZATHIOPRINE, therapeutic use/
CHRONIC DISEASE/ *HEPATITIS,
INFECTIOUS, drug therapy/ HEPATITIS,
INFECTIOUS, immunology/ HUMAN/ *LIVER
CIRRHOSIS, drug therapy/ LIVER
CIRRHOSIS, immunology/ *PREDNISOLONE,
therapeutic use
2957. **Park HS, Ol VT, Yokoyama MM:** Immunochemical and immunopathological studies of trophoblast antigens.
Preliminary results using a crude placental extract.
Hawaii Med J 32:385-8, Nov-Dec 73
ANTIBODIES, NEOPLASM, analysis/
ANTIBODY FORMATION/ CELL
TRANSFORMATION, NEOPLASTIC/ FEMALE/
HUMAN/ NEOPLASMS, blood/ *NEOPLASMS,
immunology/ *PLACENTAL EXTRACTS/
PREGNANCY/ *TROPHOBLAST, immunology
2958. **Parker JM, Mendell JR:** Proximal myopathy induced by 5-HT-impipramine stimulates Duchenne dystrophy.
Nature 247:103-4, 11 Jan 74
ANIMAL EXPERIMENTS/ *DISEASE MODELS,
ANIMAL, chemically induced/ DISEASE
MODELS, ANIMAL, pathology/ *IMIPRAMINE/
MALE/ *MUSCULAR DYSTROPHY, chemically
induced/ MUSCULAR DYSTROPHY, pathology/
RATS/ *SEROTONIN
2959. **Partanen S, Rechardt L:** Uptake of dopamine by the neural lobe of the pituitary gland during postnatal development of the rat.
Experientia 29:1382-4, 15 Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
DOPAMINE, analysis/ *DOPAMINE,
metabolism/ *GROWTH/
HISTOCYTOCHEMISTRY/ MICROSCOPY,
FLUORESCENCE/ PITUITARY GLAND,
POSTERIOR, analysis/ *PITUITARY GLAND,
POSTERIOR, metabolism/ RATS
2960. **Partington MW, Tu JB, Wong CY:** Blood serotonin levels in severe mental retardation.
Dev Med Child Neurol 15:616-27, Oct 73
AGE FACTORS/ BLOOD PRESSURE/ CHILD/
CHILD, PRESCHOOL/ DEFECATION/
DIAZEPAM, therapeutic use/ DIET/
DIPHENYLHYDANTOIN, therapeutic use/
FEMALE/ HUMAN/ HYDROXYINDOLEACETIC
ACID, urine/ INFANT/ MALE/ *MENTAL
RETARDATION, blood/ METHODS/ MOTOR
ACTIVITY/ MUSCLE TONUS/ NEOMYCIN,
therapeutic use/ PHENOBARBITAL,
therapeutic use/ *SEROTONIN, blood/ SEX
FACTORS/ SPECTROPHOTOMETRY
2961. **Parvez H, Parvez S:** The rate limiting control of enzymes monoamine oxidase and catechol-O-methyl transferase in the foetus and the adult by adreno-cortical hormones.
Experientia 29:1259-62, 15 Oct 73
*ADRENAL CORTEX HORMONES, physiology/
ADRENAL GLANDS, enzymology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ CARBON
RADIOISOTOPES/ *CATECHOL
METHYLTRANSFERASE, metabolism/
CHROMAFFIN SYSTEM, enzymology/
CORTICOTROPIN, pharmacodynamics/
FEMALE/ *FETUS, enzymology/
GLUCOCORTICIDS, antagonists & inhibitors/
HYDROCORTISONE, pharmacodynamics/
HYPOTHALAMUS, enzymology/ KIDNEY,
enzymology/ KINETICS/ LUNG, enzymology/
METYRAPONE, pharmacodynamics/
*MONOAMINE OXIDASE, metabolism/
MYOCARDIUM, enzymology/ PITUITARY
GLAND, enzymology/ PREGNANCY/
RABBITS/ TRYPTAMINES, metabolism
2962. **Parwaresch R, Rell GH, Sellaer KU:** Über die Tier- und Organspezifität morphologischer Veränderungen nach chronischer Chlorphentermingabe.
Res Exp Med (Berl) 161:272-88, 23 Nov 73 (Ger)
*ADRENAL GLANDS, drug effects/ ADRENAL
GLANDS, pathology/ ANIMAL EXPERIMENTS/
*APPETITE DEPRESSANTS,
pharmacodynamics/ CELLULAR INCLUSIONS/
CHLORPHENTERMINE, pharmacodynamics/
ENGLISH ABSTRACT/ GUINEA PIGS/
*LIVER, drug effects/ LIVER, pathology/
*LUNG, drug effects/ LUNG, pathology/
MICE/ ORGAN SPECIFICITY/
*PHENETHYLAMINES, pharmacodynamics/
PHOSPHOLIPIDS/ RABBITS/ RATS/
SPLEEN, drug effects/ SPLEEN, pathology/
TIME FACTORS
2963. **Pastorfiide GB, Goldstein DP, Kosasa TS, et al:** Serum chorionic gonadotropin activity after molar

AUTHOR SECTION

- pregnancy, therapeutic abortion, and term delivery.
Am J Obstet Gynecol 118:293-4, 15 Jan 74
*ABORTION, THERAPEUTIC/ CESAREAN
SECTION/ CURETTAGE/ *DELIVERY/
DILATATION/ FEMALE/ *GONADOTROPINS,
CHORIONIC, blood/ HUMAN/
*HYDATIDIFORM MOLE, blood/
HYSTERECTOMY/ LH, blood/ METHODS/
PREGNANCY/ RADIOIMMUNOASSAY/ TIME
FACTORS/ TROPHOBLAST
2964. Patel YC, Burger HG: Serum triiodothyronine in health and disease. Clin Endocrinol (Oxf) 2:339-49, Oct 73
ADOLESCENCE/ ADULT/ CARBIMAZOLE,
therapeutic use/ COMPARATIVE STUDY/
CONTRACEPTIVES, ORAL, pharmacodynamics/
FEMALE/ GOITER, blood/ GOITER,
NODULAR, blood/ HUMAN/
HYPERTHYROIDISM, blood/
HYPERTHYROIDISM, drug therapy/
HYPOTHYROIDISM, blood/ MALE/
RADIOIMMUNOASSAY/ *THYROID DISEASES,
blood/ THYROTROPIN, blood/ THYROTROPIN
RELEASING HORMONE, pharmacodynamics/
THYROXINE, blood/ *TRIIODOTHYRONINE,
blood
2965. Paterson WD, Allen BR, Beveridge GW: Norwegian scabies during immunosuppressive therapy.
Br Med J 4:211-2, 27 Oct 73
ADULT/ *AZATHIOPRINE, adverse effects/
AZATHIOPRINE, therapeutic use/ DISEASE
OUTBREAKS/ HUMAN/ KERATOSIS,
complications/ MALE/ NORWAY/
PREDNISOLONE, administration & dosage/
PREDNISOLONE, therapeutic use/ SCABIES,
diagnosis/ *SCABIES, etiology/ SCABIES,
immunology/ SCABIES, pathology
2966. Patrassi N, Basoli A, Mineo TC, et al: Indicazioni e terapia medica dei tumori beta-insulari ipoglicemizzanti.
Folia Endocrinol (Roma) 26:361-6, Oct 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic
use/ *ANTINEOPLASTIC AGENTS, therapeutic
use/ *CARCINOMA, drug therapy/
DIAZOXIDE, adverse effects/ *DIAZOXIDE,
therapeutic use/ *DIURETICS, THIAZIDE,
therapeutic use/ DRUG THERAPY,
COMBINATION/ FLUOROURACIL, therapeutic
use/ GLUCAGON, therapeutic use/ HUMAN/
*HYPOGLYCEMIA/ *ISLET CELL TUMOR,
drug therapy/ MECHLORETHAMINE,
therapeutic use/ *PANCREATIC NEOPLASMS,
drug therapy/ *STREPTOZOTOCIN, therapeutic
use
2967. Patrick JM, Dobrogosz WJ: The effect of cyclic AMP on anaerobic growth of Escherichia coli.
Biochem Biophys Res Commun 54:555-61, 18 Sep 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ALDEHYDE OXIDOREDUCTASES, metabolism/
ANAEROBOSIS/ CARBON DIOXIDE,
pharmacodynamics/ CELL DIVISION, drug
effects/ COMPARATIVE STUDY/
*ESCHERICHIA COLI, drug effects/
ESCHERICHIA COLI, growth & development/
ESCHERICHIA COLI, metabolism/ FORMIC
ACIDS/ GLUCOSE, metabolism/ MUTATION/
NITRATES, metabolism/ NITRITES,
metabolism/ SPECIES SPECIFICITY/ TIME
FACTORS
2968. Patrilli de Laborde N, Garcia EP, Rosner JM: Direct action of chlormadinone acetate on the testosterone secretion by the dog testis in vivo.
Steroids Lipids Res 4:113-8, Mar 73
ACETATES/ ANIMAL EXPERIMENTS/
*CHLORMADINONE, pharmacodynamics/
CHROMATOGRAPHY, GAS/ DOGS/ MALE/
PERFUSION/ TESTIS, drug effects/ *TESTIS,
secretion/ TESTOSTERONE, blood/
*TESTOSTERONE, secretion/ TIME FACTORS
2969. Patt HM, Lund JE, Maloney MA: Cyclic hematopoiesis in grey collie dogs: a stem-cell problem.
Blood 42:873-84, Dec 73
AUTORADIOGRAPHY/ BLOOD CELL COUNT/
BONE MARROW EXAMINATION/
CHLORIDES/ *DOGS, physiology/ HAIR/
*HEMATOPOIESIS/ IRON, blood/ IRON,
metabolism/ IRON-DEXTRAN COMPLEX/
IRON RADIOISOTOPES/ MITOSIS/
NEUTROPHILS/ *PERIODICITY/
RETICULOCYTES/ TESTOSTERONE/
THYMIDINE, metabolism/ TRITIUM
2970. Patterson JM, Bromer WW: Glucagon structure and function. Preparation and characterization of nitroglucagon and aminoglucagon.
J Biol Chem 248:8337-42, 25 Dec 73
ADENYL CYCLASE, metabolism/ AMINO
ACIDS, analysis/ ANIMAL EXPERIMENTS/
BIOLOGICAL ASSAY/ BLOOD SUGAR,
metabolism/ CATTLE/ CHEMISTRY/
CHROMATOGRAPHY, DEAE-CELLULOSE/
ELECTROPHORESIS, DISC/ ENZYME
ACTIVATION/ GEL FILTRATION/
*GLUCAGON/ GLUCAGON, analysis/
GLUCAGON, chem synthesis/ GLUCAGON,
pharmacodynamics/ LIVER, enzymology/
METHANE/ NITRO COMPOUNDS/ NITRO
COMPOUNDS, analysis/ NITRO COMPOUNDS,
chem synthesis/ NITRO COMPOUNDS,
pharmacodynamics/ PEPTIDE HYDROLASES/
PEPTIDES, analysis/ PEPTIDES, isolation &
purification/ PHOSPHORUS RADIOISOTOPES/
RABBITS/ RADIOIMMUNOASSAY/ RATS/
SWINE/ TRITIUM/ TYROSINE
2971. Patterson R, Lurie AO: Plasma testosterone: a simple assay without chromatography for the clinical laboratory. Am J Clin Pathol 60:879-84, Dec 73
BIOLOGICAL ASSAY/ FEMALE/ HUMAN/
INDICATORS AND REAGENTS/ MALE/
METHODS/ PROTEIN BINDING/ SEX
FACTORS/ SPECTROMETRY, GAMMA/
*TESTOSTERONE, blood/ TIME FACTORS
2972. Patulela MC: As prostaglandins.
Rev Port Pediatr 4:99-17, Jan 73 (45 ref.) (Por)
ANIMAL EXPERIMENTS/ CATTLE/
CHEMISTRY/ HUMAN/ MOLECULAR
CONFORMATION/ NOMENCLATURE/
PROSTAGLANDINS, antagonists & inhibitors/
PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, isolation & purification/
PROSTAGLANDINS, metabolism/
PROSTAGLANDINS, pharmacodynamics/
*PROSTAGLANDINS, physiology/ REVIEW
2973. Paulo LG, Fink GD, Roh BL, et al: Effects of several androgens and steroid metabolites on erythropoietin production in the isolated perfused dog kidney.
Blood 43:39-47, Jan 74
*ANDROGENS, pharmacodynamics/
ANDROSTENOLS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ ANOXIA/ CARBON DIOXIDE,
blood/ *ERYTHROPOIETIN, biosynthesis/
FEMALE/ FLUOXYMESTERONE,
pharmacodynamics/ HYDROGEN-ION
CONCENTRATION/ IRON RADIOISOTOPES/
*KIDNEY, metabolism/ MALE/ MICE/
NANDROLONE, pharmacodynamics/ OXYGEN,
blood/ OXYMETHOLONE, pharmacodynamics/
PERFUSION/ *PREGNANEDIONES,
pharmacodynamics/ STRUCTURE-ACTIVITY
RELATIONSHIP/ TESTOSTERONE,
pharmacodynamics
2974. Paunio KU, Mäkinen KK, Scheinin A: The content of arginine aminopeptidases, hexosamine, and uronic acid sugars in gingival exudate as affected by short term sugar diets. Acta Odontol Scand 31:193-9, 1973
ADULT/ *AMINOPEPTIDASES, analysis/
DIETARY CARBOHYDRATES,
pharmacodynamics/ *GINGIVITIS, enzymology/
GINGIVAL EXUDATE, enzymology/
HEXOSAMINES, analysis/ HISTAMINE,
analysis/ HUMAN/ *PEPTIDE HYDROLASES,
analysis/ SEROTONIN, analysis/ URONIC
ACIDS, analysis
2975. Paupardin-Tritsch D, Gerschenfeld HM: Transmitter role of serotonin in identified synapses in Aplysia nervous system. Brain Res 58:529-34, 30 Aug 73
ANIMAL EXPERIMENTS/ BRAIN
CHEMISTRY/ CELL MEMBRANE
PERMEABILITY/ ELECTRIC STIMULATION/

AUTHOR SECTION

- GANGLIA, drug effects/ *GANGLIA, physiology/ HALLUCINOGENS, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ HYDROXYTRYPTOPHAN, antagonists & inhibitors/ HYDROXYTRYPTOPHAN, metabolism/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ *MOLLUSCA, physiology/ *NEURAL TRANSMISSION/ NEURAL TRANSMISSION, drug effects/ *SEROTONIN, physiology/ SYNAPSES, drug effects/ SYNAPTIC MEMBRANES/ TRYPTAMINES, pharmacodynamics/ TUBOCURARINE, pharmacodynamics
2976. Păușescu E, Chirvasie R, Oslescu J: Comparative in vitro study concerning the effects of thrombin and serotonin on the platelet energy transferring system. *Rev Roum Physiol* 10:407-15, 1973
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ DOGS/ GLUTATHIONE REDUCTASE, metabolism/ NAD, metabolism/ NADP, metabolism/ PROTEINS, metabolism/ *SEROTONIN, pharmacodynamics/ *THROMBIN, pharmacodynamics
2977. Pavel S: Arginine vasotocin release into cerebrospinal fluid of cats induced by melatonin. *Nature [New Biol]* 246:183-4, 12 Dec 73
ANIMAL EXPERIMENTS/ ARGININE/ BIOLOGICAL ASSAY/ CATS/ HYDROLYSIS/ *MELATONIN, pharmacodynamics/ *PINEAL BODY, secretion/ TRYPSIN/ *VASOTOCIN, cerebrospinal fluid/ VASOTOCIN, secretion
2978. Pavel S, Mătreșcu L, Petrescu M: Central corticotropin inhibition by arginine vasotocin in the mouse. *Neuroendocrinology* 12:371-5, 1973
*ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ *CORTICOTROPIN, antagonists & inhibitors/ INJECTIONS, INTRATHECAL/ MALE/ MICE/ OXYTOCIN, pharmacodynamics/ PINEAL BODY, physiology/ VASOPRESSIN, pharmacodynamics/ VASOTOCIN, administration & dosage/ *VASOTOCIN, pharmacodynamics
2979. Pavlok A: Development of the penetration activity of mouse epididymal spermatozoa in vivo and in vitro. *J Reprod Fertil* 36:203-5, Jan 74
ANIMAL EXPERIMENTS/ EPIDIDYMI/ FEMALE/ *FERTILIZATION/ GONADOTROPINS, pharmacodynamics/ MALE/ MICE/ OVULATION, drug effects/ OVUM, metabolism/ *SPERMATOZOA
2980. Pavlovsky S, Eppinger-Helft M, Sackmann Muriel F: Factors that influence the appearance of central nervous system leukemia. *Blood* 42:935-8, Dec 73
*CENTRAL NERVOUS SYSTEM DISEASES, pathology/ CENTRAL NERVOUS SYSTEM DISEASES, radiotherapy/ CEREBROSPINAL FLUID, cytology/ COBALT RADIOISOTOPES/ DAUNOMYCIN, therapeutic use/ HUMAN/ INJECTIONS, INTRATHECAL/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, pathology/ LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, pathology/ LEUKOCYTE COUNT/ MERCAPTOPURINE, therapeutic use/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ PREDNISON, therapeutic use/ RADIOISOTOPE THERAPY/ RECURRENCE/ RETROSPECTIVE STUDIES/ VINCRISTINE, therapeutic use
2981. Pavrovský J, Lichtenberg J, Mostecký H: Rozšíření reseke u plicní rakoviny. *Vnitř Lek* 19:1171-3, Dec 73 (Cze)
CARCINOMA, BRONCHOGENIC, surgery/ CARCINOMA, EPIDERMOID, surgery/ CARCINOMA, OAT CELL, surgery/ ENGLISH ABSTRACT/ HUMAN/ *LUNG NEOPLASMS, surgery/ POSTOPERATIVE COMPLICATIONS
2982. Pawelczyk E, Marciniak B, Proch E: Kinetika rozkladu leków. XXIV. Kataliza kwasowo-zasadowa rozkladu sodowego sulfonanu karbazochromu (KBCh) *Acta Pol Pharm* 30:379-85, 1973 (Pol)
ACID-BASE EQUILIBRIUM/ *ADRENOCROME/ CATALYSIS/ *DRUG STABILITY/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ KINETICS/ SEMICARBAZONES/ SULFONIC ACIDS
2983. Pawelczyk E, Marciniak B: Kinetika rozkladu leków. XXV. Rozklad sodowego sulfonanu karbazochromu w środowisku kwaśnym i zasadowym. *Acta Pol Pharm* 30:387-93, 1973 (Pol)
*ADRENOCROME/ *DRUG STABILITY/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ KINETICS/ SEMICARBAZONES/ SULFONIC ACIDS/ TEMPERATURE
2984. Pawlikowski M, Kula K: A simple method of revealing some stages of spermiogenesis by means of staining with zinc iodide and osmic acid mixture. *Endokrynol Pol* 24:317-21, Jul-Aug 73
ANIMAL EXPERIMENTS/ IODIDES/ MALE/ METHODS/ OSMIUM/ RATS/ *SPERMATOGENESIS/ *STAINS AND STAINING/ TESTIS, cytology/ TESTIS, growth & development/ ZINC
2985. Pawlikowski M, Kunert-Radek J: Effect of dibutyryl cyclic AMP on cell proliferation of adenohypophysis in organ culture. Preliminary report. *Endokrynol Pol* 24:307-10, Jul-Aug 73
ANIMAL EXPERIMENTS/ *CELL DIVISION, drug effects/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FEMALE/ MALE/ ORGAN CULTURE/ *PITUITARY GLAND, cytology/ RATS/ SEX FACTORS
2986. Pawlikowski T, Zieleniewski J, Muszyńska B, et al: Ocena kliniczna działania triamcinolonu w blokadzie czynności kortykotropowej przysadki mózgowej. *Endokrynol Pol* 24:329-32, Jul-Aug 73 (Pol)
ADOLESCENCE/ ADULT/ *CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MIDDLE AGE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ *TRIAMCINOLONE, pharmacodynamics
2987. Pawlitzki IH, Cenani A, Frischbier HJ: Autosomal monosomy (45, XX, C--) in a human embryo with total amelia and further malformations. *Clin Genet* 4:193-202, 1973
ABDOMEN, abnormalities/ *ABNORMALITIES, MULTIPLE/ ADULT/ *ANEUPLOIDY/ ARGINASE, metabolism/ *AUTOSOME ABNORMALITIES/ *CHROMOSOMES, HUMAN, 6-12/ ECTROMELIA/ FEMALE/ FETAL MEMBRANES, cytology/ FETUS, cytology/ HEART DEFECTS, CONGENITAL/ HUMAN/ KARYOTYPING/ MICROCEPHALY/ PLACENTA, enzymology/ PREGNANCY/ SEX CHROMATIN/ UMBILICAL CORD, abnormalities
2988. Payk TR: Myasthenia gravis nach Thymektomie. *Fortschr Med* 91:1338-40, 6 Dec 73 (Ger)
CHOLINESTERASE INHIBITORS, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ MYASTHENIA GRAVIS, drug therapy/ *MYASTHENIA GRAVIS, etiology/ *MYASTHENIA GRAVIS, therapy/ *THYMECTOMY, adverse effects/ THYMOMA, complications/ THYMOMA, surgery/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, surgery
2989. Paymaster JC, Gangadharan P: Some observations on the epidemiology of cancer of the breast in women of Western India. *Int J Cancer* 10:443-50, Nov 72
ABORTION/ ADULT/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, mortality/ *BREAST NEOPLASMS, occurrence/ CERVIX NEOPLASMS, occurrence/ ETHNIC GROUPS/ FAMILY CHARACTERISTICS/ FEMALE/

AUTHOR SECTION

- HUMAN/ INDIA/ MARRIAGE/ MATERNAL AGE/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ OVARIAN NEOPLASMS, occurrence/ OVULATION/ PARITY/ PREGNANCY/ RELIGION/ STERILITY, FEMALE/ UTERINE NEOPLASMS, occurrence
2990. Pchelintsev VP: Sluchai vsochnogo arteriita. Klin Med (Mosk) 51:128-30, Jan 73 (Rus) AGED/ CASE REPORT/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use/ *TEMPORAL ARTERITIS/ TEMPORAL ARTERITIS, diagnosis/ TEMPORAL ARTERITIS, drug therapy
2991. Peaker M, Linzell JL: Proceedings: Changes in milk composition preceding oestrus in the goat: comparison with the effects of exogenous oestrogens. J Endocrinol 59:xliv, Nov 73 ANIMAL EXPERIMENTS/ CHLORIDES, analysis/ COMPARATIVE STUDY/ *ESTROGENS, pharmacodynamics/ *ESTRUS/ FEMALE/ GOATS/ IMMUNOGLOBULINS, analysis/ LACTOSE, analysis/ LIPIDS, analysis/ *MILK, analysis/ POTASSIUM, analysis/ PROTEINS, analysis/ SODIUM, analysis
2992. Pearson TW, Goldner AM: Calcium transport across avian uterus. I. Effects of electrolyte substitution. Am J Physiol 225:1508-12, Dec 73 ANIMAL EXPERIMENTS/ *BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ ELECTROPHYSIOLOGY/ FEMALE/ IN VITRO/ *MAGNESIUM, metabolism/ MUCOUS MEMBRANE, metabolism/ *POTASSIUM, metabolism/ *QUAIL, physiology/ SEROUS MEMBRANE, metabolism/ *SODIUM, metabolism/ *UTERUS, metabolism
2993. Pechennikov GN, Kazantsev FN: Narkoz sombrevinom pri operatsii iskusstvennogo aborta. Akush Ginekol (Mosk) 49:71-2, Jun 73 (Rus) *ABORTION, INDUCED/ *ANESTHESIA, OBSTETRICAL/ FEMALE/ HEMODYNAMICS, drug effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ PREGNANCY/ PROPANIDID/ SEROTONIN, blood
2994. Peck WA, Carpenter J, Messinger K: Cyclic 3',5'-adenosine monophosphate in isolated bone cells. II. Responses to adenosine and parathyroid hormone. Endocrinology 91:148-54, Jan 74 ADENINE, pharmacodynamics/ ADENOSINE, administration & dosage/ ADENOSINE, metabolism/ *ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ BONE AND BONES, cytology/ *BONE AND BONES, metabolism/ CARBON RADIOISOTOPES/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ EPINEPHRINE, pharmacodynamics/ FLUORIDES, pharmacodynamics/ GUANOSINE, pharmacodynamics/ IN VITRO/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ URIDINE, pharmacodynamics
2995. Peeters G, De Buysscher E, Vandevelde M: Milk ejection in primiparous heifers in the presence of their calves. Zentralbl Veterinärmed [A] 20:531-6, Sep 73 ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL/ *CATTLE/ FEMALE/ *LACTATION/ *MATERNAL BEHAVIOR
2996. Pekárek J, Svejcar J, Hřibálová V, et al: The production of migration inhibitory factor (MIF) in rabbit lymphocytes by other than immunological mechanism. Folia Microbiol (Praha) 18:393-401, 1973 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ANTILYMPHOCYTE SERUM/ CONCAVALIN A/ CONCAVALIN A, pharmacodynamics/ DNA, biosynthesis/ ENDOXINS, pharmacodynamics/ FEMALE/ FREUND'S ADJUVANT, pharmacodynamics/ *LYMPHOCYTES, metabolism/ MALE/ *MIGRATION INHIBITORY FACTOR, biosynthesis/ MITOSIS, drug effects/ PLANT AGGLUTININS, pharmacodynamics/ RABBITS
2997. Pekhlivanov K: Chuzhdo tialo v korema, simulirasheto genitalen tumor. Akush Ginekol (Sofia) 12:165-6, 1973 (Bul) *ABDOMEN/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *FOREIGN BODIES, diagnosis/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis
2998. Pellegrini S, Secchiari P, Fassorra C, et al: The determination of testosterone in the plasma of calves by radioimmunoassay. Zentralbl Veterinärmed [A] 20:556-66, Sep 73 ANIMAL EXPERIMENTS/ *CATTLE/ MALE/ METHODS/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood
2999. Pelletier J: Proceedings: Decrease of pituitary responsiveness to LH-RH in castrated rams pretreated with testosterone propionate. J Reprod Fertil 35:601-2, Dec 73 ANIMAL EXPERIMENTS/ CASTRATION/ DEPRESSION, CHEMICAL/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *PITUITARY GLAND, secretion/ SECRETORY RATE, drug effects/ SHEEP/ *TESTOSTERONE, pharmacodynamics
3000. Pendleton RG, Snow IB: The binding order of substrates to phenylethanolamine N-methyltransferase. Mol Pharmacol 9:718-25, Nov 73 ADENOSINE, pharmacodynamics/ ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ CARBON RADIOISOTOPES/ CHLOROBENZENES, pharmacodynamics/ CYCLOPROPANE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HOMOCYSTEINE, pharmacodynamics/ IN VITRO/ KINETICS/ NOREPINEPHRINE/ PHENETHANOLAMINE N-METHYLTRANSFERASE, antagonists & inhibitors/ *PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ PROPYLAMINES, pharmacodynamics/ PROTEIN BINDING, drug effects/ RABBITS
3001. Peng MT, Pi WP, Peng YM: The hypothalamic-pituitary-testicular function of the old rat. J Formosan Med Assoc 72:495-502, Sep 73 *AGING/ ANIMAL EXPERIMENTS/ FSH, analysis/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, analysis/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ LH, analysis/ LH-FSH RELEASING HORMONE, analysis/ MALE/ PITUITARY GLAND, analysis/ RATS/ *TESTIS, physiology
3002. Penhale WJ, Farmer A, McKenna RP, et al: Spontaneous thyroiditis in thymectomized and irradiated Wistar rats. Clin Exp Immunol 15:225-36, Oct 73 ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ANTINUCLEAR FACTORS, analysis/ FEMALE/ HEMAGGLUTINATION TESTS/ LEUKOCYTE COUNT/ LYMPHOCYTES, immunology/ MONOCYTES, immunology/ PLANT AGGLUTININS, pharmacodynamics/ PLASMA CELLS, immunology/ RADIATION DOSAGE/ *RADIATION EFFECTS/ RATS/ *THYMECTOMY/ THYROGLOBULIN, isolation & purification/ THYROID GLAND, pathology/ THYROID GLAND, radiation effects/ *THYROIDITIS, etiology
3003. Penny R, Olambiwonnu NO, Frasier SD: Follicle stimulating hormone (FSH) and luteinizing hormone-human chorionic gonadotropin (LH-HCG) concentrations in paired maternal and cord sera. Pediatrics 53:41-7, Jan 74 ADOLESCENCE/ ADULT/ APGAR SCORE/ BIRTH WEIGHT/ BLOOD/ FEMALE/ *FSH, blood/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ INFANT, NEWBORN/ *LH,

AUTHOR SECTION

blood/ MALE/ RADIOIMMUNOASSAY/ SEX
FACTORS/ UMBILICAL CORD

3004. **Pentchev PG, Brady RO, Hibbert SR, et al:** Isolation and characterization of glucocerebrosidase from human placental tissue. *J Biol Chem* 248:5256-61, 10 Aug 73
CARBON RADIOISOTOPES/ CEREBROSIDES/
CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ DETERGENTS/
ELECTROPHORESIS, DISC/ FEMALE/ GEL
FILTRATION/ GLUCOSE/ GLYCOSIDE
HYDROLASES, antagonists & inhibitors/
*GLYCOSIDE HYDROLASES, isolation &
purification/ GLYCOSIDE HYDROLASES,
metabolism/ GLYCOSIDES, pharmacodynamics/
HUMAN/ HYDROGEN-ION CONCENTRATION/
ISOMERISM/ KINETICS/ MACROMOLECULAR
SYSTEMS/ MOLECULAR WEIGHT/
*PLACENTA, enzymology/ PREGNANCY/
STRUCTURE-ACTIVITY RELATIONSHIP/
TAUROCHOLIC ACID
3005. **Peracchi M, Cavagnini F, Raggi U, et al:** Intervento dell'AMP-ciclico nella regolazione ipotalamo-ipofisaria della secrezione dell'ormone somatotropo.
Folia Endocrinol (Roma) 26:407-11, Oct 73 (Ita)
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ADULT/ AGED/ AMINOPHYLLINE,
pharmacodynamics/ BLOOD SUGAR, analysis/
FATTY ACIDS, NONESTERIFIED, blood/
FEMALE/ HUMAN/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM,
drug effects/ HYPOTHALAMO-HYPOPHYSAL
SYSTEM, physiology/ INSULIN,
pharmacodynamics/ MALE/ MIDDLE AGE/
PITUITARY GLAND, drug effects/
*SOMATOTROPIN, secretion
3006. **Perassi R, Martin A:** Urinary proteins of the normal rat.
Int J Pept Protein Res 5:1-6, 1973
ANIMAL EXPERIMENTS/ BLADDER,
immunology/ *BLOOD PROTEINS, analysis/
BULBOURETHRAL GLANDS, immunology/
EPIDIDYMIS, immunology/ GEL DIFFUSION
TESTS/ IMMUNE SERUMS/
IMMUNOELECTROPHORESIS/ KIDNEY,
immunology/ MALE/ PROSTATE, immunology/
*PROTEINURIA, immunology/ RABBITS,
immunology/ RATS/ SEMINAL VESICLES,
immunology/ TESTIS, immunology/ TISSUE
EXTRACTS, analysis/ URETER, immunology
3007. **Percy R, Leatherland JF:** Proceedings: Fine structure of the pituitary gland in larval sea lampreys (*Petromyzon marinus* L.).
J Endocrinol 59:xi-xx, Nov 73
ANIMAL EXPERIMENTS/ *CYCLOSTOMES,
anatomy & histology/ LARVA, cytology/
MICROSCOPY, ELECTRON/ *PITUITARY
GLAND, cytology
3008. **Péret R:** Le choix des antihistotiques en odonto-stomatologie.
Actual Odontostomatol (Paris) 27:9-39, Mar 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic
use/ ANTIBIOTICS, adverse effects/
ANTIBIOTICS, pharmacodynamics/
ANTIBIOTICS, therapeutic use/
ANTIBIOTICS, therapeutic use/ ANTIBIOTICS,
ANTIFUNGAL, therapeutic use/ BACTERIA,
drug effects/ BACTERIA, enzymology/
CEPHALOSPORINS, therapeutic use/
CHLORAMPHENICOL, therapeutic use/
CHROMOSOMES, BACTERIAL, drug effects/
DRUG COMBINATIONS/ DRUG RESISTANCE,
MICROBIAL/ DRUG THERAPY,
COMBINATION/ ENGLISH ABSTRACT/
HUMAN/ IMMUNOTHERAPY/ *MOUTH
DISEASES, drug therapy/ PENICILLIN,
pharmacodynamics/ PENICILLIN
RESISTANCE/ PENICILLINASE/
SULFONAMIDES, therapeutic use/
TETRACYCLINE, therapeutic use
3009. **Pérez-Palacios G, Iramain CA, Castañeda E, et al:** Plasma profile of pituitary gonadotropins and ovarian steroids in the normal menstrual cycle.
Rev Invest Clin 25:305-13, Oct-Dec 73
*ESTROGENS, blood/ FEMALE/ *FSH, blood/
HUMAN/ *LH, blood/ *MENSTRUATION/
*PREGNANEDIOL, urine/ *PROGESTERONE,
blood/ RADIOIMMUNOASSAY
3010. **Perheentupa J, Kantero RL:** Murrosien somaattinen kehitys ja sen variaatiot.
Duodecim 89:716-25, 1973 (Fin)
ADOLESCENCE/ AGE FACTORS/ BODY
HEIGHT/ CHILD/ FEMALE/ *GROWTH/
GYNECOMASTIA/ HUMAN/ MALE/
*PUBERTY/ PUBERTY, PRECOCIOUS/ SEX
FACTORS
3011. **Perkins ES, Unger WG, Bass M:** Proceedings: The role of prostaglandin in the ocular responses to laser irradiation of the iris. *Exp Eye Res* 17:394-5, 25 Nov 73
ANIMAL EXPERIMENTS/ *EYE INJURIES,
metabolism/ INDOMETHACIN/ INTRAOCULAR
PRESSURE/ *LASERS/ *PROSTAGLANDINS,
analysis/ RABBITS
3012. **Perkins JP:** Adenyl cyclase.
Adv Cyclic Nucleotide Res 3:1-64, 1973 (183 ref.)
ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ *ADENYL CYCLASE,
analysis/ ADENYL CYCLASE, isolation &
purification/ ADENYL CYCLASE, metabolism/
AGING/ ANIMAL EXPERIMENTS/ BINDING
SITES/ CATIONS, DIVALENT/
COMPARATIVE STUDY/ DETERGENTS,
pharmacodynamics/ ENZYME ACTIVATION/
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pharmacodynamics/ KINETICS/
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pharmacodynamics/ MODELS, BIOLOGICAL/
ORGAN SPECIFICITY/ PROTEIN BINDING/
RECEPTORS, HORMONE/ REVIEW/
SOLUBILITY/ SPECIES SPECIFICITY/
SUBCELLULAR FRACTIONS, enzymology/
THERMODYNAMICS
3013. **Perkins JP, Moore MM:** Regulation of the adenosine cyclic 3',5'-monophosphate content of rat cerebral cortex: ontogenetic development of the responsiveness to catecholamines and adenosine.
Mol Pharmacol 9:774-82, Nov 73
ADENINE, metabolism/ *ADENOSINE,
pharmacodynamics/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ADENOSINE
DIPHOSPHATE, hiosynthesis/ ADENOSINE
TRIPHOSPHATE, hiosynthesis/ ADENYL
CYCLASE, metabolism/ ADRENERGIC ALPHA
RECEPTOR BLOCKADERS, pharmacodynamics/
AGING/ ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ CARBON RADIOISOTOPES/
*CATECHOLAMINES, pharmacodynamics/
CEREBRAL CORTEX, enzymology/ CEREBRAL
CORTEX, growth & development/
*CEREBRAL CORTEX, metabolism/ DRUG
SYNERGISM/ FEMALE/ IN VITRO/
ISOPROTERENOL, pharmacodynamics/ MALE/
NOREPINEPHRINE, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/
PREGNANCY/ PROPRANOLOL,
pharmacodynamics/ RATS/ RECEPTORS,
ADRENERGIC
3014. **Perlman SM, Huang AS:** RNA synthesis of vesicular stomatitis virus. V. Interactions between transcription and replication.
J Virol 12:1395-400, Dec 73
CENTRIFUGATION, DENSITY GRADIENT/
CYCLOHEXIMIDE, pharmacodynamics/
DACTINOMYCIN, pharmacodynamics/
FEMALE/ HAMSTERS/ MUTATION/ OVARY/
RIBONUCLEASE/ RNA, MESSENGER,
hiosynthesis/ *RNA, VIRAL, hiosynthesis/
TEMPERATURE/ TISSUE CULTURE/
*TRANSCRIPTION, GENETIC/ TRITIUM/
URIDINE, metabolism/ VESICULAR
STOMATITIS VIRUS, growth & development/
*VESICULAR STOMATITIS VIRUS,
metabolism/ VIRAL PROTEINS, hiosynthesis/
*VIRUS REPLICATION
3015. **Perrin RG, Hockman CH, Kalant H, et al:** Acute effects of ethanol on spontaneous and auditory evoked electrical activity in cat brain.

AUTHOR SECTION

- Electroencephalogr Clin Neurophysiol 36:19-31, Jan 74
*ACOUSTIC STIMULATION/ *ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, ETHYL, blood/ ALCOHOL, ETHYL, pharmacodynamics/ ALPHA RHYTHM/ AMYGDALOID BODY, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ *BRAIN, drug effects/ CATS/ CEREBRAL CORTEX, drug effects/ CORTICAL SYNCHRONIZATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ *EVOKED POTENTIALS, drug effects/ FEMALE/ HIPPOCAMPUS, drug effects/ HYPOTHALAMUS, drug effects/ MALE/ MESENCEPHALON, drug effects/ RETICULAR FORMATION, drug effects
3016. Perry TB, Fraser FC: Variability of serum creatine phosphokinase activity in normal women and carriers of the gene for Duchenne muscular dystrophy. *Neurology (Minneapolis)* 23:1316-23, Dec 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ CONTRACEPTIVES, ORAL/ *CREATINE KINASE, blood/ FEMALE/ FOLLOW-UP STUDIES/ *GENES, RECESSIVE/ HUMAN/ MENSTRUATION/ MIDDLE AGE/ MUSCULAR DYSTROPHY, diagnosis/ *MUSCULAR DYSTROPHY, enzymology/ MUSCULAR DYSTROPHY, familial & genetic/ NEUROMUSCULAR DISEASES, familial & genetic/ PREGNANCY/ SEX CHROMOSOMES
3017. Persaud TV, Moore KL: Letter: Inhibitors of prostaglandin synthesis and fetal development. *Lancet* 1:93, 19 Jan 74
ANIMAL EXPERIMENTS/ CELL DIFFERENTIATION, drug effects/ FEMALE/ FETAL DEATH, chemically induced/ *FETUS, drug effects/ GESTATIONAL AGE/ *INDOMETHACIN, adverse effects/ INDOMETHACIN, pharmacodynamics/ MICE/ PREGNANCY/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ RATS
3018. Persson CG: Adrenergic, cholecystokinetic and morphine-induced effects on extra-hepatic biliary motility. *Acta Physiol Scand [Suppl]* 383:1-32, 1972
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *BILIARY TRACT, drug effects/ BILIARY TRACT, innervation/ CATS/ *CHOLECYSTOKININ, pharmacodynamics/ DEPRESSION, CHEMICAL/ DUODENUM, drug effects/ *EPINEPHRINE, pharmacodynamics/ GALLBLADDER, drug effects/ GALLBLADDER, metabolism/ GALLBLADDER, physiology/ GASTROINTESTINAL MOTILITY, drug effects/ METHODS/ *MORPHINE, pharmacodynamics/ MUSCLE, SMOOTH, drug effects/ MUSCLE TONUS, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ RECEPTORS, ADRENERGIC/ STIMULATION, CHEMICAL/ TETRODOTOXIN, pharmacodynamics/ VATER'S AMPULLA, physiology
3019. Pesetsky I: The development of abnormal cerebellar astrocytes in young hypothyroid rats. *Brain Res* 63:456-60, 7 Dec 73
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CEREBELLUM, pathology/ DISEASE MODELS, ANIMAL/ HYPOTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, pathology/ *NEUROGLIA, cytology/ PROPYLTHIOURACIL/ RATS
3020. Peters H, Byskov AG, Lintern-Moore S, et al: Proceedings: Follicle growth initiation in the immature mouse ovary: extraovarian or intraovarian control? *J Reprod Fertil* 35:819-20, Dec 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ *BODY FLUIDS, analysis/ CATTLE/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, growth & development/ HORSES/ MICE
3021. Petersen GR, Lee JA: High incidence of tumours of testis in New Zealanders, both European and Maori. *NZ Med J* 78:401-3, 14 Nov 73
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AUSTRALIA/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ETHNIC GROUPS/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ NEW ZEALAND/ TESTICULAR NEOPLASMS, mortality/ *TESTICULAR NEOPLASMS, occurrence
3022. Peterson AJ, Henneberry GO, Common RH: Androgen concentrations in the peripheral plasma of laying hens. *Can J Zool* 51:753-8, Jul 73
*ANDROGENS, blood/ ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ FEMALE/ OVIPOSITION/ OVULATION
3023. Peterson EW, Searle R, Mandy FF, et al: The reversal of experimental spasmodic by dihydropyridine-3',5'-adenosine monophosphate. *J Neurosurg* 39:730-4, Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, therapeutic use/ ANIMAL EXPERIMENTS/ BASILAR ARTERY, drug effects/ BLOOD PRESSURE/ BUTYRATES, administration & dosage/ BUTYRATES, pharmacodynamics/ BUTYRATES, therapeutic use/ CATS/ *CEREBRAL ISCHEMIA, TRANSIENT, drug therapy/ CEREBRAL ISCHEMIA, TRANSIENT, etiology/ CONSTRICTION/ DILATATION/ FEMALE/ HEART RATE/ MALE/ SUBARACHNOID HEMORRHAGE, complications/ THEOPHYLLINE, administration & dosage/ THEOPHYLLINE, pharmacodynamics/ THEOPHYLLINE, therapeutic use/ *VASODILATOR AGENTS, therapeutic use
3024. Petes TD, Fangman WL: Preferential synthesis of yeast mitochondrial DNA in alpha factor-arrested cells. *Biochem Biophys Res Commun* 55:603-9, 10 Dec 73
CARBON RADIOISOTOPES/ CELL DIVISION/ CENTRIFUGATION, DENSITY GRADIENT/ DIPLOIDY/ DNA, biosynthesis/ *DNA, MITOCHONDRIAL, biosynthesis/ GENOTYPE/ HAPLOIDY/ *HORMONES, pharmacodynamics/ KINETICS/ SACCHAROMYCES CEREVISIAE, cytology/ SACCHAROMYCES CEREVISIAE, drug effects/ *SACCHAROMYCES CEREVISIAE, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SUBCELLULAR FRACTIONS, enzymology/ TIME FACTORS/ TRITIUM/ URACIL
3025. Petheram IS: Letter: Death in thyrotoxicosis. *Lancet* 2:1151, 17 Nov 73
ADULT/ AUTOPSY/ COMA, etiology/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, mortality/ HYPERTHYROIDISM, pathology/ HYPOGLYCEMIA, complications/ THYROID GLAND, pathology
3026. Petreniuk LM, Averina NI, Al'shchits Eia: Varianty techenia i klinicheskie proavlenia khronicheskogo probretnennogo toksoplazmoza. *Klin Med (Mosk)* 51:50-4, May 73 (Rus)
BRAIN DISEASES, etiology/ CARDIOVASCULAR DISEASES, etiology/ BIOPSY/ HUMAN/ MALE/ REVIEW/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMUS/ JOINT DISEASES, etiology/ MALE/ TOXOPLASMOSIS, complications/ *TOXOPLASMOSIS, diagnosis
3027. Petres J, Poll M, Arbogast R: Zur Klinik und Pathogenese der Verschluss-Azoospermie. *Z Hautkr* 48:801-7, 1 Oct 73 (61 ref.) (Ger)
BIOPSY/ HUMAN/ MALE/ REVIEW/ SPERMATOGENESIS/ *STERILITY, MALE, etiology/ STERILITY, MALE, pathology/ TESTICULAR DISEASES, complications/ TESTIS, abnormalities/ TESTIS, injuries/ TESTIS, pathology/ UROGENITAL NEOPLASMS, complications
3028. Petriccioli JC, Wallace RE, McCoy DW: A comparison

AUTHOR SECTION

- of three in vivo assays for cell tumorigenicity.
Cancer Res 34:105-8, Jan 74
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ *ANTIGENS, NEOPLASMS/
ANTILYMPHOCYTE SERUM/ *CELL LINE/
CORTISONE/ HAMSTERS/ IMMUNE SERUMS/
IMMUNOSUPPRESSION/ MACACA/
METHODS/ MODELS, BIOLOGICAL/
MONKEYS/ *NEOPLASM
TRANSPLANTATION/ *NEOPLASMS,
EXPERIMENTAL, immunology/
TRANSPLANTATION, HETEROLOGOUS/
TRANSPLANTATION, HOMOLOGOUS
3029. Pettavel J, Muller M, Cornu JC, et al: Pour une attitude différenciée devant une lésion suspecte de l'os ou des parties molles. *Helv Chir Acta* 40:577-86, Dec 73 (Fre)
ADULT/ AGED/ BIOPSY/ *BONE AND
BONES, injuries/ *BONE DISEASES, diagnosis/
BONE DISEASES, etiology/ BONE DISEASES,
pathology/ *BONE NEOPLASMS, diagnosis/
BONE NEOPLASMS, etiology/ BONE
NEOPLASMS, pathology/ CHILD/ CHILD,
PRESCHOOL/ *CONNECTIVE TISSUE,
injuries/ DIAGNOSIS, DIFFERENTIAL/
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/
*WOUNDS AND INJURIES, complications
3030. Pettersson S, Söderholm B, Persson JE, et al: Testicular blood flow in man measured with venous occlusion plethysmography and xenon133.
Scand J Urol Nephrol 7:115-9, 1973
AGED/ BLOOD FLOW VELOCITY/
COMPARATIVE STUDY/ EPIDIDYMIS, blood
supply/ HUMAN/ INJECTIONS,
INTRA-ARTERIAL/ MALE/ METHODS/
MIDDLE AGE/ *PLETHYSMOGRAPHY/
*RADIOISOTOPE SCANNING/
*RADIOISOTOPES, diagnostic use/ REGIONAL
BLOOD FLOW/ *TESTIS, blood supply/ TIME
FACTORS/ XENON, administration & dosage/
*XENON, diagnostic use
3031. Pettinger WA, Campbell WB, Keeton K: Adrenergic component of renin release induced by vasodilating antihypertensive drugs in the rat.
Circ Res 33:82-6, Jul 73
ANIMAL EXPERIMENTS/
*ANTIHYPERTENSIVE AGENTS,
pharmacodynamics/ DRUG INTERACTIONS/
HYDRALAZINE, pharmacodynamics/ KIDNEY,
innervation/ *KIDNEY, secretion/ MALE/
MINOXIDIL, pharmacodynamics/
*PIPERIDINES, pharmacodynamics/
PROPRANOLOL, blood/ *PROPRANOLOL,
pharmacodynamics/ *PYRIMIDINES,
pharmacodynamics/ RATS/ *RECEPTORS,
ADRENERGIC/ RENIN, blood/ *RENIN,
secretion/ *VASODILATOR AGENTS,
pharmacodynamics
3032. Petzoldt D: Vitiligo.
Dtsch Med Wochenschr 99:66, 11 Jan 74 (Ger)
HUMAN/ OINTMENTS/ TRIAMCINOLONE,
therapeutic use/ *VITILIGO, drug therapy
3033. Pevet P, Saboureaux M: L'épiphyse du bérissou (Erinaceus europaeus L.) mâle. I. Les pinéaloctes et leur variations ultrastructurales considérées au cours du cycle sexuel.
Z Zellforsch Mikrosk Anat 143:367-85, 18 Oct 73 (Fre)
ANIMAL EXPERIMENTS/ CELL NUCLEUS/
CILIA/ ENDOPLASMIC RETICULUM/
ENGLISH ABSTRACT/ GOLGI APPARATUS/
*HEDGEHOGS, anatomy & histology/
LYSOSOMES/ MALE/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ *PINEAL
BODY, cytology/ REPRODUCTION/
RIBOSOMES
3034. Peyrot A, Andreoletti GE, Pons G, et al: Sedimentation characteristics of thyroglobulin in some amphibians after 131-I iodination in vivo.
Gen Comp Endocrinol 21:461-7, Dec 73
AMINO ACIDS, analysis/ *AMPHIBIA,
physiology/ ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ BUFO/ BUFO BUFO/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ IODINE, metabolism/
IODINE RADIOISOTOPES/ MALE/ PROTEINS,
analysis/ RANA ESCULENTA/
*THYROGLOBULIN, analysis/ THYROID
GLAND, metabolism/ TIME FACTORS/
TRITURUS
3035. Pfaltzgraff RE: The control of neuritis in leprosy with clofazimine. *Int J Lepr* 40:392-8, Oct-Dec 72
ADOLESCENCE/ ADULT/ AFRICA/
ANESTHESIA/ ANILINE COMPOUNDS,
therapeutic use/ CHILD/ CLINICAL
RESEARCH/ CLOFAZIMINE, administration &
dosage/ *CLOFAZIMINE, therapeutic use/
DAPSONE, therapeutic use/ DRUG
SYNERGISM/ DRUG THERAPY,
COMBINATION/ FEMALE/ HUMAN/
HYPERTROPHY, drug therapy/ *LEPROSY,
complications/ LEPROSY, drug therapy/
MALE/ MIDDLE AGE/ NEURITIS,
complications/ *NEURITIS, prevention &
control/ PARALYSIS, drug therapy/
PERIPHERAL NERVES, physiopathology/
PHENYL ETHERS, therapeutic use/
PREDNISONE, therapeutic use/ THIOUREA,
therapeutic use
3036. Pfeiffer J, Schuhknecht HJ, Röder K: Indikation zur Strahlentherapie gynäkologischer Malignome.
Z Aerzt Fortbild (Jena) 67:856-61, 1 Sep 73 (55 ref.) (Ger)
CERVIX NEOPLASMS, radiotherapy/ CERVIX
NEOPLASMS, surgery/ COBALT
RADIOISOTOPES, therapeutic use/ FEMALE/
*GYNECOLOGIC NEOPLASMS, radiotherapy/
HUMAN/ METHODS/ OVARIAN NEOPLASMS,
radiotherapy/ RADIOISOTOPE
TELETERAPY/ REVIEW/ UTERINE
NEOPLASMS, radiotherapy/ UTERINE
NEOPLASMS, surgery/ VAGINAL
NEOPLASMS, radiotherapy/ VULVAR
NEOPLASMS, radiotherapy/ VULVAR
NEOPLASMS, surgery
3037. Pfeiffer RA, Bier L, Majewski F, et al: De novo translocation t(Yq; 15p+) in a malformed boy.
Humangenetik 19:349-52, 20 Sep 73
ABNORMALITIES, MULTIPLE/
AUTORADIOGRAPHY/ CHILD/ CHILD,
PRESCHOOL/ *CHROMOSOME ABERRATIONS/
*CHROMOSOMES, HUMAN, 13-15/ CLEFT
PALATE/ FINGERS, abnormalities/
FLUORESCENCE/ HUMAN/ HYPOGONADISM/
INFANT/ INFANT, NEWBORN/
KARYOTYPING/ MALE/ MENTAL
RETARDATION/ METATARSUS, abnormalities/
*SEX CHROMOSOMES/ SYNOSTOSIS/
THYMIDINE/ TRITIUM
3038. Pham Huu-Chanh, Azum-Gélade MC, Nguyen-van-Bac, et al: Toxicological studies of the N-n-propyl and N-n-butyl derivatives of formamide.
Toxicol Appl Pharmacol 26:596-605, Dec 73
ANIMAL EXPERIMENTS/ BEHAVIOR,
ANIMAL, drug effects/ BLOOD PROTEINS,
analysis/ BODY WEIGHT, drug effects/
CALCIUM, metabolism/ *FORMAMIDE,
toxicity/ HISTOCYTOCHEMISTRY/
INTESTINE, SMALL, pathology/ LETHAL
DOSE 50/ LEUKOCYTE COUNT/ LIVER,
pathology/ MICE/ MOLECULAR WEIGHT/
MOTOR ACTIVITY, drug effects/
POTASSIUM, metabolism/ REGRESSION
ANALYSIS/ SODIUM, metabolism/
SPLENOMEGALY, chemically induced/ TIME
FACTORS
3039. Pham-Huu-Chanh, Nicot-Cartbère MC: Prostaglandin-releasing effect of exogenous noradrenaline in isolated rabbit heart.
Naturwissenschaften 60:482, Oct 73
ANIMAL EXPERIMENTS/ HEART, drug
effects/ IN VITRO/ *MYOCARDIUM,
metabolism/ *NOREPINEPHRINE,
pharmacodynamics/ *PROSTAGLANDINS,
metabolism/ RABBITS/ RECEPTORS,
ADRENERGIC/ SYMPATHETIC NERVOUS
SYSTEM, drug effects
3040. Phan DV, György L: The pressor effect of oxotremorine and arecoline in rats.
Acta Physiol Acad Sci Hung 43:71-84, 1973

AUTHOR SECTION

- ADRENALECTOMY/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARECOLINE, antagonists & inhibitors/ *ARECOLINE, pharmacodynamics/ ATROPINE, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ CEREBRAL VENTRICLES, drug effects/ CHORDOTOMY/ FEMALE/ GANGLIONIC BLOCKADERS, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ MALE/ MECAMYLAMINE, pharmacodynamics/ MORPHINE, pharmacodynamics/ OXOTREMORINE, antagonists & inhibitors/ *OXOTREMORINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ VAGOTOMY
3041. Pharaoh PO, Lawton NF, Ellis SM, et al: The role of triiodothyronine (T3) in the maintenance of euthyroidism in endemic goitre. *Clin Endocrinol (Oxf)* 2:193-9, Jul 73
FEMALE/ *GOITER, ENDEMIC, blood/ HUMAN/ NEW GUINEA/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood
3042. Phifer RF, Spicer SS, Hennigar GR: Histochemical reactivity and staining properties of functionally defined cell types in the human adenohypophysis. *Am J Pathol* 73:569-87, Dec 73
AUTOPSY/ CELL DIFFERENTIATION/ CYTOPLASMIC GRANULES, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ NEURAMINIC ACIDS, analysis/ OXIDATION-REDUCTION/ *PITUITARY GLAND, cytology/ *STAINS AND STAINING
3043. Phillips AG, Fibiger HC: Deficits in stimulation-induced feeding after intraventricular administration of 6-hydroxydopamine in rats. *Behav Biol* 9:749-54, Dec 73
ANIMAL EXPERIMENTS/ APPETITE REGULATION/ *CEREBRAL VENTRICLES, drug effects/ DOPAMINE, physiology/ DRINKING/ EATING, drug effects/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ *FEEDING BEHAVIOR, drug effects/ *HYDROXYDOPAMINE, pharmacodynamics/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ STEREOTAXIC TECHNIQUES/ TRANSLCYPRIMINE, pharmacodynamics
3044. Phillips AG, Valle FP: Differences in reward value of hypothalamic brain stimulation in "exploratory" and "non-exploratory" rats. *Can J Psychol* 27:428-40, Dec 73
ANIMAL EXPERIMENTS/ CONDITIONING, OPERANT/ ELECTRODES, IMPLANTED/ *EXPLORATORY BEHAVIOR/ *HYPOTHALAMUS, physiology/ MALE/ MOTOR ACTIVITY/ RATS/ *REWARD/ *SELF STIMULATION
3045. Phillips RJ, Hawker SG, Moseley HJ: Bare-patches, a new sex-linked gene in the mouse, associated with a high production of XO females. I. A preliminary report of breeding experiments. *Genet Res* 22:91-9, Aug 73
ALLELISM TEST/ ANIMAL EXPERIMENTS/ CROSSES, GENETIC/ FEMALE/ *GENES, DOMINANT/ *GENES, LETHAL/ *HAIR/ LINKAGE (GENETICS)/ MALE/ *MICE/ MUTATION/ RECOMBINATION, GENETIC/ SEX CHROMOSOMES/ SEX FACTORS
3046. Pi WP, Huang HH, Peng MT: Pituitary luteinizing hormone and follicle stimulating hormone concentrations and stalk-median eminence luteinizing hormone-releasing factor and follicle stimulating hormone-releasing factor levels of old female rats. *J Formosan Med Assoc* 72:485-94, Sep 73
*AGING/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CASTRATION/ FEMALE/ *FSH, analysis/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, analysis/ *LH, analysis/ *LH-FSH RELEASING HORMONE, analysis/ *PITUITARY GLAND, analysis/ RATS
3047. Picard L, Masingue M, Andre JM, et al: Les calcifications intra-cranienues au cours des phacomatoses. *J Beige Radiol* 56:347-58, Jul-Aug 73 (Fre)
ANGIOMATOSIS, complications/ AUTOSOME ABNORMALITIES/ BONE NEOPLASMS, complications/ *BRAIN DISEASES, diagnosis/ *CALCINOSIS, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ INTESTINAL POLYPS, familial & genetic/ NEOPLASMS, MULTIPLE PRIMARY, complications/ NEUROFIBROMATOSIS, complications/ OSTEOMALACIA, familial & genetic/ SKIN NEOPLASMS, complications/ SYNDROME/ TUBEROUS SCLEROSIS, complications
3048. Pichler E, Schelbenreiter S, Zhuher K: Eine Patientin mit Seckel-Syndrom. *Monatsschr Kinderheilkd* 121:689-91, Nov 73 (Ger)
*ABNORMALITIES, MULTIPLE, diagnosis/ *BONE DISEASES, diagnosis/ CASE REPORT/ CHILD, PRESCHOOL/ *DWARFISM, diagnosis/ DWARFISM, radiography/ ENGLISH ABSTRACT/ *FACE/ FEMALE/ HUMAN/ MENTAL RETARDATION, complications/ MICROCEPHALY, complications/ SYNDROME
3049. Pickard JD: Proceedings: The mechanism of action of prostaglandin F2a on cerebral flow in the baboon. *J Physiol (Lond)* 234:46P-47P, Oct 73
ANIMAL EXPERIMENTS/ *BABOONS, physiology/ BLOOD PRESSURE/ BRAIN, metabolism/ CARBON DIOXIDE, analysis/ *CEREBROVASCULAR CIRCULATION, drug effects/ INJECTIONS, INTRA-ARTERIAL/ MONKEYS/ OXYGEN, blood/ OXYGEN CONSUMPTION, drug effects/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, pharmacodynamics/ RADIOISOTOPES/ VASCULAR RESISTANCE, drug effects/ XENON
3050. Pickering BT: Proceedings: An in-vitro method for the assay of luteinizing hormone releasing factor. *J Endocrinol* 59:xi-xlii, Nov 73
ANIMAL EXPERIMENTS/ FSH, analysis/ IN VITRO/ *LH-FSH RELEASING HORMONE, analysis/ MALE/ METHODS/ PITUITARY GLAND, analysis/ RATS
3051. Piechowiak H: Das Pinealorgan. Anatomie, Stoffwechselwege, Physiologie und Klinik. *Dtsch Med Wochenschr* 98:2088-94, 2 Nov 73 (12 ref.) (Ger)
ACID-BASE EQUILIBRIUM/ ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ ENDOCRINE DISEASES, diagnosis/ EVOLUTION/ GONADOTROPINS, PITUITARY, physiology/ GONADS, physiology/ GROWTH/ MELATONIN, biosynthesis/ MELATONIN, secretion/ METHYLTRANSFERASES, physiology/ PARATHYROID GLANDS, physiology/ PIGMENTATION/ *PINEAL BODY/ PINEAL BODY, anatomy & histology/ PINEAL BODY, enzymology/ PINEAL BODY, metabolism/ PINEAL BODY, physiology/ PINEALOMA, diagnosis/ RATS/ REVIEW/ SEROTONIN/ THYROID GLAND, physiology
3052. Pierre RV: Preleukemic states. *Semin Hematol* 11:73-92, Jan 74
ABNORMALITIES, MULTIPLE, complications/ ADOLESCENCE/ ADULT/ AGED/ AGRANULOCYTOSIS, familial & genetic/ ANEMIA, APLASTIC, congenital/ ATAXIA TELANGIECTASIA, complications/ BENZENE, adverse effects/ BONE MARROW EXAMINATION/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ INFANT/ KARYOTYPING/ *LEUKEMIA, diagnosis/ MALE/ MIDDLE AGE/ MYELOPROLIFERATIVE DISORDERS, complications/ *PRECANCEROUS CONDITIONS, diagnosis/ SEX CHROMOSOME

AUTHOR SECTION

ABNORMALITIES, complications/
TELANGELECTASIS, complications

3053. Pietrowa N, Jacynowska Z, Duchowska H: Obserwacje i leczenie zapalenia błony naczyniowej oka w przebiegu reumatoidalnego zapalenia stawów u dzieci. *Reumatologia* 11:355-62, 1973 (Pol)

ADOLESCENCE/ AGE FACTORS/
*ARTHRITIS, RHEUMATOID, complications/
CHILD/ CHILD, PRESCHOOL/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
*HYDROCORTISONE, TOPICAL, therapeutic use/
MALE/ MYDRIATICS, therapeutic use/
UVEITIS, complications/ *UVEITIS, drug therapy

3054. Piñón de Berstain C: Asociación de insuficiencia aórtica con osteogénesis imperfecta, en dos sujetos de la misma familia.

Rev Esp Cardiol 26:405-10, Sep-Oct 73 (Spa)
ADULT/ *AORTIC VALVE INSUFFICIENCY, complications/ AORTIC VALVE INSUFFICIENCY, familial & genetic/
ELECTROCARDIOGRAPHY/ FEMALE/
HUMAN/ MALE/ MIDDLE AGE/
*OSTEOGENESIS IMPERFECTA, complications/
OSTEOGENESIS IMPERFECTA, familial & genetic

3055. Pilgrím U, Vogel A, Meves C: Elektroneoptische Faserstrukturen beim Skleromoxödem und beim Sklerödema adutorum.

Dermatologica 147:46-63, 1973 (Ger)
ADULT/ AGED/ BIOPSY/ *CONNECTIVE TISSUE, pathology/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *MYXEDEMA, pathology/
*SCLERODEMA ADULTORUM, pathology/ *SKIN, pathology

3056. Pinchera A, Martino E, Loi AM, et al: TSH response to synthetic TRH in endemic goitre.

Acta Endocrinol [Suppl] (Kbh) 51-2, 1973
FEMALE/ *GOITER, ENDEMIC, metabolism/
HUMAN/ IODINE, urine/ IODINE RADIOISOTOPES/ ITALY/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ STIMULATION, CHEMICAL/ *THYROTROPIN, blood/
*THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood

3057. Plontek W, Lewandowski J: Somatomedyna-pośrednik dlańnia hormonu wzrostu.

Endokrynol Pol 24:485-90, Nov-Dec 73 (Pol)
ENGLISH ABSTRACT/ HUMAN/
SOMATOMEDIN, biosynthesis/
*SOMATOMEDIN, physiology/
*SOMATOTROPIN, physiology

3058. Pirke KM: A comparison of three methods of measuring testosterone in plasma: competitive protein binding, radioimmunoassay without chromatography and radioimmunoassay including thin layer chromatography.

Acta Endocrinol (Kbh) 74:168-76, Sep 73
BINDING, COMPETITIVE/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ GLOBULINS/
HUMAN/ IMMUNE SERUMS/ MALE/
METHODS/ PROTEIN BINDING/ RABBITS, immunology/
RADIOIMMUNOASSAY/
*TESTOSTERONE, blood/ TRITIUM

3059. Pirke KM, Doerr P: Age related changes and interrelationships between plasma testosterone, oestradiol and testosterone-binding globulin in normal adult males.

Acta Endocrinol (Kbh) 74:792-800, Dec 73
ADULT/ AGE FACTORS/ AGED/
*ESTRADIOL, blood/ HUMAN/ MALE/
METHODS/ MIDDLE AGE/ PROTEIN BINDING/
RADIOIMMUNOASSAY/ *SERUM GLOBULINS, metabolism/
*TESTOSTERONE, blood

3060. Piront A, Gerday C: Parvalbumin V of the cyprinidae *Chondrostoma nasus* L. white muscles-purification and characterization.

Comp Biochem Physiol [B] 46:349-59, 15 Oct 73
AMINO ACIDS, analysis/ ANIMAL

EXPERIMENTS/ CALCIUM, metabolism/
CHROMATOGRAPHY, DEAE-CELLULOSE/
*CYPRINIDAE/ ELECTROPHORESIS, STARCH GEL/ GEL FILTRATION/ ISOELECTRIC FOCUSING/ MOLECULAR WEIGHT/ MUSCLE PROTEINS, analysis/
*MUSCLE PROTEINS, isolation & purification/
MUSCLE PROTEINS, metabolism/
MUSCLES, analysis/
PRECIPITATION/ PROTEIN BINDING/
SPECIES SPECIFICITY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TRYPSIN/ ULTRACENTRIFUGATION

3061. Pisarev MA, Altschuler N: Action of potassium iodide on thyroid acid protease.

Acta Endocrinol (Kbh) 74:703-10, Dec 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ CHLORIDES, pharmacodynamics/
DEPRESSION, CHEMICAL/
FLUORIDES, pharmacodynamics/
HYDROGEN-ION CONCENTRATION/ IN VITRO/ LIVER, enzymology/
METHODS/
*PEPTIDE HYDROLASES, antagonists & inhibitors/
POTASSIUM IODIDE, administration & dosage/
*POTASSIUM IODIDE, pharmacodynamics/
RATS/ *THYROID GLAND, enzymology/
TIME FACTORS

3062. Pittaway DE, Andersen RN, Glvens JR: In vitro on an HCG responsive, testosterone secreting adrenal cortical adenoma. *Steroids* 22:731-45, Dec 73

ACETATES, metabolism/
ADENOMA, enzymology/
*ADENOMA, metabolism/
ADENOMA, pathology/
ADENOSINE TRIPHOSPHATE, metabolism/
ADRENAL GLAND NEOPLASMS, enzymology/
*ADRENAL GLAND NEOPLASMS, metabolism/
ADRENAL GLAND NEOPLASMS, pathology/
ANDROSTENEDIONE, metabolism/
CARBON RADIOISOTOPES/ COENZYMES, metabolism/
DEHYDROEPIANDROSTERONE/ ESTRONE, metabolism/
FEMALE/ *GONADOTROPINS, CHORIONIC, metabolism/
HUMAN/ HYDROXYSTEROID DEHYDROGENASES, metabolism/
IN VITRO/ MITOCHONDRIA, metabolism/
NAD, metabolism/
NADP, metabolism/
PREGNENOLONE/
PREGNENOLONE, metabolism/
PROGESTERONE/ RADIOIMMUNOASSAY/
SUBCELLULAR FRACTIONS, metabolism/
TESTOSTERONE/ *TESTOSTERONE, blood/
TRITIUM

3063. Pitzele BS: Synthesis of 2-oxygenated glycyrrhetic acid derivatives. *J Med Chem* 17:191-4, Feb 74

ANIMAL EXPERIMENTS/ ANTIFUNGAL AGENTS, pharmacodynamics/
ANTI-INFECTIVE AGENTS, chem synthesis/
ANTI-INFECTIVE AGENTS, pharmacodynamics/
BACILLUS SUBTILIS, drug effects/
CELLS, CULTURED/ DESOXYCORTICOSTERONE, antagonists & inhibitors/
ERWINIA, drug effects/
*GLYCYRRHIZA/ INFLUENZA VIRUSES, drug effects/
KIDNEY/ MICROBIAL SENSITIVITY TESTS/
MONILIALES, drug effects/
MONKEYS/ NUCLEAR MAGNETIC RESONANCE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/
TRICHOPHYTON, drug effects/
*TRITERPENES, chem synthesis/
TRITERPENES, pharmacodynamics/
TRITERPENES, therapeutic use/
ULCER, drug therapy

3064. Piven' NV, Pevzner LZ: Vliyanie ostroï gipotermii na soderzhanie RNK v neuronakh i neiroglii supraopticheskogo ladra gipotalamusa.

Fiziol Zh SSSR 59:237-41, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/
*COLD/ CYTOPLASM, metabolism/
ENGLISH ABSTRACT/
*HYPOTHALAMUS, metabolism/
MALE/ NEUROGLIA, metabolism/
NEURONS, metabolism/
RATS/ *RNA, metabolism

3065. Pizzocaro G, Ravasi GL, Bozzetti F, et al: L'intalcamento del cavo pleurico nel trattamento del versamenti neoplastici recidivanti.

Tumori 59:287-93, Jul-Aug 73 (Ita)
BREAST NEOPLASMS, complications/
CARCINOMA, complications/
ENGLISH

AUTHOR SECTION

- ABSTRACT/ HODGKIN'S DISEASE, complications/ HUMAN/ LUNG NEOPLASMS, complications/ MELANOMA, complications/ *NEOPLASMS, complications/ PLEURAL EFFUSION, etiology/ *PLEURAL EFFUSION, therapy/ PLEURAL NEOPLASMS, complications/ *TALC, therapeutic use/ THYROID NEOPLASMS, complications/ UTERINE NEOPLASMS, complications
3066. Plakhuta-Plakutina GI, Savina EA, Federova NL: Morfologicheskie izmeneniia v semennikakh sohak pri khronicheskom i kombinirovannom gamma-obluchenii. Kosm Biol Med 6:29-34, Nov-Dec 72 (Rus)
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE, radiation effects/ DOGS/ MALE/ *RADIATION EFFECTS/ SERTOLI CELLS, radiation effects/ *SPERMATOGENESIS, radiation effects/ SPERMATOZOA, radiation effects/ TESTIS, cytology/ *TESTIS, radiation effects/ TIME FACTORS
3067. Plata EJ, Abell MR, Murphy WH: Induction of leukemoid disease in mice by Mycoplasma fermentans. J Infect Dis 128:588-97, Nov 73
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ BONE MARROW CELLS/ CORTISONE, therapeutic use/ FEMALE/ GOLD THIOMALATE, therapeutic use/ IMMUNE SERUMS/ INJECTIONS, INTRAPERITONEAL/ *LEUKEMOID REACTION, etiology/ LEUKEMOID REACTION, pathology/ LEUKEMOID REACTION, prevention & control/ LEUKOCYTE COUNT/ LYMPHOCYTES/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED STRAINS/ *MYCOPLASMA/ MYCOPLASMA, isolation & purification/ *MYCOPLASMA INFECTIONS, complications/ MYCOPLASMA INFECTIONS, immunology/ RABBITS, immunology/ SPECIES SPECIFICITY/ SPLEEN, pathology/ TETRACYCLINE, therapeutic use
3068. Platt D, Schnorr B: Ultrastrukturelle Veränderungen der Rattenleber nach Gabe von 1-Naphthyl-Isocyanat (ANIT). Acta Hepatogastroenterol (Stuttg) 19:356-61, Sep-Oct 72 (Ger)
ANIMAL EXPERIMENTS/ BIOPSY/ ENDOPLASMIC RETICULUM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ KUPFFER CELLS, drug effects/ *LIVER, drug effects/ LIVER, pathology/ LYSOSOMES, drug effects/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, LIVER, drug effects/ RATS/ *THIOCYANATES, pharmacodynamics
3069. Plehwe K: Editorial: Comment on lymphography. Australas Radiol 17:240-1, Sep 73
EMBOLISM, etiology/ HUMAN/ *LYMPHOGRAPHY/ LYMPHOGRAPHY, adverse effects/ LYMPHOMA, radiography/ MALE/ TESTICULAR NEOPLASMS, radiography
3070. Pletscher A, Prada M da, Steffen H, et al: Mechanisms of catecholamine accumulation in adrenal chromaffin granules. Brain Res 62:317-26, 23 Nov 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL MEDULLA, drug effects/ *ADRENAL MEDULLA, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ *CATECHOLAMINES, metabolism/ CATTLE/ ETHYLMALIMIDE, pharmacodynamics/ FLUORESCENCE/ MAGNESIUM, metabolism/ RABBITS/ RESERPINE, pharmacodynamics/ *SYNAPTIC MEMBRANES, metabolism/ SYNAPTIC VESICLES, metabolism/ ULTRACENTRIFUGATION
3071. Plöen L: A light microscope study of the immediate and delayed effects on rabbit spermatogenesis following experimental cryptorchidism for twenty-four hours. Virchows Arch [Zellpathol] 14:185-96, 28 Nov 73
ANIMAL EXPERIMENTS/ CELL DIVISION/ *CRYPTORCHISM, pathology/ MALE/ MICROSCOPY/ RABBITS/ *SPERMATOGENESIS/ SPERMATOZOA/ TIME FACTORS
3072. Plöen L: An electron microscope study of the delayed effects on rabbit spermatogenesis following experimental cryptorchidism for twenty-four hours. Virchows Arch [Zellpathol] 14:159-84, 28 Nov 73
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ *CRYPTORCHISM, pathology/ MALE/ MICROSCOPY, ELECTRON/ RABBITS/ *SPERMATOGENESIS/ SPERMATOZOA, cytology/ TIME FACTORS
3073. Plotkin D, Kagan AR, Nussbaum H, et al: Breast carcinomatosis and treatment. A practical approach to the treatment of disseminated carcinoma of the breast. Oncology 28:509-16, 1973
ADRENALECTOMY/ BONE NEOPLASMS, therapy/ BRAIN NEOPLASMS, therapy/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ *CARCINOMA, therapy/ CASTRATION/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ LIVER NEOPLASMS, therapy/ LUNG NEOPLASMS, therapy/ MASTECTOMY/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ REMISSION/ SKIN NEOPLASMS, therapy
3074. Podgorski J, Ströder J: Il trattamento dell'ipercalcemia nell'infanzia. Minerva Med 64:4003-4, 27 Oct 73 (Ita)
CALCITONIN, administration & dosage/ DIET THERAPY/ EDTA, administration & dosage/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERCALCEMIA, therapy/ INFANT/ INFANT NUTRITION/ PREDNISONE, administration & dosage/ SODIUM, administration & dosage
3075. Podoba J, Michajlovskij M, Stukovsky R: Iodine deficiency, environmental goitrogens and genetic factors in the etiology of endemic goiter. Acta Endocrinol [Suppl] (Kbb) 36-7, 1973
ADULT/ ANIMAL EXPERIMENTS/ DEFICIENCY DISEASES/ FEMALE/ *GOITER, ENDEMIC, etiology/ GOITER, ENDEMIC, familial & genetic/ GUINEA PIGS/ HUMAN/ *IODINE/ IODINE, analysis/ IODINE, urine/ MIDDLE AGE/ MILK, analysis/ RABBITS/ RATS/ THIOCYANATES, analysis/ *THIOCYANATES, poisoning/ *VEGETABLES/ VEGETABLES, analysis/ WATER SUPPLY
3076. Podoba J, Stukowsky R, Knopp J: Iodine prophylaxis in conditions on an European continental country. Acta Endocrinol [Suppl] (Kbb) 108-9, 1973
ADULT/ AGE FACTORS/ CZECHOSLOVAKIA/ FEMALE/ FOLLOW-UP STUDIES/ FOOD ADDITIVES/ GOITER, ENDEMIC, occurrence/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE RADIOISOTOPES/ MASS SCREENING/ SODIUM CHLORIDE/ THYROID GLAND FUNCTION TESTS
3077. Pogoslants EE: Kbromosomnala izmeniclivost' i kantserogenez. Vestn Akad Med Nauk SSSR 28:49-54, 1973 (Rus)
ANIMAL EXPERIMENTS/ CARCINOGENS, pharmacodynamics/ CELL TRANSFORMATION, NEOPLASTIC, drug effects/ *CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, familial & genetic/ CHROMOSOMES, analysis/ *CYTOGENETICS/ DISGERMINOMA, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ HAMSTERS/ HUMAN/ KARYOTYPING/ MALE/ MICE/ MICE, INBRED A/ MICE, INBRED C57BL/ MUTAGENS, pharmacodynamics/ NEOPLASMS, etiology/ *NEOPLASMS, familial & genetic/ OVARIAN NEOPLASMS, familial & genetic/ REVIEW/ TERATOID TUMOR, familial & genetic/ TESTICULAR NEOPLASMS, familial & genetic
3078. Pointer RH, Fain JN: Response of isolated white fat cells to anti-malarial drugs. Biochem Pharmacol 22:3025-32, 1 Dec 73
ADENYL CYCLASE, antagonists & inhibitors/

AUTHOR SECTION

- *ADIPOSE TISSUE, cytology/ ANIMAL EXPERIMENTS/ *ANTIMALARIALS, pharmacodynamics/ CHLOROQUINE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DRUG SYNERGISM/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ GLYCERIN, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PRIMAQUINE, pharmacodynamics/ PROTEINS, metabolism/ QUINACRINE, pharmacodynamics/ QUINIDINE, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics/ TRIGLYCERIDES, metabolism
3079. Polier G, De Lean A, Pelletier G, et al: Purification of adenylylase from plasma membranes and properties of associated adenylylase.
J Biol Chem 249:316-22, 10 Jan 74
ADENOSINE TRIPHOSPHATASE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ CATTLE/ CELL FRACTIONATION/ CELL MEMBRANE, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CORTICOTROPIN, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FLUORIDES, pharmacodynamics/ MAGNESIUM/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ MICROSCOPY, ELECTRON/ NUCLEOTIDASES, metabolism/ PHOSPHORUS RADIOISOTOPES/ PITUITARY GLAND, analysis/ PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, enzymology/ POTASSIUM/ PROLACTIN, analysis/ SODIUM/ SUBCELLULAR FRACTIONS, enzymology/ TRITIUM
3080. Pole JG: Childhood leukaemia presenting in the central nervous system. Arch Dis Child 48:867-71, Nov 73
AUTOPSY/ *BRAIN NEOPLASMS, complications/ CHILD/ CHILD, PRESCHOOL/ DAUNOMYCIN, therapeutic use/ HUMAN/ *LEUKEMIA, diagnosis/ LEUKEMIA, drug therapy/ LEUKEMIA, mortality/ MALE/ MERCAPTOPURINE, therapeutic use/ NEOPLASM METASTASIS/ PREDNISONE, therapeutic use/ TIME FACTORS/ VINCRISTINE, therapeutic use
3081. Pollak A, Smith JJ, Romney SL: Clinical evaluation of clomiphene; clomiphene and human chorionic gonadotropin; and clomiphene, human chorionic gonadotropin, and estrogens in anovulatory cycles. Fertil Steril 24:921-5, Dec 73
ABORTION, INDUCED/ BODY TEMPERATURE/ CERVIX MUCUS, analysis/ CLOMIPHENE, administration & dosage/ CLOMIPHENE, adverse effects/ CLOMIPHENE, pharmacodynamics/ *CLOMIPHENE, therapeutic use/ COMPARATIVE STUDY/ ESTROGENS, adverse effects/ ESTROGENS, pharmacodynamics/ *ESTROGENS, therapeutic use/ FEMALE/ FERTILIZATION, drug effects/ GONADOTROPINS, CHORIONIC, adverse effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *OVULATION, drug effects/ PREGNANCY/ STERILITY, FEMALE, drug therapy/ VAGINAL SMEARS
3082. Pollakov AN, Lirtsman VM: Uroven' mineralizatsii mikrostruktur proksimal'nogo kontsa bedrennief kosti v zrosloge cheloveka.
Ortop Travmatol Protez 34:70-4, May 73 (Rus)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMUR, analysis/ *FEMUR, pathology/ HUMAN/ MICrorADIOGRAPHY/ MIDDLE AGE/ MINERALS, analysis/ OSTEOPOROSIS, pathology
3083. Polczer M, Bihari Z, Konrády A, et al: Verwendung des "TSH Releasing Hormone" (TRH) bei der Untersuchung des Hypothalamus-Hypophysen-Schilddrüsen-Systems. Z Aerzt Fortbild (Jena) 67:872-5, 1 Sep 73 (Ger)
ADULT/ BRAIN DISEASES, diagnosis/ FEMALE/ HUMAN/ *HYPOTHALAMUS, physiology/ HYPOTHYROIDISM, diagnosis/ INJECTIONS, INTRAVENOUS/ MALE/ METHODS/ MIDDLE AGE/ PITUITARY GLAND, diagnosis/ *PITUITARY GLAND, physiology/ *THYROID GLAND, physiology/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ TIME FACTORS
3084. Pollard HB, Miller A, Cox GC: Synaptic vesicles: structure of chromaffin granule membranes.
J Supramol Struct 1:295-306, 1973
ADENOSINE TRIPHOSPHATASE, analysis/ ADRENAL MEDULLA, cytology/ CELL FRACTIONATION/ CELL MEMBRANE, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMAFFIN SYSTEM, analysis/ CHROMAFFIN SYSTEM, cytology/ CHROMAFFIN SYSTEM, enzymology/ CYTOCHROME REDUCTASES, analysis/ CYTOCHROMES, analysis/ DOPAMINE BETA HYDROXYLASE, analysis/ FREEZING/ GLUCOSEPHOSPHATASE, analysis/ MICROSCOPY, ELECTRON/ MODELS, BIOLOGICAL/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/ MONOAMINE OXIDASE, analysis/ OXIDATION-REDUCTION/ PROTEIN CONFORMATION/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *SYNAPTIC VESICLES, analysis/ X-RAY DIFFRACTION
3085. Polli E, Fleschl A: Le alterazioni dell'equilibrio acido-base. Minerva Med 64:443-9, 21 Nov 73 (Ita)
*ACID-BASE EQUILIBRIUM/ *ACIDOSIS, etiology/ ACIDOSIS, RENAL TUBULAR, etiology/ ACIDOSIS, RESPIRATORY, etiology/ *ALKALOSIS, etiology/ ALKALOSIS, RESPIRATORY, etiology/ BRAIN DISEASES, complications/ ENDOCRINE DISEASES, complications/ HUMAN/ KIDNEY DISEASES, complications/ LIVER DISEASES, complications/ METABOLIC DISEASES, complications/ RESPIRATORY TRACT DISEASES, complications
3086. Polovotskaja GM, Benikova EA, Derevianko DI: Glukokortikoidnaja funktsija nadpochecnikov u bol'nykh tserebral'nym nanel'mom.
Probl Endokrinol (Mosk) 19:31-5, Nov-Dec 73 (Rus)
ADOLESCENCE/ *ADRENAL GLANDS, metabolism/ ADULT/ *BRAIN DISEASES, metabolism/ CHILD/ CIRCADIAN RHYTHM/ *DWARFISM, metabolism/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ HYPOTHYROIDISM, metabolism
3087. Poluektov AI: Reparativnaja regeneratsija adenokortikal'nykh struktur pri autotransplantatsii nadpochecnikov.
Eksp Khir Anesteziol 18:28-31, Jul-Aug 73 (Rus)
ADRENAL GLANDS, cytology/ *ADRENAL GLANDS, transplantation/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ MALE/ MICE/ *REGENERATION/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS
3088. Pomerance JJ, Yaffe SJ: Maternal medication and its effect on the fetus.
Curr Probl Pediatr 4:3-60, Nov 73 (376 ref.)
ALCOHOL, ETHYL, adverse effects/ AMPHETAMINE, adverse effects/ ANALGESICS AND ANTIPIRENETICS, adverse effects/ ANTACIDS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTICOAGULANTS, adverse effects/ ANTICONVULSANTS, adverse effects/ ANTIDEPRESSIVE AGENTS, adverse effects/ ANTIDIABETICS, adverse effects/ ANTIEMETICS, adverse effects/ ANTIHISTAMINICS, adverse effects/ ANTIHYPERTENSIVE AGENTS, adverse effects/ ANTITUBERCULAR AGENTS, adverse effects/ BRONCHODILATOR AGENTS, adverse effects/ DIURETICS, adverse effects/ FEMALE/ *FETUS, drug effects/ HORMONES,

AUTHOR SECTION

- adverse effects/ HUMAN/ HYPNOTICS AND SEDATIVES, adverse effects/ LYSERGIC ACID DIETHYLAMIDE, adverse effects/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ REVIEW/ SMOKING, complications/ TRANQUILIZING AGENTS, adverse effects
3089. Pomerantz G, Sorrentino S Jr: The influence of melatonin administered subcutaneously, intravenously, or intraocularly upon ovulation in the PMS-treated immature rat. *Neuroendocrinology* 12:354-61, 1973
ANIMAL EXPERIMENTS/ EYE/ FEMALE/ *GONADOTROPINS, EQUINE, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ *MELATONIN, administration & dosage/ MELATONIN, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *OVULATION, drug effects/ RATS/ UTERUS, anatomy & histology
3090. Ponka JL, Brusb BE, Hodgkinson CP: Colorectal endometriosis. *Dis Colon Rectum* 16:490-9, Nov-Dec 73
ADULT/ ANDROGENS, therapeutic use/ CASTRATION/ COLONIC NEOPLASMS, drug therapy/ COLONIC NEOPLASMS, radiography/ COLONIC NEOPLASMS, surgery/ *ENDOMETRIOSIS, diagnosis/ ENDOMETRIOSIS, drug therapy/ ENDOMETRIOSIS, radiography/ ENDOMETRIOSIS, surgery/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PHYSICAL EXAMINATION/ PROGESTATIONAL HORMONES, therapeutic use/ *RECTAL NEOPLASMS, diagnosis/ RECTAL NEOPLASMS, drug therapy/ RECTAL NEOPLASMS, radiography/ RECTAL NEOPLASMS, surgery
3091. Pontuch A: Učelná a moderní farmakoterapie v gynekologii a porodnictví léčba v těhotenství. *Cesk Gynecol* 38:845-7, Nov 73 (Slo)
ABNORMALITIES, DRUG-INDUCED/ ANTIBIOTICS, adverse effects/ FEMALE/ FETUS, drug effects/ GESTATIONAL AGE/ GLUCOCORTICOIDS, adverse effects/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS, drug therapy
3092. Forsius AJ, Zwielen PA van: Letter: The influence of halothane on calcium uptake by isolated cell membranes. *J Pharm Pharmacol* 25:780-1, Sep 73
ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ *CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ GUINEA PIGS/ *HALOTHANE, pharmacodynamics/ HEART VENTRICLE/ IN VITRO
3093. Porter R, Cromble AL: Corneal calcification as a presenting and diagnostic sign in hyperparathyroidism. *Br J Ophthalmol* 57:865-8, Sep 73
ADENOMA, complications/ ALKALINE PHOSPHATASE, blood/ BARIUM SULFATE, diagnostic use/ *CALCINOSIS, complications/ CALCIUM, blood/ *CORNEA/ *EYE MANIFESTATIONS/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPLASIA/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ SELENIUM, diagnostic use/ UREA, blood/ UROGRAPHY
3094. Porter WG, Lyle CB Jr: Leukemoid reaction: an unusual manifestation of autoimmune hemolytic anemia. *South Med J* 67:79-80, Jan 74
AGED/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, complications/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ FEMALE/ HEMATOCRIT/ HEMOGLOBINOMETRY/ HUMAN/ *LEUKEMOID REACTION, etiology/ LEUKOCYTE COUNT/ LEUKOCYTOSIS, etiology/ PENICILLIN G, PROCAINE, therapeutic use/ PREDNISONE, therapeutic use
3095. Portugal-Alvarez J, Zamarrón A, Yangüela J, et al: Letter: Lipolysis induced by coffee and tobacco: its modification by insulin. *J Pharm Pharmacol* 25:688-9, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ CAFFEINE, pharmacodynamics/ *COFFEE/ *FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ *INSULIN, pharmacodynamics/ TIME FACTORS/ *TOBACCO
3096. Porubsky ES, Murray JP, Pratt LL: Cricopharyngeal achalasia in dermatomyositis. *Arch Otolaryngol* 98:428-9, Dec 73
BIOPSY/ DEGLUTITION DISORDERS, etiology/ *DERMATOMYOSITIS, complications/ DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, pathology/ DILATATION/ ELECTROMYOGRAPHY/ ESOPHAGOSCOPY/ HUMAN/ *LARYNGEAL DISEASES, etiology/ LARYNGEAL DISEASES, pathology/ LARYNGISMUS, etiology/ LARYNGISMUS, pathology/ MALE/ MIDDLE AGE/ MUSCLE, SMOOTH/ MUSCLE, SMOOTH, pathology/ *PHARYNGEAL DISEASES, etiology/ PHARYNGEAL DISEASES, pathology/ PHARYNX, pathology/ PREDNISONE, therapeutic use/ *SPASM, etiology/ SPASM, pathology
3097. Posnovec J, Durst-Zivković B: Reinke's crystals-1 at damaged germinal epithellum. *Experientia* 29:1378, 15 Nov 73
CYTOPLASMIC GRANULES/ EPITHELIAL CELLS/ HUMAN/ *LEYDIG CELLS, pathology/ MALE/ *STERILITY, MALE, pathology/ *TESTIS, pathology
3098. Post ME, Sun AY: The effect of chronic ethanol administration on the levels of catecholamines in different regions of the rat brain. *Res Commun Chem Pathol Pharmacol* 6:887-94, Nov 73
ADENOSINE TRIPHOSPHATASE, metabolism/ ALCOHOL, ETHYL, blood/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ BRAIN, drug effects/ BRAIN, metabolism/ *BRAIN CHEMISTRY, drug effects/ BRAIN STEM, analysis/ *CATECHOLAMINES, analysis/ CAUDATE NUCLEUS, analysis/ CEREBRAL CORTEX, enzymology/ DOPAMINE, analysis/ HYPOTHALAMUS, analysis/ LIVER, drug effects/ MALE/ NOREPINEPHRINE, analysis/ ORGAN WEIGHT/ POTASSIUM/ RATS/ SODIUM/ TIME FACTORS
3099. Post RM, Goodwin FK: Simulated behavior states: an approach to specificity in psychobiological research. *Biol Psychiatry* 7:237-54, Dec 73 (90 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, cerebrospinal fluid/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ *BIOLOGY/ DEPRESSION, cerebrospinal fluid/ DEPRESSION, metabolism/ DEPRESSION, urine/ EMOTIONS/ HOMO VANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ METHOXYHYDROXYPHENYL GLYCOL, cerebrospinal fluid/ METHOXYHYDROXYPHENYL GLYCOL, urine/ MODELS, BIOLOGICAL/ MODELS, PSYCHOLOGICAL/ MOTOR ACTIVITY/ *PSYCHIATRY/ PSYCHOSES, MANIC-DEPRESSIVE, cerebrospinal fluid/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ PSYCHOSES, MANIC-DEPRESSIVE, urine/ *RESEARCH DESIGN/ REVIEW/ SLEEP DEPRIVATION/ STRESS, PSYCHOLOGICAL
3100. Post RM, Goodwin FK: Effects of amitriptyline and imipramine on amine metabolites in the cerebrospinal fluid of depressed patients. *Arch Gen Psychiatry* 30:234-9, Feb 74
ADULT/ AMITRIPTYLINE, pharmacodynamics/

AUTHOR SECTION

- *AMITRIPTYLINE, therapeutic use/
BIOLOGICAL TRANSPORT, drug effects/
BRAIN CHEMISTRY, drug effects/
DEPRESSION, cerebrospinal fluid/
*DEPRESSION, drug therapy/ DEPRESSION,
metabolism/ DOPAMINE, metabolism/
FEMALE/ HOMOVANILIC ACID,
cerebrospinal fluid/ HOSPITALIZATION/
HUMAN/ *HYDROXYINDOLEACETIC ACID,
cerebrospinal fluid/ IMIPRAMINE,
pharmacodynamics/ *IMIPRAMINE, therapeutic
use/ MALE/ METABOLIC CLEARANCE RATE,
drug effects/ MIDDLE AGE/
*PHENYLACETATES, cerebrospinal fluid/
SEROTONIN, metabolism
3101. Postle DS, Linquist WE: Efficacy of an antibiotic
treatment in the nonlactating udder (a field study).
Vet Med Small Anim Clin 68:1241-2 passim, Nov 73
ANIMAL EXPERIMENTS/ *ANTIBIOTICS,
therapeutic use/ CATTLE/ FEMALE/
LACTATION/ *MASTITIS, BOVINE, drug
therapy/ PREGNANCY/ UDDER
3102. Postnov IuV, Strakhov EV, Glukhovets BI, et al:
Morfometricheskaya kharakteristika nefronov
krupnokletochnykh sekretornykh lader glotalamusa
i gabenullarnogo ladra éptalamusa pri
gl'pertonicheskoj bolezni i khronicheskoi pochechnoi
gl'pertonii.
Kardiologiya 13:64-70, Jan 73 (Rus)
ADULT/ AUTOPSY/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ *HYPERTENSION,
pathology/ *HYPERTENSION, RENAL,
pathology/ *HYPOTHALAMUS, pathology/
MALE/ MIDDLE AGE/ NEURONS/
*NEUROSECRETORY SYSTEMS, pathology/
*THALAMUS, pathology
3103. Potapova Eia, Rykkel' EM, Vasil'eva KG: Tri sluchala
spontannogo pnevmotoraksa pri gormonoterapii.
Probl Tuberk 51:85-6, 1973 (Rus)
ADOLESCENCE/ FEMALE/ HUMAN/ MALE/
*PNEUMOTHORAX, chemically induced/
*PREDNISOLONE, adverse effects/
PREDNISOLONE, therapeutic use/
TUBERCULOSIS, PULMONARY, complications/
TUBERCULOSIS, PULMONARY, drug therapy
3104. Poulliaude JM, Bourgeois J, Graveriau D, et al:
Syndrome d'hypersécrétion d'hormone
antidiurétique au cours d'une méningite chez un
enfant de 21 mois.
Pediatrice 28:533-46, Jul-Aug 73 (Fre)
*ENDOCRINE DISEASES, etiology/ HUMAN/
INFANT/ MALE/ *MENINGITIS,
complications/ PURPURA, etiology/ SHOCK,
etiology/ *VASOPRESSIN, secretion
3105. Poulsen K: Kinetics of the renin system. The basis for
determination of the different components of the
system. Scand J Clin Lab Invest 31:3-86, 1973 (370 ref.)
*ANGIOTENSIN, metabolism/ ANGIOTENSIN
II, metabolism/ ANGIOTENSINASE,
metabolism/ ANIMAL EXPERIMENTS/
ANTIGEN-ANTIBODY REACTIONS/ BLOOD/
DEPRESSION, CHEMICAL/ HEPARIN,
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CONCENTRATION/ KINETICS/ KININASE II,
metabolism/ METHODS/ PEPTIDES,
pharmacodynamics/ RADIOIMMUNOASSAY/
RATS/ RENIN, antagonists & inhibitors/
RENIN, blood/ *RENIN, metabolism/
REVIEW/ STIMULATION, CHEMICAL/
TEMPERATURE/ TIME FACTORS
3106. Pourreau-Schnelder N: Masculinizing effects of a
testicular interstitial cell tumour graft on female rats.
J Endocrinol 59:353-61, Nov 73
ADRENAL GLANDS, drug effects/ ANIMAL
EXPERIMENTS/ CLITORIS, drug effects/
ENDOMETRIUM, drug effects/ ESTRUS, drug
effects/ FEMALE/ GRAAFIAN FOLLICLE,
drug effects/ *LEYDIG CELL TUMOR,
physiopathology/ LIBIDO, drug effects/
MUCUS, secretion/ NEOPLASM
TRANSPLANTATION/ ORGAN WEIGHT/
OVARY, drug effects/ PITUITARY GLAND,
anatomy & histology/ RATS/ TISSUE
EXTRACTS, pharmacodynamics/ UTERUS,
drug effects/ VAGINA, secretion/ *VIRILISM,
etiology
3107. Powell JR, Brody MJ: Peripheral facilitation of reflex
vasoconstriction by prostaglandin F₂alpha.
J Pharmacol Exp Ther 187:495-500, Dec 73
ANIMAL EXPERIMENTS/ CAROTID
ARTERIES, physiology/ CHEMORECEPTORS,
drug effects/ DOGS/ DRUG SYNERGISM/
ELECTRIC STIMULATION/ *MUSCLE
CONTRACTION, drug effects/ NICOTINE,
pharmacodynamics/ NORPINEPHRINE,
pharmacodynamics/ PERFUSION/
*PROSTAGLANDINS, pharmacodynamics/
REFLEX, drug effects/ *VASOCONSTRICTOR
AGENTS, pharmacodynamics
3108. Powell JR, DuCharme DW: Effect of renal pressor
systems on vascular capacity during hemorrhage.
Am J Physiol 228:168-72, Jan 74
ANESTHESIA, SPINAL/ ANGIOTENSIN,
physiology/ *ANGIOTENSIN, secretion/
ANGIOTENSIN II, blood/ ANIMAL
EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD
PRESSURE, drug effects/ DOGS/ FEMALE/
*HEMORRHAGE, physiopathology/
HEXAMETHONIUM COMPOUNDS,
pharmacodynamics/ *KIDNEY, secretion/
MALE/ NEPHRECTOMY/ PROCAINE,
pharmacodynamics/ RADIOIMMUNOASSAY/
RENIN, pharmacodynamics/ TIME FACTORS
3109. Powles TJ, Clark SA, Easty DM, et al: The inhibition by
aspirin and indomethacin of osteolytic tumor deposits
and hypercalcaemia in rats with Walker tumour, and
its possible application to human breast cancer.
Br J Cancer 28:316-21, Oct 73
ANIMAL EXPERIMENTS/ *ASPIRIN,
pharmacodynamics/ BONE AND BONES,
metabolism/ BONE NEOPLASMS,
drug therapy/ *BONE RESORPTION, drug
effects/ *BREAST NEOPLASMS, drug therapy/
CALCIUM, metabolism/ CALCIUM
RADIOISOTOPES/ *CARCINOMA 256,
WALKER, drug therapy/ FEMALE/ HUMAN/
HYDROGEN-ION CONCENTRATION/
*HYPERCALCEMIA, prevention & control/
*INDOMETHACIN, pharmacodynamics/
LACTATES, pharmacodynamics/ MICE/ MICE,
INBRED BALB C/ *NEOPLASM METASTASIS,
drug therapy/ TIME FACTORS
3110. Pradal G, L'hermite A, Lefranc G, et al: Apport de la
microscopie électronique à l'interprétation des
réactions argentiques des cellules endocrines de
muqueuses digestives.
Ann Histochim 18:19-28, Jan-Mar 73 (Fre)
ANIMAL EXPERIMENTS/ *CHROMAFFIN
SYSTEM/ ENGLISH ABSTRACT/ *GASTRIC
MUCOSA, metabolism/
HISTOCYTOCHEMISTRY/ *INTESTINAL
MUCOSA, metabolism/ MICE/ RABBITS/
STAINS AND STAINING/ TOLONIUM
CHLORIDE
3111. Prager GN, Voigt W, Hsia SL: Stimulation of
taurodeoxycholate 7alpha-hydroxylase of rat liver by
adenosine 3':5'-monophosphate and saturated fatty
acids. J Biol Chem 248:8442-8, 25 Dec 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CARBON
MONOXIDE, pharmacodynamics/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, PAPER/
CRYSTALLIZATION/ CYTOCHROME P-450/
CYTOSOL/ DEOXYCHOLIC ACID/ ENZYME
ACTIVATION/ *FATTY ACIDS,
pharmacodynamics/ FATTY ACIDS,
UNSATURATED, pharmacodynamics/
HYDROXYLASES, antagonists & inhibitors/
*HYDROXYLASES, metabolism/
HYDROXYLASES, radiation effects/
KINETICS/ LIVER, cytology/ MALE/
*MICROSOMES, LIVER, enzymology/ NADP,
pharmacodynamics/ PHOSPHATES,
pharmacodynamics/ RADIATION EFFECTS/
RADIOISOTOPE DILUTION TECHNIC/ RATS/

AUTHOR SECTION

- SUBCELLULAR FRACTIONS, enzymology/
TAURINE
3112. Prakash S: Patterns of gene variation in central and marginal populations of *Drosophila robusta*. Genetics 75:347-69, Oct 73
ACID PHOSPHATASE, analysis/ ALCOHOL OXIDOREDUCTASES, analysis/ ALDOLASE, analysis/ AMINOPEPTIDASES, analysis/ AMYLASE, analysis/ ANIMAL EXPERIMENTS/ *DROSOPHILA MELANOGASTER, enzymology/ ELECTROPHORESIS/ ESTERASES, analysis/ FEMALE/ FUMARATE HYDRATASE, analysis/ GENE FREQUENCY/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ GLYCOLYSIS/ HEXOKINASE, analysis/ KREBS CYCLE/ LARVA/ MALATE DEHYDROGENASE, analysis/ MALE/ PEPTIDE HYDROLASES, analysis/ PHOSPHOTRANSFERASES, analysis/ *POLYMORPHISM (GENETICS)/ SEX CHROMOSOMES/ UNITED STATES/ XANTHINE OXIDASE, analysis
3113. Prasad KN, Mandal B, Kumar S: Human neuroblastoma cell culture: effect of 5-bromodeoxyuridine on morphological differentiation and levels of neural enzymes. Proc Soc Exp Biol Med 144:38-42, 1 Oct 73
ACETYLTRANSFERASES, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *BROMODEOXYURIDINE, pharmacodynamics/ CATECHOL METHYLTRANSFERASE, metabolism/ CELL DIFFERENTIATION, drug effects/ CHOLINE/ *CLONE CELLS, drug effects/ DEPRESSION, CHEMICAL/ HUMAN/ *NEUROBLASTOMA, enzymology/ NEUROBLASTOMA, metabolism/ STIMULATION, CHEMICAL/ THYMIDINE, pharmacodynamics/ TYROSINE HYDROXYLASE, metabolism
3114. Prasad MR, Sar M, Stumpf WE: Autoradiographic studies on (3H)estradiol localization in the blastocysts and uterus of rats during delayed implantation. J Reprod Fertil 36:75-81, Jan 74
AUTORADIOGRAPHY/ *BLASTOCYST, analysis/ CASTRATION/ CELL NUCLEUS, analysis/ *ESTRADIOL, analysis/ FEMALE/ *NIDATION/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS/ TRITIUM/ *UTERUS, analysis
3115. Prasad RS: Studies on host-flea relationship. II. Sex hormones of the host and fecundity of rat flea *Xenopsylla astia* (Rothschild) and *Xenopsylla cheopis* (Rothschild) (Siphonaptera). Indian J Med Res 61:38-44, Jan 73
ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ CASTRATION/ DEPRESSION, CHEMICAL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *FERTILITY, drug effects/ FLEAS, drug effects/ MALE/ OVUM/ RATS/ *TESTOSTERONE, pharmacodynamics
3116. Pretell EA: Thyroid function through pregnancy and in the fetus and newly born from a goiter endemic in Peru. Acta Endocrinol [Suppl] (Kbh) 28, 1973
BLOOD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DEFICIENCY DISEASES, metabolism/ FEMALE/ FETUS, metabolism/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ INFANT, NEWBORN/ *IODINE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *THYROTROPIN, blood/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ UMBILICAL CORD
3117. Pretlow TG 2d, Scallie MM, Weir EE: Separation of hamster testicular cells in successive stages of differentiation by velocity sedimentation in an isokinetic gradient of Ficoll in tissue culture medium. Am J Pathol 74:83-94, Jan 73
ANIMAL EXPERIMENTS/ CELL COUNT/ CELL DIFFERENTIATION/ *CELL SEPARATION/ *CENTRIFUGATION, DENSITY GRADIENT/ CULTURE MEDIA/ ERYTHROCYTES/ HAMSTERS/ MALE/ METHODS/ SPERMATOZOA/ *TESTIS, cytology/ TISSUE CULTURE
3118. Pribilla O: Probleme des Thalliumnachweises an Leichenmaterial. Z Rechtsmed 73:171-84, 23 Nov 73 (26 ref.) (Ger)
*AUTOPSY/ BONE AND BONES, pathology/ ENGLISH ABSTRACT/ FEMALE/ *FORENSIC MEDICINE/ HUMAN/ HUMIDITY/ MALE/ MUSCLES, pathology/ POISONING, pathology/ POSTMORTEM CHANGES/ REVIEW/ SOIL/ *THALLIUM, analysis/ TIME FACTORS
3119. Price HL, Schlieken RM: Right aortic arch with coarctation of the aorta. Chest 65:110-2, Jan 74
ADOLESCENCE/ *AORTA, abnormalities/ *AORTIC COARCTATION, complications/ AORTIC COARCTATION, radiography/ *AORTIC VALVE STENOSIS, congenital/ AORTOGRAPHY/ FEMALE/ HEART CATHETERIZATION/ HEART VENTRICLE, radiography/ HUMAN/ TURNER'S SYNDROME, complications
3120. Prives MG: Razvitiye i del V.N. Shevchenko v individual'noi anatomii kostnoi sistemy. Arkh Anat Gistol Embriol 65:28-33, Sep 73 (Rus)
*ANATOMY, history/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, cytology/ ENGLISH ABSTRACT/ ENVIRONMENT/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ INDUSTRIAL MEDICINE/ OCCUPATIONS/ SPORT MEDICINE
3121. Prohaska JR, Clark DA, Wells WW: Improved rapidity and precision in the determination of brain 2',3'-cyclic nucleotide 3'-phosphohydrolase. Anal Biochem 58:275-82, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ALKALINE PHOSPHATASE/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BRAIN, drug effects/ *BRAIN, enzymology/ CHICKENS/ COMPARATIVE STUDY/ DEOXYCHOLIC ACID, pharmacodynamics/ ESCHERICHIA COLI, enzymology/ FEMALE/ HYDROGEN-ION CONCENTRATION/ MALE/ METHODS/ MICE/ *PHOSPHODIESTERASES, analysis/ RATS/ SPECTROPHOTOMETRY/ TEMPERATURE
3122. Prokopcuk VS: Rol' sosudov i soedinitel'noi tkani shchitovidnoi zhelezy v morfogeneze uzlovogo zoba. Arkh Patol 35:30-5, 1973 (Rus)
AUTOPSY/ *CONNECTIVE TISSUE CELLS/ ENGLISH ABSTRACT/ *GOITER, NODULAR, pathology/ HUMAN/ *THYROID GLAND, blood supply
3123. Prout GR Jr: Proceedings: Diagnosis and staging of prostatic carcinoma. Cancer 32:1096-103, Nov 73 (56 ref.)
ACID PHOSPHATASE, blood/ BONE AND BONES, radiography/ BONE NEOPLASMS, diagnosis/ GEL DIFFUSION TESTS/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDRONEPHROSIS, etiology/ LYMPHATIC METASTASIS/ MALE/ PROSTATE, pathology/ *PROSTATIC NEOPLASMS/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, radiography/ RADIOISOTOPE SCANNING/ REVIEW/ URINATION DISORDERS, etiology
3124. Proux D, Dreyfus JC: Phosphorylase isoenzymes in tissues: prevalence of the liver type in man. Clin Chim Acta 48:167-72, 12 Oct 73
ADRENAL GLANDS, enzymology/ ANIMAL EXPERIMENTS/ BLOOD PLATELETS, enzymology/ BRAIN, enzymology/ CHICKENS, immunology/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EMBRYO, enzymology/ FIBROBLASTS, enzymology/ *GLYCOGEN PHOSPHORYLASE, analysis/ GLYCOGEN PHOSPHORYLASE, blood/ HUMAN/ INTESTINES, enzymology/ *ISOENZYMES, analysis/ ISOENZYMES, blood/ KIDNEY, enzymology/ LEUKOCYTES, enzymology/ *LIVER, enzymology/ LUNG, enzymology/ MUSCLES, enzymology/

AUTHOR SECTION

MYOCARDIUM, enzymology/ ORGAN
SPECIFICITY/ RABBITS/ SKIN, enzymology/
SPLEEN, enzymology

3125. Pryse-Davies J, Dewhurst CJ, Campbell S: Placenta membranacea.

J Obstet Gynaecol Br Commonw 80:1106-10, Dec 73
ADOLESCENCE/ FEMALE/ HUMAN/
PLACENTA, pathology/ PLACENTA
DISORDERS, complications/ *PLACENTA
DISORDERS, diagnosis/ PLACENTA
DISORDERS, pathology/ ULTRASONICS,
diagnostic use/ UTERINE HEMORRHAGE,
etiology

3126. Puchalski Z: Kortyzol i parametry wiązania kortyzolu z białkiem w przebiegu leczenia chirurgicznego wola nadzynnego. Pol Tyg Lek 28:1610-3, 8 Oct 73 (Pol)

*BLOOD PROTEINS, metabolism/ BLOOD
PROTEINS, secretion/ CIRCADIAN RHYTHM/
*GOITER, EXOPHTHALMIC, surgery/ HUMAN/
*HYDROCORTISONE, metabolism/ PROTEIN
BINDING

3127. Puget A, Berland HM: Etude du caryotype de l'ochotone Ochotona rutescens rutescens.

Acta Zool Pathol Antverp 55:55-66, Nov 72 (Fre)
ANIMAL EXPERIMENTS/ BLOOD CELLS,
cytology/ BLOOD SPECIMEN COLLECTION/
CELLS, CULTURED/ *CHROMOSOMES/
ENGLISH ABSTRACT/ FEMALE/
KARYOTYPING/ MALE/ MITOSIS/ *RABBITS/
SEX CHROMOSOMES

3128. Pulay T, Keller G, Krommer K, et al: Immunglobulinszint vizsgálók malignus nőgyógyászati daganatos betegekben.

Orv Hetil 114:3146-8, 30 Dec 73 (Hun)
ADULT/ CERVIX NEOPLASMS, immunology/
FEMALE/ *GYNECOLOGIC NEOPLASMS,
immunology/ HUMAN/ IGA, analysis/ IGG,
analysis/ IGM, analysis/ *IMMUNOGLOBULINS,
analysis/ MIDDLE AGE/ OVARIAN
NEOPLASMS, immunology/ UTERINE
NEOPLASMS, immunology

3129. Pulkkinen MO: Ehkäisyneumenetelmän valinta.

Duodecim 89:1607-11, Oct 73 (Fin)
ADOLESCENCE/ ADULT/ *CONTRACEPTION/
*CONTRACEPTIVE AGENTS, administration &
dosage/ CONTRACEPTIVE DEVICES/
CONTRACEPTIVES, ORAL, administration &
dosage/ DRUG COMBINATIONS/ FAMILY
PLANNING/ FEMALE/ HUMAN/
INTRAUTERINE DEVICES/ MALE/ RELIGION
AND SEX/ SEX EDUCATION/
STERILIZATION, SEXUAL

3130. Purnell DJ, Thompson JN Jr: Selection for asymmetrical bias in a behavioural character of *Drosophila melanogaster*.

Heredity (Lond) 31:401-5, Dec 73
ANALYSIS OF VARIANCE/ ANIMAL
EXPERIMENTS/ *BEHAVIOR, ANIMAL/
*DROSOPHILA MELANOGASTER/ FEMALE/
*LATERALITY/ MALE/ PHENOTYPE/
REGRESSION ANALYSIS/ SELECTION
(GENETICS)/ SEX CHROMOSOMES/ WING

3131. Purvis K, Illius A, Haynes NB: Proceedings: Plasma testosterone levels in the ram.

J Reprod Fertil 35:602-3, Dec 73
ANIMAL EXPERIMENTS/ *COITUS/ MALE/
RADIOIMMUNOASSAY/ *SEASONS/ SHEEP/
*TESTOSTERONE, blood

3132. Putz M, Pepersack W: Diagnostic différentiel des chutes prématurées de dents chez les enfants.

Brux Med 53:511-22, Sep 73 (Fre)
ACRODYNIA, complications/ ASCORBIC ACID
DEFICIENCY, complications/ CATALASE,
metabolism/ CHERUBISM, complications/
CHILD/ CHILD, PRESCHOOL/ DENTIN
DYSPLASIA, complications/ DENTINOGENESIS
IMPERFECTA, complications/ DIAGNOSIS,
DIFFERENTIAL/ ENDOCRINE DISEASES,
complications/ HUMAN/
HYPOPHOSPHATASIA, complications/
LEUKEMIA, complications/ METABOLISM,
INBORN ERRORS, complications/ MOUTH

NEOPLASMS, complications/ OSTEOMYELITIS,
complications/ *PERIODONTAL DISEASES,
complications/ PERIODONTAL DISEASES,
diagnosis/ PERIODONTAL DISEASES, etiology/
RETICULOENDOTHELIOSIS, complications/
SCLERODERMA, SYSTEMIC, complications/
SYPHILIS, CONGENITAL, complications/
*TOOTH EXFOLIATION/ TUBERCULOSIS,
ORAL, complications

3133. Pyörälä T: Ehkäisytablettien yleiset sivuvaikutukset.

Duodecim 89:1626-35, Oct 73 (34 ref.) (Fin)
CONTRACEPTIVES, ORAL, administration &
dosage/ *CONTRACEPTIVES, ORAL, adverse
effects/ DIABETES MELLITUS, chemically
induced/ DRUG COMBINATIONS/
ESTROGENS, administration & dosage/
*ESTROGENS, adverse effects/ FEMALE/
HUMAN/ HYPERLIPEMIA,
chemically induced/ HYPERTENSION,
chemically induced/ LIVER DISEASES,
chemically induced/ *PROGESTERONE/
PROGESTERONE, administration & dosage/
REVIEW/ THROMBOEMBOLISM, chemically
induced

Q

3134. Quattropani SL: Morphogenesis of the ovarian interstitial tissue in the neonatal mouse.

Anat Rec 177:569-83, Dec 73
ANIMAL EXPERIMENTS/ CILIA/
CYTOPLASMIC GRANULES/ ENDOPLASMIC
RETICULUM/ FEMALE/ FIBROBLASTS/
GOLGI APPARATUS/
HISTOCYTOCHEMISTRY/ LIPIDS, analysis/
*MICE, growth & development/ MICROSCOPY,
ELECTRON/ MITOCHONDRIA/ MITOSIS/
MORPHOGENESIS/ OVARY, analysis/ OVARY,
cytology/ *OVARY, growth & development/
TIME FACTORS

3135. Quock RM, Horita A: Apomorphine: modification of its hyperthermic effect in rabbits by p-chlorophenylalanine. Science 183:539-40, 8 Feb 74

ANIMAL EXPERIMENTS/ *APOMORPHINE,
antagonists & inhibitors/ *BODY
TEMPERATURE, drug effects/ BRAIN
CHEMISTRY, drug effects/ BRAIN STEM,
analysis/ MALE/ METHYLDOPAHYDRAZINE,
pharmacodynamics/ RABBITS/ SEROTONIN,
analysis/ SEROTONIN, pharmacodynamics

R

3136. Raab W: Experimental investigations on interactions between gentamicin and betamethasone dipropionate. Australas J Dermatol 14:83-90, Aug 73

*BETAMETHASONE, pharmacodynamics/
*BLOOD VESSELS, drug effects/ DRUG
INTERACTIONS/ *GENTAMICIN,
pharmacodynamics/ HUMAN/ OXYGEN
CONSUMPTION, drug effects/
*PSEUDOMONAS AERUGINOSA, drug effects/
PSEUDOMONAS AERUGINOSA, metabolism/
*SKIN, blood supply/ *STAPHYLOCOCCUS,
drug effects/ STAPHYLOCOCCUS, metabolism

3137. Rabinowitz D, Landau H, Rosler A, et al: Plasma renin activity and aldosterone in familial dysautonomia.

Metabolism 23:1-5, Jan 74
ADOLESCENCE/ ADULT/ *ALDOSTERONE,
blood/ AUTONOMIC DYSFUNCTION, blood/
*AUTONOMIC DYSFUNCTION, familial &
genetic/ AUTONOMIC DYSFUNCTION,
physiopathology/ CHILD/ DIET, SALT-FREE/
HUMAN/ POSTURE/ *RENIN, blood/ SODIUM,
blood

3138. Raboch J, Neuwirth J, Stárka L: Einseltiger Kryptorchismus: spermologische endokrinologische und zytogenetische Studie an 216 erwachsenen Patienten.

Andrologie 5:153-8, 1973 (Ger)
ADULT/ AGE FACTORS/ CELL COUNT/
CELL MOVEMENT/ CHROMOSOME
ABERRATIONS/ CRYPTORCHISM, blood/
CRYPTORCHISM, complications/
*CRYPTORCHISM, diagnosis/ CRYPTORCHISM,
familial & genetic/ ENGLISH ABSTRACT/

AUTHOR SECTION

- FERTILITY/ HUMAN/ KARYOTYPING/
MALE/ MIDDLE AGE/ *SPERMATOZOA,
pathology/ SPERMATOZOA, physiology/
*STERILITY, MALE, diagnosis/ STERILITY,
MALE, etiology/ *TESTOSTERONE, blood
3139. Racey PA, Ansari MA, Rowe PH, et al: Proceedings:
Testosterone in impotent men.
J Endocrinol 59:23, Nov 73
CIRCADIAN RHYTHM/ HUMAN/
*IMPOTENCE, blood/ MALE/
RADIOIMMUNOASSAY/ *TESTOSTERONE,
blood
3140. Radcliffe JC, Bailey LF, Horne ML: Periodic omission
of dairy cow milkings. I. Effect on milk yield and
composition and on udder health.
J Dairy Res 40:247-54, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/
COMPARATIVE STUDY/ *DAIRYING/ DIET/
EVALUATION STUDIES/ FEMALE/
*LACTATION/ LEUKOCYTE COUNT/ LIPIDS,
metabolism/ MASTITIS, BOVINE, etiology/
MILK, metabolism/ *MILK, physiology/ MILK
PROTEINS, metabolism/ NEUTROPHILS/
PREGNANCY/ TIME FACTORS/ *UDDER,
physiology
3141. Radius R, Langham ME: Cyclic-AMP and the ocular
responses to norepinephrine.
Exp Eye Res 17:219-29, 11 Nov 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, analysis/ ADENYL
CYCLASE, physiology/ ADMINISTRATION,
TOPICAL/ ANIMAL EXPERIMENTS/
*AQUEOUS HUMOR, analysis/ BIOMETRY/
ENZYME INDUCTION/ *EYE, drug effects/
INJECTIONS, INTRAVENOUS/ INTRAOCULAR
PRESSURE, drug effects/ NOREPINEPHRINE,
administration & dosage/ *NOREPINEPHRINE,
pharmacodynamics/ PHENOXYBENZAMINE,
administration & dosage/
PHENOXYBENZAMINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/ PUPIL,
anatomy & histology/ PUPIL, drug effects/
RABBITS/ RADIOIMMUNOASSAY
3142. Radley JM, Hodgson GS: Inhibitory effect of
Isoprenaline on entry of cells into S phase in the rat
submaxillary gland.
Aust J Exp Biol Med Sci 51:399-404, Jun 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ DEPRESSION,
CHEMICAL/ *DNA, synthesis/ FEMALE/
HYDROCORTISONE, pharmacodynamics/
*ISOPROTERENOL, pharmacodynamics/
*MITOSIS, drug effects/ RATS/
*SUBMANDIBULAR GLAND, cytology/
SUBMANDIBULAR GLAND, metabolism/
THYMIDINE, metabolism/ TIME FACTORS/
TRITIUM
3143. Radó JP: Combination of carbamazepine and
chlorpropamide in the treatment of "hyporesponder"
pituitary diabetes insipidus.
J Clin Endocrinol Metab 38:1-7, Jan 74
ADOLESCENCE/ ADULT/ *CARBAMAZEPINE,
administration & dosage/ CARBAMAZEPINE,
therapeutic use/ *CHLORPROPAMIDE,
administration & dosage/ CHLORPROPAMIDE,
therapeutic use/ COMPARATIVE STUDY/
*DIABETES INSIPIDUS, drug therapy/
DOSE-RESPONSE RELATIONSHIP, DRUG/
DRINKING/ DRUG THERAPY,
COMBINATION/ FEMALE/ HUMAN/ MALE
3144. Radó JP, Juhas E, Szende L, et al: Acute renal effects of
high doses of furosemide administered intravenously
in patients with advanced chronic renal insufficiency.
J Med (Basel) 4:219-32, 1973
ACIDOSIS, RENAL TUBULAR, drug therapy/
BLOOD/ CREATININE, urine/
DEHYDRATION/ DIABETES INSIPIDUS, drug
therapy/ ELECTROLYTES, blood/
ELECTROLYTES, urine/ *FUROSEMIDE,
administration & dosage/ FUROSEMIDE,
therapeutic use/ GLOMERULAR FILTRATION
RATE/ GLOMERULONEPHRITIS,
drug therapy/ HEMODYNAMICS, drug effects/
HUMAN/ INJECTIONS, INTRAVENOUS/
IODOHIPPURIC ACID, diagnostic use/
KIDNEY, blood supply/ *KIDNEY, drug
effects/ *KIDNEY FAILURE, CHRONIC, drug
therapy/ NATRIURESIS, drug effects/
NEPHRITIS, INTERSTITIAL, drug therapy/
OSMOLAR CONCENTRATION/ SODIUM
CHLORIDE, pharmacodynamics/ URINE/
WATER, urine
3145. Radó JP, Szabó T, Szende L, et al: Excessive decrease in
free water clearance induced by furosemide and
ethacrynic acid in nephrogenic diabetes insipidus
associated with renal tubular acidosis.
Endocrinologia 61:413-29, Jun 73
ACIDOSIS, RENAL TUBULAR, complications/
*ACIDOSIS, RENAL TUBULAR,
physiopathology/ ADULT/ CHLORPROPAMIDE,
therapeutic use/ DIABETES INSIPIDUS, drug
therapy/ *DIABETES INSIPIDUS,
physiopathology/ *ETHACRYNIC ACID,
pharmacodynamics/ FEMALE/ *FUROSEMIDE,
pharmacodynamics/ GLOMERULAR
FILTRATION RATE/ HUMAN/ LOOP OF
HENLE/ WATER
3146. Radonov D: Kum metodikata na evakulirane
sudurzhimoto na matkata pri mola hydratidosa.
Akush Ginekol (Sofia) 12:135-8, 1973 (Bul)
ADULT/ *CURETTAGE/ FEMALE/ HUMAN/
*HYDATIDIFORM MOLE, surgery/
PREGNANCY/ *PREGNANCY
COMPLICATIONS, surgery
3147. Radio GT, Wangenstein SL, Glenn TM, et al: Mechanism
of the protective effects of prostaglandins E1 and F2
alpha in canine endotoxin shock.
Eur J Pharmacol 24:86-95, Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CARDIAC OUTPUT, drug
effects/ CATHEPSIN, blood/ CENTRAL
VENOUS PRESSURE, drug effects/ DOGS/
ESCHERICHIA COLI/ GLUCURONIDASE,
blood/ HEART RATE, drug effects/ LIVER,
cytology/ LYSOSOMES, drug effects/
LYSOSOMES, enzymology/ MYOCARDIAL
DEPRESSANTS, blood/ PANCREAS, cytology/
PEPTIDE HYDROLASES, metabolism/
PEPTIDES, blood/ PROSTAGLANDINS,
pharmacodynamics/ *PROSTAGLANDINS,
therapeutic use/ *SHOCK, ENDOTOXIC, drug
therapy/ TIME FACTORS
3148. Raghavan V, Rao SS, Chaubai U, et al: Human chorionic
gonadotropin levels during pregnancy in Indian
women. Indian J Med Res 61:298-303, Feb 73
*ETHNIC GROUPS/ FEMALE/
*GONADOTROPINS, CHORIONIC, urine/
HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ INDIA/ *PREGNANCY/ TIME
FACTORS
3149. Rahl KS, Narbaltz R: Ultrastructural studies on the
relationship between follicular cells and growing
oocytes in the turtle *Pseudemys scripta elegans*.
J Anat 115:175-86, Jul 73
ANIMAL EXPERIMENTS/ BASEMENT
MEMBRANE/ BIOMETRY/ CYTOPLASMIC
GRANULES/ ENDOPLASMIC RETICULUM/
FEMALE/ GLYCOGEN, analysis/ GOLGI
APPARATUS/ *GRAAFIAN FOLLICLE,
cytology/ HISTOCYTOCHEMISTRY/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
*OVUM, cytology/ PINOCYTOSIS/ *TURTLES,
anatomy & histology
3150. Rahwan RG, Borowitz JL: Mechanisms of
stimulus-secretion coupling in adrenal medulla.
J Pharm Sci 62:1911-23, Dec 73
ACETYLCHOLINE, physiology/ ADENOSINE
TRIPHOSPHATASE, physiology/ ADENOSINE
TRIPHOSPHATE, physiology/ ADRENAL
MEDULLA, cytology/ ADRENAL MEDULLA,
drug effects/ *ADRENAL MEDULLA,
secretion/ ANIMAL EXPERIMENTS/
CALCIUM, physiology/ CATECHOLAMINES,
secretion/ CELL MEMBRANE, drug effects/
CHROMAFFIN SYSTEM, physiology/
EXOCYTOSIS/ IN VITRO/ MAGNESIUM,
physiology/ MICROSCOPY, ELECTRON/
MICROTUBULES, physiology/ MUSCLE

AUTHOR SECTION

CONTRACTION/ MUSCLES, physiology/
NEURONS, physiology/ PROTEINS, physiology

3151. Raichev R, Iordanov G, Bobchev T: Papilarni ovarialni tumori i nashilat opit s tlakhoto lechenie. Akush Ginekol (Sofia) 12:124-7, 1973 (Bul)
ADULT/ AGED/ CASTRATION/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
HYSTERECTOMY/ MIDDLE AGE/ *OVARIAN
NEOPLASMS, surgery/ *PAPILLOMA, surgery

3152. Raj K, Härkönen M, Castrén O, et al: Urinary cyclic AMP excretion in toxemia of pregnancy. Scand J Clin Lab Invest 32:193-7, Nov 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, urine/ CYCLOHEXANE, therapeutic use/ DIAZEPAM, therapeutic use/
*ESTRIOL, urine/ FEMALE/ FUROSEMIDE, therapeutic use/ HETEROCYCLIC COMPOUNDS, therapeutic use/ HUMAN/ HYDRAZINES, therapeutic use/ HYDROCHLOROTHIAZIDE, therapeutic use/ ISOXSUPRINE, therapeutic use/ MANDELIC ACID, therapeutic use/ METHYLDOPA, therapeutic use/ PREGNANCY/ PREGNANCY TOXEMIAS, drug therapy/ *PREGNANCY TOXEMIAS, urine/ PROTOVERATRINE A, therapeutic use/ PYRIDAZINES, therapeutic use/ RADIOIMMUNOASSAY/ RESERPINE, therapeutic use

3153. Raina V: Rickets and osteomalacia-a morphological study. Indian J Med Res 61:190-4, Feb 73
BIOPSY/ *BONE AND BONES, pathology/ FEMUR, pathology/ FIBULA, pathology/ HUMAN/ ILIUM, pathology/ ILIUM, radiography/ MICRORADIOGRAPHY/ *OSTEOMALACIA, pathology/ OSTEOMALACIA, radiography/ *RICKETS, pathology/ RICKETS, radiography

3154. Rainer O, Klappacher G: Kropfrezidivprophylaxe in einer endemischen Kropfgegend. Acta Endocrinol [Suppl] (Kbh) 99-100, 1973 (Ger)
FOLLOW-UP STUDIES/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE, metabolism/ IODINE RADIOISOTOPES/ POSTOPERATIVE CARE/ RECURRENCE/ THYROID GLAND, metabolism/ *THYROID HORMONES, therapeutic use/ *THYROXINE, therapeutic use/ TIME FACTORS/ *TRIIODOTHYRONINE, therapeutic use

3155. Raj HG, Greep RO: Inhibition of ovulation and luteinizing hormone secretion in the cyclic rat by ergotamine tartrate. Proc Soc Exp Biol Med 144:960-2, Dec 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ERGOTAMINE, administration & dosage/ *ERGOTAMINE, pharmacodynamics/ ESTRUS, drug effects/ FEMALE/ INJECTIONS, INTRAPERITONEAL/ LH, blood/ LH, pharmacodynamics/ *LH, secretion/ *OVULATION, drug effects/ RATS/ TARTRATES

3156. Ramaley JA: Adrenal function in female rats before puberty: the effects of gonadectomy. Steroids 22:597-608, Nov 73
*ADRENAL GLANDS, physiology/ *AGING/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BODY WEIGHT/ CASTRATION/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ ETHYL ETHERS/ FEMALE/ *OVARY, physiology/ OVULATION/ PUBERTY/ RATS/ SPECTROMETRY, FLUORESCENCE/ STRESS, blood/ STRESS, chemically induced/ TIME FACTORS

3157. Ramberg CF Jr, Delivoria-Papadopoulos M, Crandall ED, et al: Kinetic analysis of calcium transport across the placenta. J Appl Physiol 35:682-8, Nov 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ CALCIUM, blood/ *CALCIUM, metabolism/ CALCIUM RADIOISOTOPES/ FEMALE/ KINETICS/ *MATERNAL-FETAL EXCHANGE/ MODELS, BIOLOGICAL/ MONKEYS/ *PLACENTA, metabolism/ PREGNANCY/ SHEEP/ SPECIES SPECIFICITY

3158. Rampon S, Bussière JL, Prin P, et al: Polyarthrite rhumatoïde et hyperthyroïdie. A propos de l'association polyarthrite rhumatoïde et adénome toxique. Rev Rhum Mal Osteoartic 40:503-13, Jul-Sep 73 (Fre)

*ARTHRITIS, RHEUMATOID, complications/
ARTHRITIS, RHEUMATOID, drug therapy/
ENGLISH ABSTRACT/ FEMALE/
GLUCOCORTICOID, therapeutic use/
*GOITER, NODULAR, complications/ GOITER, NODULAR, etiology/ HUMAN/
*HYPERTHYROIDISM, complications/
HYPERTHYROIDISM, etiology/ MIDDLE AGE/
RADIOISOTOPE SCANNING

3159. Ramsay LE, MacLeod MA: Incidence of idiopathic venous thromboembolism in nurses. Br Med J 4:446-8, 24 Nov 73

ADOLESCENCE/ ADULT/ AGE FACTORS/
BODY WEIGHT/ CONTRACEPTIVES, ORAL/
FEMALE/ HUMAN/ MIDDLE AGE/ *NURSES/
*OCCUPATIONAL DISEASES/ PARITY/
PULMONARY EMBOLISM, occurrence/
SMOKING/ THROMBOEMBOLISM, etiology/
*THROMBOEMBOLISM, occurrence/
THROMBOPHLEBITIS, occurrence

3160. Ramzin SK, Klichich MM, Djordjevic SM, et al: Results of longterm iodine prophylaxis of endemic goiter in Yugoslavia. Acta Endocrinol [Suppl] (Kbh) 105-7, 1973
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ CRETINISM, occurrence/ DEAF-MUTISM, occurrence/ DEFICIENCY DISEASES, prevention & control/ FEMALE/ FOOD ADDITIVES/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ INFANT/ *IODINE/ IODINE RADIOISOTOPES/ MALE/ ORGAN WEIGHT/ POTASSIUM IODIDE, therapeutic use/ SODIUM CHLORIDE/ THYROID GLAND, anatomy & histology/ YUGOSLAVIA

3161. Randle PJ, Denton RM: Rate control by insulin and its mechanism. Symp Soc Exp Biol 27:401-28, 1973 (160 ref.)

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ CALCIUM/ CELL MEMBRANE, metabolism/ ENZYME ACTIVATION/ IN VITRO/ *INSULIN, pharmacodynamics/ MAGNESIUM/ MODELS, CHEMICAL/ *MULTIENZYME COMPLEXES, metabolism/ PHOSPHATASES, metabolism/ PHOSPHORUS RADIOISOTOPES/ PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ PYRUVATE KINASE, metabolism/ RATS/ RECEPTORS, HORMONE/ REVIEW/ SWINE

3162. Rangarajan M, Ardrey RE, Darbre A: Gas-liquid chromatography and mass spectrometry of amino acid thiohydantoins and their use in protein sequencing. J Chromatogr 87:499-512, 19 Dec 73

*AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CHROMATOGRAPHY, GAS/
*HYDANTOINS, analysis/ METHODS/
*PROTEINS, analysis/ SPECTRUM ANALYSIS, MASS/ TEMPERATURE/ THIOHYDANTOINS, analysis

3163. Ranke E, Trelloff M, Wulsch E: Intrathyreoidale Ausbreitung maligner Schilddrüsentumoren. Munch Med Wochenschr 115:2016-20, 9 Nov 73 (Ger)

ADOLESCENCE/ ADULT/ AGED/ BERLIN/
CHILD/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ MALE/ METHODS/ MIDDLE AGE/
NEOPLASM METASTASIS/ SEX FACTORS/
THYROID NEOPLASMS, occurrence/
*THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery

3164. Rankin JH: Maternal alkalosis and fetal oxygenation. Adv Exp Med Biol 37:1067-73, 1973

ALKALOSIS, blood/ *ALKALOSIS, complications/ ALKALOSIS, metabolism/ BIOLOGICAL TRANSPORT/ DIFFUSION/ FEMALE/ *FETUS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MODELS, BIOLOGICAL/
*OXYGEN, blood/ PARTIAL PRESSURE/
PLACENTA, metabolism/ PREGNANCY/

AUTHOR SECTION

- *PREGNANCY COMPLICATIONS,
HEMATOLOGIC/ SOLUBILITY
3165. Ranlov P, Siggaard-Andersen J, Petersen FB: Corticosteroids and arteriosclerosis. The effect of adrenocortical steroids on the capillary filtration rate. Scand J Rheumatol 2:157-60, 1973
ADULT/ ARTERIOSCLEROSIS, etiology/
CAPILLARIES, drug effects/ *CAPILLARY
PERMEABILITY, drug effects/ HUMAN/
HYDROCORTISONE, administration & dosage/
*HYDROCORTISONE, pharmacodynamics/
INJECTIONS, INTRAVENOUS/ LEG, blood
supply/ PLETHYSMOGRAPHY, IMPEDANCE/
TIME FACTORS/ VENOUS PRESSURE
3166. Rao CV, Carman F Jr: Stimulation of ovarian cyclic guanosine 3',5'-monophosphate levels by the subunits of human chorionic gonadotropin. Biochem Biophys Res Commun 54:744-50, 18 Sep 73
ANIMAL EXPERIMENTS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FEMALE/
*GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
EQUINE, pharmacodynamics/ *GUANOSINE
CYCLIC 3',5' MONOPHOSPHATE, metabolism/
HUMAN/ IODINE RADIOISOTOPES/ OVARY,
drug effects/ *OVARY, metabolism/
PREGNANCY/ PROGESTERONE, blood/
PROGESTERONE, metabolism/
RADIOIMMUNOASSAY/ RATS/ TIME
FACTORS
3167. Rao LG: Letter: Fetoplacental function tests. Lancet 1:92, 19 Jan 74
CREATININE, urine/ ESTROGENS, urine/
FEMALE/ *FETAL DISEASES, diagnosis/
FETUS, physiology/ GESTATIONAL AGE/
HUMAN/ MATERNAL-FETAL EXCHANGE/
PLACENTA, physiology/ PREGNANCY/
PRENATAL DIAGNOSIS
3168. Rasln IM, Sarapul'tsev AI, Pantelev LI: Formirovanie moshchnosti dozy ot strontsila-90 v rastushchem organizme. Radiobiologiya 13:469-71, May-Jun 73 (Rus)
AGE FACTORS/ ANIMAL EXPERIMENTS/
*BONE AND BONES, metabolism/ *CALCIUM,
metabolism/ CATTLE/ ENGLISH ABSTRACT/
GOATS/ HUMAN/ MATHEMATICS/
RADIATION DOSAGE/ SHEEP/ *STRONTIUM
RADIOISOTOPES/ SWINE
3169. Rasmussen H: Hormonal control of bone cell function. Triangle 12:103-9, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ CALCITONIN, metabolism/
CALCIUM, metabolism/ HUMAN/
HYDROCORTISONE, metabolism/ MODELS,
BIOLOGICAL/ *OSTEOCLASTS, physiology/
*PARATHYROID HORMONE, physiology/
PHOSPHATES, metabolism/ VITAMIN D,
metabolism
3170. Rastogi GK, Dash RJ, Kannan V, et al: Plasma thyrotrophin and its response to thyrotrophin releasing hormone in endemic goitre. Clin Endocrinol (Oxf) 2:153-6, Apr 73
*GOITER, ENDEMIC, blood/ HUMAN/ INDIA/
*THYROTROPIN, blood/ *THYROTROPIN
RELEASING HORMONE, diagnostic use
3171. Ratcliffe JG, Scott AP, Bennett HP, et al: Production of a corticotropin-like intermediate lobe peptide and of corticotropin by a bronchial carcinoid tumour. Clin Endocrinol (Oxf) 2:51-5, Jan 73
ADULT/ *BRONCHIAL NEOPLASMS,
physiopathology/ *CARCINOID TUMOR,
physiopathology/ CASE REPORT/
CHEMISTRY/ *CORTICOTROPIN, biosynthesis/
FEMALE/ HUMAN/ *NEOPLASTIC
ENDOCRINE-LIKE SYNDROMES/ *PEPTIDES,
biosynthesis
3172. Ratliff CR, Hall FF: Fluorometric measurement of urinary free hydrocortisone (cortisol). Clin Chem 19:1400-2, Dec 73
EVALUATION STUDIES/ FEMALE/ HUMAN/
*HYDROCORTISONE, urine/ MALE/
- MATHEMATICS/ METHODS/ SPECTROMETRY,
FLUORESCENCE
3173. Ratner NA, Abugova SP, Kozdoba OA, et al: Opyt lecheniya nefroticheskogo sindroma, obuslovlennogo glomerulonefritom. Ter Arkh 45:82-90, May 73 (Rus)
ADRENAL CORTEX HORMONES, therapeutic
use/ ENGLISH ABSTRACT/
*GLOMERULONEPHRITIS, complications/
HUMAN/ IMMUNOSUPPRESSIVE AGENTS,
therapeutic use/ MALE/ *NEPHROTIC
SYNDROME, drug therapy/ NEPHROTIC
SYNDROME, etiology
3174. Ratzkowski E, Adler B, Hochman A: Survival time and treatment results of patients with disseminated breast cancer especially after adrenalectomy and bypopsectomy. Oncology 28:385-97, 1973
*ADRENALECTOMY/ BREAST NEOPLASMS,
mortality/ BREAST NEOPLASMS,
radiotherapy/ *BREAST NEOPLASMS, therapy/
CASTRATION/ FEMALE/ FOLLOW-UP
STUDIES/ HUMAN/ *HYPOPHYSECTOMY/
LIVER NEOPLASMS/ MENSTRUATION/
MIDDLE AGE/ NEOPLASM METASTASIS/
NEOPLASM RECURRENCE, LOCAL/
PROGNOSIS/ RADIOISOTOPES/ REMISSION/
YTTRIUM ISOTOPES
3175. Ravenscroft K Jr: Normal family regression at adolescence. Am J Psychiatry 131:31-5, Jan 74
*ADOLESCENCE/ ADOLESCENT
PSYCHIATRY/ AGE FACTORS/ BIRTH
ORDER/ CONFLICT (PSYCHOLOGY)/
*FAMILY/ FAMILY THERAPY/ FEMALE/
HUMAN/ *INTERPERSONAL RELATIONS/
MALE/ MARRIAGE/ PARENT-CHILD
RELATIONS/ PUBERTY/ *REGRESSION/
ROLE/ SEX FACTORS
3176. Rawlings NC, Ward WR: Proceedings: The effect of the administration of progesterone on the initiation of parturition in the goat. J Reprod Fertil 35:606-7, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/
CORPUS LUTEUM, physiology/ ESTROGENS,
blood/ FEMALE/ FETAL DEATH, blood/
*GOATS/ *LABOR, drug effects/
PREGNANCY/ *PROGESTERONE,
pharmacodynamics
3177. Rawlins MD, Luff RH, Cranston WI: Regional brain salicylate concentrations in afebrile and febrile rabbits. Biochem Pharmacol 22:2639-42, 15 Oct 73
ANIMAL EXPERIMENTS/ BRAIN, blood
supply/ BRAIN, metabolism/ *BRAIN
CHEMISTRY/ CARBON RADIOISOTOPES/
CEREBRAL CORTEX, analysis/ FEVER,
chemically induced/ *FEVER, metabolism/
HYPOTHALAMUS, analysis/
MESENCEPHALON, analysis/ PYROGENS/
RABBITS/ *SALICYLATES, analysis/
SALICYLATES, metabolism
3178. Ray GR, Hahn GM, Bagshaw MA, et al: Cell survival and repair of plateau-phase cultures after chemotherapy--relevance to tumor therapy and to the in vitro screening of new agents. Cancer Chemother Rep 57:473-5, Nov-Dec 73
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC
AGENTS, pharmacodynamics/ BLEOMYCIN,
pharmacodynamics/ CELL DIVISION/ CELL
SURVIVAL, drug effects/ CELLS,
CULTURED/ *DRUG SCREENING/ FEMALE/
FLUOROURACIL, pharmacodynamics/
HAMSTERS/ MECHLORETHAMINE,
pharmacodynamics/ OVARY/ TIME FACTORS
3179. Re M, Cavaniglia G, Fabbrini A, et al: Critical evaluation of methods for the histochemical demonstration of phosphorylase in the normal human testis. Folia Endocrinol (Roma) 26:308-20, Aug 73
ADULT/ HISTOCYTOCHEMISTRY/ HUMAN/
MALE/ METHODS/ *TESTIS, enzymology/
*TRANSFERASES, analysis
3180. Readhead C, Addison GM, Hales CN, et al: Immunoradiometric and two-site assay of human follicle-stimulating hormone.

AUTHOR SECTION

J Endocrinol 59:313-23, Nov 73
ANTIGEN-ANTIBODY REACTIONS/ BINDING
SITES, ANTIBODY/ *FSH, analysis/ FSH,
blood/ HUMAN/ IODINE RADIOISOTOPES/
LH/ METHODS/ POLYETHYLENES/ RABBITS,
Immunology/ *RADIOIMMUNOASSAY/
TEMPERATURE/ THYROTROPIN/ TIME
FACTORS

3181. Rebhun J: Lymphocytes in some hypereosinophilic
states. Ann Allergy 31:590-5, Dec 73
ADOLESCENCE/ ADULT/ AGED/ BLOOD
CELL COUNT/ CHILD/ CHILD, PRESCHOOL/
*CORTICOTROPIN, pharmacodynamics/
DEPRESSION, CHEMICAL/ *EOSINOPHILIA,
blood/ *EOSINOPHILS, drug effects/
FEMALE/ HUMAN/ LEUKOCYTE COUNT/
LYMPH NODES, radiography/
*LYMPHOCYTES, drug effects/
LYMPHOCYTES, immunology/ LYMPHOID
TISSUE, pathology/ MALE/ MIDDLE AGE/
MONILIASIS, blood/ SKIN TESTS/ TONSIL,
radiography/ *TRIAMCINOLONE,
pharmacodynamics

3182. Reddy JK: Possible properties of microbodies
(peroxisomes). Microbody proliferation and
hypolipidemic drugs.
J Histochem Cytochem 21:967-71, Nov 73 (43 ref.)
CHOLESTEROL, biosynthesis/ *CLOFIBRATE,
pharmacodynamics/ HYDROGEN PEROXIDE,
metabolism/ MICROBODIES/ MICROBODIES,
drug effects/ MICROBODIES, metabolism/
NAFENOPIN, pharmacodynamics/
*ORGANOIDS/ *PROPIONATES,
pharmacodynamics/ REVIEW/ STEROIDS,
biosynthesis

3183. Reddy VV, Naftolin F, Ryan KJ: Conversion of
androstenedione to estrone by neural tissues from
fetal and neonatal rats.
Endocrinology 91:117-21, Jan 74
*ANDROSTENEDIONE, metabolism/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/ CELL
DIFFERENTIATION/ *ESTRONE, metabolism/
FEMALE/ FETUS/ HYPOTHALAMUS,
cytology/ *HYPOTHALAMUS, metabolism/
LIMBIC SYSTEM, cytology/ *LIMBIC SYSTEM,
metabolism/ MALE/ RATS/ SEX FACTORS/
TRITIUM

3184. Reddy YS, Ballard D, Giri NY, et al: Phosphorylation of
cardiac native tropomyosin and troponin: inhibitory
effect of actomyosin and possible presence of
endogenous myofibrillar-located
cyclic-AMP-dependent protein kinase.
J Mol Cell Cardiol 5:461-71, Oct 73
ACTOMYOSIN, isolation & purification/
*ACTOMYOSIN, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
ADENOSINE TRIPHOSPHATASE, antagonists
& inhibitors/ ANIMAL EXPERIMENTS/
CALCIUM, metabolism/ CALCIUM,
pharmacodynamics/ DOGS/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ ENZYME ACTIVATION/ KINETICS/
MACROMOLECULAR SYSTEMS/ MUSCLE
PROTEINS/ MUSCLE PROTEINS, metabolism/
*MYOCARDIUM, enzymology/ MYOFIBRILS,
enzymology/ OXIDATIVE
PHOSPHORYLATION, drug effects/
PHOSPHORUS RADIOISOTOPES/ PROTEIN
BINDING, drug effects/ *PROTEIN KINASE/
PROTEIN KINASE, antagonists & inhibitors/
SODIUM DODECYL SULFATE/
TROPOMYOSIN/ TROPOMYOSIN, isolation &
purification/ TROPOMYOSIN,
pharmacodynamics

3185. Redelbach J, Drews M: Wole Rledia.
Pol Przegl Cbl 45:1421-6, Dec 73 (Pol)
ADULT/ ASPHYXIA, etiology/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
MIDDLE AGE/ THYROID GLAND, pathology/
THYROIDITIS, pathology/ THYROIDITIS,
surgery/ *THYROIDITIS, surgery

3186. Redgate ES, Fahringer EE: A comparison of the
pituitary adrenal activity elicited by electrical
stimulation of preoptic, amygdaloid and hypothalamic

sites in the rat brain.
Neuroendocrinology 12:334-43, 1973
*ADRENAL GLANDS, secretion/
*AMYGDALOID BODY, physiology/ ANIMAL
EXPERIMENTS/ *CORTICOSTERONE,
secretion/ ELECTRIC STIMULATION/
ELECTRODES, IMPLANTED/ HINDLIMB/
*HYPOTHALAMUS, physiology/ KETAMINE,
pharmacodynamics/ MALE/
*PITUITARY-ADRENAL SYSTEM/ RATS

3187. Red'kin IP: Lechenie korov pri zaderzhanii posleda.
Veterinarlia 3:85-6, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ CATTLE/ *CATTLE
DISEASES, therapy/ FEMALE/ PLACENTA
DISORDERS, therapy/ *PLACENTA
DISORDERS, veterinary/ PREGNANCY/
PUERPERAL DISORDERS, therapy/
*PUERPERAL DISORDERS, veterinary

3188. Reece RL: Using a computer to interpret multiphasic
screening results. Geriatrics 29:51-9, Jan 74
ADULT/ AGE FACTORS/ AGED/ BLOOD
CHEMICAL ANALYSIS/ *DIAGNOSIS,
COMPUTER ASSISTED/ FEMALE/ HUMAN/
HYPERLIPIDEMIA, diagnosis/ KIDNEY
DISEASES, diagnosis/ MALE/ MIDDLE AGE/
*MULTIPHASIC SCREENING/ POSTURE/ SEX
FACTORS/ THYROID DISEASES, diagnosis/
THYROID GLAND FUNCTION TESTS/
UREMIA, diagnosis/ VASCULAR DISEASES,
diagnosis

3189. Reed CE: Abnormal autonomic mechanisms in asthma.
J Allergy Clin Immunol 53:34-41, Jan 74 (56 ref.)
ADENYL CYCLASE, metabolism/
ADRENERGIC BETA RECEPTOR
BLOCKADERS, pharmacodynamics/ ANIMAL
EXPERIMENTS/ ASTHMA, immunology/
*ASTHMA, pathophysiology/ DNA,
biosynthesis/ EPINEPHRINE,
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MONOPHOSPHATE, pharmacodynamics/
HISTAMINE, pharmacodynamics/ HISTAMINE
LIBERATION, drug effects/ HUMAN/
NEURAL TRANSMISSION, drug effects/
PARASYMPATHOMIMETICS,
pharmacodynamics/ PLATELET
ADHESIVENESS/ REVIEW

3190. Reetz I, Wegner W: Angeborene
Mehrfach-Mißbildung des Skeletts in einem Wurf
Deutscher Schäferhunde-ein Zuchtexperiment.
Dtsh Tierärztl Wochenschr 80:524-8, 15 Nov 73 (Ger)
*ABNORMALITIES, MULTIPLE, veterinary/
ANIMAL EXPERIMENTS/ *BONE AND
BONES, abnormalities/ *BREEDING/ *DOG
DISEASES, congenital/ DOGS/ ENGLISH
ABSTRACT/ FEMALE/ MALE

3191. Reeves JJ, Harrison PC, Casey JM: Ovarian
development and ovulation in buns treated with
synthetic (porcine) luteinizing hormone releasing
hormone-follicle stimulating hormone releasing
hormone (LH-RH-FSH-RH).
Poult Sci 52:1883-6, Sep 73
ANIMAL EXPERIMENTS/ *CHICKENS,
physiology/ CIRCADIAN RHYTHM/ FEMALE/
GRAAFIAN FOLLICLE, drug effects/
INJECTIONS, INTRAMUSCULAR/
INJECTIONS, SUBCUTANEOUS/ LH-FSH
RELEASING HORMONE, administration &
dosage/ *LH-FSH RELEASING HORMONE,
pharmacodynamics/ *OVARY, drug effects/
OVIPOSITION/ *OVULATION, drug effects/
SWINE/ TIME FACTORS

3192. Reichart E, Roux M, Legalt H, et al: Variations
d'activité de la cortico surrénale et de l'appareil
hypothalamo-hypophysaire chez le rat maintenu en
hypercapnie de longue durée.
Beitr Pathol 149:323-35, Sep 73 (Fre)
ADRENAL CORTEX HORMONES, blood/
ADRENAL GLANDS, enzymology/ ADRENAL
GLANDS, pathology/ *ADRENAL GLANDS,
pathophysiology/ ANIMAL EXPERIMENTS/
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ABSTRACT/ FEMALE/ HYDROCORTISONE,
blood/ HYDROGEN-ION CONCENTRATION/
HYDROXYSTEROID DEHYDROGENASES,

AUTHOR SECTION

- analysis/ *HYPERCAPNIA, physiopathology/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
physiopathology/ KARYOMETRY/ RATS/
TIME FACTORS
3193. Reier CE, George JM, Kilman JW: Cortisol and growth hormone response to surgical stress during morphine anesthesia.
Anesth Analg (Cleve) 52:1003-10, Nov-Dec 73
ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, physiology/ ANESTHESIA
ADJUVANTS/ *ANESTHESIA, INTRAVENOUS/
BLOOD PRESSURE, drug effects/
COMPARATIVE STUDY/ CORTICOTROPIN,
blood/ CORTICOTROPIN, pharmacodynamics/
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SURGERY/ HUMAN/ *HYDROCORTISONE,
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HYPOTHALAMUS, physiology/ MORPHINE,
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pharmacodynamics/ PITUITARY GLAND, drug
effects/ PITUITARY GLAND, physiology/
*SOMATOTROPIN, metabolism/ *SURGERY,
OPERATIVE
3194. Reier PJ, Froelich JS, Sawchak JA, et al: Maturation of nonmyelinated fiber bundles in a strain of dwarf (Snell's) mice. Anat Rec 178:103-18, Jan 74
AGE FACTORS/ ANIMAL EXPERIMENTS/
AXONS/ CYTOPLASM/ DWARFISM/
ENDOPLASMIC RETICULUM/ GENES,
RECESSIVE/ HOMOZYGOUS/ HUMAN/ MALE/
MICE, INBRED STRAINS/ MICROSCOPY,
ELECTRON/ *PERIPHERAL NERVES, growth
& development/ PITUITARY HORMONES,
physiology/ SCHWANN CELLS/ SCIATIC
NERVE, cytology/ SCIATIC NERVE, growth &
development
3195. Relf-Lehrer L, Coghill J: Conversion of glutamic acid to glutamine by retinal glutamine synthetase.
Exp Eye Res 17:321-8, 25 Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
CARBON RADIOISOTOPES/ CATTLE/ CHICK
EMBRYO/ *GLUTAMATES, metabolism/
*GLUTAMINE, metabolism/ *GLUTAMINE
SYNTHETASE, metabolism/
HYDROCORTISONE, pharmacodynamics/ IN
VITRO/ METHIONINE SULFOXIMINE,
pharmacodynamics/ *RETINA, enzymology/
TRITIUM
3196. Reimann I: Experimental osteoarthritis of the knee in rabbits induced by alteration of the load-bearing.
Acta Orthop Scand 44:496-504, 1973
ANIMAL EXPERIMENTS/ BIOMECHANICS/
*BONE AND BONES, pathology/ *CARTILAGE,
ARTICULAR, pathology/ HINDLIMB/
HISTOLOGICAL TECHNIQUES/ *JOINTS,
pathology/ *OSTEOARTHRITIS, pathology/
OSTEOARTHRITIS, physiopathology/
OSTEOTOMY/ RABBITS/ STRESS,
MECHANICAL/ TIME FACTORS/ WOUND
HEALING
3197. Reimicke C, Guttmacher H, Ulbricht W: Influence of non-steroid anti-inflammatory and immunosuppressive drugs on hepatic tryptophan pyrrolase activity in rats.
Biochem Pharmacol 22:195-203, 15 Jan 73
ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS,
pharmacodynamics/ ENZYME INDUCTION,
drug effects/ FLUFENAMIC ACID,
pharmacodynamics/ HYDROCORTISONE,
pharmacodynamics/ *IMMUNOSUPPRESSIVE
AGENTS, pharmacodynamics/ *LIVER,
enzymology/ MALE/ RATS/ TIME FACTORS/
*TRYPTOPHAN OXYGENASE, metabolism/
TYROSINE AMINOTRANSFERASE, metabolism
3198. Reimisch JM: Fetal hormones, the brain, and human sex differences: a heuristic, integrative review of the recent literature.
Arch Sex Behav 3:51-90, Jan 74 (96 ref.)
ADULT/ ANDROGENS, pharmacodynamics/
*ANDROGENS, physiology/ ANIMAL
EXPERIMENTS/ BRAIN, anatomy & histology/
BRAIN, drug effects/ *BRAIN, embryology/
CHILD, PRESCHOOL/ ESTROGENS,
physiology/ FEMALE/ *FETUS, physiology/
GENITALIA, drug effects/ GUINEA PIGS/
HAMSTERS/ HUMAN/ INFANT, NEWBORN/
MALE/ MICE/ MONKEYS/ *PSYCHOSEXUAL
DEVELOPMENT/ RATS/ REVIEW/ SEX
BEHAVIOR, drug effects/ SEX BEHAVIOR,
ANIMAL, drug effects/ SEX
DIFFERENTIATION DISORDERS, chemically
induced/ SEX DIFFERENTIATION
DISORDERS, physiopathology
3199. Reit B, Rafferty B, Parsons JA, et al: Proceedings: Structural requirements for biological activity of parathyroid hormone defined by study of synthetic peptides. J Endocrinol 59:42-3, Nov 73
AMINO ACID SEQUENCE/ ANIMAL
EXPERIMENTS/ BIOLOGICAL ASSAY/
CHICKENS/ IN VITRO/ *PARATHYROID
HORMONE, pharmacodynamics/ PEPTIDES,
analysis/ RATS/ STRUCTURE-ACTIVITY
RELATIONSHIP
3200. Reitalu J: A familial Y-22 translocation in man. Hereditas 74:155-60, 1973
ADOLESCENCE/ *CHROMOSOME
ABERRATIONS/ *CHROMOSOMES, HUMAN,
21-22/ FEMALE/ HUMAN/ KARYOTYPING/
MALE/ MICROSCOPY, FLUORESCENCE/
PEDIGREE/ *SEX CHROMOSOMES
3201. Reitelmann-Stojanovi L: Primena Dantisolona-R i Dantisolona-P u lokalnoj terapiji akutno zapaljivih parodontopatija i Dantisolona.
Stomatol Glas Srb 20:15-23, Jan-Feb 73 (Ser)
NEOMYCIN, therapeutic use/
PERIODONTITIS, drug therapy/
PREDNISOLONE, TOPICAL, therapeutic use/
SPECIAL LIST DENTAL/ TRYPSIN,
therapeutic use
3202. Reiter RJ, Blum K, Wallace JE, et al: Pineal gland: evidence for an influence on ethanol preference in male Syrian hamsters.
Comp Biochem Physiol [A] 47:11-6, Jan 74
*ALCOHOL DRINKING/ ALCOHOL DRINKING,
drug effects/ ANIMAL EXPERIMENTS/
BLINDNESS/ DARKNESS/ DRINKING/
GANGLIA, AUTONOMIC, physiology/
HAMSTERS/ LIGHT/ MALE/ MELATONIN,
pharmacodynamics/ PERIODICITY/ *PINEAL
BODY, physiology/ WATER
3203. Rekonen A, Kulikka J, Isomäki AM, et al: The use of ¹³³Xe clearance method in measurement of the blood flow in thyroid nodules. Ann Clin Res 5:220-4, Aug 73
ADENOMA, diagnosis/ CARCINOMA, diagnosis/
*GOITER, diagnosis/ HUMAN/
*RADIOISOTOPES, diagnostic use/ REGIONAL
BLOOD FLOW/ *THYROID GLAND, blood
supply/ *THYROID NEOPLASMS, diagnosis/
XENON, blood/ *XENON, diagnostic use
3204. Relkin R: Effect of sodium deprivation and pinealectomy on pituitary and plasma prolactin in the rat. J Endocrinol 59:383-4, Nov 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
*DIET, SALT-FREE/ HEMATOCRIT/ MALE/
*PINEAL BODY, physiology/ *PITUITARY
GLAND, analysis/ *PROLACTIN, analysis/
RADIOIMMUNOASSAY/ RATS/ *SODIUM,
blood
3205. Remagen W: The bone cell system: form and function. Beltr Pathol 150:1-10, Oct 73 (8 ref.)
*BONE AND BONES, cytology/ BONE AND
BONES, metabolism/ BONE AND BONES,
physiology/ BONE RESORPTION/ CALCIUM,
metabolism/ CHOLECALCIFEROL,
biosynthesis/ HUMAN/ INTESTINAL
ABSORPTION/ LIVER, metabolism/
OSTEOBLASTS/ OSTEOCLASTS/
OSTEOCYTES/ REVIEW/ VITAMIN D,
metabolism
3206. Rembez AM: Rak Krukenberga po materialam ginekologicheskogo otdeleniya za 10 let. Akush Ginekol (Mosk) 49:67, Mar 73 (Rus)
ADULT/ *CARCINOMA, MUCINOUS,
occurrence/ FEMALE/ HUMAN/ MIDDLE

AUTHOR SECTION

AGE/ NEOPLASM METASTASIS/ *OVARIAN
NEOPLASMS, occurrence/ UKRAINE

3207. Remillard GM, Colle E, Andermann F: On the relation of dystonic movements to serum thyroxine levels. Can Med Assoc J 110:59-61, 5 Jan 74
CHILD, PRESCHOOL/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FEMALE/ HUMAN/
HYPOTHYROIDISM, complications/
HYPOTHYROIDISM, congenital/
HYPOTHYROIDISM, drug therapy/
*MOVEMENT DISORDERS, chemically induced/
THYROXINE, administration & dosage/
THYROXINE, adverse effects/ *THYROXINE,
blood
3208. Remmele W, Lewin J: Adenomatoidtumoren des weiblichen Genitale (mit Literaturübersicht der Adenomatoidtumoren bei beiden Geschlechtern. Arch Gynaekol 215:389-408, 1973 (Ger)
ADULT/ AGE FACTORS/ AGED/ ENGLISH
ABSTRACT/ FALLOPIAN TUBE NEOPLASMS,
pathology/ FEMALE/ GERMANY, WEST/
GYNECOLOGIC NEOPLASMS, occurrence/
*GYNECOLOGIC NEOPLASMS, pathology/
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occurrence/ *MESOTHELIOMA, pathology/
MIDDLE AGE/ OVARIAN NEOPLASMS,
pathology/ PROGNOSIS/ SEX FACTORS/
UROGENITAL NEOPLASMS, occurrence/
*UROGENITAL NEOPLASMS, pathology/
UTERINE NEOPLASMS, pathology
3209. Reneau DD: Experimental and theoretical investigations of oxygen transport problems in fetal systems. Adv Exp Med Biol 37:995-8, 1973
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ BIOLOGICAL TRANSPORT/
*BLOOD CIRCULATION/ CEREBROVASCULAR
CIRCULATION/ CORONARY CIRCULATION/
DIFFUSION/ FEMALE/ FETUS/
HEMOGLOBIN, metabolism/ HYDROGEN-ION
CONCENTRATION/ KINETICS/ OXYGEN/
OXYHEMOGLOBIN, metabolism/ PLACENTA,
metabolism/ PREGNANCY
3210. Repérant J: Nouvelles données sur les projections visuelles chez le pigeon (Columba livia. J Hirnforsch 14:151-87, 1973 (Fre)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ HYPOTHALAMUS, anatomy &
histology/ MODELS, STRUCTURAL/ NERVE
DEGENERATION/ NEURAL
INTERCONNECTIONS/ NOMENCLATURE/
*PIGEONS, anatomy & histology/ RETINA,
anatomy & histology/ SUPERIOR
COLLICULUS, anatomy & histology/
THALAMIC NUCLEI, anatomy & histology/
*VISUAL PATHWAYS, anatomy & histology
3211. Resko JA, Norman RL, Niswender GD, et al: The relationship between progestins and gonadotropins during the late luteal phase of the menstrual cycle in rhesus monkeys. Endocrinology 91:128-35, Jan 74
ANIMAL EXPERIMENTS/ CHOLESTEROL,
pharmacodynamics/ ESTRADIOL, blood/
FEMALE/ *FSH, blood/ *LH, blood/
MACACA/ *MENSTRUATION/ MONKEYS/
PREGNENOLONE, blood/ PROGESTERONE,
administration & dosage/ PROGESTERONE,
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RABBITS, immunology/
RADIOIMMUNOASSAY/ TRITIUM
3212. Ressler C, Abe O, Kondo Y, et al: Purification and characterization from Chromobacterium violaceum of an enzyme catalyzing the synthesis of gamma-cyano-alpha-aminobutyric acid and thiocyanate. Biochemistry 12:5389-77, 18 Dec 73
*AMINOBUTYRIC ACID, metabolism/
APOPROTEINS/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, ION EXCHANGE/
*CHROMOBACTERIUM, enzymology/
CYANIDES/ DISULFIDES, pharmacodynamics/
DRUG STABILITY/ ENZYME ACTIVATION/
GEL FILTRATION/ HEAT/ HOMOCYSTEINE/
HYDROGEN-ION CONCENTRATION/
KINETICS/ LYASES, antagonists & inhibitors/
*LYASES, isolation & purification/
MOLECULAR WEIGHT/ NITRILES,
metabolism/ PYRIDOXAL PHOSPHATE,
pharmacodynamics/ STRUCTURE-ACTIVITY
RELATIONSHIP/ SULFHYDRYL COMPOUNDS,
pharmacodynamics/ *THIOCYANATES,
metabolism
3213. Rettura G, Selfter J, Zisblatt M, et al: Metyrapone-inhibited oncogenesis in mice inoculated with a murine sarcoma virus. J Natl Cancer Inst 51:1983-5, Dec 73
ANIMAL EXPERIMENTS/ DIET/
*METYRAPONE, therapeutic use/ MICE/
MICE, INBRED STRAINS/ *MOLONEY VIRUS/
ORGAN WEIGHT/ SARCOMA,
EXPERIMENTAL, etiology/ *SARCOMA,
EXPERIMENTAL, prevention & control/
THYMUS GLAND/ TIME FACTORS/ TUMOR
VIRUS INFECTIONS
3214. Reubl F: Electrolytes et hypertension artérielle. Acta Cardiol (Brux) Suppl 17:180-8, 1973 (Fre)
ALDOSTERONE, blood/ ANIMAL
EXPERIMENTS/ DESOXYCORTICOSTERONE,
adverse effects/ DRUG COMBINATIONS/
*ELECTROLYTES, blood/ ELECTROLYTES,
metabolism/ ENGLISH ABSTRACT/ HUMAN/
HYPERTENSION, blood/ HYPERTENSION,
chemically induced/ *HYPERTENSION,
etiology/ POTASSIUM, blood/ RATS/ SODIUM
CHLORIDE, adverse effects
3215. Reuss L, Bello E: Experiencia preliminar con la dosificación de la actividad de renina en el estudio etiológico de la hipertensión arterial. Rev Med Chil 101:286-91, Apr 73 (Spa)
HYPERTENSION, blood/ *HYPERTENSION,
enzymology/ HYPERTENSION, etiology/
*HYPERTENSION, MALIGNANT, enzymology/
*RENIN, blood
3216. Reutter K: Typisierung der Geschmacksknospen von Fischen. I. Morphologische und neurohistochemische Untersuchungen an Xiphophorus helleri Heckel (Poeciliidae, Cyprinodontiformes, Teleostei. Z Zellforsch Mikrosk Anat 143:409-23, 18 Oct 73 (Ger)
ACETYLCHOLINESTERASE, analysis/ ANIMAL
EXPERIMENTS/ ENGLISH ABSTRACT/
FEMALE/ *FISHES, anatomy & histology/
MALE/ MONOAMINE OXIDASE, analysis/
SEROTONIN, analysis/ TASTE BUDS, analysis/
*TASTE BUDS, cytology/ TASTE BUDS,
enzymology
3217. Režábek K: Antikoncepční preparáty. Cesk Gynecol 38:609-10, Sep 73 (Cze)
*CONTRACEPTION/ CONTRACEPTIVE
AGENTS, administration & dosage/
CONTRACEPTIVES, ORAL, administration &
dosage/ FEMALE/ HUMAN/ INTRAUTERINE
DEVICES/ SUPPOSITORIES
3218. Reznikov OG: Vyvchennia funktsii medullarnol zony nadnykovykh zaloz u tvaryn pry eksperymental'nomu hipokorytsyzi. Fiziol Zh 19:396-7, May-Jun 73 (Ukr)
*ADRENAL GLAND HYPOFUNCTION,
physiopathology/ *ADRENAL MEDULLA,
physiopathology/ ANIMAL EXPERIMENTS/
DOGS
3219. Rhamy RK, Hadd HE: The identification of androstenedione and androstenedione 3-enol glucuronide in the blood of a woman with an interstitial cell ovarian tumor after 4-14C-testosterone. Steroids 22:719-29, Nov 73
ADULT/ ALUMINUM/ ANDROSTENEDIONE,
biosynthesis/ *ANDROSTENEDIONE, blood/
*ARRHENOBlastoma, blood/
ARRHENOBlastoma, metabolism/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY/
CHROMATOGRAPHY, PAPER/
COUNTERCURRENT DISTRIBUTION/
FEMALE/ GLUCURONATES, biosynthesis/
*GLUCURONATES, blood/ GLUCURONIDASE/
HUMAN/ *OVARIAN NEOPLASMS, blood/
*TESTOSTERONE, metabolism/
TESTOSTERONE, urine
3220. Rhodes EL, Morison WL, Skinner GB, et al: The anti-infective action of a new steroid-base combination (fluclorolone acetate in FAPG base)

AUTHOR SECTION

- with conventional antimicrobial substances.
Curr Med Res Opin 1:87-92, 1972
- BETAMETHASONE, administration & dosage/
BETAMETHASONE, therapeutic use/
CLINICAL RESEARCH/ COMPARATIVE
STUDY/ DRUG COMBINATIONS/
ESCHERICHIA COLI, drug effects/
ESCHERICHIA COLI, isolation & purification/
*FATTY ALCOHOLS, therapeutic use/
FLUOCINOLONE ACETONIDE, administration
& dosage/ *FLUOCINOLONE ACETONIDE,
therapeutic use/ HUMAN/ NEOMYCIN,
administration & dosage/ NEOMYCIN,
therapeutic use/ OINTMENTS/
*PROPANEDIOLS, therapeutic use/ *SKIN
DISEASES, drug therapy/ SKIN DISEASES,
microbiology/ STAPHYLOCOCCUS, drug
effects/ STAPHYLOCOCCUS, isolation &
purification/ STEROIDS, CHLORINATED,
administration & dosage/ STEROIDS,
CHLORINATED, therapeutic use/
VALERATES, therapeutic use/ VEHICLES
3221. Rhone DP, White FM, Gidaspo H: The isoenzymes of
alkaline phosphatase in sera of normal pregnancy at
term. Obstet Gynecol 43:31-40, Jan 74
ADULT/ *ALKALINE PHOSPHATASE, blood/
ARGININE, diagnostic use/ BLOOD PROTEIN
ELECTROPHORESIS/ BONE AND BONES,
enzymology/ CELLULOSE/ DENSITOMETRY/
FEMALE/ GESTATIONAL AGE/ HEAT/
HUMAN/ INTESTINES, enzymology/
*ISOENZYMES, blood/ LIVER, enzymology/
MATERNAL AGE/ PARITY/
PHENYLALANINE, diagnostic use/
PLACENTA, enzymology/ *PREGNANCY/
UREA, diagnostic use
3222. Riccabona G, Bauer H, Lugger LJ: Pathophysiologische
Befunde bei endemischen Strumen und normalen
Schilddrüsen aus einem endemischen Kropfgebiet.
Acta Endocrinol [Suppl] (Khh) 47-8, 1973 (Ger)
AUSTRIA/ AUTORADIOGRAPHY/
CARBOHYDRATES, metabolism/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY/
ELECTROPHORESIS/ *GOITER, ENDEMIC,
metabolism/ HUMAN/ *IODINE, metabolism/
IODINE RADIOISOTOPES/ METABOLISM,
INBORN ERRORS/ *THYROID GLAND,
metabolism
3223. Ricci V, Molinari GA, Bonomi L, et al: Direct ultrasonic
irradiation of the hypophysis in diabetic retinopathy.
Arch Klin Exp Ohren Nasen Kehlkopfheilkd
204:237-48, 12 Oct 73
*DIABETIC RETINOPATHY, therapy/
HUMAN/ HYDROCORTISONE, blood/
HYPOPHYSECTOMY/ METHODS/ *PITUITARY
GLAND/ PITUITARY GLAND, radiography/
PROGNOSIS/ TIME FACTORS/ *ULTRASONIC
THERAPY/ VASOPRESSIN, blood/ VISION
DISORDERS, therapy
3224. Rich TL, Brady AJ: Potassium contracture and
utilization of high-energy phosphates in rabbit heart.
Am J Physiol 226:105-13, Jan 74
*ADENINE NUCLEOTIDES, metabolism/
ADENOSINE DIPHOSPHATE, metabolism/
ADENOSINE MONOPHOSPHATE, metabolism/
ADENOSINE TRIPHOSPHATE, metabolism/
ANIMAL EXPERIMENTS/ CALCIUM,
metabolism/ GLYCOLYSIS, drug effects/
*HEART, physiology/ HEART SEPTUM, drug
effects/ *HEART SEPTUM, metabolism/ IN
VITRO/ IODOACETATES, pharmacodynamics/
MALE/ *MUSCLE CONTRACTION/
NITROGEN, pharmacodynamics/ OXIDATIVE
PHOSPHORYLATION, drug effects/
*PHOSPHOCREATINE, metabolism/
*POTASSIUM CHLORIDE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/ RABBITS/
SARCOPLASMIC RETICULUM, metabolism
3225. Richards F 2d, Pajak TF, Cooper MR, et al: Study of
methyl-CCNU(NSC-95441) in the treatment of lung
cancer. Cancer Chemother Rep 57:419-22, Nov-Dec 73
*ADENOCARCINOMA, drug therapy/
*ALKYLATING AGENTS, therapeutic use/
*ANTINEOPLASTIC AGENTS, therapeutic use/
CARCINOMA, BRONCHIOLAR, drug therapy/
*CARCINOMA, EPIDERMOID, drug therapy/
*CARCINOMA, OAT CELL, drug therapy/
CYCLOHEXANE, therapeutic use/ HUMAN/
*LUNG NEOPLASMS, drug therapy/
NEOPLASM METASTASIS/ NEOPLASM
RECURRENCE, LOCAL/ *NITROSOUREA
COMPOUNDS, therapeutic use/ TIME
FACTORS
3226. Richards G, Neville AM: Steroid metabolism in vitro by
an interstitial cell tumour and the attached
prepuhertal testis. J Endocrinol 59:637-49, Dec 73
ADOLESCENCE/ ANDROSTENEDIONE,
metabolism/ CARBON RADIOISOTOPES/
CHROMATOGRAPHY, THIN LAYER/
DEHYDROEPIANDROSTERONE, metabolism/
HUMAN/ HYDROXYPROGESTERONE,
metabolism/ *LEYDIG CELL TUMOR,
metabolism/ MALE/ PREGNENOLONE,
metabolism/ PROGESTERONE, metabolism/
PUBERTY/ *STEROIDS, metabolism/
*TESTICULAR NEOPLASMS, metabolism/
*TESTIS, metabolism/ TESTOSTERONE,
metabolism/ TRITIUM
3227. Richardson BD, Walker AR: Letter: Bowlegs,
knock-knees and vitamin D status in schoolchildren.
N Engl J Med 290:346, 7 Feb 74
ADOLESCENCE/ CHILD/ HUMAN/ ISRAEL/
*JOINT DISEASES, complications/ JOINT
DISEASES, occurrence/ KNEE JOINT/ SOUTH
AFRICA/ *VITAMIN D DEFICIENCY,
complications/ VITAMIN D DEFICIENCY,
occurrence
3228. Richens ER, Ancill RJ, Gough KR, et al: Cellular
hypersensitivity to mitochondrial antigens in
diabetes mellitus. Clin Exp Immunol 13:1-7, Jan 73
ADRENAL GLANDS, immunology/
ANTIGENS/ CELL MIGRATION INHIBITION/
DIABETES MELLITUS, drug therapy/
*DIABETES MELLITUS, immunology/ HUMAN/
*HYPERSENSITIVITY, DELAYED,
immunology/ INSULIN, therapeutic use/
KIDNEY, immunology/ LEUKOCYTES/
MITOCHONDRIA, immunology/
*MITOCHONDRIA, LIVER, immunology/
ORGAN SPECIFICITY/ RATS, immunology/
SPECIES SPECIFICITY
3229. Richerson HB: Symptomatic treatment of adults with
bronchial asthma.
Med Clin North Am 58:135-45, Jan 74 (30 ref.)
ACUTE DISEASE/ ADMINISTRATION, ORAL/
ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ AEROSOLS/
ANTIHISTAMINICS, therapeutic use/
ASTHMA, drug therapy/ *ASTHMA, therapy/
BRONCHODILATOR AGENTS, therapeutic use/
CHRONIC DISEASE/ DIET THERAPY/
ENVIRONMENT, CONTROLLED/
EXPECTORANTS, therapeutic use/ HUMAN/
HYDROCORTISONE, therapeutic use/
INHALATION THERAPY/ PREDNISONE,
therapeutic use/ PSYCHOTHERAPY/
RESPIRATION, ARTIFICIAL/ REVIEW/
SPIROMETRY/ TRANQUILIZING AGENTS,
therapeutic use
3230. Richmond DE, Doak FB, North JD: Inhibition of
leucocyte migration as an index of rejection in renal
transplant recipients.
Clin Exp Immunol 15:17-25, Sep 73
ADOLESCENCE/ ADULT/ AZATHIOPRINE,
therapeutic use/ *CELL MIGRATION
INHIBITION/ CREATININE, urine/ FEMALE/
*GRAFT REJECTION/ HUMAN/ *KIDNEY,
transplantation/ *LEUKOCYTES, immunology/
MALE/ MIDDLE AGE/ POSTOPERATIVE
COMPLICATIONS, diagnosis/ PREDNISONE,
therapeutic use/ SPLEEN, immunology/ TIME
FACTORS/ TRANSPLANTATION,
HOMOLOGOUS
3231. Richmond W: Preparation and properties of a
cholesterol oxidase from Nocardia sp. and its
application to the enzymatic assay of total cholesterol
in serum. Clin Chem 19:1350-6, Dec 73
ACETONE/ *ALCOHOL OXIDOREDUCTASES,
isolation & purification/ ALCOHOLS/

AUTHOR SECTION

- ANDROSTENOLS/ BILIRUBIN/ CATALASE/
CELL FRACTIONATION/ CHOLANES/
CHOLESTENES/ CHOLESTEROL/
*CHOLESTEROL, blood/ COMPARATIVE
STUDY/ EVALUATION STUDIES/
HEMOGLOBIN/ HUMAN/ KINETICS/
METHODS/ MICROSCOPY, ELECTRON/
*NOCARDIA, enzymology/ PREGNENES/
PRESSURE/ STEROLS/
STRUCTURE-ACTIVITY RELATIONSHIP/
ULTRASONICS/ VIBRATION
3232. Richter RH, Hepp H, Lauritzen C: Fortschritte auf dem Gebiete der Schwangerschaftsdiagnostik. Med Lab (Stutg) 26:193-8, Aug 73 (Ger)
DIAGNOSIS, LABORATORY/ FEMALE/
GONADOTROPINS, CHORIONIC, urine/
HUMAN/ LATEX FIXATION TESTS/
PREGNANCY/ *PREGNANCY TESTS
3233. Ricour C, Millot M, Balsan S: Sodium conservation after total or Sub-total colonic resection in children. Scand J Gastroenterol 8:743-50, 1973
ALDOSTERONE, urine/ BODY WEIGHT/
CHILD/ CHILD, PRESCHOOL/ *COLECTOMY/
COLON, physiology/ DIET/ FECES, analysis/
HUMAN/ ILEOSTOMY/ INFANT/
*INTESTINE, SMALL, metabolism/
POTASSIUM, metabolism/ POTASSIUM, urine/
*SODIUM, metabolism/ SODIUM, urine/ TIME
FACTORS/ WATER-ELECTROLYTE BALANCE
3234. Riede UN, Mihatsch JM: Zellen und Matrix im orthotop-homotransplantierten Epiphysenknorpel. Beitr Pathol 149:336-46, Sep 73 (Ger)
ANIMAL EXPERIMENTS/ CARTILAGE,
ARTICULAR, pathology/ *CARTILAGE,
ARTICULAR, transplantation/ ENDOPLASMIC
RETICULUM/ ENGLISH ABSTRACT/
EPIPHYSES/ GOLGI APPARATUS/ GRAFT
REJECTION/ GRAFT VS HOST REACTION/
MALE/ MICROSCOPY, ELECTRON/ RATS/
RICKETS/ TIME FACTORS/
TRANSPLANTATION, HOMOLOGOUS
3235. Riesco G, Bernal J, Sanchez-Franco F: Thyroglobulin defect in a human congenital goiter. J Clin Endocrinol Metab 38:33-41, Jan 74
ADOLESCENCE/ CHROMATOGRAPHY,
PAPER/ GEL DIFFUSION TESTS/ GEL
FILTRATION/ GOITER, congenital/ GOITER,
familial & genetic/ *GOITER, metabolism/
HUMAN/ IMMUNOELECTROPHORESIS/
IODINE RADIOISOTOPES/ MALE/ PEDIGREE/
RADIOIMMUNOASSAY/ *THYROGLOBULIN,
biosynthesis/ *THYROID GLAND, metabolism/
ULTRACENTRIFUGATION
3236. Rifai GM: Renal and perirenal hemangiopericytoma. Urology 1:148-50, Feb 73
ADRENAL GLANDS, pathology/
ADRENALECTOMY/ FEMALE/
*HEMANGIOPERICYTOMA, pathology/
HEMANGIOPERICYTOMA, radiography/
HEMANGIOPERICYTOMA, surgery/ HUMAN/
KIDNEY, pathology/ *KIDNEY NEOPLASMS,
pathology/ KIDNEY NEOPLASMS, radiography/
KIDNEY NEOPLASMS, surgery/ KIDNEY
PELVIS, radiography/ MIDDLE AGE/
NEPHRECTOMY/ TOMOGRAPHY,
RADIOGRAPHIC/ UROGRAPHY
3237. Rifkenberick DH, Gamble JG, Max SR: Response of mitochondrial enzymes to decreased muscular activity. Am J Physiol 225:1295-9, Dec 73
ANIMAL EXPERIMENTS/ CALCIUM,
metabolism/ *CYTOCHROME OXIDASE,
metabolism/ HINDLIMB/ IMMOBILIZATION/
*MALATE DEHYDROGENASE, metabolism/
MALE/ *MITOCHONDRIA, MUSCLE,
enzymology/ *MONOAMINE OXIDASE,
metabolism/ MUSCLE PROTEINS, metabolism/
*MUSCULAR ATROPHY, enzymology/ NAD,
metabolism/ NICOTINAMIDE/ NUCLEOTIDES,
metabolism/ RATS/ TIME FACTORS
3238. Rijn H van, Bevers MM, Wijk R van, et al: Regulation of phosphoenolpyruvate carboxykinase and tyrosine transaminase in hepatoma cell cultures. 3. Comparative studies in H35, HTC, MH1C1 and RLC cells. J Cell Biol 60:181-91, Jan 74
BIOLOGICAL TRANSPORT/ CELL COUNT/
CELL DIVISION, drug effects/ CELL LINE/
COMPARATIVE STUDY/ DEOXYADENOSINE,
metabolism/ DEOXYCYTIDINE,
pharmacodynamics/ DEXAMETHASONE,
pharmacodynamics/ DIBUTYRYL CYCLIC
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pharmacodynamics/ DIFFUSION/ DNA,
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*HEPATOMA, enzymology/ LIVER, drug
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*PHOSPHOENOLPYRUVATE
CARBOXYKINASE, metabolism/ RATS/ TIME
FACTORS/ TRITIUM/ *TYROSINE
AMINOTRANSFERASE, metabolism
3239. Rimón R: Psykosomaattista näkökohtia ehkäisyssä. Duodecim 89:1641-8, Oct 73 (66 ref.) (Fin)
ATTITUDE/ *CONTRACEPTION/
*CONTRACEPTIVES, ORAL/ EMOTIONS/
FAMILY PLANNING/ FEMALE/ HUMAN/
INTRAUTERINE DEVICES/ LIBIDO/ MALE/
MOTIVATION/ PREGNANCY/ PSYCHOLOGY/
PSYCHOPATHOLOGY/ *PSYCHOPHYSIOLOGIC
DISORDERS, etiology/ REVIEW/ *SEX
BEHAVIOR/ SEX DISORDERS, etiology
3240. Ringoir S: Proceedings: Terminology, pathophysiology and preoperative investigations in renovascular hypertension. J Cardiovasc Surg (Torino) 14:673-7, Nov-Dec 73
*ADRENAL GLAND NEOPLASMS,
complications/ ANIMAL EXPERIMENTS/
*AORTIC COARCTATION, complications/
AORTOGRAPHY/ *CONTRACEPTIVES, ORAL,
adverse effects/ CUSHING'S SYNDROME,
complications/ FEMALE/ HUMAN/
HYPERTENSION, RENAL, enzymology/
*HYPERTENSION, RENAL, etiology/ KIDNEY
CORTEX, enzymology/ KIDNEY FUNCTION
TESTS/ LACTATE DEHYDROGENASE
ISOENZYMES/ *NOMENCLATURE/
*PHEOCHROMOCYTOMA, complications/
PREGNANCY/ RATS/ RENAL ARTERY
OBSTRUCTION, complications/ RENIN,
secretion/ UROGRAPHY
3241. Ritter S, Stein L: Self-stimulation of noradrenergic cell group (A6) in locus coeruleus of rats. J Comp Physiol Psychol 85:443-52, Dec 73
ANIMAL EXPERIMENTS/ *CEREBRAL
VENTRICLES, physiology/ CHLORPROMAZINE,
pharmacodynamics/ CONDITIONING,
OPERANT, drug effects/ DEXTRO
AMPHETAMINE, pharmacodynamics/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ELECTRODES, IMPLANTED/ EXPLORATORY
BEHAVIOR/ HYPOTHALAMUS, physiology/
MALE/ METHYLTYROSINES,
pharmacodynamics/ *NEURONS, physiology/
NOREPINEPHRINE, physiology/ PIMOZIDE,
pharmacodynamics/ PONS, physiology/ RATS/
REWARD/ *SELF STIMULATION/
STEREOTAXIC TECHNIQS
3242. Ritz E, Kuhn HM, Krempien B, et al: Röntgenologische Zeichen gestörten Calcium-stoffwechsels bei Dialysepatienten. II. Beziehung der Röntgensymptome zu möglichen pathogenetischen Faktoren. Fortschr Geb Roentgenstr Nuklearmed 119:194-202, Aug 73 (Ger)
AGE FACTORS/ ARTERIOSCLEROSIS,
etiology/ CALCINOSIS, radiography/
CALCITONIN, blood/ CALCIUM METABOLISM
DISORDERS, etiology/ *CALCIUM
METABOLISM DISORDERS, radiography/
CARPAL BONES, radiography/ CREATININE,
blood/ ENGLISH ABSTRACT/ FEMALE/
FINGERS, radiography/ *HEMODIALYSIS,
adverse effects/ HEPARIN, adverse effects/
HUMAN/ KIDNEY FAILURE, CHRONIC,
complications/ MATHEMATICS/
METACARPUS, radiography/ MINERALS/
OSTEITIS FIBROSA CYSTICA, etiology/
OSTEOMALACIA, etiology/ OSTEOSCLEROSIS,
etiology/ PARATHYROID HORMONE, blood/
PHOSPHATES, blood/ RENAL

AUTHOR SECTION

- OSTEODYSTROPHY, radiography/ SEX
FACTORS/ TIME FACTORS/ VITAMIN D,
blood
3243. Rivier J, Amoss M, Rivier C, et al: Synthetic luteinizing hormone releasing factor. Short chain analogs. J Med Chem 17:230-3, Feb 74
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROPHORESIS/ FSH, secretion/ IN VITRO/ LH, secretion/ LH-FSH RELEASING HORMONE, analysis/ *LH-FSH RELEASING HORMONE, chem synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ OLIGOPEPTIDES, analysis/ OLIGOPEPTIDES, chem synthesis/ OLIGOPEPTIDES, pharmacodynamics/ OPTICAL ROTATION/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYROTROPIN, secretion
3244. Rizzetto M, Swana G, Doniach D: Microsomal antibodies in active chronic hepatitis and other disorders. Clin Exp Immunol 15:331-44, Nov 73
ABSORPTION/ ADOLESCENCE/ ANIMAL EXPERIMENTS/ *AUTOANTIBODIES, analysis/ CELL FRACTIONATION/ COMPLEMENT FIXATION TESTS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *HEPATITIS, immunology/ HUMAN/ IGG, analysis/ IGM, analysis/ KIDNEY CORTEX/ LIVER CIRRHOSIS, OBSTRUCTIVE, immunology/ MALE/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, immunology/ MITOCHONDRIA, LIVER, immunology/ RATS/ STOMACH/ SUCCINATE DEHYDROGENASE, analysis/ THYROID GLAND
3245. Rills LC, Jaussel AW, Talt GR, et al: In vivo and in vitro effects of X-irradiation and histamine-PO4 on rat and bovine pineal HIOMT activity and melatonin synthesis. Life Sci 13:835-45, 1 Oct 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *HISTAMINE, pharmacodynamics/ IN VITRO/ INDOLES/ MALE/ *MELATONIN, biosynthesis/ *METHYLTRANSFERASES, metabolism/ ORGAN CULTURE/ *ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ PINEAL BODY, drug effects/ PINEAL BODY, enzymology/ PINEAL BODY, metabolism/ *PINEAL BODY, radiation effects/ *RADIATION EFFECTS/ RATS/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS/ TRYPTOPHAN, metabolism
3246. Roach MK, Khan MM, Coffman R, et al: Brain (NA⁺ + K⁺)-activated adenosine triphosphatase activity and neurotransmitter uptake in alcohol-dependent rats. Brain Res 63:323-9, 7 Dec 73
*ADENOSINE TRIPHOSPHATASE, metabolism/ ALCOHOL, ETHYL, blood/ *ALCOHOLISM, enzymology/ AMINOBUTYRIC ACID, metabolism/ ANIMAL EXPERIMENTS/ BRAIN, drug effects/ *BRAIN, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, GAS/ DISEASE MODELS, ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG WITHDRAWAL SYMPTOMS, metabolism/ GLUTAMATES, metabolism/ MAGNESIUM, pharmacodynamics/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ NEURAL TRANSMISSION/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ POTASSIUM/ RATS/ SEROTONIN, metabolism/ SODIUM/ SYNAPTOSOMES, metabolism
3247. Robak J: Działanie inotropowe a poziom wysokoenergetycznych fosforanów i jonów wapniowych w mięśniu sercowym. (Pol)
Folia Med Cracov 15:381-94, 1973
ADENINE NUCLEOTIDES, physiology/ ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CATS/
- GUINEA PIGS/ *MYOCARDIUM, metabolism/ *PHOSPHATES, metabolism
3248. Roberts E: Model' nervnoi sistemy pozvonocnogo, osnovannaya v znachitel'noi stepeni na rastormazhivani. O klicubevoi roli sistemy GAM. Zb Evol Blokhim Fiziol 9:445-63, Sep-Oct 73 (52 ref.) (Rus)
ACETYLCHOLINE, analysis/ AMINOBUTYRIC ACID, analysis/ AMINOBUTYRIC ACID, pharmacodynamics/ *AMINOBUTYRIC ACID, physiology/ ANIMAL EXPERIMENTS/ ANOREXIA NERVOSA, etiology/ BRAIN, enzymology/ *BRAIN, physiology/ BRAIN CHEMISTRY/ CARBOXY-LYASES, metabolism/ CATTLE/ CELL MEMBRANE PERMEABILITY, drug effects/ DOPAMINE, analysis/ HUMAN/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ *MODELS, NEUROLOGIC/ MONKEYS/ *NEURAL INHIBITION/ NEUROMUSCULAR JUNCTION, drug effects/ NOREPINEPHRINE, analysis/ PERCEPTUAL DISORDERS, etiology/ REVIEW/ SCHIZOPHRENIA, etiology/ SEROTONIN, analysis/ SYNAPSES, drug effects
3249. Roberts M, Mottard L, Petit JM: Expérimentation clinique d'aérosols d'isonicotinate de dexaméthasone. Substitut de la corticostéroïde par voie générale. Rev Med Liege 28:606-11, 1 Sep 73 (Fre)
ADMINISTRATION, ORAL/ ADULT/ AEROSOLS/ AGED/ *ASTHMA, drug therapy/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ INHALATION THERAPY/ INJECTIONS, INTRAMUSCULAR/ MALE/ MIDDLE AGE/ RESPIRATORY FUNCTION TESTS
3250. Robertson HA: Changes in the concentration of unconjugated oestrone, oestradiol-17alpha and oestradiol-17beta in the maternal plasma of the pregnant cow in relation to the initiation of parturition and lactation. J Reprod Fertil 36:1-7, Jan 74
ANIMAL EXPERIMENTS/ CATTLE/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ FETUS/ GESTATIONAL AGE/ *LABOR/ *LACTATION/ PREGNANCY/ *PREGNANCY, ANIMAL/ SEX FACTORS/ TIME FACTORS
3251. Robertson HA, Smeaton TC: The concentration of unconjugated oestrone, oestradiol-17 alpha and oestradiol-17 beta in the maternal plasma of the pregnant ewe in relation to the initiation of parturition and lactation. J Reprod Fertil 35:461-8, Dec 73
ANIMAL EXPERIMENTS/ BIRTH WEIGHT/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ JUGULAR VEIN/ *LABOR/ *LACTATION/ MALE/ PREGNANCY/ PREGNANCY, MULTIPLE/ SEX FACTORS/ SHEEP/ TIME FACTORS/ TWINS
3252. Robiller F, Arndt J, Stiller KJ, et al: Autoradiographische Untersuchungen über Ursachen der Rezidivhäufigkeit von malignen Schilddrüsentumoren bei alleiniger Radiojod-Behandlung. Radiobiol Radiother (Berl) 14:367-70, 1973 (Ger)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ *NEOPLASM RECURRENCE, LOCAL, etiology/ PSITTACINES/ *THYROID NEOPLASMS, radiotherapy
3253. Robiller F, Lauterbach H: In-vitro-Funktionsuntersuchungen der Schilddrüsen von Grlitzen (Serinus serinus) während der Zugzeiten. Naturwissenschaften 60:522, Nov 73 (Ger)
ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *BIRDS/ GLOBULINS, metabolism/ HOME RANGE/ PROTEIN BINDING/ SEASONS/ THYROID GLAND, metabolism/ *THYROID GLAND, physiology/ THYROXINE, blood/ THYROXINE, metabolism

AUTHOR SECTION

3254. Robineau M, Veysier P, Boussoungant Y, et al: Haemophilus parainfluenzae epiglottitis with positive blood cultures in an adult. Scand J Infect Dis 5:229-31, 1973
BLOOD/ CASE REPORT/ CEPHALOTHIN, therapeutic use/ CULTURE MEDIA/ DEXAMETHASONE, therapeutic use/ DRUG THERAPY, COMBINATION/ *EPIGLOTTIS, microbiology/ GENTAMICIN, therapeutic use/ HAEMOPHILUS INFECTIONS, drug therapy/ *HAEMOPHILUS INFECTIONS, microbiology/ *HAEMOPHILUS INFLUENZAE, isolation & purification/ HUMAN/ LARYNGITIS, drug therapy/ *LARYNGITIS, etiology/ LARYNGITIS, microbiology/ MALE/ MIDDLE AGE/ TETRACYCLINE, therapeutic use
3255. Robinson AR, Henneberry GO, Common RH: Steroid estrogen conjugates of hens' urine: identification of radioactive estrone-beta-glucuronide, estradiol-17 beta-3-beta-glucuronide, estradiol-17 alpha-3-beta-glucuronide, estradiol-17 beta-3-sulphate and estradiol-17 alpha-3-sulphate estrone sulphate, as metabolites of injected (14C)estrone. Biochim Biophys Acta 326:93-102, 17 Oct 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CARBON RADIOISOTOPES/ CHICKENS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, urine/ *ESTRONE, metabolism/ ESTRONE, urine/ FEMALE/ *GLUCURONATES, urine/ GLUCURONIDASE/ STEREOISOMERS/ SULFATASES/ *SULFURIC ACIDS, urine/ TRITIUM
3256. Robinson IC, Walker JM: Proceedings: Assay of oxytocin on the superfused mouse mammary gland using an automatic apparatus. J Physiol (Lond) 234:6P-7P, Oct 73
ACETYLCHOLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ AUTOANALYSIS/ BIOLOGICAL ASSAY/ BRADYKININ, pharmacodynamics/ FEMALE/ HISTAMINE, pharmacodynamics/ IN VITRO/ *MAMMAE, drug effects/ MICE/ MUSCLE CONTRACTION, drug effects/ *OXYTOCIN, analysis/ PROSTAGLANDINS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL
3257. Robinson J, Stevenson PM: Proceedings: On the mechanism of action of luteinizing hormone on steroidogenesis. J Endocrinol 59:xlx-xx, Nov 73
ANIMAL EXPERIMENTS/ CHOLESTEROL, metabolism/ ELECTRONS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ *LH, pharmacodynamics/ MITOCHONDRIA, metabolism/ OVARY, metabolism/ RATS/ *STEROIDS, hiosynthesis
3258. Robison WG Jr, Charlton JS: Microtubules, microfilaments, and pigment movement in the chromatophores of Palaemonetes vulgaris (Crustacea). J Exp Zool 186:279-304, Dec 73
ANIMAL EXPERIMENTS/ *CHROMATOPHORES, cytology/ CHROMATOPHORES, drug effects/ CHROMATOPHORES, metabolism/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ CYTOPLASMIC GRANULES/ FEMALE/ MICROSCOPY, ELECTRON/ MICROTUBULES/ OVARY, cytology/ OVARY, drug effects/ OVARY, metabolism/ *PIGMENTS, metabolism/ SEAWATER/ *SHRIMP, cytology/ VINBLASTINE, pharmacodynamics
3259. Rodbell M, Lin MC, Salomon Y: Evidence for interdependent action of glucagon and nucleotides on the hepatic adenylate cyclase system. J Biol Chem 249:59-65, 10 Jan 74
*ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, hiosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CHROMATOGRAPHY, ION EXCHANGE/ *GLUCAGON, pharmacodynamics/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ IODINE RADIOISOTOPES/ KINETICS/ LIVER, cytology/ LIVER, drug effects/ *LIVER, enzymology/ PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ RATS/ RECEPTORS, HORMONE/ RECEPTORS, HORMONE, drug effects/ TIME FACTORS
3260. Rodger IW: Effects of Isoetharine on airways resistance, heart rate, and contractions of the soleus muscle of the anaesthetised cat. Eur J Pharmacol 24:211-7, Nov 73
*ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ *AIRWAY RESISTANCE, drug effects/ ALBUTEROL, pharmacodynamics/ *AMINO ALCOHOLS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ *BRONCHODILATOR AGENTS, pharmacodynamics/ CATECHOL, pharmacodynamics/ CATS/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ FEMALE/ *HEART RATE, drug effects/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ PROPANOLOL, pharmacodynamics/ PROPYLAMINES, pharmacodynamics/ SEROTONIN, antagonists & inhibitors/ SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL
3261. Rodriguez HJ, Walls J, Yates J, et al: Effects of acetazolamide on the urinary excretion of cyclic AMP and on the activity of renal adeny cyclase. J Clin Invest 53:122-30, Jan 74
ACETAZOLAMIDE, administration & dosage/ *ACETAZOLAMIDE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, urine/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BICARBONATES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KIDNEY CORTEX, drug effects/ KIDNEY CORTEX, enzymology/ KIDNEY CORTEX, metabolism/ NUCLEOTIDES/ PARATHYROID GLANDS, physiology/ PHOSPHATES, urine/ PHOSPHODIESTERASES, metabolism/ RATS
3262. Rodríguez R, Rojas-Ramírez JA, Drucker-Colín RR: Serotonin-like actions of quipazine on the central nervous system. Eur J Pharmacol 24:164-71, Nov 73
AMYGDALOID BODY, drug effects/ ANILIDES, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ CATS/ *CENTRAL NERVOUS SYSTEM, drug effects/ CINNAMATES, pharmacodynamics/ DRUG INTERACTIONS/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ FEMALE/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ PERFUSION/ PIPERAZINES, pharmacodynamics/ *QUINOLINES, pharmacodynamics/ RETICULAR FORMATION, drug effects/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ SLEEP, drug effects/ STEREOTYPED BEHAVIOR, drug effects/ SULFIDES, pharmacodynamics/ TIME FACTORS
3263. Rodríguez Cuartero A, Durán Cara E, Peláez Redondo J: Insuficiencias suprarrenales husefánicas. Rev Clin Esp 131:73-8, 15 Oct 73 (Spa)
*ADRENAL GLAND HYPOFUNCTION, chemically induced/ *ADRENAL GLANDS, drug effects/ ADULT/ *BUSULFAN, adverse effects/ BUSULFAN, therapeutic use/ FEMALE/ HUMAN/ *LEUKEMIA, MYELOCYTIC, drug therapy
3264. Rodríguez Cuartero A, Vilchez Medina J: Hipertensión

AUTHOR SECTION

- arterial paroxística por pseudofeocromocytoma.
Rev Clin Esp 131:131-6, 31 Oct 73 (Spa)
*ADRENAL GLAND DISEASES, complications/
ADULT/ CASE REPORT/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
*HYPERTENSION, etiology/
*PHEOCHROMOCYTOMA, diagnosis
3265. Roeder RG: Multiple forms of deoxyribonucleic acid-dependent ribonucleic acid polymerase in *Xenopus laevis*. Levels of activity during oocyte and embryonic development.
J Biol Chem 249:249-56, 10 Jan 74
ANIMAL EXPERIMENTS/ CELL NUCLEUS, enzymology/ CHROMATOGRAPHY, ION EXCHANGE/ DNA/ EMBRYO, cytology/
*EMBRYO, enzymology/ FEMALE/
FERTILIZATION/ *ISOENZYMES, metabolism/
KIDNEY, enzymology/ METAMORPHOSIS, BIOLOGICAL/ MUSHROOMS/ MYCOTOXINS, pharmacodynamics/ OLIGOPEPTIDES, pharmacodynamics/ ORGAN SPECIFICITY/ OVARY, drug effects/ OVARY, enzymology/
*OVUM, enzymology/ PEPTIDES, CYCLIC, pharmacodynamics/ *RNA POLYMERASE, metabolism/ SOLUBILITY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TIME FACTORS/ TRITIUM/ URACIL NUCLEOTIDES/ XENOPUS
3266. Roeder RG: Multiple forms of deoxyribonucleic acid-dependent ribonucleic acid polymerase in *Xenopus laevis*. Isolation and partial characterization.
J Biol Chem 249:241-8, 10 Jan 74
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CHROMATOGRAPHY, ION EXCHANGE/ EMBRYO, enzymology/ FEMALE/
GEL FILTRATION/ ISOENZYMES, isolation & purification/ ISOENZYMES, metabolism/
KIDNEY, enzymology/ KINETICS/
MAGNESIUM, pharmacodynamics/
MANGANESE, pharmacodynamics/
MUSHROOMS/ MYCOTOXINS, pharmacodynamics/ OLIGOPEPTIDES, pharmacodynamics/ ORGAN SPECIFICITY/ OSMOLAR CONCENTRATION/ OVARY, enzymology/ OVUM, enzymology/ PEPTIDES, CYCLIC, pharmacodynamics/ *RNA POLYMERASE, isolation & purification/ RNA POLYMERASE, metabolism/ SOLUBILITY/
SPECTROPHOTOMETRY, ULTRAVIOLET/
TRITIUM/ URACIL NUCLEOTIDES/
XENOPUS
3267. Roediger WE: A comparative study of the normal human neonatal and the canine thyroid C cell.
J Anat 115:255-76, Jul 73
ANIMAL EXPERIMENTS/ BASEMENT MEMBRANE/ CHOLINESTERASE, analysis/
COMPARATIVE STUDY/ CYTOPLASMIC GRANULES/ DOGS/ FEMALE/
GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/
HISTOCYTOCHEMISTRY/ HUMAN/
*INFANT, NEWBORN/ MALE/ MICROSCOPY, ELECTRON/ NADH, NADPH
OXIDOREDUCTASES, analysis/
STAINS AND STAINING/ *THYROID GLAND, cytology/
THYROID GLAND, enzymology
3268. Roffler-Tarlov S, Schildkraut JJ, Draskoczy PR: Effects of acute and chronic administration of desmethyldimpramine on the content of norepinephrine and other monoamines in the rat brain. *Biochem Pharmacol* 22:2923-6, 15 Nov 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/
BODY WEIGHT, drug effects/
BRAIN, enzymology/ *BRAIN CHEMISTRY, drug effects/
DESIPRAMINE, administration & dosage/ *DESIPRAMINE, pharmacodynamics/
DOPAMINE, analysis/
DOSE-RESPONSE RELATIONSHIP, DRUG/ INJECTIONS, INTRAPERITONEAL/ MALE/
*NOREPINEPHRINE, analysis/
ORGAN WEIGHT/ RATS/ SEROTONIN, analysis/
TIME FACTORS/ TRITIUM/ *TYROSINE HYDROXYLASE, metabolism
3269. Rogers MC, Abildskov JA, Preston JB: Neurogenic ECG changes in critically ill patients: an experimental model. *Crit Care Med* 1:192-6, Jul-Aug 73
ANIMAL EXPERIMENTS/ *CATS/ CENTRAL NERVOUS SYSTEM DISEASES, complications/
*CENTRAL NERVOUS SYSTEM DISEASES, physiopathology/
*DISEASE MODELS, ANIMAL/ ELECTRIC STIMULATION/
*ELECTROCARDIOGRAPHY/ FEMALE/
HYPOTHALAMUS, physiology/
LATERALITY/ MALE/ STELLATE GANGLION, physiology
3270. Rogoziński R, Grabski J, Torzecka W, et al: Wpływ działania insuliny i chloropropamidu na morfologię nadnerczy szczurów z cukrzycą alloxanową. *Endokrynol Pol* 24:363-70, Sep-Oct 73 (Pol)
ADRENAL GLANDS, drug effects/
*ADRENAL GLANDS, pathology/
*ALLOXAN DIABETES, drug therapy/
ALLOXAN DIABETES, pathology/
ANIMAL EXPERIMENTS/
*CHLORPROPAMIDE, pharmacodynamics/
CHLORPROPAMIDE, therapeutic use/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ *INSULIN, pharmacodynamics/
INSULIN, therapeutic use/
MALE/ RATS
3271. Roháček J: Schilddrüsenuntersuchung mit den Radionukliden J131 und Tc99m. *Radiobiol Radiother (Berl)* 14:383-6, 1973 (Ger)
ADULT/ CHILD/ ENGLISH ABSTRACT/
HUMAN/ *IODINE RADIOISOTOPES, diagnostic use/
METHODS/ *RADIOISOTOPE SCANNING/ *TECHNETIUM, diagnostic use/
*THYROID DISEASES, diagnosis/
THYROID GLAND FUNCTION TESTS
3272. Rohde K, Sandland R: Host-parasite relations in *Lobatostoma manteri* Rohde (Trematoda: Aspidogastrea). *Z Parasitenkd* 42:115-36, 1973
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CONNECTIVE TISSUE/ *ECOLOGY/
EPITHELIUM/ FEMALE/
GASTROINTESTINAL SYSTEM/
HYPERPLASIA/ MALE/ NECROSIS/ OVARY/
PARASITES/ REPRODUCTION/ *SNAILS, anatomy & histology/
TESTIS/ *TREMATODA
3273. Roitrub BA, Zlatin RS: Dosлідження roll khemoretseptivnykh struktur zadn'oho hipotalamusa v zminі teplostіkosti bilkiv plazmy krovi. *Fiziol Zh* 19:601-7, Sep-Oct 73 (Ukr)
ANIMAL EXPERIMENTS/ *BLOOD PROTEINS, physiology/
BODY TEMPERATURE REGULATION, drug effects/
ELECTRIC STIMULATION/ ENGLISH ABSTRACT/
HEAT/ HYPOTHALAMUS, drug effects/
*HYPOTHALAMUS, physiology/
RABBITS/ SCOPOLAMINE, pharmacodynamics
3274. Rokkanen P, Alho A, Avikainen V, et al: The efficacy of corticosteroids in severe trauma. *Surg Gynecol Obstet* 138:69-73, Jan 74
BLOOD PRESSURE, drug effects/
BLOOD SUGAR, analysis/
BLOOD TRANSFUSION/
BLOOD UREA NITROGEN/ CREATININE, blood/
EMBOLISM, FAT, complications/
EOSINOPHILS/ HEMORRHAGE, GASTROINTESTINAL, therapy/
HEPARIN, therapeutic use/
HUMAN/ INJECTIONS, INTRAVENOUS/ LACTATES, blood/
LEUKOCYTE COUNT/
METHYLPREDNISOLONE, administration & dosage/
*METHYLPREDNISOLONE, therapeutic use/
POTASSIUM, urine/
*SHOCK, TRAUMATIC, drug therapy/
SODIUM, urine/
SULFOBROMOPHTHALEIN, diagnostic use
3275. Rolls BA, Porter JW: Variation in the intestinal dipeptidase activity during pregnancy and lactation in the rat. *Proc Nutr Soc* 32:49A, May 73
ANIMAL EXPERIMENTS/ DIGESTION/
*DIPEPTIDASES, metabolism/
FEEDING BEHAVIOR/ FEMALE/ INTESTINAL ABSORPTION/
*INTESTINES, enzymology/
*LACTATION/ PREGNANCY/
*PREGNANCY, ANIMAL/ RATS/ TIME FACTORS
3276. Rolls RJ, McFarland DJ: Hydration releases inhibition of feeding produced by intracranial angiotensin. *Physiol Behav* 11:881-4, Dec 73
ANGIOTENSIN, administration & dosage/
*ANGIOTENSIN, pharmacodynamics/
ANIMAL

AUTHOR SECTION

- EXPERIMENTS/ CONDITIONING, OPERANT/
*DRINKING/ DRINKING BEHAVIOR, drug
effects/ *EATING, drug effects/ FEEDING
BEHAVIOR, drug effects/ FOOD
DEPRIVATION/ *HYPOTHALAMUS, drug
effects/ HYPOTHALAMUS, physiology/
INHIBITION (PSYCHOLOGY), drug effects/
ISOTONIC SOLUTIONS/ MALE/ RATS/
REWARD/ SATIATION, drug effects/ SODIUM
CHLORIDE, pharmacodynamics/ THIRST, drug
effects/ WATER/ WATER-ELECTROLYTE
BALANCE, drug effects
3277. Rom-Bugoslavs'ka OS: Otsinka inotropnykh vplyviv
khlorystoho kal'tsiu ta kovelnu na mlokard khvorykh
na tyreotoksykoz. *Fiziol Zh* 19:402-6, May-Jun 73 (Ukr)
*CAFFEINE, therapeutic use/ *CALCIUM
CHLORIDE, therapeutic use/ *HEART, drug
effects/ HUMAN/ *HYPERTHYROIDISM, drug
therapy
3278. Rom-Bugoslavskala ES, Levchenko TP: Srovnitel'naya
kharakteristika antitardimicheskoi aktivnosti
nekotorykh preparatov, primeniamykh pri
tireotoksicheskom mertsanii predserdii.
Vrach Delo 8:62-4, Aug 73 (Rus)
ADRENERGIC BETA RECEPTOR
BLOCKADERS, therapeutic use/ AURICULAR
FIBRILLATION, complications/ *AURICULAR
FIBRILLATION, drug therapy/
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ HUMAN/ *HYPERTHYROIDISM,
complications/ PROCAINE AMIDE, therapeutic
use/ PROPRANOLOL, therapeutic use/
RESERPINE, therapeutic use
3279. Romanenko VD: Volyv vitaminu D3 na elektrilnyi
ohmin i zhovchoutvorluval'nu funktsiu pechinky.
Fiziol Zh 19:369-72, May-Jun 73 (Ukr)
ANIMAL EXPERIMENTS/ *BILE, secretion/
ENGLISH ABSTRACT/ *LIVER, secretion/
RATS/ *VITAMIN D, pharmacodynamics/
*WATER-ELECTROLYTE BALANCE, drug
effects
3280. Romani L, Milano C, Ticca F: Considerazioni sulla
terapia della pertosse.
Minerva Pediatr 25:1436-41, 6 Oct 73 (Ita)
ANTIBIOTICS, therapeutic use/ CHILD/
CHILD, PRESCHOOL/ CORTISONE,
therapeutic use/ ENGLISH ABSTRACT/
FEMALE/ GAMMA GLOBULIN, therapeutic
use/ HUMAN/ INFANT/ INFANT, NEWBORN/
MALE/ WHOOPING COUGH, drug therapy/
*WHOOPING COUGH, therapy
3281. Romaniuk A, Brudzyński S, Grońska J: The effect of
chemical blockade of hypothalamic cholinergic
system on defensive reactions in cats.
Acta Physiol Pol 24:809-16, Nov-Dec 73
*ANGER, drug effects/ ANIMAL
EXPERIMENTS/ ATROPINE,
pharmacodynamics/ BEHAVIOR, ANIMAL, drug
effects/ CARBACHOL, pharmacodynamics/
CATS/ *CHEMORECEPTORS, drug effects/
*FEAR, drug effects/ *HYPOTHALAMUS,
drug effects/ MALE/
*PARASYMPATHOLYTICS, pharmacodynamics/
*PARASYMPATHOMIMETICS,
pharmacodynamics/ TUBOCURARINE,
pharmacodynamics
3282. Romaskevich OI, Troits'kil GV: Doslidzhennia
elektroforetychnoi rukhomosti bilkiv syrovatky krovi
za tyreoidnoho toksikozu i hipotyreozy.
Ukr Biokhim Zh 45:432-4, Jul-Aug 73 (Ukr)
*BLOOD PROTEIN ELECTROPHORESIS/
*BLOOD PROTEINS, analysis/ ENGLISH
ABSTRACT/ HUMAN/ *HYPERTHYROIDISM,
blood/ *HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, etiology/
THYROIDECTOMY
3283. Romshe CA, Sotos JF: Letter: Hypothalamo-pituitary
dysfunction in siblings of patients with
holoprosencephaly. *J Pediatr* 83:1088-90, Dec 73
*ABNORMALITIES, familial & genetic/
*GROWTH DISORDERS, physiopathology/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
physiopathology/ *LIMBIC SYSTEM,
abnormalities/ PITUITARY-ADRENAL
FUNCTION TESTS
3284. Romslo I, Flatmark T: Energy-dependent accumulation
of iron by isolated rat liver mitochondria. II.
Relationship to the active transport of Ca^{2+} .
Biochim Biophys Acta 325:38-46, 19 Oct 73
ANIMAL EXPERIMENTS/ BINDING SITES/
BIOLOGICAL TRANSPORT, drug effects/
BIOLOGICAL TRANSPORT, ACTIVE/
*CALCIUM, metabolism/ CALCIUM,
pharmacodynamics/ CARBON
RADIOISOTOPES/ CHLOROBENZENES,
pharmacodynamics/ COBALT,
pharmacodynamics/ DYES, pharmacodynamics/
HYDRAZONES, pharmacodynamics/ *IRON,
metabolism/ IRON RADIOISOTOPES/
LANTHANUM, pharmacodynamics/
MITOCHONDRIA, LIVER, drug effects/
*MITOCHONDRIA, LIVER, metabolism/
NITRILES, pharmacodynamics/
ORGANOMETALLIC COMPOUNDS,
pharmacodynamics/ POLYAMINES,
pharmacodynamics/ RATS/ RUTHENIUM,
pharmacodynamics/ SPECTROPHOTOMETRY/
SUCROSE, metabolism/ SULFHYDRYL
REAGENTS, pharmacodynamics/ UNCOUPLING
AGENTS, pharmacodynamics
3285. Root AW: Endocrinology of puberty. I. Normal sexual
maturation. *J Pediatr* 83:1-19, Jul 73 (111 ref.)
ADOLESCENCE/ ADRENAL GLANDS,
physiology/ ANDROGENS, physiology/
BREAST, growth & development/ CHILD/
*ENDOCRINE GLANDS, physiology/
ESTROGENS, physiology/ FEEDBACK/
FEMALE/ FSH, physiology/ *GENITALIA,
growth & development/ GONADS, physiology/
GROWTH/ HAIR, growth & development/
HUMAN/ HYPOTHALAMO-HYPOPHYSEAL
SYSTEM/ HYPOTHALAMUS, physiology/ LH,
physiology/ MALE/ MENARCHE/ PINEAL
BODY, physiology/ PITUITARY GLAND,
physiology/ PITUITARY HORMONE
RELEASING HORMONES, physiology/
*PUBERTY/ REVIEW/ SEX
CHARACTERISTICS/ SOMATOTROPIN,
physiology/ THYROID GLAND, physiology/
THYROID HORMONES, physiology
3286. Root AW, Duckett GE: In vivo and in vitro effects of
synthetic luteinizing hormone-releasing hormone
(LH-RH) upon the secretion of luteinizing hormone
(LH) and follicle stimulating hormone (FSH) in intact
and castrated, fed and starved adult male rats.
Proc Soc Exp Biol Med 144:30-3, 1 Oct 73
ANIMAL EXPERIMENTS/ CASTRATION/ FSH,
blood/ *FSH, secretion/ IN VITRO/ LH,
blood/ *LH, secretion/ *LH-FSH RELEASING
HORMONE, pharmacodynamics/ MALE/
*PITUITARY GLAND, secretion/
RADIOIMMUNOASSAY/ RATS/ *STARVATION,
blood
3287. Roques M, Torresani J, Bouchilloux S, et al: Sodium
dodecyl sulfate-polyacrylamide gel electrophoresis of
thyroglobulin-related components synthesized in
vitro. *Biochim Biophys Acta* 322:437-47, 18 Oct 73
ADSORPTION/ AMINO ACIDS/ ANIMAL
EXPERIMENTS/ ANTIBODIES/ CARBON
RADIOISOTOPES/ CENTRIFUGATION,
DENSITY GRADIENT/ COMPARATIVE
STUDY/ CYTOSOL, metabolism/ DIGITONIN/
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ GOLGI APPARATUS, metabolism/
MICROSOMES, metabolism/ *MICROSOMES,
metabolism/ MOLECULAR WEIGHT/
MONOSACCHARIDES/ PRECIPITIN TESTS/
RABBITS, immunology/ *SHEEP/ SODIUM
DODECYL SULFATE/ SOLUBILITY/
*THYROGLOBULIN, analysis/
THYROGLOBULIN, biosynthesis/ THYROID
GLAND, cytology/ *THYROID GLAND,
metabolism/ TIME FACTORS
3288. Rorive GL: Mécanisme d'action des diurétiques de type
antialdostérone.
Acta Cardiol (Brux) Suppl 17:291-3, 1973 (Fre)
*ALDOSTERONE, antagonists & inhibitors/
ALDOSTERONE, pharmacodynamics/

AUTHOR SECTION

- AMILORIDE, pharmacodynamics/ DIURESIS, drug effects/ *DIURETICS, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY, drug effects/ MINERALOCORTICOIDS, pharmacodynamics/ SPIRONOLACTONE, pharmacodynamics/ TRIAMTERENE, pharmacodynamics
3289. Rościszewska D: W sprawie stosowania doustnego preparatu antykoncepcyjnego Femigen-Polfa u kobiet c horych na padaczkę. Neurol Neurochir Pol 7:715-7, Sep-Oct 73 (Pol) ADULT/ *CHLORMADINONE, adverse effects/ CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, adverse effects/ CONVULSIONS, chemically induced/ DIETHYLSTILBESTROL, adverse effects/ DIETHYLSTILBESTROL, therapeutic use/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *EPILEPSY, complications/ *EPILEPSY, GRAND MAL, complications/ *EPILEPSY, TEMPORAL LOBE, complications/ FEMALE/ HUMAN/ MENSTRUATION/ MENSTRUATION DISORDERS, drug therapy/ *MESTRANOL, adverse effects/ PREGNANCY/ PREGNANCY, UNWANTED
3290. Rose B: Immunotherapy. Areas of doubt. Med Clin North Am 58:127-33, Jan 74 (26 ref.) ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ADULT/ ANTIBODIES/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGENS, administration & dosage/ ASTHMA, blood/ ASTHMA, therapy/ DESENSITIZATION/ EOSINOPHILS, analysis/ HAY FEVER, blood/ HAY FEVER, therapy/ HISTAMINE LIBERATION/ HUMAN/ *HYPERSENSITIVITY, therapy/ IGE, analysis/ IGG/ *IMMUNOTHERAPY, standards/ REVIEW
3291. Rose JD: Pontine unit responses to genital stimulation in estrous and anestrous cats. Brain Res 62:291-6, 9 Nov 73 ANIMAL EXPERIMENTS/ BRAIN MAPPING/ CATS/ CEREBRAL CORTEX DECONTICATION/ ELECTROENCEPHALOGRAPHY/ ESTRADIOL, pharmacodynamics/ *ESTRUS, drug effects/ FEMALE/ PHYSICAL STIMULATION/ *PONS, anatomy & histology/ PONS, physiology/ *VAGINA, innervation
3292. Rose NR, Vladutiu AO, David CS, et al: Autoimmune murine thyroiditis. V. Genetic influence on the disease in BSVS and BRVR mice. Clin Exp Immunol 15:281-7, Oct 73 ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ *AUTOIMMUNE DISEASES, familial & genetic/ CHROMOSOME MAPPING/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ GRAFT REJECTION/ IMMUNITY, CELLULAR, drug effects/ ISOANTIGENS, analysis/ MICE/ MICE, INBRED STRAINS/ SKIN, transplantation/ THYROGLOBULIN/ THYROID GLAND, pathology/ *THYROIDITIS, familial & genetic/ THYROIDITIS, Immunology/ TRANSPLANTATION, HOMOLOGOUS
3293. Rosen P, Boris A, Karasiewicz R: Synthesis and biological activity of some 6,7-dihalo-delta5-pregnenes and some 6,6-dihalo-5,7-cyclo-5beta-pregnane derivatives. J Med Chem 17:182-4, Feb 74 ANIMAL EXPERIMENTS/ CYCLOSTEROIDS, chem synthesis/ CYCLOSTEROIDS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *PREGNANES, chem synthesis/ PREGNANES, pharmacodynamics/ *PREGNANES, chem synthesis/ PREGNANES, pharmacodynamics/ *PROGESTATIONAL HORMONES, chem synthesis/ PROGESTATIONAL HORMONES, pharmacodynamics/ RABBITS/ STEROIDS, CHLORINATED, chem synthesis/ STEROIDS, CHLORINATED, pharmacodynamics/ STEROIDS, FLUORINATED, chem synthesis/ STEROIDS, FLUORINATED, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, drug effects
3294. Rosenberg IN: Newer methods for evaluating thyroid nodules. CA 23:281-3, Sep-Oct 73 ANGIOGRAPHY/ HUMAN/ METHODS/ RADIOISOTOPE SCANNING/ THERMOGRAPHY/ *THYROID DISEASES, diagnosis/ THYROID GLAND, radiography/ *THYROID NEOPLASMS, diagnosis/ ULTRASONICS, diagnostic use
3295. Rosenfeld JP, Hetzler BE: Discrimination and conditioning of photic evoked cortical macropotentials in the albino rat. Physiol Behav 11:753-65, Dec 73 ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, physiology/ *CONDITIONING, OPERANT/ *DISCRIMINATION/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ *EVOKED POTENTIALS/ HYPOTHALAMUS, physiology/ MALE/ PHOTIC STIMULATION/ RATS/ REINFORCEMENT SCHEDULE/ REWARD/ VISUAL CORTEX, physiology
3296. Rosenfeld L: "Free thyroxine index". A reliable substitute for "free" thyroxine concentration. Am J Clin Pathol 61:118-21, Jan 74 BLOOD/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ IODINE RADIOISOTOPES/ METHODS/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ SCINTILLATION COUNTERS/ THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN/ TRIIODOTHYRONINE, blood
3297. Rosenheck K, Schneider AS: Circular dichroism of chromaffin granule proteins in situ: analysis of turbidity effects and protein conformation. Proc Natl Acad Sci USA 70:3458-62, Dec 73 CELL FRACTIONATION/ CELL MEMBRANE, analysis/ *CHROMAFFIN SYSTEM, analysis/ CHROMAFFIN SYSTEM, cytology/ CIRCULAR DICHROISM/ CYTOPLASMIC GRANULES, analysis/ OPTICAL ROTATORY DISPERSION/ PROTEIN CONFORMATION/ SPECTROPHOTOMETRY, ULTRAVIOLET
3298. Rösler H, Kinser J: The leakage phenomenon in thyroid nodules. Acta Endocrinol [Suppl] (Kbh) 80-1, 1973 ADENOCARCINOMA, metabolism/ *ADENOMA, metabolism/ HUMAN/ IODINE RADIOISOTOPES/ PROTEIN-BOUND IODINE TEST/ RADIOISOTOPE SCANNING/ TECHNETIUM/ *THYROID GLAND, metabolism/ *THYROID NEOPLASMS, metabolism/ THYROTROPIN, diagnostic use
3299. Rosset E, Scherrer JR, Veyrat R: Increased plasma renin substrate concentration in human malignant hypertension. Helv Med Acta 37:235-50, Oct 73 ADULT/ ANGIOTENSIN, metabolism/ AUTOPSY/ *DESOXYCORTICOSTERONE/ DIET, SALT-FREE/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, blood/ *HYPERTENSION, MALIGNANT, blood/ *HYPERTENSION, MALIGNANT, urine/ KIDNEY FAILURE, CHRONIC, blood/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ *RENIN, blood/ RENIN, metabolism/ SODIUM, urine
3300. Rossier G, Pierrepont CG: The metabolism in vitro of C21- and C19-steroids by pregnant sheep myometrium. J Reprod Fertil 36:169-76, Jan 74 *ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GESTATIONAL AGE/ HYDROXYPROGESTERONE, metabolism/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ IN VITRO/ LYASES, metabolism/ MOLECULAR WEIGHT/ MUSCLE, SMOOTH, metabolism/ PREGNANCY/ PREGNANEDIOL, metabolism/ *PREGNANES, metabolism/ PROGESTERONE, metabolism/ SHEEP/

AUTHOR SECTION

TESTOSTERONE, metabolism/ TRITIUM/
*UTERUS, metabolism

3301. Rössler R, Klaus D, Klumpp F, et al:
Nebennierenrinden-Karzinom mit
Mineralokortikoidismus, erhöhter
Plasmarenin-Aktivität und normalem
Plasma-Aldosteron.
Med Welt 24:1644-7, 26 Oct 73 (Ger)
*ADRENAL GLAND HYPERFUNCTION, blood/
ADRENAL GLAND HYPERFUNCTION,
complications/ *ADRENAL GLAND
NEOPLASMS, blood/ ADRENAL GLAND
NEOPLASMS, complications/ *ALDOSTERONE,
blood/ HUMAN/ MALE/ MIDDLE AGE/
MINERALOCORTICIDS, secretion/ *RENIN,
blood

3302. Rössler R, Klaus D: Die Regulation der Reninsekretion.
II. Die integrierende Funktion des juxtaglomerulären
Apparates. Med Welt 24:1356-9, 7 Sep 73 (Ger)
HEART FAILURE, CONGESTIVE,
physiopathology/ HUMAN/
HYPERALDOSTERONISM, physiopathology/
HYPERTENSION, physiopathology/
HYPOPROTEINEMIA, physiopathology/
JUXTAGLOMERULAR APPARATUS,
physiology/ *JUXTAGLOMERULAR
APPARATUS, physiopathology/ KIDNEY
FAILURE, ACUTE, physiopathology/ KIDNEY
FAILURE, CHRONIC, physiopathology/ LIVER
CIRRHOSIS, physiopathology/
POLYCYTHEMIA, physiopathology/ RENIN,
blood/ *RENIN, secretion

3303. Rössner S: The intravenous fat tolerance test with
intralipid in various types of hyperlipidaemias and
comparison between metabolism of intralipid and
VLDL. Adv Exp Med Biol 38:69-85, 1973
CHOLESTEROL, blood/ COMPARATIVE
STUDY/ ESTROGENS, pharmacodynamics/
HEPARIN, pharmacodynamics/ HUMAN/
HYPERLIPEMIA, drug therapy/
*HYPERLIPEMIA, metabolism/ INJECTIONS,
INTRAVENOUS/ KINETICS/ LIPIDS, blood/
LIPIDS, diagnostic use/ *LIPIDS, metabolism/
*LIPOPROTEINS, VLDL, metabolism/
*METABOLIC CLEARANCE RATE/
NICOTINIC ACID, therapeutic use/
OXANDROLONE, therapeutic use/
THYRONINE, therapeutic use

3304. Rostad H: Colonic motility in the cat. 3. Influence of
hypothalamic and mesencephalic stimulation.
Acta Physiol Scand 89:104-15, Sep 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/
CATS/ *COLON, innervation/ COLON,
physiology/ ELECTRIC STIMULATION/
FEMALE/ *GASTROINTESTINAL MOTILITY/
*HYPOTHALAMUS, physiology/ MALE/
*MESENCEPHALON, physiology/ MUSCLE,
SMOOTH, physiology/ PULSE

3305. Rostad H: Colonic motility in the cat. IV. Peripheral
pathways mediating the effects induced by
hypothalamic and mesencephalic stimulation.
Acta Physiol Scand 89:154-68, Oct 73
ANIMAL EXPERIMENTS/ ATROPINE,
pharmacodynamics/ AUTONOMIC NERVE
BLOCK/ BLOOD PRESSURE/ CATS/ COLON,
drug effects/ *COLON, innervation/
DEPRESSION, CHEMICAL/ ELECTRIC
STIMULATION/ EVOKED POTENTIALS/
FEMALE/ *GASTROINTESTINAL MOTILITY,
drug effects/ GUANETHIDINE,
pharmacodynamics/ *HYPOTHALAMUS,
physiology/ LATERALITY/ MALE/
*MESENCEPHALON, physiology/
*PERIPHERAL NERVES, physiology/
PHENOXYBENZAMINE, pharmacodynamics/
PROPRANOLOL, pharmacodynamics/
STIMULATION, CHEMICAL

3306. Rostad H: Colonic motility in the cat. V. Influence of
telencephalic stimulation and the peripheral
pathways mediating the effects.
Acta Physiol Scand 89:169-81, Oct 73
*AMYGDALOID BODY, physiology/
ANESTHESIA/ ANIMAL EXPERIMENTS/
AUTONOMIC NERVE BLOCK/ AUTONOMIC

NERVOUS SYSTEM, physiology/ BLOOD
PRESSURE/ CATS/ *CEREBRAL CORTEX,
physiology/ *COLON, innervation/ ELECTRIC
STIMULATION/ FEMALE/
*GASTROINTESTINAL MOTILITY/ MALE/
NEURAL INHIBITION/ *OLFACTORY BULB,
physiology/ PENTOBARBITAL/ *PERIPHERAL
NERVES, physiology/ SEPTAL NUCLEI,
physiology

3307. Roth B, Nevšimál O, Soumar J, et al: EEG studie
hypertyreózu a hypotyreózu.
Cesk Neurol Neurochir 36:284-93, Oct 73 (Cze)
ADULT/ ELECTROENCEPHALOGRAPHY/
ENGLISH ABSTRACT/ EVOKED
POTENTIALS/ FEMALE/ HUMAN/
*HYPERTHYROIDISM, physiopathology/
*HYPOTHYROIDISM, physiopathology/ MALE

3308. Roth GD, Hsien SL, Liu FT: Effect of contraceptive on
the periodontal tissue of rats.
J Periodont Res 7:315-22, 1972
*ALVEOLAR PROCESS, drug effects/
ANIMAL EXPERIMENTS/ BONE
RESORPTION, chemically induced/
*CONTRACEPTIVES, ORAL,
pharmacodynamics/ FEMALE/ *GINGIVA, drug
effects/ MANDIBULAR DISEASES, chemically
induced/ *MESTRANOL, pharmacodynamics/
*NORETHYNODREL, pharmacodynamics/ RATS

3309. Roth GS: Age-related changes in specific
glucocorticoid binding by steroid-responsive tissues
of rats. Endocrinology 91:82-90, Jan 74
*ADIPOSE TISSUE, metabolism/
ADRENALECTOMY/ *AGING/ ANIMAL
EXPERIMENTS/ BINDING SITES/ *BRAIN,
metabolism/ CYTOPLASM/ CYTOSOL/
DEXAMETHASONE, blood/
*DEXAMETHASONE, metabolism/
EPIDIDYMIIS/ HYDROCORTISONE, blood/
*HYDROCORTISONE, metabolism/ *LIVER,
metabolism/ MALE/ *MUSCLES, metabolism/
*PROSTATE, metabolism/ RATS/ TRITIUM

3310. Roth JJ, Jones RE, Gerrard AM: Corpora lutea and
oviposition in the lizard Sceloporus undulatus.
Gen Comp Endocrinol 21:569-72, Dec 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM,
physiology/ FEMALE/ FSH,
pharmacodynamics/ GRAAFIAN FOLLICLE,
drug effects/ *LIZARDS, physiology/
*OVIPOSITION/ TIME FACTORS

3311. Rotkina IE: Soderzhanie nadpochechnikovykh
gormonov v plazme krovi i moche pri lechenii
éstrógen-gestagennymi preparatami.
Akush Ginekol (Mosk) 49:63-6, Aug 73 (Rus)
ADOLESCENCE/ *ADRENAL CORTEX
HORMONES, blood/ ADRENAL CORTEX
HORMONES, urine/ ADULT/ DRUG
COMBINATIONS/ ENDOMETRIAL
HYPERPLASIA, drug therapy/
ENDOMETRIOSIS, drug therapy/
ESTROGENS, therapeutic use/ FEMALE/
HUMAN/ MIDDLE AGE/ *PROGESTERONE,
therapeutic use

3312. Rouffignac C de, Bonvalet JP, Menard J: Renin content
in superficial and deep glomeruli of normal and
salt-loaded rats. Am J Physiol 226:150-4, Jan 74
ANIMAL EXPERIMENTS/ FEMALE/ KIDNEY
GLOMERULUS, drug effects/ *KIDNEY
GLOMERULUS, metabolism/
RADIOIMMUNOASSAY/ RATS/ *RENIN,
metabolism/ *SODIUM CHLORIDE,
pharmacodynamics

3313. Roufogalis BD, Quist EE, Wickson VM: Effect of
ligands on a discontinuous temperature dependence
of the decarboxylation reaction of erythrocyte
acetylcholinesterase.
Biochim Biophys Acta 321:536-45, 10 Oct 73
*ACETYLCHOLINESTERASE, blood/
ALLOSTERIC REGULATION/ AMMONIUM
COMPOUNDS, pharmacodynamics/ BINDING
SITES/ CALCIUM, pharmacodynamics/
CARBAMATES/ CARBON RADIOISOTOPES/
CATTLE/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ ERYTHROCYTES,

AUTHOR SECTION

- drug effects/ *ERYTHROCYTES, enzymology/
GALLAMINE TRIETHIODIDE,
pharmacodynamics/ IODINE,
pharmacodynamics/ KINETICS/ LIGANDS/
MAGNESIUM, pharmacodynamics/
MATHEMATICS/ PHOSPHOLIPASE/
POTASSIUM CHLORIDE, pharmacodynamics/
PROTEIN BINDING/ SODIUM CHLORIDE,
pharmacodynamics/ TEMPERATURE/
THERMODYNAMICS
3314. Roulet C, Duperray B, Pacheco H, et al: Etude de l'action d'un coronarodilatateur: le chlorhydrate d'(isoamyloxy-3 (tr)methoxy-3,4,5 benzoyloxy)-propyl)-4 tétrahydro-oxazine-1,4 (amoproxan) sur le métabolisme de dérivés adényliques.
Therapie 28:353-65, Mar-Apr 73 (Fre)
ACTOMYOSIN, metabolism/ *ADENOSINE, metabolism/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ *ADENOSINE TRIPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ AMINOHYDROLASES, metabolism/ ANIMAL EXPERIMENTS/ BENZOATES, pharmacodynamics/ DUODENUM, enzymology/ ELECTROLYTES, blood/ ENGLISH ABSTRACT/ ERYTHROCYTES, enzymology/ ETHERS, pharmacodynamics/ HEART, drug effects/ *MORPHOLINES, pharmacodynamics/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ NUCLEOTIDASES, metabolism/ OUABAIN, antagonists & inhibitors/ PAPAVERINE, pharmacodynamics/ PHOSPHODIESTERASES, antagonists & inhibitors/ RABBITS/ RATS/ *VASODILATOR AGENTS, pharmacodynamics
3315. Rousseau GG, Baxter JD, Higgins SJ, et al: Steroid-induced nuclear binding of glucocorticoid receptors in intact hepatoma cells.
J Mol Biol 79:539-54, 25 Sep 73
BINDING SITES/ CELL FRACTIONATION/ *CELL NUCLEUS, metabolism/ CELLS, CULTURED/ CHROMATOGRAPHY, THIN LAYER/ COMPARATIVE STUDY/ *CORTICOSTERONE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOSOL, metabolism/ DACTINOMYCIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION/ *HEPATOMA, metabolism/ HEPATOMA, pathology/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ LIVER, drug effects/ LIVER, pathology/ *PROGESTERONE, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE, drug effects/ TEMPERATURE/ TIME FACTORS/ TRITIUM/ TYROSINE AMINOTRANSFERASE, biosynthesis
3316. Rovenský J, Záhejský J: Sledování vasokonstričního působení steroidních extern pomac 571 remitometrické fotopletysmografie.
Cesk Dermatol 48:361-6, Dec 73 (Cze)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ *BLOOD VESSELS, drug effects/ CHILD/ COLOR/ ENGLISH ABSTRACT/ HUMAN/ LIGHT/ METHODS/ PLETHYSMOGRAPHY, IMPEDANCE/ *SKIN, blood supply/ *VASOCONSTRICTOR AGENTS, pharmacodynamics
3317. Rovere F: Studio clinico sociale sulle ovariosi policistiche secondarie. Considerazioni su 50 casi.
Minerva Ginecol 25:597-606, Oct 73 (Ita)
ADNEXITIS, diagnosis/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENDOMETRIOSIS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HIRSUTISM, etiology/ HUMAN/ LEIOMYOMA, diagnosis/ LEUKORRHEA, etiology/ MENSTRUATION DISORDERS, etiology/ STEIN-LEVENTHAL SYNDROME, complications/ *STEIN-LEVENTHAL SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, therapy/ STERILITY, FEMALE, etiology/ UTERINE PROLAPSE, diagnosis
3318. Rovis L, Anderson B, Kabat EA, et al: Structures of oligosaccharides produced by base-borohydride degradation of human ovarian cyst blood group H, Le-b and Le-a active glycoproteins.
Biochemistry 12:5340-54, 18 Dec 73
*BLOOD GROUPS/ BOROHYDRIDES/ CHEMISTRY/ CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ DIALYSIS/ DISACCHARIDES, analysis/ GEL FILTRATION/ GENES/ *GLYCOPROTEINS, analysis/ GLYCOPROTEINS, biosynthesis/ HEXOSAMINES, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LEWIS BLOOD-GROUP SYSTEM/ METHYLATION/ *OLIGOSACCHARIDES, analysis/ OLIGOSACCHARIDES, biosynthesis/ OLIGOSACCHARIDES, isolation & purification/ *OVARIAN CYSTS, metabolism/ OXIDATION-REDUCTION/ PERIODIC ACIDS/ SUGAR ALCOHOLS, analysis
3319. Rowe DW, McGoodwin EB, Martin GR, et al: A sex-linked defect in the cross-linking of collagen and elastin associated with the mottled locus in mice.
J Exp Med 139:180-92, 1 Jan 74
ANIMAL EXPERIMENTS/ AORTIC ANEURYSM, familial & genetic/ BONE AND BONES, abnormalities/ *COLLAGEN/ COLLAGEN, analysis/ *ELASTIN/ FEMALE/ *GENES/ *LINKAGE (GENETICS)/ MALE/ MICE/ *SEX CHROMOSOME ABNORMALITIES/ SKIN, abnormalities/ SKIN, analysis
3320. Rowiński J: Komórki wewnątrzwydzielnicze żołądka 1 jelit.
Pol Arch Med Wewn 50:1097-102, 1973 (45 ref.) (Pol)
CHROMAFFIN SYSTEM, cytology/ CHROMAFFIN SYSTEM, physiology/ GASTRIN, physiology/ *GASTROINTESTINAL HORMONES, secretion/ GASTROINTESTINAL MOTILITY/ HISTAMINE, physiology/ HUMAN/ *INTESTINES, cytology/ INTESTINES, physiology/ INTESTINES, secretion/ REVIEW/ SECRETIN, physiology/ SEROTONIN, physiology/ *STOMACH, cytology/ STOMACH, physiology/ STOMACH, secretion
3321. Rozengurt E, Jimenez de Asua L: Role of cyclic 3':5'-adenosine monophosphate in the early transport changes induced by serum and insulin in quiescent fibroblasts. Proc Natl Acad Sci USA 70:3609-12, Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT, drug effects/ *BLOOD/ CELLS, CULTURED/ DEPRESSION, CHEMICAL/ DRUG SYNERGISM/ *FIBROBLASTS, metabolism/ INSULIN, antagonists & inhibitors/ *INSULIN, pharmacodynamics/ KINETICS/ MICE/ PHOSPHATES, metabolism/ PHOSPHORUS RADIOISOTOPES/ PROTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TRITIUM/ URIDINE, metabolism
3322. Ruckhäberle B, Bilek K, Ruckhäberle KE: Zur Klinik der Trophoblasttumoren.
Zentralbl Gynaekol 95:1142-7, 17 Aug 73 (Ger)
ABORTION, THERAPEUTIC/ ADULT/ *CHORIOCARCINOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ *HYDATIDIFORM MOLE, pathology/ HYDATIDIFORM MOLE, therapy/ HYSTERECTOMY/ MIDDLE AGE/ POSTOPERATIVE CARE/ PREGNANCY/ PREGNANCY COMPLICATIONS/ *TROPHOBLASTIC TUMOR, pathology
3323. Ruckhäberle KE, Bilek K, Ruckhäberle B: Histochemische Untersuchungen an Brenner-Tumoren. (Beitrag zu den histogenetischen Beziehungen zwischen Brenner-Tumor und muzinösem Zystadenom).
Zentralbl Gynaekol 95:1148-54, 17 Aug 73 (Ger)
AMINOSALICYLIC ACID/ *BRENNER TUMOR, pathology/ COMPARATIVE STUDY/ *CYSTADENOMA, MUCINOUS, pathology/ ENGLISH ABSTRACT/ FEMALE/ GLYCOGEN, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/

AUTHOR SECTION

*OVARIAN NEOPLASMS, pathology/ STAINS AND STAINING

3324. Ruckhäberle KE, Vliehweg B, Willgerodt H, et al: Histochemische und biochemische Fermentuntersuchungen an der Plazenta nach Glukoseinfusion an die Mutter. Zentralbl Gynsekol 95:1217-25, 1 Sep 73 (Ger)
ALDOLASE, analysis/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE, administration & dosage/ *GLUCOSE, pharmacodynamics/ GLUCOSEPHOSPHATASE, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLUTAMATE DEHYDROGENASE, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ INJECTIONS, INTRAVENOUS/ ISOCITRATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE, analysis/ *PLACENTA, enzymology/ PREGNANCY/ PREGNANCY TOXEMIAS, enzymology/ SUCCINATE DEHYDROGENASE, analysis

3325. Rudolph AM, Heymann MA: Cardiovascular function in the mammalian foetus.

S Afr Med J 47:1859-63, 13 Oct 73
ACETYLCHOLINE, pharmacodynamics/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT/ CARDIAC VOLUME/ *CARDIOVASCULAR SYSTEM, physiology/ CEREBRAL CORTEX, physiology/ FETAL HEART, drug effects/ FETAL HEART, innervation/ *FETUS, physiology/ HEART RATE/ HEART RATE, drug effects/ HUMAN/ HYPOTHALAMUS, physiology/ ISOPROTERENOL, pharmacodynamics/ METHOXAMINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PARASYMPATHETIC NERVOUS SYSTEM, embryology/ PRESSORECEPTORS, physiology/ REFLEX/ SHEEP/ SYMPATHETIC NERVOUS SYSTEM, embryology/ UTERUS

3326. Rudyk BI: Vlivanie kompleksnoĭ terapii na obmen elektrolitov u hol'nykh khronicheskim gepatitom i tsirrozom pecheni.

Vrach Delo 9:89-93, Sep 73 (Rus)
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ FUROSEMIDE, therapeutic use/ *HEPATITIS, drug therapy/ HEPATITIS, metabolism/ HUMAN/ *LIVER CIRRHOSIS, drug therapy/ LIVER CIRRHOSIS, metabolism/ MALE/ MIDDLE AGE/ *POTASSIUM, metabolism/ POTASSIUM CHLORIDE, therapeutic use/ *SODIUM, metabolism

3327. Rühl H, Vogt W, Rühl U, et al: Stimulation cortison- und strahlenresistenter Mäuselymphocyten in vitro durch Phythamagglutinin-P (PHA), Pokeweed Mitogen (PWM) und Concanavalin (Con A).

Klin Wochenschr 51:1026-7, 15 Oct 73 (Ger)
ANIMAL EXPERIMENTS/ *CONCANAVALIN A, pharmacodynamics/ *CORTISONE, pharmacodynamics/ DRUG RESISTANCE/ ENGLISH ABSTRACT/ FEMALE/ IN VITRO/ *LYMPHOCYTES, drug effects/ *LYMPHOCYTES, radiation effects/ MICE/ *MITOGENS, pharmacodynamics/ *PLANT AGGLUTININS, pharmacodynamics/ RADIATION EFFECTS/ SPLEEN, drug effects/ SPLEEN, radiation effects/ STIMULATION, CHEMICAL/ THYMIDINE/ THYMUS GLAND, drug effects/ THYMUS GLAND, radiation effects/ TRITIUM

3328. Rühl H, Vogt W, Rühl U, et al: Effects of hydrocortisone treatment and whole body irradiation on mouse lymphocyte stimulation in vitro.

Immunology 25:753-60, Nov 73
ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CONCANAVALIN A, pharmacodynamics/ DNA, biosynthesis/ *HYDROCORTISONE, therapeutic use/ LEUKOCYTE COUNT/ LYMPHOCYTE

TRANSFORMATION/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, radiation effects/ MICE/ MICE, INBRED C57BL/ MITOGENS, pharmacodynamics/ PLANT AGGLUTININS, pharmacodynamics/ *RADIATION EFFECTS/ SPLEEN/ THYMUS GLAND/ TRITIUM

3329. Ruiz Moreno JA, Rubio Lotvin B, De Larios NM, et al: Tratamiento del síndrome climatérico con una combinación de sulfato de estrona y estradiol. Comunicación preliminar.

Ginecol Obstet Mex 34:273-9, Sep 73 (Spa)
DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, therapeutic use/ ESTRONE, administration & dosage/ *ESTRONE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MIDDLE AGE

3330. Ruiz Velasco V: Inducción médica de la ovulación. Reporte de 250 casos.

Ginecol Obstet Mex 34:417-28, Nov 73 (Spa)
ADMINISTRATION, ORAL/ ADULT/ *CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ *GLUCOCORTICIDS, therapeutic use/ *GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ *OVARIAN DISEASES, drug therapy/ *OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL

3331. Ruĭ' IuV: Vlivanie nekotorykh aminokislots v sochetanii s lipidami na funktsiiu shchitovidnoi zhelezy pri defitsite ioda v ratsione.

Gig Sanit 38:27-30, Jul 73 (Rus)
ANIMAL EXPERIMENTS/ DEFICIENCY DISEASES, metabolism/ ENGLISH ABSTRACT/ *IODINE, metabolism/ *LIPIDS, pharmacodynamics/ MALE/ *METHIONINE, pharmacodynamics/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ *TYROSINE, pharmacodynamics

3332. Rulon DB, Helwig EB: Multiple sebaceous neoplasms of the skin: an association with multiple visceral carcinomas, especially of the colon.

Am J Clin Pathol 60:745-52, Dec 73
ABDOMEN/ ADENOCARCINOMA, pathology/ ADENOMA, pathology/ ADULT/ AGE FACTORS/ BACK/ BLADDER NEOPLASMS, pathology/ BUTTOCKS/ CARCINOMA, BASAL CELL, pathology/ CARCINOMA, TRANSITIONAL CELL, pathology/ COLONIC NEOPLASMS, pathology/ FEMALE/ FOLLOW-UP STUDIES/ *GASTROINTESTINAL NEOPLASMS, pathology/ GRANULOSA CELL TUMOR, pathology/ HEAD/ HEMANGIOMA, pathology/ HUMAN/ MALE/ MIDDLE AGE/ NECK NEOPLASMS, pathology/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ NOSE NEOPLASMS, pathology/ OVARIAN NEOPLASMS, pathology/ POLYPS, pathology/ *SEBACEOUS GLAND NEOPLASMS, pathology/ URETERAL NEOPLASMS, pathology/ UTERINE NEOPLASMS, pathology

3333. Rumery RE, Eddy EM: Scanning electron microscopy of the fimbriae and ampullae of rabbit oviducts.

Anat Rec 178:83-101, Jan 74
ANIMAL EXPERIMENTS/ BENZOATES/ CILIA/ CILIA, cytology/ CILIA, drug effects/ *EPITHELIAL CELLS, cytology/ EPITHELIAL CELLS, secretion/ ESTRADIOL, pharmacodynamics/ *FALLOPIAN TUBES, cytology/ FALLOPIAN TUBES, drug effects/ FEMALE/ MICROSCOPY, ELECTRON, SCANNING/ *RABBITS, anatomy & histology/ STERILIZATION, TUBAL/ TIME FACTORS

3334. Rumsey TS, Samuelson G, Bovard KP, et al: Placental transfer of DDT in beef cattle.

J Anim Sci 37:1186-90, Nov 73
ADIPOSE TISSUE, analysis/ ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ CARBON RADIOISOTOPES/ *CATTLE, metabolism/ CORN/ DDD, analysis/ DDE, analysis/ DDT,

AUTHOR SECTION

S

- administration & dosage/ DDT, analysis/
DDT, metabolism/ FEMALE/ FETAL DEATH,
veterinary/ FETUS, metabolism/ FRUIT/
INJECTIONS, INTRAVENOUS/ LIVER,
analysis/ *MATERNAL-FETAL EXCHANGE/
PESTICIDE RESIDUES/ *PESTICIDE
RESIDUES/ PESTICIDE RESIDUES, analysis/
PLACENTA, metabolism/ PREGNANCY/
SILAGE
3335. Rushmer RA, Brinster RL: Carbon dioxide production
from pyruvate and glucose by bovine oocytes.
Exp Cell Res 82:252-4, Dec 73
ANIMAL EXPERIMENTS/ *CARBON DIOXIDE,
metabolism/ CARBON RADIOISOTOPES/
CATTLE/ COMPARATIVE STUDY/ FEMALE/
*GLUCOSE, metabolism/ MICE/ MONKEYS/
OVARY, cytology/ OVARY, metabolism/
*OVUM, metabolism/ *PYRUVATES,
metabolism/ RABBITS/ SPECIES SPECIFICITY
3336. Russell TR, Anderson WB: Adenylate cyclase and cyclic
AMP phosphodiesterase of normal and Rous sarcoma
virus transformed chicken embryo fibroblasts.
J Supramol Struct 1:382-4, 1973
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/
*ADENYL CYCLASE, metabolism/ *CELL
TRANSFORMATION, NEOPLASTIC/ CHICK
EMBRYO/ COMPARATIVE STUDY/
FIBROBLASTS, drug effects/ *FIBROBLASTS,
enzymology/ KINETICS/ MAGNESIUM,
pharmacodynamics/ MUTATION/
*PHOSPHODIESTERASES, metabolism/ ROUS
SARCOMA VIRUS/ TEMPERATURE
3337. Rutledge JT, Schwab RC: Testicular metamorphosis
and prolongation of spermatogenesis in starlings
(Sturnus vulgaris) in the absence of daily
photostimulation. J Exp Zool 187:71-6, Jan 74
ANIMAL EXPERIMENTS/ *BIRDS, physiology/
CIRCADIAN RHYTHM/ DARKNESS/ LIGHT/
MALE/ *PHOTIC STIMULATION/
*SPERMATOGENESIS/ TESTIS, anatomy &
histology/ TESTIS, growth & development/
*TESTIS, physiology
3338. Rutter JM, Luther PD: Cytopathic factors in
bacteria-free lysates of Escherichia coli.
J Med Microbiol 6:565-71, Nov 73
ANIMAL EXPERIMENTS/ ANTIGENS,
BACTERIAL/ BACTERIOLYSIS/ BIOLOGICAL
ASSAY/ CELL-FREE SYSTEM/ CELL LINE/
CYTOPLASM/ ENTEROTOXINS, isolation &
purification/ *ENTEROTOXINS, toxicity/
*ESCHERICHIA COLI, analysis/ HEAT/
HEMOLYSINS/ MICROSCOPY, ELECTRON/
NEUTRALIZATION TESTS/ SWINE/
THYROID GLAND
3339. Rybakowski J: Endokrynologiczne aspekty działania
jonów litu na organizm ludzki.
Przegl Lek 30:739-42, 1973 (45 ref.) (Pol)
ADENYL CYCLASE, metabolism/ *AFFECTIVE
DISTURBANCES, drug therapy/
ALDOSTERONE, blood/ ANIMAL
EXPERIMENTS/ BIOGENIC AMINES/
CARBOHYDRATES, metabolism/ ENDOCRINE
GLANDS, drug effects/ ENDOCRINE GLANDS,
enzymology/ HUMAN/ LITHIUM,
pharmacodynamics/ *LITHIUM,
therapeutic use/ RATS/ REVIEW/ SODIUM,
metabolism/ THYROID GLAND, drug effects/
THYROID HORMONES
3340. Rygh P: Ultrastructural changes of the periodontal
fibers and their attachment in rat molar periodontium
incident to orthodontic tooth movement.
Scand J Dent Res 81:467-80, 1973
ALVEOLAR PROCESS, pathology/ ANIMAL
EXPERIMENTS/ BONE AND BONES,
pathology/ BONE REGENERATION/
COLLAGEN/ CONNECTIVE TISSUE,
pathology/ DENTAL CEMENTUM, pathology/
FEMALE/ HYALIN SUBSTANCE, pathology/
MALE/ MAXILLA/ MICROSCOPY,
ELECTRON/ MOLAR/ ORTHODONTIC
APPLIANCES/ PERIODONTAL LIGAMENT,
pathology/ *PERIODONTIUM, pathology/
RATS/ TIME FACTORS/ *TOOTH
MOVEMENT, MINOR
3341. Sachdev YR: Acute short incubation hepatitis.
J Indian Med Assoc 60:462-6, 16 Jun 73
ACUTE DISEASE/ ADOLESCENCE/ ADULT/
*BILIRUBIN, blood/ BLOOD PROTEIN
ELECTROPHORESIS/ *BLOOD PROTEINS,
analysis/ *HEPATITIS, INFECTIOUS, blood/
HEPATITIS, INFECTIOUS, drug therapy/
HUMAN/ PREDNISOLONE, therapeutic use
3342. Sachs C, Jonsson G: Changes in central noradrenaline
neurons after systemic 6-hydroxydopamine
administration. J Neurochem 21:1517-24, Dec 73
AGING/ ANIMAL EXPERIMENTS/
BLOOD-BRAIN BARRIER, drug effects/
CEREBRAL CORTEX, metabolism/
HISTOCYTOCHEMISTRY/
HYDROXYDOPAMINE, administration &
dosage/ *HYDROXYDOPAMINE,
pharmacodynamics/ HYPOTHALAMUS,
metabolism/ INJECTIONS, INTRAVENOUS/
MALE/ MICROSCOPY, FLUORESCENCE/
NERVE DEGENERATION/ NERVE ENDINGS,
drug effects/ *NEURONS, drug effects/
NOREPINEPHRINE, metabolism/
*NOREPINEPHRINE, physiology/ RATS/
SPINAL CORD, metabolism/ TRITIUM
3343. Sadauskas VM, Voshchikene LV: Izmerenie
elektricheskogo soprotivleniya v kanale sheiki matki
kak metod opredeleniya funktsii laichnikov.
Akush Ginekol (Mosk) 49:23-6, Aug 73 (Rus)
*CERVIX UTERI, physiology/ *ELECTRIC
CONDUCTIVITY/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ MENSTRUATION/
MENSTRUATION DISORDERS,
physiopathology/ *OVARY, physiology/ TIME
FACTORS
3344. Sadekiewicz A, Sadekiewicz J: Dwa przypadki cukrzycy
powiklanej nadczynnością tarczycy.
Wiad Lek 26:2255-8, 15 Dec 73 (Pol)
*DIABETES MELLITUS, complications/
DIABETES MELLITUS, drug therapy/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*HYPERTHYROIDISM, complications/
HYPERTHYROIDISM, radiotherapy/ INSULIN,
therapeutic use/ MALE/ MIDDLE AGE/ TIME
FACTORS
3345. Sadekiewicz G, Sadekiewicz A, Kotoński J, et al:
Przygotowanie chorego na cukrzycę, do zabiegów
stomatologicznych.
Wiad Lek 26:2097-101, 15 Nov 73 (14 ref.) (Pol)
ACIDOSIS, DIABETIC/ ASCORBIC ACID,
administration & dosage/ BLOOD
BACTERICIDAL ACTIVITY/ *DIABETES
MELLITUS, complications/ HUMAN/
HYPERGLYCEMIA, complications/
PHAGOCYTOSIS/ POSTOPERATIVE CARE/
*PREOPERATIVE CARE/ REVIEW/
*SURGERY, ORAL/ TOOTH EXTRACTION/
VITAMIN D, administration & dosage
3346. Sadoff L, Davidson W: Urinary estrogen excretion in
men with advanced cancer.
N Engl J Med 289:863-4, 18 Oct 73
*ESTROGENS, urine/ HUMAN/ MALE/
*NEOPLASMS, urine/ SEX FACTORS
3347. Sadovsky E, Weinstein D, Pfeiffer Y, et al: Prevention of
serotonin abortion by serotonin antagonists in rats.
Arch Int Pharmacodyn Ther 205:305-16, Oct 73
*ABORTION, INDUCED/ ANIMAL
EXPERIMENTS/ ATROPINE,
pharmacodynamics/ BENZOCYCLOHEPTENES,
pharmacodynamics/ DIMETHYLAMINES,
pharmacodynamics/ ERGOLINES,
pharmacodynamics/ FEMALE/ GESTATIONAL
AGE/ HYDROXYZINE, pharmacodynamics/
METHANTHELINE, pharmacodynamics/
PARGYLINE, pharmacodynamics/
PHENOTHIAZINES, pharmacodynamics/
PIPERIDINES, pharmacodynamics/
PREGNANCY/ RATS/ RATS, INBRED
STRAINS/ *SEROTONIN, antagonists &
inhibitors/ SULFONAMIDES,
pharmacodynamics/ THIOPHENES,
pharmacodynamics/ TRIPELENNAMINE,

AUTHOR SECTION

- pharmacodynamics/ TRYPTAMINES,
pharmacodynamics
3348. Saeger W: Zur Ultrastruktur der Hypophysenadenome beim Cushing-Syndrom nach Adrenalectomie.
Virchows Arch [Pathol Anat] 361:39-50, 10 Oct 73 (Ger)
*ADENOMA, pathology/ *ADRENALECTOMY/
CELL NUCLEOLUS/ CELL NUCLEUS/
*CUSHING'S SYNDROME, pathology/
CUSHING'S SYNDROME, surgery/
ENDOPLASMIC RETICULUM/ ENGLISH
ABSTRACT/ GOLGI APPARATUS/ HUMAN/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
*PITUITARY NEOPLASMS, pathology/
RIBOSOMES
3349. Safar A, Chaussain JL, Vassal J, et al: Hypothyroïdisme précoce majeure, partiellement réversible, dans deux cas de syndrome de Pendred.
Arch Fr Pediatr 30:843-8, 1973 (Fre)
*DEAF-MUTISM, familial & genetic/ ENGLISH
ABSTRACT/ FEMALE/ GOITER,
complications/ *GOITER, familial & genetic/
HUMAN/ *HYPOTHYROIDISM, etiology/
INFANT/ *IODINE, metabolism/ MALE
3350. Said SA, Wide L: Serum levels of FSH and LH following normal parturition.
Acta Obstet Gynecol Scand 52:361-5, 1973
ADULT/ FEMALE/ *FSH, blood/
GONADOTROPINS, CHORIONIC, blood/
HUMAN/ IODINE RADIOISOTOPES/
LACTATION/ *LH, blood/ PREGNANCY/
*PUERPERIUM/ RADIOIMMUNOASSAY/ TIME
FACTORS
3351. Said SI: The lung--an endocrine organ?
Jap J Thorac Dis 11:509-12, Sep 73
ANGIOTENSIN, metabolism/ BRADYKININ,
metabolism/ CATECHOLAMINES, metabolism/
HISTAMINE, metabolism/ HUMAN/ *LUNG,
metabolism/ PEPTIDES, metabolism/
PROSTAGLANDINS, metabolism
3352. St. John RD, Corning PA: Maternal aggression in mice.
Behav Biol 9:835-9, Nov 73
*AGGRESSION/ ANIMAL EXPERIMENTS/
ANIMALS, NEWBORN/ *BEHAVIOR, ANIMAL/
ENVIRONMENT/ FEMALE/ GENETICS,
BEHAVIORAL/ HOME RANGE/ LACTATION/
MALE/ *MATERNAL BEHAVIOR/ MICE/
MICE, INBRED BALB C/ MICE, INBRED
C3H/ MICE, INBRED C57BL/ MICE, INBRED
DBA/ PREGNANCY/ PREGNANCY, ANIMAL/
SEX FACTORS/ SPECIES SPECIFICITY
3353. Saito R, Schick S: Aeromonas hydrophila peritonitis.
Cancer Chemother Rep 57:489-91, Nov-Dec 73
*AEROMONAS, isolation & purification/ CASE
REPORT/ CYSTADENOMA, MUCINOUS,
complications/ FEMALE/ HUMAN/ MIDDLE
AGE/ OVARIAN NEOPLASMS, complications/
*PERITONITIS, etiology/ PERITONITIS,
microbiology
3354. Saito T, Wakisaka K, Okazaki K, et al: [Hypotensive effect of intravenous propanidid. 1. Effect of preadministration of antihistamines and glucocorticoids]
Jap J Anesthesiol 22:882-8, Sep 73 (Jap)
ADULT/ *BLOOD PRESSURE, drug effects/
CLINICAL RESEARCH/ CORTISONE,
pharmacodynamics/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ INJECTIONS,
INTRAVENOUS/ MALE/ PREANESTHETIC
MEDICATION/ PROMETHAZINE,
pharmacodynamics/ *PROPANIDID,
administration & dosage/ PROPANIDID,
pharmacodynamics
3355. Sakata T, Fuchimoto H: [Abnormal behavior caused by methylxanthines: a study of experimental Lesch-Nyhan syndrome]
Jap J Clin Med 31:2481-7, 10 Aug 73 (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ANIMAL EXPERIMENTS/
*BEHAVIOR, ANIMAL, drug effects/
*LESCH-NYHAN SYNDROME, chemically
induced/ LESCH-NYHAN SYNDROME,
metabolism/ PURINES, pharmacodynamics/
RATS/ THEOPHYLLINE, pharmacodynamics/
*XANTHINES, pharmacodynamics
3356. Sakharov VI, Grigor'ev MIu, Lysenko LK: O sootnoshenii pokazatelei ékskretsiil liuteinizirulushchego gormona glipofiza i testov funktsional'noi diagnostiki pri normal'nom menstrual'nom tsikle.
Akush Ginekolog (Mosk) 49:53-4, May 73 (Rus)
ADULT/ FEMALE/ HUMAN/ KARYOMETRY/
LATEX FIXATION TESTS/ *LH, urine/
*MENSTRUATION/ *OVARY, physiology/
OVULATION/ TIME FACTORS
3357. Saksena DN: Continuation rates, complaints and reasons for discontinuance relating to contraceptive pills: an Indian experience. Yonsei Med J 13:35-9, 1972
*CONTRACEPTIVES, ORAL/ FEMALE/
HUMAN/ INDIA
3358. Sakurada T, Demura R, Onodera S, et al: A case of triiodothyronine-secreting with hypo-metabolism.
Tohoku J Exp Med 110:319-27, Aug 73
ADULT/ BASAL METABOLISM/
CHROMATOGRAPHY, THIN LAYER/ HUMAN/
HYPERTHYROIDISM, metabolism/
HYPOTHYROIDISM, metabolism/ IODINE
ISOTOPES, DIAGNOSTIC/ IODINE
RADIOISOTOPES/ MALE/ PROTEIN-BOUND
IODINE TEST/ RESINS/ THYROID GLAND,
analysis/ THYROID GLAND, metabolism/
THYROID GLAND, pathology/ THYROTROPIN,
blood/ THYROXINE, analysis/ THYROXINE,
blood/ TRIIODOTHYRONINE, analysis/
TRIIODOTHYRONINE, blood/
*TRIIODOTHYRONINE, secretion
3359. Sakurada T, Saito S, Yamaguchi T, et al: Radioimmunoassay of triiodothyronine.
Tohoku J Exp Med 110:329-40, Aug 73
ALCOHOL, METHYL/ CROSS REACTIONS/
DINITROPHENOLS, pharmacodynamics/
DIPHENYLHYDANTOIN, pharmacodynamics/
HUMAN/ HYPERTHYROIDISM, drug therapy/
HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, drug therapy/
IMIDAZOLES, therapeutic use/ IMMUNE
SERUMS/ RABBITS, immunology/
*RADIOIMMUNOASSAY/ SERUM ALBUMIN,
BOVINE/ SPECTROPHOTOMETRY,
INFRARED/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ THYROID HORMONES,
therapeutic use/ THYROTROPIN, blood/
*TRIIODOTHYRONINE, blood
3360. Sakurada T, Suzuki Y, Saito S, et al: The in vitro delodination of thyroxine and triiodothyronine.
Tohoku J Exp Med 110:225-34, Jul 73
ANIMAL EXPERIMENTS/ IODINE
RADIOISOTOPES/ KIDNEY, metabolism/
LIVER, metabolism/ RATS/ SPLEEN,
metabolism/ THYROIDECTOMY/
THYROXINE, metabolism/
*TRIIODOTHYRONINE, metabolism
3361. Sakurada T, Tayama S, Saito S, et al: Effect of heparinoid on free thyroxine concentration in human serum. Tohoku J Exp Med 110:209-24, Jul 73
ANIMAL EXPERIMENTS/ BLOOD SUGAR,
analysis/ CARBON RADIOISOTOPES/
DEXTRAN, administration & dosage/
*DEXTRAN, pharmacodynamics/ DOGS/
ELECTROPHORESIS/ FATTY ACIDS,
NONESTERIFIED, blood/ *HEPARINOID,
pharmacodynamics/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ INJECTIONS,
INTRAVENOUS/ IODINE, blood/ IODINE
RADIOISOTOPES/ MALE/ PALMITIC ACID,
pharmacodynamics/ PROTAMINES,
pharmacodynamics/ *THYROXINE, blood/
THYROXINE-BINDING PROTEIN, analysis
3362. Salaman DF, Birkett S: Androgen-induced sexual differentiation of the brain is blocked by inhibitors of DNA and RNA synthesis. Nature 247:109-12, 11 Jan 74
ANIMAL EXPERIMENTS/ ANIMALS,
NEWBORN/ *BRAIN, metabolism/
DACTINOMYCIN, pharmacodynamics/

AUTHOR SECTION

- DEPRESSION, CHEMICAL/ *DNA, biosynthesis/ ESTRUS, drug effects/ FEMALE/ FLUOROURACIL, pharmacodynamics/ *GONADOTROPINS, metabolism/ HYDROXYUREA, pharmacodynamics/ HYPOTHALAMUS, metabolism/ MYCOTOXINS, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ OVULATION, drug effects/ PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ RATS/ *RNA, biosynthesis/ SEX FACTORS/ *TESTOSTERONE, antagonists & inhibitors/ TESTOSTERONE, pharmacodynamics/ THYMIDINE, metabolism/ TRITIUM
3363. Salar G, Andrioli GC: Sarcoidosi a localizzazione intramidollare. Acta Neurol (Napoli) 28:400-8, Jul-Aug 73 (Ita) ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CERVICAL VERTEBRAE/ HUMAN/ MALE/ MYELOGRAPHY/ *PARAPLEGIA, etiology/ *SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy/ SPINAL CORD COMPRESSION, etiology/ *SPINAL CORD DISEASES, complications/ THORACIC RADIOGRAPHY/ THORACIC VERTEBRAE
3364. Salaspuro MP, Kesäniemi YA: Intravenous galactose elimination tests with and without ethanol loading in various clinical conditions. Scand J Gastroenterol 8:681-6, 1973 ADULT/ AGED/ *ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLISM, metabolism/ CHRONIC DISEASE/ DIABETES MELLITUS, metabolism/ DIETARY PROTEINS/ FATTY LIVER, metabolism/ FEMALE/ *GALACTOSE, diagnostic use/ GALACTOSE, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ LIVER CIRRHOSIS, metabolism/ LIVER FUNCTION TESTS/ MALABSORPTION SYNDROMES, metabolism/ MALE/ MIDDLE AGE/ OBESITY, metabolism
3365. Saldaña-García P: A dermatoglyphic study of sixty-four XYY males. Ann Hum Genet 37:107-16, Jul 73 *DERMATOGLYPHICS/ FINGERS/ FOOT/ HAND/ HUMAN/ MALE/ *SEX CHROMOSOME ABNORMALITIES
3366. Salichová J, Kopecký A: Některé dermatoglyfické nálezy u poruch růstu. (Cze) Česk Pediatr 28:601-3, Nov 73 (Cze) ADOLESCENCE/ ADULT/ BODY HEIGHT/ BONE DISEASES, DEVELOPMENTAL, diagnosis/ CHILD/ CHILD, PRESCHOOL/ *DERMATOGLYPHICS/ DWARFISM, PITUITARY, diagnosis/ ENGLISH ABSTRACT/ *GROWTH DISORDERS, diagnosis/ HUMAN
3367. Salti IS: Editorial: The early diagnosis of primary hyperparathyroidism. J Med Liban 28:209-10, 1973 *CALCIUM, blood/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis
3368. Salvador RA, Tsai I: Accumulation of collagen in the uterus of the immature rat administered estradiol-17 beta. Biochem Pharmacol 22:37-46, 1 Jan 73 ANIMAL EXPERIMENTS/ CASTRATION/ COLLAGEN, analysis/ *COLLAGEN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ HYDROXYPROLINE, analysis/ HYDROXYPROLINE, metabolism/ ORGAN WEIGHT/ OVARY, physiology/ PROTEINS, analysis/ PROTEINS, metabolism/ RATS/ UTERUS, analysis/ UTERUS, drug effects/ *UTERUS, metabolism
3369. Samoilov MO: Elektronnomikroskopicheskoe issledovanie svyazei novoi kory s podbugor'em u koshki. Zb Evol Blokhim Fiziol 9:86-91, Jan-Feb 73 (Rus) ANIMAL EXPERIMENTS/ *CATS, anatomy & histology/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, anatomy & histology/ MICROSCOPY, ELECTRON/ *PARIETAL LOBE, anatomy & histology/ *SOMATOSENSORY CORTEX, anatomy & histology
3370. Samuels HH, Tsai JS: Thyroid hormone action in cell culture: demonstration of nuclear receptors in intact cells and isolated nuclei. Proc Natl Acad Sci USA 70:3488-92, Dec 73 BINDING SITES/ CELL LINE/ *CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ IODINE RADIOISOTOPES/ KINETICS/ MITOCHONDRIA, metabolism/ PITUITARY NEOPLASMS/ RATS/ *RECEPTORS, HORMONE/ SUBCELLULAR FRACTIONS, metabolism/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism
3371. Samuels LT, Matsumoto K: Localization of enzymes involved in testosterone biosynthesis by the mouse testis. Endocrinology 91:55-60, Jan 74 ANDROSTENEDIONE, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ EQUILIBRIUM/ *HYDROXYLASES, metabolism/ HYDROXYPROGESTERONE, metabolism/ *LYASES, metabolism/ MALE/ MICE/ *MICROSOMES, enzymology/ MICROSOMES, metabolism/ *OXIDOREDUCTASES, metabolism/ PROGESTERONE, metabolism/ SUCROSE/ TESTIS, cytology/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TIME FACTORS/ TRITIUM
3372. Samvelian EO: Opredelenie serdechnogo vybroza i raboty serdtsa metodom radiokardiografii u bol'nykh tireotoksikozom. Zh Eksp Klin Med 13:53-7, Feb 73 (Rus) *CARDIAC OUTPUT/ *DYE DILUTION TECHNIC/ *HEART, physiology/ HEART FUNCTION TESTS/ HUMAN/ *HYPERTHYROIDISM, physiology/ SERUM ALBUMIN, RADIO-IODINATED, diagnostic use
3373. Sanchez J, Polack FM: Effect of topical steroids on the healing of corneal endothelium. Invest Ophthalmol 13:17-22, Jan 74 ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CORNEA, injuries/ CORNEA, metabolism/ CORNEA, pathology/ *DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, therapeutic use/ EDEMA, etiology/ ENDOTHELIUM, injuries/ ENDOTHELIUM, metabolism/ ENDOTHELIUM, pathology/ EYE INJURIES, drug therapy/ EYE INJURIES, metabolism/ EYE INJURIES, pathology/ FREEZING/ INFLAMMATION, etiology/ MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ OPHTHALMIC SOLUTIONS/ RABBITS/ THYMIDINE, metabolism/ TRITIUM/ *WOUND HEALING, drug effects
3374. Sancillo LF, Fishman A: Application of sequential analysis to Evans blue-carrageenan-induced pleural effusion for screening compounds for anti-inflammatory activity. Toxicol Appl Pharmacol 28:575-84, Dec 73 ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ASPIRIN, therapeutic use/ *CARRAGEENAN/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SCREENING/ *DYES/ GLUCOCORTICOIDS, therapeutic use/ GOLD THIOALATE, therapeutic use/ *PLEURAL EFFUSION, chemically induced/ PLEURAL EFFUSION, drug therapy/ RATS/ STEROIDS, therapeutic use
3375. Sander S: Behandling av prostatacancer. Tidsskr Nor Lægeforen 93:1943-5, 20 Sep 73 (Nor) ADRENALECTOMY/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROSTATECTOMY/ PROSTATIC NEOPLASMS,

AUTHOR SECTION

drug therapy/ *PROSTATIC NEOPLASMS, therapy

3376. Sanders CL Jr: Carcinogenicity of inhaled plutonium-238 in the rat. *Radiat Res* 56:540-53, Dec 73
ABDOMINAL NEOPLASMS, etiology/
ADENOCARCINOMA, etiology/
ADENOFIBROMA, etiology/ ADRENAL GLAND NEOPLASMS, etiology/ ANIMAL EXPERIMENTS/ BLADDER NEOPLASMS, etiology/ CARCINOMA, BRONCHIOLAR, etiology/ CARCINOMA, EPIDERMAL, etiology/ FEMALE/ INTESTINAL NEOPLASMS, etiology/ KIDNEY NEOPLASMS, etiology/ LEUKEMIA, MYELOCYTIC, etiology/ LUNG NEOPLASMS, etiology/
LYMPHOSARCOMA, etiology/ MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/
NEOPLASMS, EXPERIMENTAL, etiology/
*NEOPLASMS, RADIATION-INDUCED/
OVARIAN NEOPLASMS, etiology/
PANCREATIC NEOPLASMS, etiology/
*PLUTONIUM/ RATS/ SARCOMA, OSTEOGENIC, etiology/ SKIN NEOPLASMS, etiology/ SPLENIC NEOPLASMS, etiology/
UTERINE NEOPLASMS, etiology
3377. Sanders HK, Mied PA, Briguet M, et al: Measurement of pituitary hormones: clinical applications. 4. Thyroid stimulating hormone. *NZ Med J* 78:204-8, 12 Sep 73
ADOLESCENCE/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/
*HYPOPITUITARISM, blood/
HYPOPITUITARISM, complications/
HYPOPITUITARISM, diagnosis/
HYPOTHYROIDISM, blood/
HYPOTHYROIDISM, diagnosis/
HYPOTHYROIDISM, etiology/ IODINE RADIOISOTOPES/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ SEX FACTORS/
*THYROID DISEASES, blood/
THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, adverse effects/
THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood
3378. Sanders SS, Hayne VB Jr, Rehm WS: Normal H+ rates in frog stomach in absence of exogenous CO2 and a note on pH stat method. *Am J Physiol* 225:1311-21, Dec 73
ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ *CARBON DIOXIDE/ ELECTROPHYSIOLOGY/ FROGS/ GASTRIC ACIDITY DETERMINATION/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, secretion/ *HYDROGEN-ION CONCENTRATION/ IN VITRO/ METHODS/ OXYGEN/ RANA PIPIENS/ SECRETORY RATE/ STOMACH, drug effects/ *STOMACH, physiology/ THIOCYANATES, pharmacodynamics
3379. Sandlands G, Gray K, Cooney A, et al: Letter: Auto-rosette formation by human thymocytes and lymphocytes. *Lancet* 1:27-8, 5 Jan 74
ACETATES, pharmacodynamics/
ADOLESCENCE/ ADULT/ ANIMAL EXPERIMENTS/ CATTLE/ CORTISONE, pharmacodynamics/ GUINEA PIGS/ HUMAN/ *IMMUNE ADHERENCE REACTION/ IMMUNITY, CELLULAR, drug effects/
IMMUNOLOGIC TECHNIQUES/ *LYMPHOCYTES, immunology/ MICE/ MICE, INBRED C57BL/ MICE, INBRED CBA/ MICE, INBRED NZB/ MIDDLE AGE/ RABBITS/ SHEEP/ SPECIES SPECIFICITY/ THYMUS GLAND, cytology/
*THYMUS GLAND, immunology
3380. Sands H, Meyer TA: Phosphorylation of muscle proteins by cyclic adenosine 3',5'-monophosphate-dependent protein kinase from muscle. *Biochim Biophys Acta* 321:489-95, 10 Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/
CATTLE/ COMPARATIVE STUDY/
ELECTROPHORESIS, DISC/ HISTONES/
KIDNEY CORTEX, enzymology/ KIDNEY MEDULLA, enzymology/ KINETICS/ LIVER, enzymology/ MOLECULAR WEIGHT/ MUSCLE PROTEINS/ MUSCLE PROTEINS, isolation & purification/ MUSCLE, SMOOTH, drug effects/
*MUSCLE, SMOOTH, enzymology/ MUSCLES, drug effects/ MUSCLES, enzymology/
MYOCARDIUM, enzymology/ ORGAN SPECIFICITY/ PHOSPHORUS RADIOISOTOPES/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ SODIUM DODECYL SULFATE/ TRACHEA
3381. Sankaran L, Pogell BM: Differential inhibition of catabolite-sensitive enzyme induction by intercalating dyes. *Nature [New Biol]* 245:257-60, 31 Oct 73
ACID PHOSPHATASE, biosynthesis/
ACRIDINES, antagonists & inhibitors/
*ACRIDINES, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALKALINE PHOSPHATASE, biosynthesis/ DEPRESSION, CHEMICAL/ DNA REPLICATION, drug effects/ *DYES, pharmacodynamics/
*ENZYME INDUCTION, drug effects/
ESCHERICHIA COLI, enzymology/ ETHIDIUM, pharmacodynamics/ EXTRACHROMOSOMAL INHERITANCE, drug effects/
GALACTOSIDASE, biosynthesis/ GLUCOSE, pharmacodynamics/ LYASES, biosynthesis/
METHYLTRANSFERASES, biosynthesis/
*PHENANTHRIDINES, pharmacodynamics/
PUROMYCIN/ STREPTOMYCIN, enzymology/
TRANSCRIPTION, GENETIC, drug effects/
TRYPTOPHANASE, biosynthesis
3382. Sanna GP: Antikaliuretic action of amiloride. *Acta Cardiol (Brux)* Suppl 17:301-6, 1973
AMILORIDE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/
*DIURETICS, pharmacodynamics/
FUROSEMIDE, pharmacodynamics/
HYDROCHLOROTHIAZIDE, pharmacodynamics/
*KIDNEY, drug effects/ KIDNEY, metabolism/
*POTASSIUM, metabolism/ *PYRAZINES, pharmacodynamics/ RATS/ SPIRONOLACTONE, pharmacodynamics
3383. Sanner JH: Substances that inhibit the actions of prostaglandins. *Arch Intern Med* 133:133-46, Jan 74 (210 ref.)
ABORTION, THERAPEUTIC/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/
ANALGESICS AND ANTIPYRETICS, pharmacodynamics/ ANEMIA, SICKLE CELL, drug therapy/ ANIMAL EXPERIMENTS/
ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ BONE RESORPTION, drug effects/ CENTRAL NERVOUS SYSTEM, drug effects/ DIARRHEA, chemically induced/ DIBENZOXAZEPINES, pharmacodynamics/ EYE, drug effects/
FEMALE/ FERTILITY, drug effects/ HUMAN/ INFLAMMATION, drug therapy/
INTRAOCULAR PRESSURE, drug effects/
LABOR, INDUCED/ LUNG DISEASES, OBSTRUCTIVE, drug therapy/ *MUSCLE, SMOOTH, drug effects/ PHLORETIN, pharmacodynamics/ PREGNANCY, drug effects/ *PROSTAGLANDINS, antagonists & inhibitors/ REVIEW/ THYROID GLAND, drug effects
3384. Sano Y: [Conclusion of essays on cerebral amines and endocrine-automatic nervous functions] *Clin Endocrinol (Tokyo)* 21:1027-8, Oct 73 (Jap)
AMINES, analysis/ *AMINES, physiology/
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, analysis/
PITUITARY HORMONE RELEASING HORMONES, secretion
3385. Sansus NP, Shcherbakov AI: Klinika i neposredstvennye rezultaty lecheniya organichennykh form destruktivnogo tuberkuleza. *Probl Tuberk* 51:31-4, 1973 (Rus)
ADULT/ AMBULATORY CARE/

AUTHOR SECTION

- *ANTITUBERCULAR AGENTS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ MALE/ PREDNISOLONE, therapeutic use/ PYRIMIDINES, therapeutic use/ *TUBERCULOSIS, PULMONARY, drug therapy/ TUBERCULOSIS, PULMONARY, radiography
3386. Sanz G, Nadai-Ginard B, Mata LA, et al: The upper limb-cardiovascular syndrome (Holt-Oram syndrome). A survey and a report of four cases. Clin Pediatr (Phila) 12:687-91 passim, Dec 73
*ABNORMALITIES, MULTIPLE, familial & genetic/ ABNORMALITIES, MULTIPLE, radiography/ ADULT/ *ARM, abnormalities/ BONE AND BONES, abnormalities/ CHILD/ CHILD, PRESCHOOL/ DERMATOGLYPHICS/ FEMALE/ HAND, radiography/ *HEART DEFECTS, CONGENITAL, familial & genetic/ HEART DEFECTS, CONGENITAL, radiography/ HEART DEFECTS, CONGENITAL, surgery/ HEART SEPTAL DEFECTS, ATRIAL, familial & genetic/ HEART SEPTAL DEFECTS, VENTRICULAR, familial & genetic/ HUMAN/ KARYOTYPING/ MEXICO/ SYNDROME/ THUMB, abnormalities
3387. Sar M, Stumpf WE: Effects of progesterone or cyproterone acetate on androgen uptake in the brain, pituitary and peripheral tissues. Proc Soc Exp Biol Med 144:26-9, 1 Oct 73
ADRENAL GLANDS, metabolism/ AMYGDALOID BODY, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CASTRATION/ CEREBRAL CORTEX, metabolism/ *CYPROTERONE, pharmacodynamics/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ MESENCEPHALON, metabolism/ *PITUITARY GLAND, metabolism/ *PROGESTERONE, pharmacodynamics/ PROSTATE, metabolism/ RATS/ SEMINAL VESICLES, metabolism/ SEPTUM PELLUCIDUM, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM
3388. Sarantakis D, McKinley WA, Grant NH: The synthesis and biological activity of Ala³,14-somatostatin. Biochem Biophys Res Commun 55:538-42, 16 Nov 73
ALANINE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CELLS, CULTURED/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ GEL FILTRATION/ MALE/ PEPTIDES, analysis/ PEPTIDES, chem synthesis/ *PEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ POLYSTYRENES/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN RELEASING HORMONE, antagonists & inhibitors/ SOMATOTROPIN RELEASING HORMONE, secretion/ SWINE, immunology
3389. Sarfaty G, Pitt P, Tallis M: Basic results of a study of bilateral adrenalectomy for advanced breast cancer. Urinary steroids and related data in 148 patients. Med J Aust 2:877-81, 10 Nov 73
*ADRENALECTOMY/ ADULT/ ANDROSTERONE, urine/ BODY SURFACE AREA/ BREAST, pathology/ BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, mortality/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, therapy/ *BREAST NEOPLASMS, urine/ CHROMATOGRAPHY, GAS/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, urine/ MENOPAUSE/ MIDDLE AGE/ PALLIATIVE TREATMENT/ PREGNANCY/ REMISSION/ SPECTROPHOTOMETRY/ TIME FACTORS
3390. Sargent JD, Walters ED, Green EE: Psychosomatic self-regulation of migraine headaches. Semin Psychiatry 5:415-28, Nov 73
*AUTOGENIC TRAINING/ AUTONOMIC NERVOUS SYSTEM, physiology/ BODY TEMPERATURE REGULATION/ CONDITIONING, OPERANT/ *FEEDBACK/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPOTHALAMUS, physiology/ LIMBIC SYSTEM, physiology/ MIDDLE AGE/ MIGRAINE, occurrence/ *MIGRAINE, therapy/ PRACTICE (PSYCHOLOGY)/ PSYCHOPHYSIOLOGIC DISORDERS, therapy/ *PSYCHOSOMATIC MEDICINE/ SKIN TEMPERATURE/ STRESS, PSYCHOLOGICAL/ UNITED STATES
3391. Sarre H: Franz Volhard-Roter und blasser Hochdruck aus heutiger Sicht. 1. Med Klin 68:1309-12, 5 Oct 73 (Ger)
ANGIOTENSIN, history/ ANIMAL EXPERIMENTS/ DOGS/ GERMANY/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ HISTORY OF MEDICINE, MODERN/ HUMAN/ HYPERTENSION, etiology/ *HYPERTENSION, history/ KIDNEY DISEASES, complications/ *KIDNEY DISEASES, history/ RABBITS/ RENIN, history
3392. Sarviharju PJ: Effect of physical exercise on the urinary excretion of catecholamines and 17-hydroxycorticosteroids in young healthy men. J Sports Med Phys Fitness 13:171-6, Sep 73
ADULT/ *CATECHOLAMINES, urine/ *EXERTION/ HUMAN/ *17-HYDROXYCORTICOSTEROIDS, urine/ MALE
3393. Sas M: Az orális anticonceptio jelenlegi helyzete Magyarországon. Orv Hetil 114:3011-14, 16 Dec 73 (Hun)
ABORTION/ *BIRTH RATE/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, supply & distribution/ FEMALE/ HUMAN/ HUNGARY/ MATERNAL MORTALITY
3394. Sas M, Kincses L, Resch B: Orális anticonceptio után kialakult amenorrhoea: "post-pill amenorrhoea". Orv Hetil 114:3016-21, 16 Dec 73 (Hun)
ADULT/ *AMENORRHEA, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN
3395. Sas M, Kincses L, Resch B: Während der oralen Kontrazeption aufgetretene Galaktorrhoe. Zentralbl Gynaekol 95:1458-61, 12 Oct 73 (Ger)
ADULT/ CLOMIPHENE, therapeutic use/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ *LACTATION DISORDERS, chemically induced/ LACTATION DISORDERS, drug therapy/ MESTRANOL, adverse effects/ NORETHYNODREL, adverse effects
3396. Sategna-Guidetti C, Giacosa A, De la Pierre M: Determinazione radioimmunologica della gastrina: valori ematici, basali e in risposta a stimolo protelco. Minerva Med 64:4510-5, 28 Nov 73 (Ita)
ACROMEGALY, blood/ *DIETARY PROTEINS, pharmacodynamics/ ENGLISH ABSTRACT/ GASTRECTOMY/ GASTRIN, analysis/ GASTRIN, biosynthesis/ *GASTRIN, blood/ GASTROINTESTINAL DISEASES, blood/ HUMAN/ KIDNEY DISEASES, blood/ LIVER CIRRHOSIS, blood/ PEPTIC ULCER, blood/ *RADIOIMMUNOASSAY/ STOMACH NEOPLASMS, blood
3397. Sato A, Onaya T, Kotani M, et al: [Active amine and hypothalamic cyclic AMP] Clin Endocrinol (Tokyo) 21:1035-8, Oct 73 (Jap)
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *AMINES, metabolism/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CATS/ *HYPOTHALAMUS, metabolism/ IN VITRO/ MONKEYS/ RABBITS/ RATS/ SWINE
3398. Sato N: [Cross reaction components in anti-HFSH serum and HLH antibody] Clin Endocrinol (Tokyo) 21:1029-33, Oct 73 (Jap)
ANTIBODIES/ CHROMATOGRAPHY/ *CROSS REACTIONS/ *FSH/ HUMAN/ *IMMUNE

AUTHOR SECTION

SERUMS/ IODINE RADIOISOTOPES/ *LH/
RABBITS, Immunology/ RADIOIMMUNOASSAY

3399. Sato N: Sex differentiation of the gonad of fry transplanted into the anterior chamber of the adult eye in the teleost, *Oryzias latipes*.
J Embryol Exp Morphol 30:345-58, Oct 73

ANIMAL EXPERIMENTS/ ANTERIOR
CHAMBER/ FEMALE/ *FISHES, growth &
development/ GERM CELLS/ *GONADS,
growth & development/ GONADS,
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development/ SEX DETERMINATION/ SEX
FACTORS/ SEX HORMONES,
pharmacodynamics/ SEX REVERSAL,
GONADAL/ TESTIS, growth & development/
TRANSPLANTATION, HOMOLOGOUS

3400. Sato S, Yamada T: [Activation of adenyl cyclase in the bovine thyroid plasma membrane with TSH, LATS and prostaglandin E2]
Clin Endocrinol (Tokyo) 21:725-9, Jul 73 (Jap)

*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ CATTLE/ CELL MEMBRANE,
enzymology/ ENZYME ACTIVATION, drug
effects/ *LONG-ACTING THYROID
STIMULATOR, pharmacodynamics/
*PROSTAGLANDINS, pharmacodynamics/
*THYROID GLAND, enzymology/
*THYROTROPIN, pharmacodynamics

3401. Sato T, Yoshinaga K: A metanephrine test for a screening of catecholamine-producing tumors.
Tohoku J Exp Med 110:283-7, Jul 73

*CATECHOLAMINES, biosynthesis/
*EPINEPHRINE, urine/ HUMAN/ METHODS/
METHYL ETHERS, urine/
NEUROBLASTOMA, diagnosis/
NEUROBLASTOMA, metabolism/
NEUROBLASTOMA, urine/
*NORMETANEPHRINE, urine/
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*PHEOCHROMOCYTOMA, diagnosis/
PHEOCHROMOCYTOMA, metabolism/
PHEOCHROMOCYTOMA, urine/
SPECTROPHOTOMETRY/ VANILLIN, urine

3402. Sato Y: In vitro biosynthesis of human placental lactogen (HPL) by chorionic tissue and the diagnostic value of HPL in trophoblastic disease.
Endocrinol Jap 20:291-306, Jun 73

BIRTH WEIGHT/ CELLS, CULTURED/
CHORIOCARCINOMA, diagnosis/ DIAGNOSIS,
DIFFERENTIAL/ FEMALE/ *FETAL
MEMBRANES, metabolism/ GONADOTROPINS,
CHORIONIC, blood/ GONADOTROPINS,
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PLACENTAL LACTOGEN, physiology/
PREGNANCY/ PROLACTIN, metabolism/
TIME FACTORS/ TROPHOBLASTIC TUMOR,
blood/ *TROPHOBLASTIC TUMOR, diagnosis

3403. Satodate R, Katsura S, Ota M: Structural changes of the pineals of blinded rats fed long term.
Experientia 29:1414-5, 15 Nov 73

ANIMAL EXPERIMENTS/ BLINDNESS,
pathology/ CYTOPLASM/ CYTOPLASMIC
GRANULES/ *DARKNESS/ MALE/
MICROSCOPY, ELECTRON/ MITOCHONDRIA/
ORGANOIDS/ *PINEAL BODY, cytology/
PINEAL BODY, pathology/ RATS/
RIBOSOMES/ *SENSORY DEPRIVATION/
TIME FACTORS

3404. Saure A: The biogenesis and metabolism of steroids in the human placenta of 9-14 weeks in vitro.
Ann Acad Sci Fenn [Med] 159:1-131, Sep 73

ACETATES, metabolism/ CARBON
RADIOISOTOPES/ CHOLESTEROL,
metabolism/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
DEHYDROEPIANDROSTERONE, metabolism/
FEMALE/ HUMAN/
HYDROXYPROGESTERONE, metabolism/ IN
VITRO/ METHODS/ NAD, metabolism/

PLACENTA, enzymology/ *PLACENTA,
metabolism/ PREGNANCY/ PREGNENOLONE,
metabolism/ PROGESTERONE, metabolism/
SODIUM, metabolism/ SPECTRUM ANALYSIS,
MASS/ STEROIDS, biosynthesis/ *STEROIDS,
metabolism/ TESTOSTERONE, metabolism/
TIME FACTORS/ TISSUE CULTURE

3405. Sauter C: Die internistische Therapie der malignen Lymphome.
Schweiz Med Wochenschr 103:1318-21, 22 Sep 73 (Ger)

ANTIGENS, NEOPLASM/ BLEOMYCIN,
therapeutic use/ CHLORAMBUCIL, therapeutic
use/ CYCLOPHOSPHAMIDE, therapeutic use/
DRUG THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ *HODGKIN'S DISEASE, drug
therapy/ HODGKIN'S DISEASE, immunology/
HUMAN/ PREDNISONE, therapeutic use/
PROCARBAZINE, therapeutic use/
REMISSION/ VINBLASTINE, therapeutic use

3406. Sautter H, Naumann G, Demeler B: Ueber Erfahrungen mit gleichzeitiger perforierender Keratoplastik und Kataraktextraktion.
Klin Monatsbl Augenheilkd 163:290-8, Sep 73 (Ger)

ADOLESCENCE/ ADRENAL CORTEX
HORMONES, therapeutic use/ ADULT/ AGED/
*CATARACT EXTRACTION/ *CORNEA,
transplantation/ CORNEAL OPACITY, drug
therapy/ CORNEAL OPACITY, surgery/
ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/
GLAUCOMA, surgery/ HUMAN/
INTRAOCULAR PRESSURE/ METHODS/
MIDDLE AGE/ POSTOPERATIVE
COMPLICATIONS/ TIME FACTORS/
TRANSPLANTATION, AUTOLOGOUS

3407. Savadi MS, Vasantgadkar PS, Ganja VG: Alveolar carbon dioxide content in normal Indian adults with special reference to changes in pre- and post-ovulatory stages in ovulating females.
Indian J Med Res 61:245-51, Feb 73

ADULT/ *CARBON DIOXIDE, analysis/
CARBON DIOXIDE, blood/ FEMALE/
HUMAN/ MALE/ MIDDLE AGE/
*OVULATION/ PARTIAL PRESSURE/
*PULMONARY ALVEOLI/ RESPIRATION

3408. Savage J: Proceedings: Aluminum hydroxide granuloma. Proc R Soc Med 66:984-5, Oct 73

ADULT/ *ALUMINUM HYDROXIDE GEL,
adverse effects/ BUTTOCKS/ CASE REPORT/
*GRANULOMA, chemically induced/
GRANULOMA, drug therapy/ HUMAN/ MALE/
TRIAMCINOLONE, therapeutic use

3409. Savchenko ON: Znachenie gonadotropnykh gormonov v stimulatsii funktsii laichnikov (obzor literatury). Akush Ginekol (Mosk) 49:26-33, Aug 73 (Rus)

ADOLESCENCE/ ADULT/ ANIMAL
EXPERIMENTS/ EMBRYO, physiology/
ESTROGENS, biosynthesis/ ESTROGENS,
urine/ FEMALE/ FETUS, physiology/ FSH,
physiology/ GONADOTROPINS, PITUITARY,
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MACULA LUTEA, physiology/
MENSTRUATION/ OVARY, embryology/
*OVARY, physiology/ OVULATION/
PERIODICITY/ PREGNANCY/
PROGESTERONE, physiology/ RATS/
REVIEW/ STIMULATION, CHEMICAL

3410. Savenkov DI, Galushka FP, Rodkina BS, et al: Rezultaty lecheniya bol'nykh konio-tuberkulezom antibakterial'nymi preparatami v sobetanii s deksametazolom.
Probl Tuberk 51:37-9, 1973 (Rus)

ADULT/ *ANTITUBERCULAR AGENTS,
therapeutic use/ *DEXAMETHASONE,
therapeutic use/ DRUG SYNERGISM/ DRUG
THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
MIDDLE AGE/ PNEUMOCONIOSIS,
complications/ *PNEUMOCONIOSIS, drug
therapy/ TUBERCULOSIS, PULMONARY,
complications/ *TUBERCULOSIS,
PULMONARY, drug therapy

AUTHOR SECTION

3411. Savin JA: Diseases of the skin. The management of pruritus. Br Med J 4:779-80, 29 Dec 73
ANTHISTAMINICS, therapeutic use/
CLOTHING/ DERMATITIS MEDICAMENTOSA, complications/ DERMATOLOGIC AGENTS, therapeutic use/ DIABETES MELLITUS, complications/ ENVIRONMENT/ EXERCISE TEST/ HISTAMINE, adverse effects/ HUMAN/ MORPHINE, adverse effects/ PLACEBOS/ PRURITUS, etiology/ *PRURITUS, therapy/ SKIN DISEASES, diagnosis/ THYROID DISEASES, complications/ TRIMEPAZINE, therapeutic use/ TRYPSIN, adverse effects
3412. Savitskiĭ SIu: Izmenenie soderzhanie katekholaminov i serotoninu v golovnom mozge pri sostoiannakh giper- i gipotireoza.
Vrach Delo 5:91-4, May 73 (Rus)
ANIMAL EXPERIMENTS/ *BRAIN CHEMISTRY/ *CATECHOLAMINES, analysis/ ENGLISH ABSTRACT/ *HYPERTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, chemically induced/ MALE/ METHYLTHIOURACIL, pharmacodynamics/ RATS/ *SEROTONIN, analysis/ SPECTROMETRY, FLUORESCENCE/ TRIIODOTHYRONINE, pharmacodynamics
3413. Savoy GM, Ylum JJ, Jordan PH Jr, et al: Hyperparathyroidism in patients on chronic hemodialysis. Am J Surg 128:755-7, Dec 73
ADULT/ CALCINOSIS, etiology/ CALCIUM, blood/ *HEMODIALYSIS/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, etiology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ *KIDNEY FAILURE, CHRONIC, complications/ MIDDLE AGE/ PHOSPHORUS, blood
3414. Savushkina AS, Shevchenko ZA, Velikanova LI, et al: Kolichestvennoe opredelenie kortizola i ego metabolitov v moche posle razdeleniia kh metodom tonkosloinnoi khromatografii na silikagele.
Lab Delo 9:566-7, 1973 (Rus)
CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GELS/ HUMAN/ HYDROCORTISONE, metabolism/ *HYDROCORTISONE, urine/ *17-HYDROXYCORTICOSTEROIDS, urine/ *HYPOTHYROIDISM, urine/ MALE/ SILICON
3415. Sawyer PN, Stanczewski B, Ramsey WS Jr, et al: Electrochemical interactions at the endothelial surface. J Supramol Struct 1:417-36, 1973
ANIMAL EXPERIMENTS/ AORTA, anatomy & histology/ AORTA, metabolism/ ARTERIES, drug effects/ *ARTERIES, metabolism/ ARTERIES, pathology/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CITRATES, pharmacodynamics/ DEXTRAN, pharmacodynamics/ DIFFUSION/ DOGS/ ENDOTHELIUM, metabolism/ HEPARIN, pharmacodynamics/ MANOMETRY/ POTASSIUM, metabolism/ THROMBOSIS, metabolism/ THROMBOSIS, pathology/ TIME FACTORS/ VEINS, drug effects/ *VEINS, metabolism/ VEINS, pathology
3416. Sawyer WH, Fackridge J: The dissociation of proteins by chaotropic salts. J Biol Chem 248:8429-33, 25 Dec 73
*ANIONS/ BROMIDES/ CASEIN/ CHLORATES/ CHYMOTRYPSIN/ CONCAVALIN A/ FLUOROACETATES/ HEMOGLOBIN/ LACTOGLOBULINS/ MACROMOLECULAR SYSTEMS/ MATHEMATICS/ NITRATES/ OPTICAL ROTATORY DISPERSION/ OSMOLAR CONCENTRATION/ PROTEIN CONFORMATION/ *PROTEINS/ SODIUM/ SOLUBILITY/ THIOCYANATES/ TRICHLOROACETIC ACID/ ULTRACENTRIFUGATION
3417. Sawyer WT: Letter: Phosphorus depletion and vitamin D metabolism. N Engl J Med 290:345-5, 7 Feb 74
HUMAN/ PARATHYROID HORMONE, physiology/ *PHOSPHORUS, metabolism/ *VITAMIN D, metabolism
3418. Scazziŕa BR, Djelali D, Bonjour M: Scintigraphie et cytoglogie dans le diagnostic prŕcoce du cancer thyroŕdien. Helv Chir Acta 40:715-7, Dec 73 (Fre)
CYTODIAGNOSIS/ DIAGNOSIS, DIFFERENTIAL/ GOITER, NODULAR, diagnosis/ HUMAN/ *RADIOISOTOPE SCANNING/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ TIME FACTORS
3419. Schŕfer KH: Hepatitisaktivierung durch UV-Bestrahlung.
Dtach Med Wochenschr 98:1885, 5 Oct 73 (Ger)
CONVALESCENCE/ *HEPATITIS, HOMOLOGOUS SERUM, etiology/ RICKETS, therapy/ *ULTRAVIOLET RAYS, adverse effects/ ULTRAVIOLET THERAPY
3420. Schalkhŕuser K: Die Behandlung des Prostatakarkzinoms mit Hormonprebblngen (Verlaufsbeobachtungen).
Med Welt 24:1719-21, 2 Nov 73 (Ger)
AGED/ *ESTROGENS, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *PROSTATIC NEOPLASMS, drug therapy
3421. Schally AV, Redding TW, Takahara J, et al: Lack of growth hormone-releasing activity of (pyro)Glu-Ser-Gly-NH₂.
Biochem Biophys Res Commun 55:556-62, 10 Dec 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ CHROMATOGRAPHY, THIN LAYER/ ESTRADIOL/ GLYCINE/ HYPOTHALAMUS/ MALE/ OLIGOPEPTIDES, administration & dosage/ OLIGOPEPTIDES, pharmacodynamics/ PITUITARY GLAND, secretion/ PYRROLIDONECARBOXYLIC ACID/ RADIOIMMUNOASSAY/ RATS/ RESERPINE/ SERINE/ SHEEP/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ *SOMATOTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS
3422. Schŕpler W: Erfahrungen mit Ultralan Kristallsuspension in der orthopŕdischen Praxis.
Med Welt 24:1756-8, 9 Nov 73 (Ger)
ARTHRITIS, drug therapy/ CAPROATES, administration & dosage/ ELBOW JOINT/ INJECTIONS/ INJECTIONS, INTRA-ARTICULAR/ JOINT DISEASES, drug therapy/ *JOINT DISEASES, drug therapy/ ORTHOPEDICS/ *PREGNANES, administration & dosage/ SHOULDER JOINT/ TENDINITIS, drug therapy/ TENOSYNOVITIS, drug therapy
3423. Scharding NN, Oehme FW: The use of animal models for comparative studies of lead poisoning.
Clin Toxicol 8:419-24, 1973
ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BONE AND BONES, growth & development/ *CAT DISEASES, metabolism/ CATS/ CATTLE/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ CONDITIONING, CLASSICAL/ *DISEASE MODELS, ANIMAL/ *DOG DISEASES, metabolism/ DOGS/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LEAD, metabolism/ *LEAD POISONING, veterinary/ MALE/ NERVOUS SYSTEM DISEASES, etiology/ PREGNANCY/ RABBITS/ RATS/ *RODENT DISEASES, metabolism/ *SHEEP DISEASES, metabolism/ SPECIES SPECIFICITY
3424. Scharf JH, Marzotko D, Franz H, et al: Vergleich zweier Mebverfahren fŕr die Kernvariationsstatistik am Beispiel der Nebennierenrindenzelle im Langzeitversuch bei Albinoratten.
Gegenbaurs Morphol Jahrb 119:562-622, 1973 (Ger)
*ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ *CELL NUCLEUS/ COMPARATIVE STUDY/ *KARYOMETRY/ MALE/ MATHEMATICS/ METHODS/ RATS
3425. Schatzmann HJ: Dependence on calcium concentration and stoichiometry of the calcium pump in human red cells. J Physiol (Lond) 235:551-69, Dec 73
ADENOSINE TRIPHOSPHATASE, metabolism/ BENZENESULFONATES/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, blood/

AUTHOR SECTION

- *CALCIUM, metabolism/ CELL MEMBRANE, enzymology/ *ERYTHROCYTES, metabolism/ HUMAN/ IN VITRO/ MATHEMATICS/ MERCURY, metabolism/ ORGANOMETALLIC COMPOUNDS/ TEMPERATURE/ THERMODYNAMICS
3426. Schaumburg BP: Binding of prostaglandin E1 to rat thymocytes.
Biochim Biophys Acta 326:127-39, 17 Oct 73
 ANIMAL EXPERIMENTS/ BINDING SITES/ CHEMISTRY, PHYSICAL/ KINETICS/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, metabolism/ RATS/ TEMPERATURE/ THERMODYNAMICS/ THYMUS GLAND, cytology/ THYMUS GLAND, metabolism/ *THYMUS GLAND, metabolism/ TRITIUM
3427. Schechter MD: Ethanol as a discriminative cue: reduction following depletion of brain serotonin.
Eur J Pharmacol 24:278-81, Nov 73
 *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ *BRAIN, metabolism/ *CUES/ *DISCRIMINATION, drug effects/ ELECTROSHOCK/ FEMALE/ RATS/ *SEROTONIN, metabolism/ TIME FACTORS
3428. Schedewie H, Willich E, Gröbe H, et al: Skeletal findings in homocystinuria: a collaborative study.
Pediatr Radiol 1:12-23, Mar 73
 ADOLESCENCE/ ADULT/ ARM, radiography/ BONE AND BONES, pathology/ *BONE AND BONES, radiography/ CHILD/ EPIPHYSES, pathology/ FEMALE/ FOOT, radiography/ HAND, radiography/ HOMOCYSTINURIA, complications/ *HOMOCYSTINURIA, radiography/ HUMAN/ LEG, radiography/ MALE/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radiography/ SKULL, radiography/ SPINE, radiography
3429. Schega W, Josefak K, Körner M: Die operative Behandlung des Phäochromozytoms.
Med Klin 68:1423-6, 2 Nov 73 (Ger)
 ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ BLOOD PRESSURE, drug effects/ CATECHOLAMINES, blood/ CHILD/ *GANGLIA, AUTONOMIC/ HUMAN/ MALE/ METHODS/ NERVOUS SYSTEM DISEASES, diagnosis/ *NERVOUS SYSTEM DISEASES, surgery/ PHENOXYBENZAMINE, pharmacodynamics/ PHEOCHROMOCYTOMA, diagnosis/ *PHEOCHROMOCYTOMA, surgery/ PREOPERATIVE CARE/ PROGNOSIS/ PULSE, drug effects
3430. Schelke O, Visfeldt J, Petersen B: Male breast cancer. 3. Breast carcinoma in association with the Klinefelter syndrome.
Acta Patol Microbiol Scand [A] 81:352-8, May 73
 AGED/ BIOPSY/ *BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, familial & genetic/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, urine/ ESTROGENS, urine/ GONADOTROPINS, urine/ HUMAN/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ *KLINEFELTER'S SYNDROME, complications/ KLINEFELTER'S SYNDROME, familial & genetic/ KLINEFELTER'S SYNDROME, pathology/ KLINEFELTER'S SYNDROME, urine/ MALE/ SEX CHROMATIN/ SEX CHROMOSOMES/ *TESTIS, pathology
3431. Schein PS: Chemotherapy in advanced ovarian cancer.
Geriatrics 28:89-95, Dec 73 (20 ref.)
 *ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, mortality/ ADENOCARCINOMA, pathology/ ADULT/ AGED/ ALKYLATING AGENTS, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ *CYSTADENOCARCINOMA, drug therapy/ CYSTADENOCARCINOMA, pathology/ *CYSTADENOMA, MUCINOUS, drug therapy/ CYSTADENOMA, MUCINOUS, pathology/ DRUG THERAPY, COMBINATION/
- *ENDOMETRIOSIS, drug therapy/ ENDOMETRIOSIS, pathology/ FEMALE/ FLUOROURACIL, therapeutic use/ HUMAN/ *MESONEPHROMA, drug therapy/ MESONEPHROMA, pathology/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ *OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, radiography/ OVARIAN NEOPLASMS, radiotherapy/ PALLIATIVE TREATMENT/ PERITONEOSCOPY/ REVIEW
3432. Schenker S, Breen KJ, Hoyumpa AM Jr: Hepatic encephalopathy: current status.
Gastroenterology 66:121-51, Jan 74 (286 ref.)
 ADRENAL CORTEX HORMONES, therapeutic use/ AMINO ACIDS, metabolism/ AMMONIA, blood/ ANIMAL EXPERIMENTS/ ANTIBIOTICS, therapeutic use/ BIOGENIC AMINES, metabolism/ DIURETICS, adverse effects/ DOPA, therapeutic use/ ENERGY METABOLISM/ EXCHANGE TRANSFUSION/ FATTY ACIDS, metabolism/ *HEPATIC COMA, etiology/ HEPATIC COMA, metabolism/ HEPATIC COMA, pathology/ HEPATIC COMA, physiopathology/ HEPATIC COMA, therapy/ HUMAN/ HYPNOTICS AND SEDATIVES, adverse effects/ INTESTINES, microbiology/ INTESTINES, surgery/ LACTULOSE, therapeutic use/ LIVER DISEASES, metabolism/ NEUROLOGIC MANIFESTATIONS/ OXYGEN CONSUMPTION/ PORTACAVAL ANASTOMOSIS/ REVIEW
3433. Scheuba G, Staudacher M: Zur Problematik kombinierter Knochen- und Gefäßverletzungen.
Monatsschr Unfallheilkd 76:381-6, Aug 73 (Ger)
 ADOLESCENCE/ ADULT/ AGED/ *BLOOD VESSELS, injuries/ *BONE AND BONES, injuries/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ FEMORAL VEIN, injuries/ FRACTURES, complications/ HUMAN/ MALE/ PELVIC BONES, radiography/ SAPHENOUS VEIN, injuries
3434. Schiff M Jr, Weiss RM, Kraus P, et al: Acute urinary retention following renal transplantation.
Urology 1:108-10, Feb 73
 ACUTE DISEASE/ AZATHIOPRINE, pharmacodynamics/ BLADDER, surgery/ BLADDER NECK OBSTRUCTION, etiology/ BLOOD UREA NITROGEN/ DIURESIS/ GRAFT REJECTION, drug effects/ HEMODIALYSIS/ HUMAN/ *KIDNEY, transplantation/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ PREDNISONE, pharmacodynamics/ PROSTATECTOMY/ *PROSTATIC HYPERTROPHY, complications/ TRANSPLANTATION, HOMOLOGOUS/ URINARY DIVERSION/ *URINATION DISORDERS, etiology
3435. Schimmack W, Lohmann W: Hydrogen bonds between sexual hormones and nucleobases: NMR investigations.
Z Naturforsch [C] 28:494-8, Sep-Oct 73
 *ADENINE/ CHEMISTRY/ ESTRADIOL/ MESTRANOL/ METHYLATION/ NUCLEAR MAGNETIC RESONANCE/ PROGESTERONE/ PROTEIN BINDING/ PROTONS/ *SEX HORMONES/ TESTOSTERONE/ THERMODYNAMICS/ *URACIL
3436. Schimmel RJ: The influence of extracellular calcium ion on hormone-activated lipolysis.
Biochim Biophys Acta 326:272-8, 29 Nov 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CATECHOLAMINES, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ GLUCAGON, pharmacodynamics/ *HORMONES, pharmacodynamics/ HYDROLYSIS/

AUTHOR SECTION

- ISOPROTERENOL, pharmacodynamics/
LIPIDS, metabolism/ MALE/
NOREPINEPHRINE, pharmacodynamics/ RATS/
SECRETIN, pharmacodynamics/
THEOPHYLLINE, pharmacodynamics/
THYROTROPIN, pharmacodynamics
3437. Schlimmer BP: Influence of lithium ions on epinephrine-stimulated adenylate cyclase activity in cultured glial tumor cells.
Blochim Biophys Acta 327:186-92, 15 Nov 73
ACETIC ACIDS/ ADENOSINE
TRIPHOSPHATE, pharmacodynamics/
*ADENYL CYCLASE, metabolism/
*ASTROCYTOMA, enzymology/
ASTROCYTOMA, pathology/ CALCIUM,
pharmacodynamics/ CARBON
RADIOISOTOPES/ CLONE CELLS/ ENZYME
ACTIVATION/ *EPINEPHRINE,
pharmacodynamics/ GLYCOLS/ KINETICS/
*LITHIUM, pharmacodynamics/ MAGNESIUM,
pharmacodynamics/ NEUROGLIA/ RATS/
SUBCELLULAR FRACTIONS, drug effects/
SUBCELLULAR FRACTIONS, enzymology/
TRITIUM
3438. Schindl R, Mayer K: Lokale Enzymtherapie maligner Pleuraergüsse.
Wien Klin Wochenschr 85:853-4, 28 Dec 73 (Ger)
BREAST NEOPLASMS, complications/
BRONCHIAL NEOPLASMS, complications/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
OVARIAN NEOPLASMS, complications/
PALLIATIVE TREATMENT/ PEPTIDE
HYDROLASES, administration & dosage/
*PEPTIDE HYDROLASES, therapeutic use/
PLEURA, pathology/ *PLEURAL EFFUSION,
drug therapy/ PLEURAL EFFUSION, etiology
3439. Schirazi M, Schwarz J, Oertel GW: Steroid conjugates in plasma. XXVII. Binding of DHEA sulfate and DHEA sulfate to human plasma proteins as studied by electrophoresis. Steroids Lipids Res 4:98-104, Mar 73
BINDING SITES/ *BLOOD PROTEINS,
metabolism/ CELLULOSE/ COMPARATIVE
STUDY/ *DEHYDROEPIANDROSTERONE,
metabolism/ ELECTROPHORESIS/ HUMAN/
IMMUNOELECTROPHORESIS/ MALE/
POLYSACCHARIDES/ PROTEIN BINDING/
SULFATES/ SULFATIDES/ TRITIUM
3440. Schirren C, Thiesenhausen HJ von: Untersuchungen des Hodengewebes bei andrologischen Patienten mit Orchitis, Epididymitis und traumatischer Hodenschädigung in der Anamnese.
Andrologie 4:327-42, 1972 (Ger)
ADULT/ BIOPSY/ ENGLISH ABSTRACT/
*EPIDIDYMITIS, pathology/ HUMAN/ MALE/
*ORCHITIS, pathology/ *TESTIS, injuries/
TESTIS, pathology
3441. Schmelzle R, Brockmüller KD, Klaus D, et al: Plasmareninaktivität unter kontrollierter Hypotension mit Trimethaphan.
Med Welt 24:1848-9, 26 Oct 73 (Ger)
ADOLESCENCE/ ADULT/ HUMAN/
*HYPOTENSION, CONTROLLED/ MIDDLE
AGE/ NEUROLEPTOANALGESIA/ *RENIN,
blood/ *TRIMETHAPHAN
3442. Schmlalek P, Borowski M, Geyer A, et al: Die Epidermis von Tenebrio molitor L. Puppen als Zielorgan für das Juvenilhormonanalogue
10.11-Epoxy-6.7-trans-2.3-trans-farnesylpropenyläther.
Z Naturforsch [C] 28:173-7, Mar-Apr 73 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ ETHERS, pharmacodynamics/
*ETHERS, CYCLIC, metabolism/ *JUVENILE
HORMONES, metabolism/ LYMPH/ PUPA/
*RECEPTORS, HORMONE/
SESQUITERPENES, pharmacodynamics/ *SKIN,
metabolism/ TENEBRIO
3443. Schmid PG, Nelson LD, Mark AL, et al: Inhibition of adrenergic vasoconstriction by quinidine.
J Pharmacol Exp Ther 188:124-34, Jan 74
ADULT/ ANALYSIS OF VARIANCE/
ANGIOTENSIN, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BLOOD PRESSURE, drug
effects/ *BLOOD VESSELS, drug effects/
DENERVATION/ DOGS/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ELECTRIC
STIMULATION/ FOREARM, blood supply/
GLYCERYL TRINITRATE, pharmacodynamics/
HEART RATE, drug effects/ HINDLIMB,
innervation/ HUMAN/ MALE/ MUSCLES,
blood supply/ MUSCLES, innervation/
NOREPINEPHRINE, antagonists & inhibitors/
PERFUSION/ *QUINIDINE, pharmacodynamics/
REGIONAL BLOOD FLOW, drug effects/
SEROTONIN, pharmacodynamics/
*SYMPATHETIC NERVOUS SYSTEM, drug
effects/ TIME FACTORS
3444. Schmidt K, Brettmaler E, Aelkens B, et al: Spin-Glitter Relaxationszeit der Protonen des Zellwassers in normalen und tumorösen Geweben des Menschen.
Z Krebsforsch 80:209-22, 6 Dec 73 (Ger)
*BODY WATER, analysis/ BREAST, cytology/
BREAST NEOPLASMS, pathology/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ LIVER,
cytology/ LIVER NEOPLASMS, pathology/
LUNG, cytology/ LUNG NEOPLASMS,
pathology/ *NEOPLASMS, pathology/
*NUCLEAR MAGNETIC RESONANCE/
OVARIAN NEOPLASMS, pathology/ OVARY,
cytology/ *PROTONS/ STOMACH, cytology/
STOMACH NEOPLASMS, pathology/ THYROID
GLAND, cytology/ THYROID NEOPLASMS,
pathology/ UTERINE NEOPLASMS, pathology/
UTERUS, cytology
3445. Schmidt MJ, Sokoloff L: Activity of cyclic AMP-dependent microsomal protein kinase and phosphorylation of ribosomal protein in rat brain during postnatal development.
J Neurochem 21:1193-205, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ AGING/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
BRAIN, cytology/ *BRAIN, enzymology/
BRAIN, growth & development/
CENTRIFUGATION, DENSITY GRADIENT/
CHROMATOGRAPHY, DEAE-CELLULOSE/
FEMALE/ HISTONES, metabolism/ IN VITRO/
*MICROSOMES, enzymology/ MICROSOMES,
metabolism/ *NERVE TISSUE PROTEINS,
metabolism/ OSMOLAR CONCENTRATION/
OXIDATIVE PHOSPHORYLATION/
PHOSPHORUS RADIOISOTOPES/
PREGNANCY/ *PROTEIN KINASE,
metabolism/ RATS/ *RIBOSOMES, metabolism/
STIMULATION, CHEMICAL/ THYMUS GLAND
3446. Schmidt P, Zazgornik J, Kopsa H, et al: Schwere renale Abstoßungsreaktion mit dem klinischen Bild der akuten Niereninsuffizienz.
Wien Klin Wochenschr 85:781-3, 23 Nov 73 (Ger)
ADULT/ ANURIA, etiology/ DIAGNOSIS,
DIFFERENTIAL/ ENGLISH ABSTRACT/
*GRAFT REJECTION/ HEMODIALYSIS/
HUMAN/ KIDNEY, blood supply/ KIDNEY,
transplantation/ *KIDNEY FAILURE, ACUTE,
diagnosis/ KIDNEY FAILURE, ACUTE,
therapy/ MALE/ PREDNISOLONE,
administration & dosage/ REGIONAL BLOOD
FLOW/ TIME FACTORS/
TRANSPLANTATION, AUTOLOGOUS
3447. Schmidt RE, Butler TM: Glomerulonephritis and uremia in a chimpanzee. J Med Primatol 2:144-54, 1973
ANIMAL EXPERIMENTS/ *CHIMPANZEES/
DUODENAL ULCER, pathology/ DUODENAL
ULCER, veterinary/ EDEMA, pathology/
EDEMA, veterinary/ FEMALE/
GLOMERULONEPHRITIS, complications/
GLOMERULONEPHRITIS, pathology/
HEMATOCRIT/ HEMORRHAGE,
GASTROINTESTINAL, pathology/
HEMORRHAGE, GASTROINTESTINAL,
veterinary/ KIDNEY, pathology/ LIVER,
pathology/ NECROSIS/ PERICARDIUM,
pathology/ THYROID GLAND, pathology/
UREMIA, complications/ *UREMIA, veterinary
3448. Schmidt SS, Morris RR: Spermatc granuloma: the complication of vasectomy.
Fertil Steril 24:941-7, Dec 73
CALCINOSIS, complications/ CALCINOSIS,

AUTHOR SECTION

- pathology/ EPIDIDYMISS, pathology/ GENITAL DISEASES, MALE, complications/ *GENITAL DISEASES, MALE, etiology/ *GRANULOMA, etiology/ GRANULOMA, pathology/ HUMAN/ LIGATION/ MALE/ *POSTOPERATIVE COMPLICATIONS/ TESTICULAR DISEASES, etiology/ VAS DEFERENS, pathology/ *VASECTOMY
3449. Schmidt-Wiederkehr P: Zur Morphologie und Histochemie des Inselapparates beim experimentellen Steroiddiabetes des Meerschweinchens, insbesondere unter dem Einfluss von Actinomycin. Endokrinologie 61:237-50, May 73 (Ger) ACETIC ACIDS/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CORTISONE/ *DACTINOMYCIN, pharmacodynamics/ DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, enzymology/ *DIABETES MELLITUS, pathology/ ENGLISH ABSTRACT/ ESTERASES, analysis/ GLUCOSEPHOSPHATASE, analysis/ GUINEA PIGS/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, enzymology/ ISLANDS OF LANGERHANS, pathology/ MALE/ MEMBRANES/ MICROSCOPY, ELECTRON/ RIBOSOMES
3450. Schnelder F, Boller A, Müller M, et al: Uher den Verlauf der Umsetzung von Steroid-3,5-dienaminen mit Formaldehyd. Helv Chim Acta 56:2396-404, Jul 73 (Ger) ALCOHOL, METHYL/ AMINES/ *ANDROSTENEDIONE/ CHEMISTRY/ ENGLISH ABSTRACT/ FORMALDEHYDE/ HYDROXYSTEROIDS/ ISOMERISM/ OPTICAL ROTATORY DISPERSION
3451. Schnelder H, Ziegelsch HJ: Remissionsphasen beim Diabetes mellitus. Z Aerztli Fortbild (Jena) 67:666-70, 1 Jul 73 (Ger) ACID-BASE EQUILIBRIUM/ BLOOD SUGAR, analysis/ *DIABETES MELLITUS, physiopathology/ FOLLOW-UP STUDIES/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, administration & dosage/ KIMMELSTIEL-WILSON SYNDROME, physiopathology/ MALE/ MIDDLE AGE/ POTASSIUM CHLORIDE, therapeutic use/ PREDNISOLONE, diagnostic use/ REMISSION/ TROMETHAMINE, therapeutic use
3452. Schnelder LE, Wilson HD, Schedl HP: Intestinal calcium binding protein in the diabetic rat. Nature 245:327-8, 12 Oct 73 ACRYLAMIDES/ *ALLOXAN DIABETES, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ DUODENUM, analysis/ *DUODENUM, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ GEL FILTRATION/ INTESTINAL MUCOSA, analysis/ *INTESTINAL MUCOSA, metabolism/ MALE/ *PROTEIN BINDING/ PROTEINS, analysis/ RATS
3453. Schnelder PB: TSH stimulation of 32P incorporation into phospholipids of thyroids from patients with Graves' disease. J Clin Endocrinol Metab 38:148-50, Jan 74 ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ FEMALE/ *GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ IN VITRO/ *PHOSPHOLIPIDS, metabolism/ *PHOSPHORUS, metabolism/ PHOSPHORUS RADIOISOTOPES/ RECEPTORS, HORMONE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics
3454. Schneider V, Bieling C, Schindler AE, et al: Inkarnierte Treitzsche Hernie als seltene Ursache eines Ileus in der Schwangerschaft. Geburtshilfe Frauenheilkd 33:877-81, Nov 73 (Ger) ABORTION, INDUCED/ ACIDOSIS, complications/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ *DUODENAL DISEASES/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, etiology/ GERMANY, WEST/ *HERNIA, complications/ HERNIA, surgery/ HUMAN/ HYPEREMESIS GRAVIDARUM, diagnosis/ INTESTINAL OBSTRUCTION, diagnosis/ *INTESTINAL OBSTRUCTION, etiology/ INTESTINAL OBSTRUCTION, occurrence/ INTESTINAL OBSTRUCTION, surgery/ JEJUNUM/ LAPAROTOMY/ PAIN/ PREGNANCY/ PROTAGLANDINS, therapeutic use/ PYELITIS, etiology/ VOMITING, etiology
3455. Schnurr E, Schröder E: Diagnostik differenzieller Ippotassemie. Minerva Med 64:3994-7, 27 Oct 73 (Ita) DIAGNOSIS, DIFFERENTIAL/ DIURETICS, adverse effects/ ENDOCRINE DISEASES, complications/ GASTROINTESTINAL DISEASES, complications/ HUMAN/ HYPOKALEMIA, chemically induced/ *HYPOKALEMIA, diagnosis/ HYPOKALEMIA, etiology/ KIDNEY DISEASES, complications
3456. Schochet SS Jr, McCormick WF, Halmi NS: Pituitary gland in patients with Hurler syndrome. Light and electron microscopic study. Arch Pathol 97:96-9, Feb 74 AUTOPSY/ CELL NUCLEUS/ CELLULAR INCLUSIONS/ ENDOPLASMIC RETICULUM/ HUMAN/ LIPOCHONDRODYSTROPHY, familial & genetic/ *LIPOCHONDRODYSTROPHY, pathology/ LYSOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *PITUITARY GLAND, pathology/ SYNDROME
3457. Schoenemann PT, Yesair DW, Coffey JJ, et al: Pharmacokinetic consequences of plasma protein binding of drugs. Ann NY Acad Sci 226:162-71, 26 Nov 73 ALDOSTERONE, blood/ BINDING SITES/ *BLOOD PROTEINS, metabolism/ *DRUGS, blood/ HALF-LIFE/ KINETICS/ MODELS, BIOLOGICAL/ OSMOLAR CONCENTRATION/ *PROTEIN BINDING/ THYROXINE, blood/ TIME FACTORS
3458. Scholz A, Roder H: Die Virgo barhata dresdensis und weitere Beispiele der Hirsutismusdarstellung in der bildenden Kunst. Dermatol Monatsschr 159:673-84, Jul 73 (Ger) GERMANY/ HERMAPHRODITISM/ *HIRSUTISM/ ITALY/ *MEDICINE IN ART/ SPAIN
3459. Schonoau Jorgensen F, Kehlet H: Urinary excretion of free cortisol in hypercalcaemia. Acta Endocrinol (Kbh) 74:122-6, Sep 73 ADENOMA, urine/ ADULT/ AGED/ CALCIUM, blood/ CHRONIC DISEASE/ CREATININE, urine/ FEMALE/ HYDROCORTISONE, blood/ *HYDROCORTISONE, urine/ HYPERCALCEMIA, blood/ *HYPERCALCEMIA, urine/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, urine/ HYPOPARATHYROIDISM, blood/ HYPOPARATHYROIDISM, urine/ MALE/ METHODS/ MIDDLE AGE/ PROTEIN BINDING/ THYROID NEOPLASMS, urine/ TIME FACTORS
3460. Schönberg D: Diagnostik und Therapie des hypophysären Minderwuchses. Monatsschr Kinderheilkd 121:652-5, Oct 73 (Ger) ARGININE, diagnostic use/ CHILD/ DWARFISM, PITUITARY, blood/ *DWARFISM, PITUITARY, diagnosis/ DWARFISM, PITUITARY, drug therapy/ ENGLISH ABSTRACT/ ETHYLESTRENOL, therapeutic use/ FOLLOW-UP STUDIES/ GROWTH DISORDERS, physiopathology/ HUMAN/ INSULIN, diagnostic use/ PITUITARY HORMONES, ANTERIOR, secretion/ RADIOIMMUNOASSAY/ SEX FACTORS/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ SOMATOTROPIN, therapeutic use/ SOMATOTROPIN RELEASING HORMONE, secretion
3461. Schönberger A, Böttcher V, Waldmann W: Zum Krankheitsbild der ektopischen Schilddrüse. Dtsch Zahn Mund Kieferheilkd 61:85-92, Aug 73 (Ger) ADOLESCENCE/ BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/

AUTHOR SECTION

- HYPOTHYROIDISM, diagnosis/
*HYPOTHYROIDISM, etiology/ MOUTH
FLOOR, abnormalities/ RADIOISOTOPE
SCANNING/ *THYROID GLAND,
abnormalities/ TONGUE
3462. Schönfeld J, Schreilman S, Pick AI: [Alpha-fetoprotein in embryonal cell carcinoma of the testis] Harefuah 85:163-5, 15 Aug 73 (Heb)
ELECTROPHORESIS, POLYACRYLAMIDE
GEL/ ENGLISH ABSTRACT/ *FETAL
GLOBULINS, analysis/ GEL DIFFUSION
TESTS/ HUMAN/ NEOPLASM METASTASIS/
*TERATOID TUMOR, diagnosis/ *TESTICULAR
NEOPLASMS, diagnosis
3463. Schoot P van der: Proceedings: Cyclical activity of ovarian transplants in neonatally castrated male rats. J Reprod Fertil 35:581-2, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
*ANIMALS, NEWBORN/ *CASTRATION/
ESTRADIOL, pharmacodynamics/ FEMALE/
MALE/ OVARY, anatomy & histology/
*OVARY, transplantation/ *OVULATION/
OVULATION, drug effects/ RATS/
TRANSPLANTATION, HOMOLOGOUS
3464. Schott B, Michel D, Mouret J, et al: Monoamines et régulation de la vigilance. II. Syndromes lésionnels du système nerveux central. Rev Neurol (Paris) 127:157-71, Jul 72 (Fre)
*ATTENTION/ BRAIN DISEASES,
cerebrospinal fluid/ BRAIN DISEASES,
complications/ BRAIN DISEASES, diagnosis/
BRAIN DISEASES, physiopathology/
CATECHOLAMINES, pharmacodynamics/
COMA, physiopathology/ DOPA,
pharmacodynamics/
ELECTROENCEPHALOGRAPHY/ EYE
MOVEMENTS/ HUMAN/ INSOMNIA, etiology/
PROBENECID, cerebrospinal fluid/
SEROTONIN, pharmacodynamics/ SLEEP/
SLEEP DISORDERS, diagnosis/ SLEEP
DISORDERS, etiology/ TIME FACTORS/
*WAKEFULNESS
3465. Schott G: Selbstkastration aus sadistischer triebperversion, zugleich ein Beitrag zur Antandrogentherapie. Psychiatr Neurol Med Psychol (Leipzig) 25:435-42, Jul 73 (Ger)
ADULT/ *ANDROGENS, antagonists &
inhibitors/ *CASTRATION/ CYPROTERONE,
pharmacodynamics/ ENGLISH ABSTRACT/
HUMAN/ MALE/ *SADISM/ *SELF
MUTILATION
3466. Schreiber V: Dopaminergní neuronů v hypothalamo-hypofyziálním systému. Cesk Fysiol 22:213-24, Mar 73 (Cze)
*DOPAMINE, biosynthesis/ FEMALE/ HUMAN/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
metabolism/ MALE/ *NEURONS, metabolism/
PITUITARY HORMONE RELEASING
HORMONES, metabolism/ PROLACTIN,
secretion
3467. Schreiber V, Příbyl T, Jahodová J: Time course of weight increase of anterior pituitary and thyroxine binding to adenopituitary proteins after a single administration of estrogen. Endocrinol Exp (Bratisl) 7:301-6, 1973
ANIMAL EXPERIMENTS/ ESTRADIOL,
administration & dosage/ ESTRADIOL,
metabolism/ *ESTRADIOL, pharmacodynamics/
LEUKOPENIA, chemically induced/ MALE/
ORGAN WEIGHT/ *PITUITARY GLAND, drug
effects/ PITUITARY GLAND, metabolism/
RATS/ THROMBOCYTOSIS,
chemically induced/ THROMBOCYTOSIS,
chemically induced/ *THYROID-BINDING
PROTEIN, metabolism/ TIME FACTORS
3468. Schröcksnadel H, Bator A, Frick J: Plasma estradiol-17beta level in the domestic fowl. Steroids 22:767-73, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANTIBODIES/ BLOOD PROTEIN
ELECTROPHORESIS/ CHICKENS/
*ESTRADIOL, blood/ FEMALE/ LIPIDS,
blood/ MALE/ RADIOIMMUNOASSAY/ SEX
FACTORS/ TRITIUM
3469. Schröder CH, Hsie AW: Morphological transformation of enucleated Chinese hamster ovary cells by dibutyl adenine 3',5'-monophosphate and hormones. Nature [New Biol] 246:58-60, 14 Nov 73
CELL FRACTIONATION/ *CELL NUCLEUS/
*CELLS, CULTURED, drug effects/ CLONE
CELLS/ DIBUTYRYL CYCLIC AMP,
antagonists & inhibitors/ *DIBUTYRYL
CYCLIC AMP, pharmacodynamics/ FEMALE/
HAMSTERS/ OVARY/ PROSTAGLANDINS,
antagonists & inhibitors/ *PROSTAGLANDINS,
pharmacodynamics/ VINBLASTINE,
pharmacodynamics
3470. Schroeder TM: Die spontane Chromosomeninstabilität bei den seltenen Erbkrankheiten: Fanconi-Anämie und Bloom-Syndrom. Dtsch Med Wochenschr 98:2213-5, 16 Nov 73 (Ger)
*ABNORMALITIES, MULTIPLE, familial &
genetic/ *ANEMIA, APLASTIC, familial &
genetic/ CHROMATIDS/ *CHROMOSOME
ABNORMALITIES, blood/ CHROMOSOMES,
HUMAN, 1-3/ CHROMOSOMES, HUMAN, 16-18/
CHROMOSOMES, HUMAN, 19-20/ *DWARFISM,
familial & genetic/ *ERYTHEMA, familial &
genetic/ *FACIAL DERMATOSES, familial &
genetic/ HUMAN/ KARYOTYPING/
LYMPHOCYTES, analysis/
*PHOTODENSITIZATION, familial & genetic/
SYNDROME/ *TELANGIECTASIS, congenital
3471. Schrottner WG: Thyroid function tests--an enigma? Hawaii Med J 32:325-6, Sep-Oct 73
HUMAN/ HYPERTHYROIDISM, diagnosis/
HYPOTHYROIDISM, diagnosis/ PROTEIN
BINDING/ SERUM GLOBULINS, analysis/
*THYROID GLAND FUNCTION TESTS/
THYRONINE, blood/ TRIIODOTHYRONINE,
blood
3472. Schryver HF, Hintz HF, Lowe JE, et al: Mineral composition of the whole body, liver and bone of young horses. J Nutr 104:126-32, Jan 74
AGE FACTORS/ ANIMAL EXPERIMENTS/
ANIMAL NUTRITION/ BODY COMPOSITION/
*BONE AND BONES, metabolism/ CALCIUM,
metabolism/ *CALCIUM, DIETARY,
administration & dosage/ COPPER,
metabolism/ FEMALE/ GROWTH/ HORSES/
IRON, metabolism/ LIPIDS, metabolism/
*LIVER, metabolism/ MAGNESIUM,
metabolism/ MALE/ MANGANESE,
metabolism/ *METALS, metabolism/
NUTRITIONAL REQUIREMENTS/
PHOSPHORUS, administration & dosage/
*PHOSPHORUS, metabolism/ POTASSIUM,
metabolism/ SODIUM, metabolism/ ZINC,
metabolism
3473. Schubert J: Effect of chronic lithium treatment on monoamine metabolism in rat brain. Psychopharmacologia 32:301-11, 28 Sep 73
ADMINISTRATION, ORAL/ ANIMAL
EXPERIMENTS/ BODY WEIGHT,
drug effects/ *BRAIN, metabolism/ CARBON
RADIOISOTOPES/ DOPAMINE, metabolism/
*HYDROXYINDOLEACETIC ACID, metabolism/
LITHIUM, administration & dosage/ LITHIUM,
blood/ *LITHIUM, pharmacodynamics/ LIVER,
enzymology/ MALE/ NOREPINEPHRINE,
metabolism/ RATS/ *SEROTONIN, metabolism/
SPINAL CORD, metabolism/ TRITIUM/
TRYPTOPHAN, blood/ *TRYPTOPHAN,
metabolism/ TRYPTOPHAN OXYGENASE,
blood/ TYROSINE, metabolism
3474. Schuhmann R: Die Früherkennung des gynäkologischen Karzinoms in der Praxis. Z Allgemeinmed 49:1380-2, 20 Oct 73 (Ger)
BREAST NEOPLASMS, diagnosis/ CERVIX
NEOPLASMS, diagnosis/ CYTODIAGNOSIS/
FEMALE/ *GYNECOLOGIC NEOPLASMS,
diagnosis/ HUMAN/ OVARIAN NEOPLASMS,
diagnosis/ PALPATION/ UTERINE
NEOPLASMS, diagnosis/ VAGINAL
NEOPLASMS, diagnosis/ VAGINAL SMEARS

AUTHOR SECTION

3475. Schukowski H: Häufige Fehler bei der Stoffwechselführung von Diabetikern im Kindesalter. Z Aertzl Fortbild (Jena) 67:684-9, 1 Jul 73 (Ger) ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, JUVENILE, metabolism/ *DIABETES MELLITUS, JUVENILE, therapy/ *DIET THERAPY/ DIETARY CARBOHYDRATES, therapeutic use/ DIETARY FATS, therapeutic use/ DIETARY PROTEINS, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ INFANT, NEWBORN/ INSULIN, administration & dosage/ INSULIN, therapeutic use/ MALE/ PUBERTY
3476. Schüler L: Die Wirkung des synthetischen Gestagens Chlormadinonacetat auf den Sexualzyklus der Maus. Z Versuchstlerkd 15:228-34, 1973 (Ger) ANIMAL EXPERIMENTS/ *CHLORMADINONE, pharmacodynamics/ ENGLISH ABSTRACT/ *ESTRUS, drug effects/ FEMALE/ MALE/ MICE
3477. Schulte-Wissermann H, Straub E: Intravitale Trypanblau-Speicherung in den Epithelzellen des proximalen Nierentubulus nach Sublimat-Intoxikation und anschließender L-Thyroxin-Behandlung. Virchows Arch [Pathol Anat] 359:255-66, 28 May 73 (Ger) ANIMAL EXPERIMENTS/ DISEASE MODELS, ANIMAL/ EPITHELIAL CELLS, metabolism/ KIDNEY FAILURE, ACUTE, drug therapy/ KIDNEY FUNCTION TESTS/ *KIDNEY TUBULES, PROXIMAL, metabolism/ MALE/ *MERCURY POISONING, metabolism/ RATS/ THYROXINE, therapeutic use/ TRYPAN BLUE, diagnostic use/ *TRYPAN BLUE, metabolism
3478. Schultz J, Daly JW: Accumulation of cyclic adenosine 3', 5'-monophosphate in cerebral cortical slices from rat and mouse: stimulatory effect of alpha- and beta-adrenergic agents and adenosine. J Neurochem 21:1319-26, Nov 73 *ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ *CEREBRAL CORTEX, metabolism/ DIPHENHYDRAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MICE/ NOREPINEPHRINE, pharmacodynamics/ *PAPAVERINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *SYMPATHOMIMETICS, pharmacodynamics/ TIME FACTORS/ XANTHINES, pharmacodynamics
3479. Schulz A, Dellng G: Bone disease in two cases of cystinosis--histomorphometric analysis of the vitamin D effect. Beitr Pathol 150:43-54, Oct 73 BONE DISEASES, complications/ BONE DISEASES, drug therapy/ *BONE DISEASES, pathology/ CHILD/ CHILD, PRESCHOOL/ CYSTINOSIS, complications/ CYSTINOSIS, drug therapy/ CYSTINOSIS, pathology/ *FANCONI SYNDROME, complications/ FANCONI SYNDROME, drug therapy/ FANCONI SYNDROME, pathology/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ NEPHRITIS, INTERSTITIAL, complications/ OSTEOMALACIA, complications/ SYNDROME/ VITAMIN D, therapeutic use
3480. Schulz H, Unger H, Schwarzberg H: Stimulation of diencephalon: effect on multi-unit discharge rate of hypothalamic neurons and on the EEG in rabbits. Endocrinol Exp (Bratisl) 7:251-65, 1973 ANIMAL EXPERIMENTS/ *DIENCEPHALON, physiology/ ELECTRIC STIMULATION/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, physiology/ MALE/ NEURAL CONDUCTION/ *NEURONS, physiology/ NEUROSECRETORY SYSTEMS, physiology/ OXYTOCIN, physiology/ RABBITS/ VASOPRESSIN, physiology
3481. Schulz KD, August S: Female endocrine control mechanisms during the neonatal period. 3. The effect of clomiphene citrate. Acta Endocrinol (Kbh) 74:144-56, Sep 73 ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ *CLOMIPHENE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ GUINEA PIGS/ LEUCINE, metabolism/ LIVER, drug effects/ LIVER, metabolism/ OVARY, drug effects/ *OVARY, metabolism/ *PROTEINS, biosynthesis/ *RNA, biosynthesis/ STEREOISOMERS/ STIMULATION, CHEMICAL/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism/ UTERUS, drug effects/ *UTERUS, metabolism
3482. Schurer W, Erve PR: Antileptotoxin effect of disodium cromoglycate. Toxicol 11:509-11, Oct 73 ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *ANTITOXINS/ *DISODIUM CROMOGLYCAT, pharmacodynamics/ *ENDOTOXINS/ ESCHERICHIA COLI/ MALE/ RATS
3483. Schwartz A, Lewis RM, Hanley HG, et al: Hemodynamic and biochemical effects of a new positive inotropic agent. Antibiotic ionophore RO 2-2985. Circ Res 40:102-11, Jan 74 ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADRENERGIC BETA RECEPTOR BLOCKADERS, administration & dosage/ ANIMAL EXPERIMENTS/ *ANTIBIOTICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CALCIUM, metabolism/ *CARBOXYLIC ACIDS, pharmacodynamics/ CHEMISTRY/ DOGS/ HEART, drug effects/ HEART RATE, drug effects/ HEART VENTRICLE/ *HEMODYNAMICS, drug effects/ ION EXCHANGE/ MUSCLE, SMOOTH, drug effects/ POTASSIUM/ RESERPINE, administration & dosage/ SARCOPLASMIC RETICULUM, metabolism/ SODIUM/ VASCULAR RESISTANCE, drug effects
3484. Schwartz AG: Protective effect of benzoflavone and estrogen against 7,12-dimethylbenz(a)anthracene- and aflatoxin-induced cytotoxicity in cultured liver cells. Cancer Res 34:10-5, Jan 74 *AFLATOXIN, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *BENZANTHRACENES, antagonists & inhibitors/ CELL DIVISION, drug effects/ CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CELLS, CULTURED/ *ESTRADIOL, pharmacodynamics/ *FLAVONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ *LIVER, drug effects/ LIVER, metabolism/ PROGESTERONE, pharmacodynamics/ RATS/ THYMIDINE, metabolism/ TRITIUM
3485. Schwartz AL, Rall TW: Hormonal regulation of glycogen metabolism in neonatal rat liver. Biochem J 134:985-93, Aug 73 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ CARBON RADIOISOTOPES/ EPINEPHRINE/ FETUS/ GLUCAGON, pharmacodynamics/ GLUCOSE, metabolism/ GLUCOSYLTRANSFERASES, metabolism/ GLYCOGEN, biosynthesis/ GLYCOGEN SYNTHETASE, analysis/ *HORMONES, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ *LIVER, enzymology/ *LIVER GLYCOGEN, metabolism/ ORGAN CULTURE/ RATS
3486. Schwesinger G, Meng W: Beitrag zur Nebennierenzyste. Z Gesamte Inn Med 28:564-6, 15 Sep 73 (Ger) *ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, pathology/ AGED/ AUTOPSY/ *CYSTS, diagnosis/ CYSTS,

AUTHOR SECTION

- pathology/ ENGLISH ABSTRACT/ FEMALE/
HUMAN
3487. Sclarra F, Concolino G, Sorcini G, et al: Plasma concentrations of testosterone and dihydrotestosterone during the menstrual cycle of women affected by simple hirsutism. II. Folia Endocrinol (Roma) 26:288-92, Aug 73
ADOLESCENCE/ ADULT/ FEMALE/
*HIRSUTISM, blood/ HUMAN/
*MENSTRUATION/ PROTEIN BINDING/
*STANOLONE, blood/ *TESTOSTERONE, blood
3488. Sclarra F, Concolino G, Sorcini G, et al: Determination of plasma testosterone and dihydrotestosterone in women affected by simple hirsutism. I. Folia Endocrinol (Roma) 26:281-7, Aug 73
ADULT/ FEMALE/ *HIRSUTISM, blood/
HIRSUTISM, etiology/ HUMAN/ PROTEIN BINDING/ STANOLONE, analysis/
*STANOLONE, blood/ STANOLONE, metabolism/ TESTOSTERONE, analysis/
*TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ VIRILISM, blood/ VIRILISM, etiology
3489. Sclarra F, Sorcini G, Di Silverio F, et al: Plasma testosterone and androstenedione after orchectomy in prostatic adenocarcinoma. Clin Endocrinol (Oxf) 2:101-9, Apr 73
*ADENOCARCINOMA, therapy/ ADRENAL GLANDS, secretion/ AGED/
*ANDROSTENEDIONE, blood/ CASTRATION/ DEXAMETHASONE, diagnostic use/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/
17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ *PROSTATIC NEOPLASMS, therapy/
*TESTIS, surgery/ *TESTOSTERONE, blood/ TIME FACTORS
3490. Sciafani A: Deficits in glucose appetite and satiety produced by ventromedial hypothalamic lesions in the rat. Physiol Behav 11:771-80, Dec 73
ANIMAL EXPERIMENTS/ *APPETITE/
BLOOD SUGAR/ BODY WEIGHT/ DRINKING/
EATING, drug effects/ FEMALE/ FOOD DEPRIVATION/ *GLUCOSE/ GLUCOSE, administration & dosage/ GLUCOSE, pharmacodynamics/ *HYPOTHALAMUS, physiology/ INTUBATION, GASTROINTESTINAL/ OSMOLAR CONCENTRATION/ RATS/ SACCHARIN/
*SATIATION/ SATIATION, drug effects/
TASTE
3491. Sciafani A, Kluge L: Food motivation and body weight levels in hypothalamic hyperphagic rats: a dual lipostat model of hunger and appetite. J Comp Physiol Psychol 86:28-46, Jan 74
ANIMAL EXPERIMENTS/ *APPETITE/
APPETITE REGULATION/ *BODY WEIGHT/
CONDITIONING, OPERANT/ DIET/ *EATING/
FEMALE/ FOOD DEPRIVATION/ *HUNGER/
*HYPOTHALAMUS, physiology/ MILK/
MODELS, BIOLOGICAL/ OBESITY/ RATS/
REINFORCEMENT SCHEDULE/ SATIATION/
TASTE/ WATER DEPRIVATION
3492. Scoggins BA, Coghlan JF, Denton DA, et al: Metabolic effects of ACTH in the sheep. Am J Physiol 228:198-205, Jan 74
*ADRENAL CORTEX HORMONES, secretion/
*ADRENAL GLANDS, secretion/
ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ BICARBONATES, blood/
*BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ CHLORIDES, blood/
CORTICOSTERONE, secretion/
*CORTICOTROPIN, pharmacodynamics/
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HEART RATE, drug effects/ HEMATOCRIT/
HYDROCORTISONE, secretion/ MALE/
NATRIURESIS, drug effects/ POTASSIUM, analysis/ *POTASSIUM, blood/ POTASSIUM, urine/ SHEEP/ SODIUM, analysis/ *SODIUM, blood/ UREA, blood/ URINATION, drug effects
3493. (Scot M), O'Neill YV: Michael Scot and Mary of Bologna. A medieval gynecological puzzle. Clio Med 8:87-111, Jun 73
*ABORTION, MISSED, history/ *ASTROLOGY/
*FAMOUS PERSONS/ FEMALE/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/
HISTORY OF MEDICINE, MEDIEVAL/
HUMAN/ *HYDATIDIFORM MOLE, history/
ITALY/ MANUSCRIPTS/ PREGNANCY/
SCOTLAND
3494. Scott HW Jr: Proceedings: Tumors of the adrenal cortex and Cushing's syndrome. Proc Natl Cancer Conf 7:513-21, 1973
ADENOMA, surgery/ ADOLESCENCE/
*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, surgery/ ADRENAL GLANDS, physiopathology/ ADRENAL GLANDS, secretion/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ CUSHING'S SYNDROME, diagnosis/
*CUSHING'S SYNDROME, etiology/
DEXAMETHASONE, diagnostic use/
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FOLLOW-UP STUDIES/ HUMAN/
HYDROCORTISONE, secretion/
HYPERPLASIA, diagnosis/ INFANT/ MALE/
MIDDLE AGE/ POSTOPERATIVE CARE
3495. Scott WW: Proceedings: Rationale and results of primary endocrine therapy in patients with prostatic cancer. Cancer 32:1119-25, Nov 73
*ANDROGENS, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ ARGINASE, metabolism/ BODY WEIGHT/ CASTRATION/
CYCLOPHOSPHAMIDE, therapeutic use/
CYPROTERONE, therapeutic use/ DISEASE MODELS, ANIMAL/ DNA, biosynthesis/
DOGS/ DRUG SCREENING/ FLUOROURACIL, therapeutic use/ HUMAN/ ORGAN WEIGHT/
OXIDOREDUCTASES, metabolism/ PROSTATE/ PROSTATE, metabolism/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, enzymology/ PROSTATIC NEOPLASMS, surgery/ RATS
3496. Scriba FC: Sind Patienten mit erhöhtem Serum-TSH euthyreot. Dtsch Med Wochenschr 98:2219, 16 Nov 73 (Ger)
HUMAN/ HYPOTHYROIDISM, blood/
*THYROID DISEASES, blood/ THYROID GLAND, physiology/ *THYROTROPIN, blood
3497. Scriba FC, Borowzak H, Erhardt F, et al: Total serum T3 and TSH response to TRH stimulation in patients with endemic goiter. Acta Endocrinol [Suppl] (Kbh) 53-4, 1973
GERMANY, WEST/ *GOITER, ENDEMIC, blood/ HUMAN/ STIMULATION, CHEMICAL/
*THYROTROPIN, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use/
THYROXINE, blood/ TIME FACTORS/
*TRIIODOTHYRONINE, blood
3498. Sechzer JA, Ervin GN, Smith GP: Loss of visual placing in rats after lateral hypothalamic microinjections of 6-hydroxydopamine. Exp Neurol 41:723-37, Dec 73
AMPHETAMINE, administration & dosage/
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASCORBIC ACID, administration & dosage/ ASCORBIC ACID, pharmacodynamics/ BEHAVIOR, ANIMAL/
*HYDROXYDOPAMINE, administration & dosage/ HYDROXYDOPAMINE, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, pathology/ MALE/
MICROINJECTIONS/ *POSTURE/ RATS/
*REFLEX, drug effects/ STEREOTAXIC TECHNIQS/ *VISION, drug effects/ VISUAL FIELDS
3499. Sedivá V, Mikuláš I, Krejčí P, et al: Metody stanovení prolaktinu se zaměřením na biologickou titraci na holubím voletl. Cesk Fysiol 22:193-212, Mar 73 (Cze)
ANIMAL EXPERIMENTS/
ELECTROPHORESIS, DISC/ FEMALE/
*GIZZARD, analysis/ MALE/ PIGEONS/
PITUITARY GLAND, metabolism/

AUTHOR SECTION

- *PROLACTIN, analysis/ PROLACTIN, metabolism/ RADIOIMMUNOASSAY
3500. Seedat YK: The nephrotic syndrome in Bantu and Indian patients. A clinicopathological study. S Afr Med J 47:2237-41, 24 Nov 73
ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ CHILD/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ *ETHNIC GROUPS/ FEMALE/ FUROSEMIDE, therapeutic use/ GAMMA GLOBULIN, analysis/ GLOMERULONEPHRITIS, complications/ HUMAN/ INFANT/ *KIDNEY, pathology/ MALE/ MIDDLE AGE/ *NEGROES/ NEPHROTIC SYNDROME, blood/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, etiology/ *NEPHROTIC SYNDROME, pathology/ NEPHROTIC SYNDROME, physiopathology/ PREDNISONE, therapeutic use/ PROSPECTIVE STUDIES/ SOUTH AFRICA
3501. Seegelman K, Nies D: Fehlmöglichkeiten bei der In-vitro Diagnostik der Schilddrüsenfunktion. Dtsch Med Wochenschr 98:2197-200, 16 Nov 73 (Ger)
CHOLECYSTOGRAPHY, adverse effects/ *CONTRAST MEDIA, adverse effects/ DIAGNOSTIC ERRORS/ DIATRIZOATE, adverse effects/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ IODIZED OILS, adverse effects/ IODOBENZOATES, adverse effects/ IODOPYRIDONES, adverse effects/ LYMPHOGRAPHY, adverse effects/ *PROTEIN-BOUND IODINE TEST/ *THYROID GLAND FUNCTION TESTS/ THYROXINE, diagnostic use/ TIME FACTORS/ UROGRAPHY, adverse effects
3502. Seeger K, Sandow J, Heptner W, et al: Die Freisetzung von Luteinisierung-Hormon (LH) durch Luteinisierung-Hormon-Releasing-Hormon (LH-RH) beim Schaf. Berl Munch Tierärztl Wochenschr 86:407-9, 1 Nov 73 (Ger)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ INJECTIONS/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *SHEEP, physiology
3503. Seeley RR, Hargrove JL, Sanders RT, et al: Response of rabbit testicular capsular contractions to testosterone, prostaglandin E1, and isoproterenol in vitro and in vivo. Proc Soc Exp Biol Med 144:329-32, 1 Oct 73
ANDROSTENEDIONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ HYDROXYPROGESTERONE, pharmacodynamics/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PROSTAGLANDINS, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ STANOLONE, pharmacodynamics/ STIMULATION, CHEMICAL/ *TESTIS, drug effects/ *TESTOSTERONE, pharmacodynamics
3504. Seelig G, Lange G, Neumann U, et al: Teilautomatisches Verfahren zur Bestimmung des Thyroxins im menschlichen Serum. Z Med Labortech 14:211-7, 1973 (Ger)
AUTOANALYSIS/ CHROMATOGRAPHY, ION EXCHANGE/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, analysis/ PROTEIN-BOUND IODINE TEST, instrumentation/ THYROID DISEASES, diagnosis/ *THYROXINE, analysis
3505. Seelig MS, Heggwelt HA: Magnesium interrelationships in ischemic heart disease: a review. Am J Clin Nutr 27:59-79, Jan 74 (228 ref.)
ANIMAL EXPERIMENTS/ ANOXIA, prevention & control/ BLOOD COAGULATION/ CALCIUM, metabolism/ CORONARY DISEASE, drug therapy/ CORONARY DISEASE, etiology/ *CORONARY DISEASE, metabolism/ CORONARY DISEASE, mortality/ DIETARY FATS/ DISEASE MODELS, ANIMAL/ FIBRINOLYSIS/ HEART, physiopathology/ HUMAN/ LIPIDS, metabolism/ *MAGNESIUM, metabolism/ MAGNESIUM, physiology/ MAGNESIUM, therapeutic use/ MAGNESIUM DEFICIENCY/ MALE/ MIDDLE AGE/ MITOCHONDRIA, MUSCLE, metabolism/ MYOCARDIAL INFARCT, metabolism/ *MYOCARDIUM, metabolism/ REVIEW
3506. Sehhatl G, Frey R, Mildner R: Komplikationen der Regionalanästhesie und ihre Behandlung. Munch Med Wochenschr 115:1785-6, 12 Oct 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ *ANESTHESIA, LOCAL, adverse effects/ ANTIHISTAMINICS, therapeutic use/ APNEA/ BARBITURATES, therapeutic use/ BRADYCARDIA, therapy/ BUPIVACAINE, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ DRUG HYPERSENSITIVITY, therapy/ ENGLISH ABSTRACT/ EPINEPHRINE, adverse effects/ HUMAN/ HYPERTENSION/ HYPERVENTILATION/ HYPOTENSION/ INTUBATION, INTRATRACHEAL/ LIDOCAINE, adverse effects/ MEPIVACAINE, adverse effects/ OXYGEN INHALATION THERAPY/ PLASMA SUBSTITUTES, therapeutic use/ PREMEDICATION/ PROCAINE, adverse effects/ RESPIRATION, ARTIFICIAL/ TACHYCARDIA, therapy/ TETANY/ TETRACAINE, adverse effects
3507. Selbel HR, Schwellsthal MR: Relationship between the pineal gland, other endocrine glands and reproductive organs of single and parabiosed golden hamsters. Acta Endocrinol (Kbh) 74:434-48, Nov 73
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ BLINDNESS/ BODY WEIGHT, drug effects/ CASTRATION/ FEMALE/ HAMSTERS/ IODINE RADIOISOTOPES/ MALE/ MELATONIN, pharmacodynamics/ ORGAN WEIGHT/ *OVARY, physiology/ PARABIOSIS/ *PINEAL BODY, physiology/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, physiology/ SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, physiology/ SEROTONIN, pharmacodynamics/ TESTIS, drug effects/ TESTIS, pathology/ *TESTIS, physiology/ THYROID GLAND, metabolism/ *UTERUS, physiology
3508. Seidel A: A multivariate analysis of Ca-DTPA-effectiveness in removing ²⁴¹Am from the rat. Z Naturforsch [C] 28:316-8, May-Jun 73
AMERICIUM, administration & dosage/ *AMERICIUM, metabolism/ ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *CALCIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DTPA, pharmacodynamics/ FEMALE/ INJECTIONS, INTRAVENOUS/ *LIVER, metabolism/ MATHEMATICS/ RATS
3509. Selfert J: Tryptophan pyrrolase in rat liver after phenobarbital administration. Toxicology 1:179-86, Sep 73
ANIMAL EXPERIMENTS/ ASCORBIC ACID, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ ENZYME INDUCTION, drug effects/ HEME, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *PHENOBARBITAL, pharmacodynamics/ PROTEINS, analysis/ RATS/ TIME FACTORS/ TRYPTOPHAN, pharmacodynamics/ *TRYPTOPHAN OXYGENASE, metabolism
3510. Seiji M, Nakano H, Akiba H, et al: Inhibition of DNA and protein synthesis in melanocytes by a melanoma extract. J Invest Dermatol 62:11-9, Jan 74
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CELL LINE/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ CHEMISTRY/ CHROMATOGRAPHY/ DIPHENOL OXIDASES, metabolism/ *DNA, biosynthesis/

AUTHOR SECTION

- ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EPINEPHRINE, pharmacodynamics/ GEL FILTRATION/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ LEUCINE, metabolism/ *MELANOCYTES, metabolism/ *MELANOMA, pathology/ MICE/ MOLECULAR WEIGHT/ *PROTEINS, biosynthesis/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM/ TYROSINE
3511. Seltz HM Jr, Schenker JG, Epstein S, et al: Postoperative intraperitoneal adhesions: a double-blind assessment of their prevention in the monkey. *Fertil Steril* 24:935-40, Dec 73
*ABDOMEN, surgery/ *ADHESIONS, prevention & control/ ANIMAL EXPERIMENTS/ COMPARATIVE STUDY/ *DEXAMETHASONE, therapeutic use/ *DEXTRAN, therapeutic use/ DRUG COMBINATIONS/ FEMALE/ MACACA/ MONKEYS/ *PERITONEAL DISEASES, prevention & control/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ *PROMETHAZINE, therapeutic use
3512. Sekaran C: A guide for tomograms with a multi-planigraphy machine. *Radiography* 39:271-83, Oct 73
ABDOMEN, radiography/ ADRENAL GLANDS, radiography/ BRONCHI, radiography/ CRANIAL SINUSES, radiography/ EAR, MIDDLE, radiography/ FACIAL NERVE, radiography/ HUMAN/ KIDNEY, radiography/ LARYNX, radiography/ LUNG, radiography/ MEDIASTINUM, radiography/ METHODS/ ORBIT, radiography/ POSTURE/ SPINE, radiography/ STERNOCLAVICULAR JOINT, radiography/ TEMPORAL BONE, radiography/ TEMPOROMANDIBULAR JOINT, radiography/ *TOMOGRAPHY, RADIOGRAPHIC/ TRACHEA, radiography
3513. Seki M, Huang S, Seki K, et al: Effect of consecutive administration with synthetic LH-RH--FSH-RH on LH and FSH release, and on urinary steroids excretion. *Acta Obstet Gynaecol Jap* 19:179-84, Jul 72
ADULT/ AMENORRHEA, physiopathology/ *ESTROGENS, secretion/ FEMALE/ *FSH, secretion/ HUMAN/ *LH, secretion/ *LH-FSH RELEASING HORMONE, administration & dosage/ LH-FSH RELEASING HORMONE, pharmacodynamics
3514. Seljeld R, Miller A, Host H: Maligne testistumores. *Tidsskr Nor Lægeforen* 93:1945-8, 20 Sep 73 (Nor)
ADULT/ CHORIOCARCINOMA/ DISGERMINOMA/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ *NEOPLASMS, EMBRYONAL AND MIXED/ NEOPLASMS, EMBRYONAL AND MIXED, diagnosis/ NEOPLASMS, EMBRYONAL AND MIXED, therapy/ PROGNOSIS/ TERATOID TUMOR/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, therapy
3515. Selkurt EE, Abel FL, Edwards JL, et al: Renal function in dogs with hypertension induced by immunologic nephritis. *Proc Soc Exp Biol Med* 144:295-303, 1 Oct 73
ALDOSTERONE, blood/ ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ AUTOIMMUNE DISEASES, blood/ AUTOIMMUNE DISEASES, complications/ AUTOIMMUNE DISEASES, immunology/ AUTOIMMUNE DISEASES, pathology/ *AUTOIMMUNE DISEASES, physiopathology/ BLOOD PROTEINS/ DOGS/ FEMALE/ GLOMERULONEPHRITIS, blood/ GLOMERULONEPHRITIS, complications/ GLOMERULONEPHRITIS, immunology/ GLOMERULONEPHRITIS, pathology/ *GLOMERULONEPHRITIS, physiopathology/ HEMODYNAMICS/ HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, etiology/ *HYPERTENSION, RENAL, physiopathology/ KIDNEY, immunology/ KIDNEY, pathology/ *KIDNEY, physiopathology/ KIDNEY FUNCTION TESTS/ RENIN, blood
3516. Sella EJ, Goodman AH: Arthropathy secondary to transfusion hemochromatosis. *J Bone Joint Surg [Am]* 55:1077-81, Jul 73
ADULT/ ARTHRITIS, diagnosis/ *ARTHRITIS, etiology/ ARTHRITIS, pathology/ ARTHRITIS, RHEUMATOID, diagnosis/ *BLOOD TRANSFUSION, adverse effects/ CARTILAGE, ARTICULAR, pathology/ DIAGNOSIS, DIFFERENTIAL/ *HEMOCHROMATOSIS, complications/ HEMOCHROMATOSIS, etiology/ HEMOCHROMATOSIS, pathology/ HUMAN/ MALE/ OSTEOPOROSIS, etiology/ SYNOVIAL MEMBRANE, pathology/ SYNOVITIS, etiology
3517. Sen DK, Langley FA: Villous basement membrane thickening and fibrinoid necrosis in normal and abnormal placentas. *Am J Obstet Gynecol* 118:276-81, 15 Jan 74
ABORTION, HABITUAL, pathology/ ABORTION, THREATENED, pathology/ ANIMAL EXPERIMENTS/ *BASEMENT MEMBRANE, anatomy & histology/ BASEMENT MEMBRANE, pathology/ COLLOIDS/ FEMALE/ FETAL DEATH/ FETAL DISEASES, etiology/ *FIBRIN/ HUMAN/ INFANT, PREMATURE/ IRON/ MICE/ MUCOPOLYSACCHARIDES/ NECROSIS/ *PLACENTA, anatomy & histology/ PLACENTA, pathology/ PLACENTA DISORDERS, etiology/ PLACENTA DISORDERS, pathology/ PREGNANCY/ PREGNANCY COMPLICATIONS, pathology/ PREGNANCY TOXEMIAS, pathology/ STAINS AND STAINING/ TROPHOBLAST, pathology
3518. Senlor BE, Cunningham FJ: Proceedings: Concentrations of oestradiol and luteinizing hormone in the peripheral plasma of the domestic fowl during the ovulatory cycle. *J Endocrinol* 59:xiv, Nov 73
ANIMAL EXPERIMENTS/ *CHICKENS, physiology/ *ESTRADIOL, blood/ FEMALE/ *LH, blood/ *OVULATION/ TIME FACTORS
3519. Senlor W: Parathyroid gland structure of some tropical lizards. *J Morphol* 142:91-107, Jan 74
ANATOMY, COMPARATIVE/ ANIMAL EXPERIMENTS/ BIRDS/ CONNECTIVE TISSUE CELLS/ FEMALE/ *LIZARDS, anatomy & histology/ MALE/ MAMMALS/ ORGAN WEIGHT/ *PARATHYROID GLANDS, anatomy & histology/ PARATHYROID GLANDS, blood supply/ PARATHYROID GLANDS, cytology/ SEX FACTORS
3520. Senn HJ: Fortschritte der Kombinationschemotherapie maligner Lymphome. *Praxis* 62:1589-94, 18 Dec 73 (Ger)
CARMUSTINE, therapeutic use/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REMISSION/ STREPTONIGRIN, therapeutic use/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use
3521. Seno M, Ishizu H: Sex identification of a human tooth. *Int J Forensic Dent* 1:8-11, Jul 73
FORENSIC DENTISTRY/ SEX DETERMINATION/ SPECIAL LIST DENTAL/ TOOTH
3522. Seppälä M, Bagshawe KD, Ruoslahti E: Radioimmunoassay of alpha-fetoprotein: a contribution to the diagnosis of choriocarcinoma and hydatidiform mole. *Int J Cancer* 10:478-81, Nov 72
*ALPHA GLOBULIN, metabolism/ CHORIOCARCINOMA, blood/ *CHORIOCARCINOMA, diagnosis/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ FALSE POSITIVE REACTIONS/ FEMALE/ *FETAL GLOBULINS, metabolism/ HUMAN/ HYDATIDIFORM MOLE, blood/ *HYDATIDIFORM MOLE, diagnosis/ PREGNANCY/ PREGNANCY TESTS/ RADIOIMMUNOASSAY/ TIME FACTORS/ UTERINE NEOPLASMS, blood/ *UTERINE NEOPLASMS, diagnosis

AUTHOR SECTION

3523. Sequin BE, Morrow DA, Louis TM: Luteolysis, luteostasis, and the effect of prostaglandin F₂ alpha in cows after endometrial irritation.
Am J Vet Res 35:57-61, Jan 74
ANIMAL EXPERIMENTS/ *CATTLE, physiology/ CATTLE DISEASES, chemically induced/ CATTLE DISEASES, pathology/ *CATTLE DISEASES, physiopathology/ *CORPUS LUTEUM, physiology/ ENDOMETRITIS, chemically induced/ ENDOMETRITIS, pathology/ ENDOMETRITIS, physiopathology/ *ENDOMETRITIS, veterinary/ ESTRUS/ FEMALE/ INJECTIONS/ IODINE/ IODINE, administration & dosage/ LH, blood/ PROGESTERONE, blood/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS/ UTERUS/ UTERUS, drug effects/ UTERUS, physiology
3524. Serjeant GR, Ennis JT, Middlemiss H: Haemoglobin SC disease in Jamaica. Br J Radiol 46:935-42, Nov 73
ADOLESCENCE/ ADULT/ AGED/ ANEMIA, SICKLE CELL, complications/ *ANEMIA, SICKLE CELL, radiography/ BONE AND BONES, blood supply/ BONE AND BONES, radiography/ BONE DISEASES, radiography/ BONE RESORPTION/ CHILD/ FEMUR, radiography/ FEMUR HEAD NECROSIS, complications/ FINGERS, blood supply/ FINGERS, radiography/ HEMOGLOBIN C DISEASE, complications/ *HEMOGLOBIN C DISEASE, radiography/ HIP, radiography/ HIP JOINT/ HUMAN/ HUMERUS, radiography/ INFARCTION/ JAMAICA/ LUMBAR VERTEBRAE, radiography/ MIDDLE AGE/ NECROSIS/ OSTEOARTHRITIS, complications/ PERIOSTEUM, radiography/ RADIUS, radiography/ THORACIC VERTEBRAE, radiography/ TIBIA, radiography
3525. Serjeant GR, Ennis JT, Middlemiss H: Sickle cell beta thalassaemia in Jamaica. Br J Radiol 46:951-9, Nov 73
ADOLESCENCE/ ADULT/ ANEMIA, SICKLE CELL, complications/ *ANEMIA, SICKLE CELL, radiography/ BONE AND BONES, blood supply/ BONE MARROW, radiography/ BONE RESORPTION/ CALCINOSIS, radiography/ CHILD/ CHILD, PRESCHOOL/ EPIPHYSES, radiography/ FEMALE/ FEMUR, radiography/ FINGERS, blood supply/ FINGERS, radiography/ HUMAN/ HUMERUS, radiography/ INFARCTION/ JAMAICA/ MALE/ MIDDLE AGE/ NECROSIS/ PERIOSTEUM, radiography/ SHOULDER, radiography/ SKULL, radiography/ SPINE, radiography/ THALASSEMIA, complications/ *THALASSEMIA, radiography/ THORACIC VERTEBRAE, radiography/ TINEA, radiography
3526. Serra GB: Stimolazione "in vitro" di singole ipofisi fetali umane.
Folia Endocrinol (Roma) 26:257-87, Aug 73 (Ita)
ENGLISH ABSTRACT/ *FETUS, physiology/ HUMAN/ IN VITRO/ *LH, secretion/ PITUITARY GLAND/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, physiology/ TISSUE EXTRACTS, pharmacodynamics
3527. Serrano-Ríos M, Ramos F, Vivanco F, et al: Insulinsekretion im Frühstadium des Diabetes mellitus.
Munch Med Wochenschr 115:1601-3, 21 Sep 73 (Ger)
ACROMEGALY, blood/ *DIABETES MELLITUS, blood/ ENGLISH ABSTRACT/ GLUCOSE TOLERANCE TEST/ HUMAN/ *INSULIN, blood/ OBESITY, blood/ *PREDIABETIC STATE, blood/ TOLBUTAMIDE, diagnostic use
3528. Seth SD, Mukhopadhyay AB, Bagchi N, et al: Antihistaminic and spasmolytic effects of musk. Jap J Pharmacol 23:673-9, Oct 73
ACETYLCHOLINE, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS/ BRADYKININ, antagonists & inhibitors/ CAPILLARY PERMEABILITY, drug effects/ CORNEA, drug effects/ *DEER/ DOGS/ DRUG SCREENING/ GUINEA PIGS/ IN VITRO/ MALE/ MUSCLE, SMOOTH, drug effects/ NEOPLASMS, diagnosis/ *PARASYMPATHOLYTICS/ PROSTAGLANDINS, antagonists & inhibitors/ RABBITS/ RATS/ SERODIAGNOSIS/ SEROTONIN, antagonists & inhibitors/ *TISSUE EXTRACTS, pharmacodynamics
3529. Setiacec D, Bolu S, Florea-Panait N, et al: Considerații asupra tumorilor suprarenale și tumorilor retroperitoneale hipertensinogene.
Chirurgia (Bucur) 22:961-72, Nov 73 (Rum)
ADENOCARCINOMA, complications/ ADENOMA, complications/ ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, complications/ ADULT/ AGED/ ANGIOTENSIN, metabolism/ CARCINOMA, complications/ CATECHOLAMINES, metabolism/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, etiology/ HYPERTENSION, RENAL, etiology/ LYMPHANGIOMA, complications/ MALE/ MIDDLE AGE/ NEUROBLASTOMA, complications/ PHEOCHROMOCYTOMA, complications/ RENAL ARTERY OBSTRUCTION, complications/ RENAL ARTERY OBSTRUCTION, etiology/ *RETROPERITONEAL NEOPLASMS, complications
3530. Setty BS, Singh MM, Chowdhury SR, et al: The role of electrolytes of the endometrium and uterine fluid during delayed implantation in rats.
J Endocrinol 59:461-4, Dec 73
ANIMAL EXPERIMENTS/ BODY FLUIDS, physiology/ *ENDOMETRIUM, physiology/ ESTRADIOL, pharmacodynamics/ FEMALE/ *NIDATION/ *POTASSIUM, physiology/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ *SODIUM, physiology/ TIME FACTORS/ *UTERUS, physiology
3531. Seybold G, Niemeyer G, Tschöpa J: Die immunologisch mebbbare Insulinausscheidung im Urin bei nichtdiabetischen Versuchspersonen nach Gabe eines Saluretikums und bei eingeschränkter Nierenfunktion. Med Welt 24:1343-9, 7 Sep 73 (Ger)
ANTIBODIES, analysis/ HUMAN/ HYDROCHLOROTHIAZIDE, administration & dosage/ *INSULIN, urine/ IODINE RADIOISOTOPES/ *KIDNEY FAILURE, CHRONIC, urine/ KIDNEY TUBULES, drug effects/ METHODS/ PROTEIN-BOUND IODINE TEST/ RADIOIMMUNOASSAY
3532. Seybold ME, Drachman DB: Gradually increasing doses of prednisone in myasthenia gravis. Reducing the hazards of treatment. N Engl J Med 290:81-4, 10 Jan 74
ADULT/ AGED/ CHOLINESTERASE INHIBITORS, therapeutic use/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, drug therapy/ *PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use
3533. Seyss R: Zur Bedeutung der "Vouten" in der Osteologie. Med Welt 24:1711-4, 2 Nov 73 (Ger)
*BIOMECHANICS/ *BONE AND BONES, physiopathology/ BONE DISEASES, physiopathology/ HUMAN
3534. Sforza M, Perelli-Ercolini M, Manenti A: Ricerche sperimentali sul rapporto tra massa critica e difesa immunitaria nel tumore di Walker del ratto.
Minerva Chir 28:1501-7, 30 Nov 73 (Ita)
*ADJUVANTS, IMMUNOLOGIC, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ BCG VACCINATION/ *CARCINOMA 256, WALKER, immunology/ CARCINOMA 256, WALKER, mortality/ CARCINOMA 256, WALKER, surgery/ CARCINOMA 256, WALKER, therapy/ CORTISONE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ NEOPLASM METASTASIS/ RATS/ SPLENECTOMY

AUTHOR SECTION

3535. Shackleton CH, Gustafsson JA, Mitchell FL: Steroids in newborns and infants. The changing pattern of urinary steroid excretion during infancy. *Acta Endocrinol (Kbh)* 74:157-67, Sep 73
*ANDROSTENOLS, urine/ *ANDROSTERONE, urine/ CHROMATOGRAPHY, GAS/ CORTICOSTERONE, urine/ GEL FILTRATION/ HUMAN/ HYDROCORTISONE, urine/ INFANT/ INFANT, NEWBORN/ PREGNANEDIONES, urine/ *PREGNANES, urine/ PREGNANETRIOL, urine/ PREGNENES, urine/ PREGNENOLONE, urine/ SPECTRUM ANALYSIS, MASS
3536. Shafer RB, Tully TE: Thyroid carcinoma presenting as an isolated bone cyst. *J Nucl Med* 15:50-2, Jan 74
*ADENOCARCINOMA, diagnosis/ ADULT/ *BONE CYST, diagnosis/ BONE NEOPLASMS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ NEOPLASM METASTASIS/ *RADIOISOTOPE SCANNING/ SHOULDER/ *THYROID NEOPLASMS, diagnosis
3537. Shah DH, Thakare UR, Shownkeen RC, et al: Iodinated thyroplids: their possible role in homonogenesis. *Acta Endocrinol (Kbh)* 74:461-74, Nov 73
CARCINOMA, metabolism/ CYSTADENOMA, metabolism/ GOITER, EXOPHTHALMIC, metabolism/ GOITER, NODULAR, metabolism/ HUMAN/ IN VITRO/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ *LIPIDS, metabolism/ RATS/ SHEEP/ *THYROID GLAND, metabolism/ THYROID NEOPLASMS, metabolism/ *THYROXINE, biosynthesis/ TIME FACTORS
3538. Shah KV, Daniel RW, Zeigel RF, et al: Search for BK and SV40 virus reactivation in renal transplant recipients. *Transplantation* 17:131-4, 1 Jan 74
ADOLESCENCE/ ADULT/ ANTIBODIES, VIRAL, analysis/ ANTIGENS, VIRAL/ AZATHIOPRINE, therapeutic use/ BLOOD, microbiology/ CHILD/ FEMALE/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ NEUTRALIZATION TESTS/ *PAPOVAVIRUS, isolation & purification/ PREDNISONE, therapeutic use/ *SV40 VIRUS, isolation & purification/ TRANSPLANTATION, HOMOLOGOUS/ URINE, microbiology
3539. Shaheed WA, Rosenbloom L: Down's syndrome with diabetes mellitus and hypothyroidism. *Arch Dis Child* 48:917-8, Nov 73
ASCITES, complications/ CHILD/ *DIABETES MELLITUS, JUVENILE, complications/ FEMALE/ HEPATOMEGALY, complications/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ *MONGOLISM, complications/ THYROID GLAND FUNCTION TESTS/ THYROXINE, therapeutic use
3540. Shahmanesh M, Hartog M, Crook D: An assessment of the metyrapone test. *Clin Endocrinol (Oxf)* 2:201-6, Jul 73
ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ AGED/ CHROMATOGRAPHY, GAS/ *CUSHING'S SYNDROME, etiology/ CUSHING'S SYNDROME, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ EVALUATION STUDIES/ FEMALE/ GLUCOCORTICIDS, urine/ HUMAN/ HYPOPITUITARISM, diagnosis/ MALE/ *METYRAPONE, diagnostic use/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ PITUITARY GLAND, physiopathology
3541. Shani J, Morag M, Goldhaber G, et al: Effect of haloperidol on serum prolactin and milk yield in the dairy ewe. *J Endocrinol* 59:363-4, Nov 73
ANIMAL EXPERIMENTS/ FEMALE/ *HALOPERIDOL, pharmacodynamics/ *LACTATION, drug effects/ MILK/ PLACENTAS/ *PROLACTIN, blood/ SHEEP, physiology
3542. Shanklin D: Bifunctional photobinding of psoralen to single stranded nucleic acids. *J Reprod Med* 11:191, Nov 73
CHICAGO/ CONTRACEPTIVES, POSTCOITAL, administration & dosage/ *CONTRACEPTIVES, POSTCOITAL, pharmacodynamics/ DIETHYLSTILBESTROL, pharmacodynamics/ *ENDOMETRIUM, drug effects/ ESTROGENS, administration & dosage/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ PREGNANCY/ *REGISTRIES
3543. Shapiro DR, Kuwahara SS: Ferric chloride-impregnated silica gel for thin-layer chromatography of steroids. *Clin Chem* 19:1305-6, Nov 73
ANDROSTANES, analysis/ ANDROSTENEDIONE, analysis/ ANDROSTERONE, analysis/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ ERGOSTEROL, analysis/ ESTRONE, analysis/ *IRON/ KETOSTEROIDS, analysis/ PREGNENOLONE, analysis/ *SILICA/ *STEROIDS, analysis/ SULFURIC ACIDS
3544. Shapiro SK, Shapiro I: Pseudotumor cerebri. *Min Med* 56:1021-3, Dec 73
ADULT/ ALUMINUM HYDROXIDE GEL, therapeutic use/ DEXAMETHASONE, therapeutic use/ DIET, SALT-FREE/ FEMALE/ GLYCERIN, therapeutic use/ HUMAN/ INTRACRANIAL PRESSURE/ PAPILLEDEMA, etiology/ *PSEUDOTUMOR CEREBRI, complications/ PSEUDOTUMOR CEREBRI, therapy/ VENTRICULOGRAPHY
3545. Shaposhnikova NF: Vliianie gipotalamusa na oftal'motonus, gidrodinamiku glaza i troficheskie protsessy v apparate sekretsi kamernoi vlagi. *Oftalmol Zh* 28:442-6, 1973 (Rus)
ANIMAL EXPERIMENTS/ *AQUEOUS HUMOR, secretion/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ *INTRAOCULAR PRESSURE/ RABBITS
3546. Sharma RK: Regulation of steroidogenesis by adrenocorticotrophic hormone in isolated adrenal cells of rats. *J Biol Chem* 248:5473-6, 10 Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CHOLESTEROL/ CHROMATOGRAPHY, THIN LAYER/ CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HYDROXYSTEROIDS, metabolism/ IN VITRO/ MALE/ *PREGNENOLONE, biosynthesis/ RATS/ SPECTROMETRY, FLUORESCENCE/ TRITIUM
3547. Sharma SC, Fitzpatrick RJ, Lanham J: Proceedings: Development of a potent antiserum to prostaglandin F and measurement of prostaglandin F in the peripheral circulation of parturient sheep. *J Reprod Fertil* 35:598-9, Dec 73
ANIMAL EXPERIMENTS/ ESTROGENS, blood/ FEMALE/ *IMMUNE SERUMS/ *LABOR/ PREGNANCY/ PROGESTERONE, blood/ *PROTAGLANDINS, blood/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SHEEP
3548. Sharon E, Jones J, Diamond H, et al: Pregnancy and azathioprine in systemic lupus erythematosus. *Am J Obstet Gynecol* 118:25-8, 1 Jan 74
ABNORMALITIES, DRUG-INDUCED, etiology/ ADULT/ *AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ BIRTH WEIGHT/ FEMALE/ FETUS, anatomy & histology/ FETUS, drug effects/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ ORGAN WEIGHT/ PREDNISONE, therapeutic use/ PREGNANCY/ *PREGNANCY COMPLICATIONS, drug therapy/ PROGNOSIS/ TWINS
3549. Sharp JC, Potter AM, Guyer RJ: Letter: Chromosome changes in congenital lymphoblastic leukaemia. *Lancet* 2:1448, 22 Dec 73
*CHROMOSOME ABERRATIONS/ HUMAN/

AUTHOR SECTION

INFANT/ *LEUKEMIA, LYMPHOBLASTIC, congenital/ LEUKEMIA, LYMPHOBLASTIC, familial & genetic/ SEX CHROMOSOMES

3550. Sharp PJ: Proceedings: Plasma LH levels in developing cockerels. J Reprod Fertil 35:609-10, Dec 73
ANIMAL EXPERIMENTS/ CELL COUNT/ *CHICKENS, growth & development/ *LH, blood/ LH, secretion/ MALE/ *PUBERTY/ RADIOIMMUNOASSAY/ SPERMATOZOA
3551. Sharpe RM, Hartog M, Eliwood MG, et al: Age-dependent differences in the binding of (131-I) LH by rat testis homogenates. J Reprod Fertil 35:529-32, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ IN VITRO/ IODINE RADIOISOTOPES/ *LH, metabolism/ MALE/ RATS/ *RECEPTORS, HORMONE/ *TESTIS, metabolism
3552. Shatunovskii MI, Kozlov AN: Nekotorye osobennosti kachestvennogo sostava zhirov mramornoi nototenii (Notothenia rossii marmorata) Fisher. Biol Nauki 112:59-63, 1973 (Rus)
ANIMAL EXPERIMENTS/ CHOLESTEROL, analysis/ CHROMATOGRAPHY, THIN LAYER/ ESTERS/ FATTY ACIDS, NONESTERIFIED, analysis/ FEMALE/ *FISHES/ *GONADS, analysis/ *LIPIDS, analysis/ *LIVER, analysis/ MALE/ *MUSCLES, analysis/ PHOSPHOLIPIDS, analysis/ STEROLS, analysis/ TRIGLYCERIDES, analysis
3553. Shaw AH: Pseudo-pseudohypoparathyroidism. A review of the syndrome with particular reference to pedal symptomatology. J Am Podiatry Assoc 63:657-74, Dec 73
ADULT/ CALCINOSIS, radiography/ DIAGNOSIS, DIFFERENTIAL/ EXOSTOSES, radiography/ FEMALE/ *FOOT DISEASES, etiology/ FOOT DISEASES, therapy/ HUMAN/ MALE/ METACARPUS, abnormalities/ METATARSUS, abnormalities/ *PSEUDOPSEUDOHYPO- PARATHYROIDISM, complications/ PSEUDOPSEUDOHYPO- PARATHYROIDISM, radiography/ TOE JOINT/ TOES, abnormalities
3554. Shay J: Letter: Does calcium influx into ischaemic cells stop A.D.P. phosphorylation? Lancet 2:1392, 15 Dec 73
ADENINE NUCLEOTIDES, metabolism/ *ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, biosynthesis/ *CALCIUM, metabolism/ HUMAN/ ISCHEMIA/ MITOCHONDRIA, metabolism/ *OXIDATIVE PHOSPHORYLATION
3555. Sheikh YM, Kalsin M, Djerassi C: Steroids from starfish. Steroids 22:835-50, Dec 73
ANIMAL EXPERIMENTS/ *CHOLESTADIENOLS, analysis/ CHOLESTANES, analysis/ CHROMATOGRAPHY, GAS/ HYDROXYSTERIODS, analysis/ KETOSTEROIDS, analysis/ NUCLEAR MAGNETIC RESONANCE/ *PREGNENES, analysis/ SAPONINS, analysis/ SPECTRUM ANALYSIS, MASS/ *STARFISH/ STEROLS, analysis
3556. Shelretova E, Dobrev D, Peshev N: Funktsionalna radloizotopna diagnostika na shlitovidnata zheza pri bolni sus zatluatiavane. Vutr Boles 12:60-4, 1973 (Bul)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ MALE/ *OBESITY, physiopathology/ *THYROID GLAND, physiopathology/ *THYROID GLAND FUNCTION TESTS
3557. Shelton ER, Bernfield MR: Determination of plcomole quantities of eukaryotic amino-acyl-tRNA with bacterial elongation factor Tu: the extent of in vivo acylation of tRNA. Biochim Biophys Acta 331:81-90, 26 Nov 73
ACYLATION/ ANIMAL EXPERIMENTS/ *BACTERIAL PROTEINS, metabolism/ BINDING SITES/ CARBON RADIOISOTOPES/ CHICKENS/ COPPER, pharmacodynamics/ ESCHERICHIA COLI/ ESTROGENS, pharmacodynamics/ GUANINE NUCLEOTIDES, analysis/ LIVER, metabolism/ MALE/ *PEPTIDE ELONGATION FACTORS, metabolism/ PROTEIN BINDING/ *RNA, BACTERIAL, analysis/ RNA, BACTERIAL, biosynthesis/ *RNA, TRANSFER, analysis/ RNA, TRANSFER, biosynthesis/ SERINE, metabolism/ TRITIUM/ VALINE, metabolism
3558. Shepherd AP, Mao CC, Jacobson ED, et al: The role of cyclic AMP in mesenteric vasodilation. Microvasc Res 6:332-41, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ ISOPROTERENOL, antagonists & inhibitors/ ISOPROTERENOL, pharmacodynamics/ MESENTERIC ARTERIES/ MESENTERIC ARTERIES, analysis/ *MESENTERIC ARTERIES, drug effects/ MUSCLE, SMOOTH, analysis/ MUSCLE, SMOOTH, enzymology/ OXYGEN, blood/ PAPAVERINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FLOW/ *VASODILATOR AGENTS, pharmacodynamics
3559. Shepherd RL, Ing TS, Magalhaes R, et al: Cervical arteriovenous fistulae for maintenance hemodialysis. A new technique. Nephron 11:7-10, 1973
*ARTERIES, surgery/ *ARTERIOVENOUS SHUNT, SURGICAL/ *CAROTID ARTERY, EXTERNAL, surgery/ FEMALE/ *HEMODIALYSIS/ HUMAN/ *JUGULAR VEIN, surgery/ KIDNEY FAILURE, CHRONIC, therapy/ METHODS/ THYROID GLAND, blood supply
3560. Sheridan PJ, Sar M, Stumpf WE: Cellular and subcellular localization of 3H-estradiol or its metabolites in the pituitary of the neonatal female rat. Experientia 29:1418-9, 15 Nov 73
ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ AUTORADIOGRAPHY/ CELL NUCLEUS, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, metabolism/ RATS/ TRITIUM
3561. Sherman BM, Korenman SG: Measurement of plasma LH, FSH, estradiol and progesterone in disorders of the human menstrual cycle: the short luteal phase. J Clin Endocrinol Metab 38:89-93, Jan 74
ADULT/ BODY TEMPERATURE/ ESTRADIOL, blood/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *MENSTRUATION DISORDERS, blood/ METHODS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TIME FACTORS
3562. Sheth NA, Bhide SV: Comparative study of protein biosynthesis in mice susceptible and resistant to breast cancer. J Natl Cancer Inst 51:1977-9, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ ESTROGENS, pharmacodynamics/ FEMALE/ LACTATION/ LEUCINE, metabolism/ *LIVER, metabolism/ *MAMMAE, metabolism/ *MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ *NEOPLASM PROTEINS, biosynthesis/ PROGESTERONE, pharmacodynamics/ *PROTEINS, biosynthesis
3563. Shettles LB: Samenmorphologie, zervikales Milieu, Zeitpunkt der Insemination und Geschlechtsverhältnisse. Andrologie 5:227-30, 1973 (23 ref.) (Ger)
CELL COUNT/ CELL MOVEMENT/ CELL SURVIVAL/ *CERVIX MUCUS, physiology/ ENGLISH ABSTRACT/ FEMALE/

AUTHOR SECTION

- *FERTILIZATION/ HUMAN/ INSEMINATION, ARTIFICIAL/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, PHASE CONTRAST/ OVULATION/ PREGNANCY/ QUINACRINE, diagnostic use/ REVIEW/ SEX CHROMOSOMES/ *SEX RATIO/ *SPERM CAPACITATION/ *SPERMATOZOA, cytology/ SPERMATOZOA, physiology/ STAINS AND STAINING/ TIME FACTORS
3564. (Shevkunenko VN), Prives MG: Razvitiye idel V.N. Shevkunenko v individual'noi anatomii kostnoi sistemy. Arkh Anat Gistol Embriol 65:28-33, Sep 73 (Eng. Abstr.) (Rus)
*ANATOMY, history/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, cytology/ ENGLISH ABSTRACT/ ENVIRONMENT/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ INDUSTRIAL MEDICINE/ OCCUPATIONS/ SPORT MEDICINE
3565. Shibuya E: [Chemotactic activity in the aqueous humor of patients with Behçet's disease (author's transl)] Acta Soc Ophthalmol Jap 77:1434-42, Sep 73 (Jap)
*AQUEOUS HUMOR, analysis/ AQUEOUS HUMOR, cytology/ *BEHCET'S SYNDROME/ *CHEMOTAXIS/ ENGLISH ABSTRACT/ HUMAN/ LEUKOCYTES/ PROSTAGLANDINS, analysis/ PROTEINS, analysis
3566. Shigenaga Y, Matano S, Okada K, et al: The effects of tooth pulp stimulation in the thalamus and hypothalamus of the rat. Brain Res 63:402-7, 7 Dec 73
ANIMAL EXPERIMENTS/ *DENTAL PULP, innervation/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ GENICULATE BODIES, physiology/ *HYPOTHALAMUS, physiology/ MALE/ *PAIN/ *PERIPHERAL NERVES, physiology/ PHYSICAL STIMULATION/ RATS/ *THALAMUS, physiology/ TOUCH
3567. Shih BY, Huang KM, Peng MT: Sex difference in gonadal maintenance in graded hypophysectomized rats. J Formosan Med Assoc 72:325-31, Jun 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ FEMALE/ *GONADS, anatomy & histology/ HYPOPHYSECTOMY/ MALE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ *PITUITARY GLAND, physiology/ RATS/ *SEX FACTORS
3568. Shima S, Mitsunaga M, Kawashima Y, et al: Studies on cyclic nucleotides in the adrenal gland. II. Properties of cyclic AMP dependent protein kinases in the adrenal gland. Jap J Pharmacol 23:515-22, Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ *ADRENAL GLANDS, enzymology/ ADRENAL MEDULLA, enzymology/ ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ENZYME ACTIVATION/ HYDROGEN-ION CONCENTRATION/ PROTEIN BINDING/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ TRITIUM
3569. Shimada N: [Human placental lactogen] Jap J Midwife 27:58, Sep 73 (Jap)
PLACENTAL LACTOGEN/ SPECIAL LIST NURSING
3570. Shimada N: [Human placental lactogen] Jap J Midwife 27:59, MAY 73 (Jap)
PLACENTAL LACTOGEN/ SPECIAL LIST NURSING
3571. Shimada S, Kimura M, Inagaki C, et al: [Effect of amantadine on serotonin metabolism in the rat brain] Folia Pharmacol Jap 69:801-9, Sep 73 (Jap)
ADMINISTRATION, ORAL/ AMANTADINE, administration & dosage/ *AMANTADINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ BRAIN CHEMISTRY/ CARBON RADIOISOTOPES/ COMPARATIVE STUDY/ DOPA DECARBOXYLASE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HYDROXYINDOLEACETIC ACID, analysis/ IN VITRO/ INJECTIONS, INTRAPERITONEAL/ MALE/ MONOAMINE OXIDASE, analysis/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NIALAMIDE, pharmacodynamics/ RATS/ SEROTONIN, analysis/ *SEROTONIN, metabolism
3572. Shimano S, Onogaki Y, Suda T, et al: Treatment of acute myelogenous leukemia with 6-MPR. Curr Ther Res 18:15-23, Jan 74
ADOLESCENCE/ ADULT/ ALANINE AMINOTRANSFERASE, blood/ BLOOD CELL COUNT/ CLINICAL RESEARCH/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ LEUKEMIA, MYELOCYTIC, blood/ *LEUKEMIA, MYELOCYTIC, drug therapy/ MALE/ MERCAPTOPYRINE, adverse effects/ *MERCAPTOPYRINE, therapeutic use/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ REMISSION/ RIBONUCLEOSIDES, adverse effects/ *RIBONUCLEOSIDES, therapeutic use/ TIME FACTORS
3573. Shimizu T, Shishiba Y, Yoshimura S: A new radioimmunoassay method for serum triiodothyronine using sephadex G25 column. Endocrinol Jap 20:365-8, Aug 73
CROSS REACTIONS/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ METHODS/ RABBITS, immunology/ *RADIOIMMUNOASSAY, instrumentation/ *TRIIODOTHYRONINE, blood
3574. Shimoda S, Kasai K, Kikuchi T, et al: [Mechanism of action of ouabain in inorganic iodine transport in the thyroid gland] Clin Endocrinol (Tokyo) 21:1045-8, Oct 73 (Jap)
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ BIOLOGICAL TRANSPORT, drug effects/ CATTLE/ IN VITRO/ *IODINE, metabolism/ IODINE RADIOISOTOPES/ *OUABAIN, pharmacodynamics/ *THYROID GLAND, metabolism
3575. Shinbo S, Adachi H, Nakano Y, et al: [Ectopic parathyroid hormone producing malignant pheochromocytoma] Jap J Clin Med 31:2781-7, Sep 73 (Jap)
*ADRENAL GLAND NEOPLASMS, metabolism/ ADULT/ FEMALE/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ *PARATHYROID HORMONE, biosynthesis/ *PHEOCHROMOCYTOMA, metabolism
3576. Shipokinskaya ON, Sushkova IA: Ekskretsiya laktogenno gormona v rannem laktatsionnom periode (kliniko-eksperimental'noe issledovanie. Akush Ginekol (Mosk) 49:57-9, Aug 73 (Rus)
CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ IMMUNOLOGIC TECHNIQUES/ *LACTATION/ PREGNANCY/ *PROLACTIN, urine/ RATS/ TIME FACTORS
3577. Shirai M, Matsuda S: Pituitary and gonadal function in chromatin positive XXY Klinefelter's syndrome. Tohoku J Exp Med 110:347-57, Aug 73
ADULT/ ESTROGENS, urine/ GONADOTROPINS, CHORIONIC, diagnostic use/ GONADOTROPINS, PITUITARY, urine/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS/ INSULIN, diagnostic use/ KARYOTYPING/ 17-KETOSTEROIDS, urine/ KLINEFELTER'S SYNDROME, pathology/ *KLINEFELTER'S SYNDROME, physiopathology/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ *PITUITARY GLAND, physiopathology/ SEX CHROMATIN/ SEX CHROMOSOMES/ SOMATOTYPES/ TESTIS, pathology/ *TESTIS, physiopathology/ TESTOSTERONE, blood
3578. Shire JG, Hambly EA: The adrenal glands of mice with hereditary pituitary dwarfism.

AUTHOR SECTION

- Acta Pathol Microbiol Scand [A] 81:225-8, May 73
ADRENAL GLANDS, abnormalities/ ADRENAL GLANDS, anatomy & histology/ *ADRENAL GLANDS, pathology/ ADRENAL MEDULLA, anatomy & histology/ ADRENAL MEDULLA, pathology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ DWARFISM, PITUITARY, familial & genetic/ *DWARFISM, PITUITARY, pathology/ FEMALE/ MALE/ MICE/ ORGAN WEIGHT/ SEX FACTORS
3579. Shire JG, Pantelouris EM: Comparison of endocrine function in normal and genetically athymic mice. Comp Biochem Physiol [A] 47:93-100, Jan 74
ADRENAL GLAND DISEASES, etiology/ ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORPUS LUTEUM/ FEMALE/ FERTILITY/ HOMOZYGOTE/ HYPERTROPHY, etiology/ KIDNEY, anatomy & histology/ LYMPHATIC DISEASES, complications/ LYMPHATIC DISEASES, familial & genetic/ MALE/ MICE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, pathology/ SEX FACTORS/ SPERMATOGENESIS/ STERILITY, FEMALE, etiology/ *THYMUS GLAND, physiology/ THYMUS GLAND, transplantation
3580. Shkhinek EK, Tsvetkova IP, Marat BA: Analiz nefroendokrinnnykh villanil zadnego gipotalamusa na dinamiku spetsificheskikh zashchitnykh reaktiv u krolikov. Fiziol Zh SSSR 59:228-36, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ *ANTIBODY FORMATION/ HORSES, immunology/ 11-HYDROXYCORTICOSTEROIDS, blood/ *HYPOTHALAMUS, physiology/ IMMUNE SERUMS/ *IMMUNIZATION/ MALE/ RABBITS/ TIME FACTORS
3581. Shoemaker ES, Gant NF, Madden JD, et al: The effect of thiazide diuretics on placental function. Tex Med 69:109-15, Oct 73
ADOLESCENCE/ ADULT/ ANDROSTERONE, metabolism/ BLOOD PRESSURE, drug effects/ *DIURETICS, pharmacodynamics/ ESTRADIOL, metabolism/ FEMALE/ HUMAN/ HYPERTENSION, complications/ HYPERTENSION, metabolism/ *MATERNAL-FETAL EXCHANGE, drug effects/ *PLACENTA, metabolism/ PREGNANCY/ PREGNANCY TOXEMIAS, metabolism/ *SULFONAMIDES, pharmacodynamics/ THIADIAZINES, pharmacodynamics
3582. Shoger RL, Asami K, Yasumasu I, et al: Activation of phosphoribylase in sea urchin eggs by Ca^{2+} and cyclic 3',5'-AMP. A possible mechanism of the regulation of its activity at fertilization. Exp Cell Res 82:375-82, Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CALCIUM, pharmacodynamics/ CELL FRACTIONATION/ COMPARATIVE STUDY/ ENZYME ACTIVATION/ FEMALE/ FERTILIZATION/ GEL FILTRATION/ *GLYCOGEN PHOSPHORYLASE, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ OVUM, cytology/ OVUM, drug effects/ *OVUM, enzymology/ PYRIDOXAL PHOSPHATE, pharmacodynamics/ SEA URCHINS/ SPECIES SPECIFICITY/ SUBCELLULAR FRACTIONS, enzymology/ TIME FACTORS/ ULTRACENTRIFUGATION
3583. Shojania AM, Hornady GJ: Oral contraceptives and folate absorption. J Lab Clin Med 82:869-75, Dec 73
ADULT/ ANEMIA, MACROCYTIC, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ FOLIC ACID, blood/ *FOLIC ACID, metabolism/ GLUTAMATES, metabolism/ HUMAN/ INTESTINAL ABSORPTION, drug effects/ MALABSORPTION SYNDROMES, chemically induced/ MALABSORPTION SYNDROMES, diagnosis/ MALABSORPTION SYNDROMES, etiology/ PREGNANCY
3584. Shore RN, DeCherney AH, Stein KM, et al: The empty sella syndrome. Virilization in a 59-year-old woman. JAMA 227:69-70, 7 Jan 74
ADRENAL GLAND HYPERFUNCTION, complications/ *DIABETES MELLITUS, complications/ DIABETES MELLITUS, diagnosis/ FACIAL DERMATOSES, complications/ FEMALE/ HIRSUTISM, complications/ HUMAN/ *HYPERTENSION, complications/ HYPERTENSION, diagnosis/ MIDDLE AGE/ OBESITY, complications/ OBESITY, diagnosis/ OVARIAN DISEASES, complications/ *PITUITARY DISEASES, complications/ PITUITARY GLAND, abnormalities/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA/ SEX FACTORS/ SYNDROME/ TOMOGRAPHY, RADIOGRAPHIC/ *VIRILISM, complications
3585. Shownkeen RC, Thomas MB, Hartree AS, et al: A note on the purification of follicle-stimulating and luteinizing hormones from baboon pituitaries. J Endocrinol 59:659-60, Dec 73
ANIMAL EXPERIMENTS/ *BABOONS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ *FSH, isolation & purification/ *LH, isolation & purification/ METHODS/ MONKEYS/ PITUITARY GLAND, analysis
3586. Shpil'el' RS: Travmaticheski razryv otshnurovavshego dermoidnoi kisty laichnika. Sov Med 36:135-6, Apr 73 (Rus)
*ABDOMINAL INJURIES, complications/ CASE REPORT/ CHILD/ *DERMOID CYST, complications/ FEMALE/ HUMAN/ *OVARIAN CYSTS, complications/ RUPTURE, complications
3587. Shtenberg AI, Orlova NV, Torchinskiy AM: O deistvii pestitsidov razlichnoi khimicheskoi struktury na gonady i embriogenezu eksperimental'nykh zhivotnykh. Gig Sanit 38:16-20, Aug 73 (Rus)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BENZIMIDAZOLES, pharmacodynamics/ CARBAMATES, pharmacodynamics/ EMBRYO, drug effects/ ENGLISH ABSTRACT/ FEMALE/ *FERTILIZATION, drug effects/ FUNGICIDES, INDUSTRIAL, pharmacodynamics/ *GONADS, drug effects/ GONADS, enzymology/ MALE/ MANEB, pharmacodynamics/ *PESTICIDES, pharmacodynamics/ PREGNANCY/ RATS/ SEVIN, pharmacodynamics/ TIME FACTORS
3588. Shul'ga VA, Mertvetsov NP, Sellatitskaya VG, et al: Sviazovanie H3-al'dosterona izollirovannykh ladrami kletok plichek i golovnogo mozga krysa pri razlichnoi intensivnosti sekretsi al'dosterona. Dokl Akad Nauk SSSR 213:452-4, 11 Nov 73 (Rus)
*ALDOSTERONE, metabolism/ ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CELL NUCLEUS, metabolism/ DIET/ IN VITRO/ *KIDNEY, metabolism/ MALE/ RATS/ SODIUM/ TRITIUM/ WATER
3589. Schulze C: Saisonbedingte Veränderungen in der Morphologie der Leydigzellen von Rana esculenta. Z Zellforsch Mikrosk Anat 142:367-86, 17 Sep 73 (Ger)
ANIMAL EXPERIMENTS/ ENDOPLASMIC RETICULUM/ ENGLISH ABSTRACT/ FROGS/ GOLGI APPARATUS/ *LEYDIG CELLS, cytology/ LYSOSOMES/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *RANA ESCULENTA, anatomy & histology/ RIBOSOMES/ *SEASONS
3590. Shvydko NS, Il'in LA, Popov DK: K voprosu o formakh nakhozhdeniia Mo99 v organizme zhivotnykh. Gig Sanit 38:51-4, Aug 73 (Rus)
ADMINISTRATION, ORAL/ ADMINISTRATION, TOPICAL/ ANIMAL EXPERIMENTS/ BONE AND BONES, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ *MOLYBDENUM, metabolism/ RADIOISOTOPES/ RATS/ TIME FACTORS

AUTHOR SECTION

3591. Slebert D, Simon U: Genetic activity of metabolites in the ascitic fluid and in the urine of a human patient treated with cyclophosphamide: Induction of mitotic gene conversion in *Saccharomyces cerevisiae*. *Mutat Res* 21:257-62, Oct 73
ADULT/ *ASCITIC FLUID, metabolism/
CARCINOMA, drug therapy/ COMPARATIVE STUDY/ *CYCLOPHOSPHAMIDE, metabolism/
CYCLOPHOSPHAMIDE, pharmacodynamics/
CYCLOPHOSPHAMIDE, therapeutic use/
CYCLOPHOSPHAMIDE, urine/ FEMALE/
HUMAN/ *MITOSIS, drug effects/ OVARIAN NEOPLASMS, drug therapy/
RECOMBINATION, GENETIC, drug effects/
SACCHAROMYCES CEREVISIAE, drug effects/
*SACCHAROMYCES CEREVISIAE, metabolism/
TIME FACTORS
3592. Siegel ET: Letter: Replacement therapy for hypothyroidism in the dog.
J Am Vet Med Assoc 164:4-5, 1 Jan 74
ANIMAL EXPERIMENTS/ *DOG DISEASES, drug therapy/ DOGS/ HYPOTHYROIDISM, drug therapy/ *HYPOTHYROIDISM, veterinary/ TRIIODOTHYRONINE, therapeutic use
3593. Siegenthaler W: Aldosteronismus bei Leberzirrhose. *Dtsch Med Wochenschr* 98:2457, 21 Dec 73 (Ger)
HUMAN/ *HYPERALDOSTERONISM, etiology/
*LIVER CIRRHOSIS, complications
3594. Siegenthaler W: Arteritis temporalis.
Dtsch Med Wochenschr 98:2098, 2 Nov 73 (Ger)
HUMAN/ PREDNISOLONE, therapeutic use/
PREDNISONE, therapeutic use/
RECURRENCE/ *TEMPORAL ARTERITIS, therapy
3595. Sierra G, Acuña C, Otero J, et al: Simultaneous stimulation of the subcortical systems governing agonistic behaviour. *Brain Res* 63:111-21, 7 Dec 73
*AGGRESSION/ AMYGDALOID BODY, physiology/ ANIMAL EXPERIMENTS/
BEHAVIOR, ANIMAL/ *BRAIN, physiology/
BRAIN STEM, physiology/ CATS/ CAUDATE NUCLEUS, physiology/ DOMINANCE, CEREBRAL/ ELECTRIC STIMULATION/
ELECTRODES, IMPLANTED/ FEMALE/ FOOD DEPRIVATION/ HYPOTHALAMUS, physiology/
MALE/ NEURAL INHIBITION/ SEPTUM PELLUCIDUM, physiology
3596. Sievertsson H, Castensson S, Bowers CY, et al: Synthesis of analogs of the thyrotropin releasing hormone (TRH) and bioassays for TRH- and TRH-inhibiting activities.
Acta Pharm Suec 10:297-308, Sep 73
ANIMAL EXPERIMENTS/
ANTIMETABOLITES, pharmacodynamics/
DEPRESSION, CHEMICAL/ MICE/ MONKEYS/
PITUITARY HORMONE RELEASING HORMONES, physiology/ PROLACTIN, metabolism/ RADIOIMMUNOASSAY/
STIMULATION, CHEMICAL/
STRUCTURE-ACTIVITY RELATIONSHIP/
THYROID GLAND, drug effects/
*THYROTROPIN, metabolism/ *THYROTROPIN RELEASING HORMONE/ THYROTROPIN RELEASING HORMONE, antagonists & inhibitors/ THYROTROPIN RELEASING HORMONE, chem synthesis/ THYROTROPIN RELEASING HORMONE, pharmacodynamics
3597. Sigurdsson G, Nunziata V, Reiner M, et al: Calcium absorption and excretion in the gut in acromegaly. *Clin Endocrinol (Oxf)* 2:187-92, Jul 73
*ACROMEGALY, metabolism/ ADULT/ AGED/ CALCIUM, blood/ *CALCIUM, metabolism/
CALCIUM, urine/ CALCIUM RADIOISOTOPES/
FECEs, analysis/ FEMALE/ HUMAN/
*INTESTINAL ABSORPTION/ *INTESTINES, metabolism/ MALE/ MIDDLE AGE
3598. Sileri PK, Wilson JD: Testosterone formation and metabolism during male sexual differentiation in the human embryo.
J Clin Endocrinol Metab 38:113-25, Jan 74
CARBON RADIOISOTOPES/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
THIN LAYER/ FEMALE/ *FETUS, metabolism/ HUMAN/ MALE/ OVARY, metabolism/ PREGNENOLONE, metabolism/
PROGESTERONE, metabolism/ *SEX CHARACTERISTICS/ STANOLONE, biosynthesis/ TESTIS, metabolism/
TESTOSTERONE, biosynthesis/
*TESTOSTERONE, metabolism/ TRITIUM/
UROGENITAL SYSTEM, metabolism/
WOLFFIAN DUCT, metabolism
3599. Silen W: The Berry Lecture. Studies of the gastric mucosal barrier-its relevance to clinical gastric disease. *Guys Hosp Rep* 121:247-57, 1972
ANIMAL EXPERIMENTS/ ASPIRIN, pharmacodynamics/ DOGS/ EPITHELIUM/
FEMALE/ GASTRIC MUCIN/ *GASTRIC MUCOSA, secretion/ GASTRITIS, etiology/
HUMAN/ HYDROGEN, metabolism/
HYPOTENSION/ INDOMETHACIN, pharmacodynamics/ LITHIUM, metabolism/
MIDDLE AGE/ PERMEABILITY/
PREDNISOLONE, pharmacodynamics/
RABBITS/ STOMACH ULCER, etiology/
STRESS/ TAUROCHOLIC ACID, pharmacodynamics
3600. Silenzi M, Bernini G, Corvaglia E: Alterazioni elettrocardiografiche e compromissione miocardica in corso di sepsi meningococcica nell'infanzia. *Minerva Pediatr* 25:1453-64, 13 Oct 73 (Ita)
ARRHYTHMIA, etiology/ CHILD/ CHILD, PRESCHOOL/ ELECTROCARDIOGRAPHY/
ENGLISH ABSTRACT/ FEMALE/ *HEART DISEASES, etiology/ HUMAN/ INFANT/
MALE/ *MENINGITIS, MENINGOCOCCIC, complications/ *MENINGOCOCCAL INFECTIONS, complications/ *SEPTICEMIA, complications/ WATERHOUSE-FRIDERICHSEN SYNDROME, complications
3601. Siliprandi D, Siliprandi N, Scutari G, et al: Restoration of some energy linked processes lost during the ageing of rat liver mitochondria.
Biochem Biophys Res Commun 55:563-7, 10 Dec 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DITHIOTHREITOL, pharmacodynamics/ ENERGY TRANSFER/
HYDROGEN-ION CONCENTRATION/ IN VITRO/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ POTASSIUM, metabolism/ RATS/
TIME FACTORS/ UNCOUPLING AGENTS, pharmacodynamics
3602. Silva MT: Extinction of a passive avoidance response in adrenalectomized and demedullated rats.
Behav Biol 9:553-62, Nov 73
*ADRENAL GLANDS, physiology/ ADRENAL MEDULLA, physiology/ ADRENALECTOMY/
ANIMAL EXPERIMENTS/ *AVOIDANCE LEARNING/ ELECTROSHOCK/
*EPINEPHRINE, physiology/ EXPLORATORY BEHAVIOR/ *EXTINCTION (PSYCHOLOGY)/
FEAR/ MALE/ MOTOR ACTIVITY/
PITUITARY-ADRENAL SYSTEM/ PITUITARY GLAND, physiology/ RATS/ REACTION TIME
3603. Silver HK, Shuster J, Gold P, et al: Endocrinopathy and IgA deficiency.
Clin Immunol Immunopathol 1:212-9, Jan 73
ADOLESCENCE/ *DIABETES MELLITUS, complications/ FEMALE/ HUMAN/
*HYPOTHYROIDISM, complications/ *IGA/ IGG, analysis/ IGM, analysis/
IMMUNOELECTROPHORESIS/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/
IMMUNOLOGIC DEFICIENCY SYNDROMES, familial & genetic/ KARYOTYPING/ MALE/
MIDDLE AGE/ SEX CHROMATIN/
*TURNER'S SYNDROME, complications/
TURNER'S SYNDROME, familial & genetic
3604. Silvestrini F, Luzzati A, Chiodini PG, et al: Comportamento del TSH plasmatico nelle neoplasie ipofisarie dopo stimolazione con TRH.
Folia Endocrinol (Roma) 26:398-406, Oct 73 (Ita)

AUTHOR SECTION

- *ACROMEGALY, blood/ ACROMEGALY, metabolism/ *ADENOMA, CHROMOPHOBE, blood/ ADENOMA, CHROMOPHOBE, metabolism/ HUMAN/ HYPOPHYSECTOMY/ HYPOTHYROIDISM, etiology/ *PITUITARY NEOPLASMS, blood/ PITUITARY NEOPLASMS, complications/ THYROID GLAND FUNCTION TESTS/ *THYROTROPIN, blood/ THYROTROPIN, metabolism/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics
3605. Simionescu S: L'action pharmacodynamique non spécifique de l'ADH (8-lysine-vasopressine). Rev Roum Physiol 10:349-52, 1973 (Fre)
ACETYLCHOLINE/ ANIMAL EXPERIMENTS/ BLOOD CIRCULATION, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ CONVULSIONS, chemically induced/ CONVULSIONS, drug therapy/ ENDOCRINE GLANDS, drug effects/ HUMAN/ *LYSINE, pharmacodynamics/ NERVOUS SYSTEM, drug effects/ SHOCK, chemically induced/ *VASOPRESSIN, pharmacodynamics
3606. Simionescu S: Le rôle activateur de l'ACTH dans le mécanisme d'équilibration des fonctions de l'organisme. Rev Roum Physiol 10:467-9, 1973 (Fre)
*CORTICOTROPIN, pharmacodynamics/ ENDOCRINE GLANDS, drug effects/ ENZYMES, metabolism/ *HOMEOSTASIS, drug effects/ HORMONES, metabolism/ HUMAN/ IONS, metabolism/ METABOLISM, drug effects/ NERVOUS SYSTEM, drug effects/ OVARY, drug effects
3607. Simmonds HA, Hatfield PJ, Cameron JS, et al: Metabolic studies of purine metabolism in the pig during the oral administration of guanine and allopurinol. Biochem Pharmacol 22:2537-51, 15 Oct 73
ADMINISTRATION, ORAL/ ALLOPURINOL, administration & dosage/ *ALLOPURINOL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ CARBON RADIOISOTOPES/ CASTRATION/ DIET/ DRUG INTERACTIONS/ FEEDBACK/ GUANINE, administration & dosage/ *GUANINE, pharmacodynamics/ KIDNEY FUNCTION TESTS/ MALE/ NITROGEN, urine/ OSMOLAR CONCENTRATION/ *PURINES, metabolism/ PURINES, urine/ SWINE/ TESTIS, physiology/ TIME FACTORS/ UREA, blood
3608. Simmons FB: Sudden idiopathic sensorial-neural hearing loss: some observations. Laryngoscope 83:1221-7, Aug 73
ADOLESCENCE/ ADULT/ AGED/ AUDIOMETRY/ AUDITORY THRESHOLD/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSTIC ERRORS/ *HEARING DISORDERS, diagnosis/ HEARING DISORDERS, drug therapy/ HEARING DISORDERS, etiology/ HEARING DISORDERS, therapy/ HEARING TESTS/ HISTAMINE, therapeutic use/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ NICOTINIC ACID, therapeutic use/ STEROIDS, therapeutic use/ TIME FACTORS
3609. Simon LN, Shuman DA, Robins RK: The chemistry and biological properties of nucleotides related to nucleoside 3',5'-cyclic phosphates. Adv Cyclic Nucleotide Res 3:225-353, 1973 (261 ref.)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ COMPARATIVE STUDY/ CRYSTALLOGRAPHY/ GLYCOGEN PHOSPHORYLASE, metabolism/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE/ HUMAN/ KINETICS/ LIPIDS, metabolism/ MODELS, STRUCTURAL/ MOLECULAR CONFORMATION/ NEOPLASMS, EXPERIMENTAL, metabolism/ NUCLEOTIDES, CYCLIC, chem synthesis/ *NUCLEOTIDES, CYCLIC, metabolism/ ORGAN SPECIFICITY/ PHOSPHODIESTERASES, metabolism/ PROTEIN BINDING/ PROTEIN KINASE, metabolism/ RECEPTORS, DRUG/ REVIEW/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ THERMODYNAMICS
3610. Simon N, Berkó G, Dobozy A: Der Einfluss der Sexualhormone auf den Porphyrinstoffwechsel in Modellversuchen. Dermatol Monatsschr 159:868-71, Sep 73 (Ger)
ANIMAL EXPERIMENTS/ CHLOROBENZENES/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ MALE/ *MODELS, BIOLOGICAL/ PORPHYRIA, chemically induced/ PORPHYRIA, drug therapy/ PORPHYRIA, metabolism/ PORPHYRINS, biosynthesis/ *PORPHYRINS, metabolism/ RATS/ *SEX HORMONES, pharmacodynamics/ TESTOSTERONE, therapeutic use
3611. Simon P: Etude préclinique des antidépresseurs tricycliques. Therapie 28:209-23, Mar-Apr 73 (Fre)
ANIMAL EXPERIMENTS/ ANTIDEPRESSIVE AGENTS, administration & dosage/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ ANTIDEPRESSIVE AGENTS, toxicity/ AUTONOMIC NERVOUS SYSTEM, drug effects/ BEHAVIOR, ANIMAL, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ CATECHOLAMINES, metabolism/ CENTRAL NERVOUS SYSTEM, drug effects/ DRUG SCREENING/ ENGLISH ABSTRACT/ GASTROINTESTINAL SYSTEM, drug effects/ MICE/ MOTOR ACTIVITY, drug effects/ RABBITS/ RATS/ SEROTONIN, metabolism
3612. Simone J: Acute lymphocytic leukemia in childhood. Semln Hematol 11:25-39, Jan 74
ASPARAGINASE, therapeutic use/ BONE MARROW EXAMINATION/ CENTRAL NERVOUS SYSTEM DISEASES, prevention & control/ CHILD/ CHILD, PRESCHOOL/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DRUG THERAPY, adverse effects/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ IMMUNOSUPPRESSION/ INFECTION, etiology/ INJECTIONS, INTRATHECAL/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ LEUKOPENIA, etiology/ MALE/ METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ NEGROID RACE/ PREDNISONE, therapeutic use/ REMISSION/ VINCRISTINE, therapeutic use
3613. Simpson BH: Letter: Fertility and production in dairy cows. NZ Vet J 20:194-5, Oct 72
ANIMAL EXPERIMENTS/ ANIMAL NUTRITION/ CATTLE/ *CATTLE/ FEMALE/ *FERTILITY/ *LACTATION/ PREGNANCY
3614. Simpson CF: Effects of estrogen and progesterone on the cardiovascular and endocrine systems of turkeys. Poult Sci 52:1887-90, Sep 73
ANIMAL EXPERIMENTS/ AORTIC ANEURYSM, veterinary/ AORTIC DISEASES, veterinary/ ARTERIOSCLEROSIS, veterinary/ BLOOD PRESSURE/ BLOOD SUGAR, analysis/ *CARDIOVASCULAR DISEASES, veterinary/ CHOLESTEROL, blood/ CORONARY DISEASE, veterinary/ *DIETHYLSTILBESTROL/ *ENDOCRINE DISEASES, veterinary/ FEMALE/ HEART RATE/ HYPOTHYROIDISM, veterinary/ MALE/ MEDROXYPROGESTERONE/ *MESTRANOL/ OVARY, drug effects/ *POULTRY DISEASES, chemically induced/ RUPTURE, SPONTANEOUS/ TESTIS, drug effects/ TRIGLYCERIDES, blood/ *TURKEYS
3615. Simpson JS, Gibson DA, Cook GT: Surgical correction of caudal duplication (dipagus). J Pediatr Surg 5:935-8, Dec 73
*ABNORMALITIES, MULTIPLE, surgery/ ANUS, surgery/ BLADDER, abnormalities/ BLADDER, surgery/ COLON, surgery/ FEMALE/ GENITALIA, FEMALE, surgery/ HEART DEFECTS, CONGENITAL, complications/ HUMAN/ ILLIUM, surgery/

AUTHOR SECTION

- INFANT, NEWBORN/ INTESTINE, LARGE, abnormalities/ LEG, abnormalities/ OSTECTOMY/ OVARY, abnormalities/ PELVIC BONES, abnormalities/ PELVIC BONES, surgery/ RECTUM, surgery/ SITUS INVERSUS, complications/ TRACTION/ *TWINS, CONJOINED, surgery/ UMBILICAL HERNIA, surgery/ UTERUS, abnormalities/ UTERUS, surgery
3616. Singer G, Armstrong S: Cholinergic and beta-adrenergic compounds in the control of drinking behavior in the rat.
J Comp Physiol Psychol 85:453-62, Dec 73
*ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ *CARBACHOL, pharmacodynamics/ *DRINKING/ DRINKING BEHAVIOR, drug effects/ EATING, drug effects/ FOOD DEPRIVATION/ HUNGER, drug effects/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ INJECTIONS, SUBCUTANEOUS/ *ISOPROTERENOL, pharmacodynamics/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RATS/ SATIATION, drug effects/ THIRST, drug effects/ WATER DEPRIVATION
3617. Singer H, Zankl H, Rodewald-Rudescu A: Combined Klinefelter-Down syndrome or XYY syndrome? Humangenetik 19:261-4, 20 Sep 73
CELL NUCLEUS/ CHILD/ DERMATOGLYPHICS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FLUORESCENCE/ HUMAN/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, diagnosis/ MALE/ MITOSIS/ *MONGOLISM, diagnosis/ PHENOTYPE/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOMES
3618. Singer MA: Effect of different anions on 22Na permeability of liposomes.
Can J Physiol Pharmacol 51:779-84, Nov 73
ACETATES, pharmacodynamics/ AMINO BENZOIC ACID, pharmacodynamics/ BENZOATES, pharmacodynamics/ BROMIDES, pharmacodynamics/ CALCIUM CHLORIDE, pharmacodynamics/ CHLORIDES, pharmacodynamics/ ELECTROPHORESIS/ ETHACRYNIC ACID, pharmacodynamics/ FORMATES, pharmacodynamics/ IODIDES, pharmacodynamics/ LECITHINS, metabolism/ *LIPOSOMES, metabolism/ PARABENS, pharmacodynamics/ PROPIONATES, pharmacodynamics/ SALICYLATES, pharmacodynamics/ *SODIUM, metabolism/ SODIUM ISOTOPES/ THIOCYANATES, pharmacodynamics
3619. Singhal RL, Kacaw S, Sutherland DJ, et al: Plumbism: adaptive changes in hepatic and renal metabolism. Res Commun Chem Pathol Pharmacol 6:951-62, Nov 73
ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BODY WEIGHT/ DRUG WITHDRAWAL SYMPTOMS/ GLUCONEOGENESIS/ GLUCOSEPHOSPHATASE, metabolism/ HEXOSEDIPOHSPHATASE, metabolism/ KIDNEY, enzymology/ *KIDNEY, metabolism/ *LEAD POISONING, metabolism/ LIVER, enzymology/ *LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ MYOCARDIUM, metabolism/ ORGAN WEIGHT/ PHOSPHOENOLPYRUVATE CARBOXYKINASE, metabolism/ PYRUVATE CARBOXYLASE, metabolism/ RATS/ TESTIS, metabolism/ THYMUS GLAND, metabolism/ TIME FACTORS/ UREA, blood
3620. Singleton EB, Merten DF: An unusual syndrome of widened medullary cavities of the metacarpals and phalanges, aortic calcification and abnormal dentition. Pediatr Radiol 1:2-7, Mar 73
AORTIC DISEASES, complications/ *AORTIC DISEASES, radiography/ CALCINOSIS, complications/ *CALCINOSIS, radiography/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ DENTIN DYSPLASIA, complications/ DENTITION/ FEMALE/ FEVER OF UNKNOWN ORIGIN, complications/ *FINGERS, radiography/ GLAUCOMA, complications/ HEART ENLARGEMENT, complications/ HEART ENLARGEMENT, radiography/ HEART VALVE DISEASES, complications/ HEART VALVE DISEASES, radiography/ HUMAN/ INFANT/ *METACARPUS, radiography/ OSTEOPOROSIS, complications/ SYNDROME
3621. Sinha JN, Atkinson JM, Schmitt H: Effects of clonidine and L-dopa on spontaneous and evoked splanchnic nerve discharges. Eur J Pharmacol 24:113-9, Oct 73
ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ CATS/ *CLONIDINE, pharmacodynamics/ *DOPA, pharmacodynamics/ ELECTRIC STIMULATION/ *EVOKED POTENTIALS, drug effects/ FEMALE/ HEART RATE, drug effects/ HYPOTHALAMUS, physiology/ LAMINECTOMY/ MALE/ MEDULLA OBLONGATA, physiology/ METHYLDOPAHYDRAZINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PRESSORECEPTORS, drug effects/ RECEPTORS, ADRENERGIC/ SCIATIC NERVE, physiology/ SPINAL CORD, physiology/ *SPLANCHNIC NERVES, drug effects/ STEREOTAXIC TECHNIQUES/ SYMPATHOLYTICS, pharmacodynamics/ YOHIMBINE, pharmacodynamics
3622. Sinlachenko VV: Oslozheniia pri kortikosteroidnoi terapii v revmatologicheskoi praktike. Ter Arkh 45:38-41, Jan 73 (Rus)
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADRENAL GLAND DISEASES, chemically induced/ ADULT/ AGED/ *COLLAGEN DISEASES, drug therapy/ CUSHING'S SYNDROME, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ HEMORRHAGE, GASTROINTESTINAL, chemically induced/ HUMAN/ MALE/ MIDDLE AGE
3623. Sirakov P: Lecbenie na kataralnite i kataralno-erozivnitate khronichni koliti s repredzol. Vutr Boles 12:92-7, 1973 (Bul)
BORIC ACIDS, therapeutic use/ *COLITIS, drug therapy/ *COLITIS, ULKERATIVE, drug therapy/ *COLONIC DISEASES, FUNCTIONAL, drug therapy/ DRUG COMBINATIONS/ ENEMA/ HUMAN/ *PREDNISOLONE, TOPICAL, administration & dosage/ VITAMIN A, therapeutic use
3624. Sirotkin AN, Sarapul'tsev IA: Perekhod produktov laderogo delenia v moloko korov pri odnokratnom i khronicheskome postuplenii cherez rot. Glg Sanit 38:108-10, Jun 73 (Rus)
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ *ANIMAL FEED/ CATTLE/ FEMALE/ FOOD CONTAMINATION, RADIOACTIVE/ *LACTATION, radiation effects/ *MILK, metabolism/ RADIATION EFFECTS/ *RADIOISOTOPES, administration & dosage
3625. Sjöstrand NO: Effects of acetylcholine and some other smooth muscle stimulants on the electrical and mechanical responses of the guinea-pig vas deferens to nerve stimulation. Acta Physiol Scand 89:1-9, Sep 73
ACETYLCHOLINE, antagonists & inhibitors/ *ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ BARIUM, pharmacodynamics/ BRADYKININ, pharmacodynamics/ CELL MEMBRANE, drug effects/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ MALE/ *MUSCLE, SMOOTH, drug effects/ NEURAL TRANSMISSION/ SEROTONIN, pharmacodynamics/ *VAS DEFERENS, drug effects/ VAS DEFERENS, physiology
3626. Sjöstrand T: Circulatory control via vagal afferents. VI. The bleeding bradycardia in the rat, its elicitation and

AUTHOR SECTION

- relation to the release of vasopressin.
Acta Physiol Scand 89:39-50, Sep 73
- ALCOHOL, ETHYL, pharmacodynamics/
ANIMAL EXPERIMENTS/ BLOOD PRESSURE/
BLOOD VOLUME/ CAROTID SINUS/
DENERVATION/ DEPRESSION, CHEMICAL/
GLUCOSE, pharmacodynamics/ *HEART RATE/
HEART RATE, drug effects/ HEMORRHAGE,
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HYPOPHYSECTOMY/ ISOTONIC SOLUTIONS/
NEURONS, AFFERENT/ PITUITARY GLAND,
physiology/ RATS/ STIMULATION,
CHEMICAL/ TIME FACTORS/ VAGUS
NERVE/ *VASOPRESSIN, metabolism/
VASOPRESSIN, pharmacodynamics/ VENA
CAVA, INFERIOR, physiology
3627. Skalba H, Jeż W, Torbus T: Zespół Chiari-Frommela.
Ginekol Pol 44:1315-9, Nov 73 (23 ref.) (Pol)
AMENORRHEA, diagnosis/ *CHIARI-FROMMEL
SYNDROME/ CHIARI-FROMMEL SYNDROME,
diagnosis/ CHIARI-FROMMEL SYNDROME,
drug therapy/ CHIARI-FROMMEL SYNDROME,
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DIAGNOSIS, DIFFERENTIAL/ ENGLISH
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GONADOTROPINS, therapeutic use/ HUMAN/
17-KETOSTEROIDS, urine/ LACTATION
DISORDERS, diagnosis/ PREGNANCY/
PROLACTIN, secretion/ RECURRENCE/
REVIEW
3628. Skarić-Selzova K, Starčević M, Gajić S: Neki etioloski i
terapijski aspekti rekurentnih aphtoznih ulceracija.
Stomatol Glas Srh 20:9-13, Jan-Feb 73 (Ser)
ADRENAL CORTEX HORMONES, therapeutic
use/ ANTIBIOTICS, therapeutic use/
ENGLISH ABSTRACT/ SPECIAL LIST
DENTAL/ STOMATITIS, APHTHOUS, drug
therapy
3629. Skinsnes OK, Sakurai I, Aquino TI: Pathogenesis of
extremity deformity in leprosy. A pathologic study on
large sections of amputated extremities in relation to
radiological appearance.
Int J Lepr 40:375-88, Oct-Dec 72
ADOLESCENCE/ ADULT/ *AMPUTATION
STUMPS/ *BONE AND BONES, abnormalities/
BONE AND BONES, radiography/ CHINA/
ETHNIC GROUPS/ FEMALE/ *FOOT,
pathology/ FOOT, radiography/ *FOOT
DEFORMITIES, ACQUIRED, etiology/ FOOT
DEFORMITIES, ACQUIRED, pathology/ FOOT
DEFORMITIES, ACQUIRED, radiography/
*HAND, pathology/ HAND, radiography/
*HAND DEFORMITIES, ACQUIRED, etiology/
HAND DEFORMITIES, ACQUIRED, pathology/
HAND DEFORMITIES, ACQUIRED,
radiography/ HUMAN/ *LEPROSY,
complications/ LEPROSY, pathology/
LEPROSY, radiography/ MALE/ MIDDLE
AGE/ TOES, pathology/ TOES, radiography
3630. Sklan D, Budowski P, Katz M: Determination of
25-hydroxycholecalciferol by combined thin layer and
gas chromatography. Anal Biochem 58:806-9, Dec 73
ANIMAL EXPERIMENTS/ CHICKENS/
CHOLECALCIFEROL, analysis/
CHOLESTEROL, analysis/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
ERGOCALCIFEROL, analysis/ FEMALE/
*HYDROXYCHOLECALCIFEROL, analysis/
HYDROXYCHOLECALCIFEROL, blood/
METHODS/ VITAMIN A, analysis
3631. Skowsky WR, Fisher DA: Intermittent, idiopathic,
inappropriate vasopressin secretion in a child.
J Pediatr 83:82-8, Jul 73
AGE FACTORS/ ALDOSTERONE, secretion/
CASE REPORT/ CONVULSIONS, etiology/
DESOXYCORTICOSTERONE, therapeutic use/
DIURESIS/ FEMALE/ FLUDROCORTISONE,
therapeutic use/ HUMAN/ HYPONATREMIA,
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OSMOLAR CONCENTRATION/
PITUITARY-ADRENAL SYSTEM/ *PITUITARY
DISEASES/ PITUITARY DISEASES,
complications/ PITUITARY DISEASES, drug
therapy/ PITUITARY DISEASES,
physiopathology/ RENIN, secretion/ SODIUM
CHLORIDE, metabolism/ *VASOPRESSIN,
secretion/ WATER INTOXICATION,
complications/ *WATER INTOXICATION,
etiology
3632. Skripkin IuK, Vinokurov IN: Kompleksnoe lechenie
kortikosteroidnymi i anabolicheskimi gormonami
hol'nykh s tiazhelymi formami gnezdnol alopetzii.
Sov Med 38:121-3, Feb 73 (Rus)
ADOLESCENCE/ ADRENAL CORTEX
HORMONES, administration & dosage/
*ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ *ALOPECIA AREATA, drug
therapy/ ANABOLIC STEROIDS, administration
& dosage/ *ANABOLIC STEROIDS, therapeutic
use/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ MALE/ MIDDLE AGE
3633. Skripkin IuK, Vinokurov IN: Lechenie bol'nykh
gnezdnym ohlyseniem steroidnymi gormonami v
sochetanii s nekotorymi protivomallarnymi
preparatami. Sov Med 38:149, Sep 73 (Rus)
*ADRENAL CORTEX HORMONES, therapeutic
use/ ADULT/ *ALOPECIA AREATA, drug
therapy/ *ANTIMALARIALS, therapeutic use/
DRUG SYNERGISM/ DRUG THERAPY,
COMBINATION/ FEMALE/ HUMAN/ MALE/
MIDDLE AGE
3634. Slabý A, Došková M, Horký K, et al: Účinek
beta-adrenolytik na plazmatickou reninovou aktivitu.
Sb Lek 75:355-63, Nov 73 (Cze)
ADULT/ ENGLISH ABSTRACT/ HUMAN/
HYPERTENSION, blood/ MALE/ *PINDOLOL,
pharmacodynamics/ POSTURE/
*PROPRANOLOL, pharmacodynamics/ *RENIN,
blood
3635. Slabý A, Horký K, Došková M, et al: Beta-adrenergic
blockade and plasma renin activity in borderline
hypertension. Eur J Clin Pharmacol 6:145-9, Oct 73
ADOLESCENCE/ *ADRENERGIC BETA
RECEPTOR BLOCKADERS, pharmacodynamics/
ADULT/ BLOOD PRESSURE, drug effects/
CIRCADIAN RHYTHM/ DOPAMINE, urine/
ELECTROCARDIOGRAPHY/ EPINEPHRINE,
urine/ HEART RATE, drug effects/ HUMAN/
*HYPERTENSION, blood/ MALE/
NOREPINEPHRINE, urine/ POSTURE/
PROPRANOLOL, pharmacodynamics/ *RENIN,
blood/ TIME FACTORS/ VALSALVA'S
MANEUVER
3636. Slaga TJ, Scribner JD: Inhibition of tumor initiation and
promotion by anti-inflammatory agents.
J Natl Cancer Inst 51:1723-5, Nov 73
ALCOHOLS/ ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS, therapeutic
use/ *BENZANTHRACENES/ *CROTON OIL/
*DEXAMETHASONE, therapeutic use/
DITERPENES/ DRUG SYNERGISM/ FATTY
ACIDS/ FEMALE/ *METHYLCHOLANTHRENE/
MICE/ *NEOPLASMS, EXPERIMENTAL,
chemically induced/ *OXAZINES, therapeutic
use/ OXAZOLES, therapeutic use/
*OXYPHENBUTAZONE, therapeutic use/ TIME
FACTORS
3637. Slavin RG: Skin tests in the diagnosis of allergies of the
immediate type. Med Clin North Am 58:85-9, Jan 74
ADRENAL CORTEX HORMONES,
pharmacodynamics/ ADULT/ AGE FACTORS/
ALLERGENS, diagnostic use/ ANTIBODY
SPECIFICITY/ CODEINE, pharmacodynamics/
EPINEPHRINE, pharmacodynamics/ FALSE
NEGATIVE REACTIONS/ FALSE POSITIVE
REACTIONS/ HISTAMINE LIBERATION, drug
effects/ HUMAN/ *HYPERSENSITIVITY,
IMMEDIATE, diagnosis/ IGE/
ISOPROTERENOL, pharmacodynamics/
MORPHINE, pharmacodynamics/ *SKIN TESTS
3638. Slepov MI: Sostoiannie nekotorykh endokrinnykh
organov u hol'nykh rakom sheki matki.
Akush Ginekol (Mosk) 49:43-6, Mar 73 (Rus)
ADRENAL CORTEX HORMONES, urine/
*ADRENAL GLANDS, physiopathology/
ADULT/ *CERVIX NEOPLASMS,

AUTHOR SECTION

- physiopathology/ CIRCADIAN RHYTHM/
ENGLISH ABSTRACT/ ESTROGENS, urine/
FEMALE/ HUMAN/ *LIVER, physiopathology/
LIVER FUNCTION TESTS/ MIDDLE AGE/
PITUITARY-ADRENAL FUNCTION TESTS/
*THYROID GLAND, physiopathology/
THYROID GLAND FUNCTION TESTS
3639. Slepynin VI, Shellna EA: Bolezn' Vchera-Khristiana.
Arkhh Patol 35:64-7, 1973 (Rus)
ADULT/ CONNECTIVE TISSUE CELLS/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
PANNICULITIS, NODULAR
NONSUPPURATIVE, drug therapy/
*PANNICULITIS, NODULAR
NONSUPPURATIVE, pathology/ PEPTIC
ULCER HEMORRHAGE/ PREDNISOLONE,
adverse effects/ SKIN, pathology/ STOMACH
ULCER, chemically induced/ STOMACH
ULCER, complications/ SYNDROME/
TRIAMCINOLONE, adverse effects
3640. Slim R, Vasile N, Ferrane J: La radiologie dans
l'hypertension artérielle.
Tunis Med 50:363-75, Sep-Oct 72 (Fre)
*ADRENAL GLAND DISEASES, radiography/
*ADRENAL GLAND NEOPLASMS,
radiography/ ANGIOGRAPHY/ *AORTIC
DISEASES, radiography/ AORTOGRAPHY/
ARTERIOSCLEROSIS, radiography/ HUMAN/
*HYPERTENSION, etiology/ *HYPERTENSION,
PORTAL, radiography/ *HYPERTENSION,
RENAL, radiography/ *KIDNEY DISEASES,
radiography/ *PHEOCHROMOCYTOMA,
radiography/ *RENAL ARTERY
OBSTRUCTION, radiography/ THROMBOSIS,
radiography/ TOMOGRAPHY, RADIOGRAPHIC/
UROGRAPHY
3641. Slotkin TA, Kirshner N: All-or-none secretion of
adrenal medullary storage vesicle contents in the rat.
Biochem Pharmacol 22:205-19, 15 Jan 73
ADENOSINE TRIPHOSPHATE, metabolism/
ADRENAL MEDULLA, cytology/ ADRENAL
MEDULLA, enzymology/ *ADRENAL
MEDULLA, secretion/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CATECHOLAMINES, metabolism/
CATECHOLAMINES, secretion/
CENTRIFUGATION, DENSITY GRADIENT/
DOPAMINE BETA HYDROXYLASE,
metabolism/ EPINEPHRINE, metabolism/
INSULIN, pharmacodynamics/ KINETICS/
MALE/ MEMBRANES, metabolism/
METARAMINOL, metabolism/ RATS/
TRITIUM/ TYRAMINE, metabolism
3642. Smazhnova NA, Chetverushkin BV: Biokhimicheskie
izmeneniia krovi pri tiazheoi cherepno-mozgovoi
travme. Sov Med 36:138-9, Sep 73 (Rus)
*BRAIN INJURIES, ACUTE, blood/
*GLUCOCORTICOIDS, blood/ HUMAN
3643. Smejkal V, Soumar J, Smejkalová E: Uher den
praktischen Wert der Aspirationsbiopsie der
cystischen Schilddrüsenknoten.
Endokrinologie 61:312-6, May 73 (Ger)
*BIOPSY, NEEDLE/ CHILD/ *CYSTS,
diagnosis/ CYSTS, pathology/ DIAGNOSIS,
DIFFERENTIAL/ *GOITER, NODULAR,
diagnosis/ GOITER, NODULAR, pathology/
HUMAN/ MACROPHAGES/ MALE/ METHODS/
RADIOISOTOPE SCANNING/ *THYROID
DISEASES, diagnosis/ THYROID DISEASES,
pathology/ THYROID GLAND, pathology
3644. Smik MM, Lunina NV: Stilist' erytrotasytiv do dli
ul'trazvuku v norml ta pry hipotyreozi.
Fiziol Zh 19:406-7, May-Jun 73 (Ukr)
ANIMAL EXPERIMENTS/ *ERYTHROCYTES/
*HYPOTHYROIDISM, blood/ RABBITS/
*ULTRASONICS
3645. Smith R, Ristow BV, Converse J, et al: Severe scarring
secondary to chickenpox. A case report.
Br J Plast Surg 26:344-5, Oct 73
AMPICILLIN, therapeutic use/ CASE
REPORT/ *CHICKENPOX, complications/
CHILD/ *CICATRIX, etiology/ EYELIDS,
surgery/ FACIAL DERMATOSES, etiology/
GAMMA GLOBULIN, therapeutic use/
HUMAN/ MALE/ SEPTICEMIA, drug therapy/
SURGERY, PLASTIC/ THYMUS GLAND,
abnormalities/ TRIAMCINOLONE, therapeutic
use
3646. Smith CS, Howard NJ: Propranolol in treatment of
neonatal thyrotoxicosis. J Pediatr 83:1046-8, Dec 73
ADMINISTRATION, ORAL/ BODY WEIGHT/
FEMALE/ HEART RATE/ HUMAN/
*HYPERTHYROIDISM, drug therapy/
HYPERTHYROIDISM, physiopathology/
INFANT, NEWBORN/ *INFANT, NEWBORN,
DISEASES, drug therapy/ INFANT,
NEWBORN, DISEASES, etiology/
PREGNANCY/ PREGNANCY
COMPLICATIONS/ PROPRANOLOL,
administration & dosage/ *PROPRANOLOL,
therapeutic use/ RESPIRATION
3647. Smith LL, Kullig MJ, Teng JI: Sterol metabolism. XXVI.
Pyrolysis of some sterol allylic alcohols and
hydroperoxides. Steroids 22:627-35, Nov 73
CHEMISTRY/ *CHOLESTENES/
CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ HEAT/
HYDROXYSTERIODS/ KETOSTEROIDS/
*PEROXIDES/ SPECTROPHOTOMETRY,
INFRARED/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ *STEROLS
3648. Smith M, Hopkinson DA, Harris H: Studies on the
properties of the human alcohol dehydrogenase
isozymes determined by the different loci ADH1,
ADH2, ADH3. Ann Hum Genet 37:49-67, Jul 73
ACETALDEHYDE/ ALCOHOL, ETHYL/
ALCOHOL OXIDOREDUCTASES, antagonists &
inhibitors/ *ALCOHOL OXIDOREDUCTASES,
metabolism/ ALCOHOL, PROPYL/
ALCOHOLS/ ALCOHOLS, BUTYL/
ALCOHOLS, HEXYL/ ALCOHOLS, OCTYL/
ALDEHYDE OXIDOREDUCTASES/ CHLORAL
HYDRATE/ ELECTROPHORESIS, STARCH
GEL/ FETUS, enzymology/ FREEZING/
GENES/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ INTESTINES, enzymology/
*ISOENZYMES, metabolism/ KIDNEY,
enzymology/ LIVER, enzymology/ LUNG,
enzymology/ PHENOTYPE/ PREGNANCY/
PYRAZOLES/ THIOUREA/ TISSUE
EXTRACTS
3649. Smith NC, Brush MG: Proceedings:
Progesterone-macromolecular interactions in
preparations of human placental villous surface
membrane. J Endocrinol 59:xvii, Nov 73
CELL MEMBRANE, metabolism/
CENTRIFUGATION/ DRUG INTERACTIONS/
FEMALE/ HUMAN/ IN VITRO/
*MACROMOLECULAR SYSTEMS/ *PLACENTA,
metabolism/ PREGNANCY/ *PROGESTERONE,
metabolism
3650. Smith TP, Dodds WJ, Tartaglia AP:
Thrombasthenic-thrombopathic thrombocytopenia
with giant, "swiss-cheese" platelets. A case report.
Ann Intern Med 79:828-34, Dec 73
ADENOSINE DIPHOSPHATE, diagnostic use/
AGED/ BLOOD CELL COUNT/ BLOOD
COAGULATION TESTS/ *BLOOD PLATELET
DISORDERS, classification/ *BLOOD
PLATELETS/ CASE REPORT/ CELL
SURVIVAL/ HUMAN/ MALE/ MICROSCOPY,
ELECTRON/ MICROSCOPY, PHASE
CONTRAST/ PLATELET ADHESIVENESS/
PREDNISONE, therapeutic use/
*THROMBOPENIA, blood/ THROMBOPENIA,
drug therapy
3651. Smolenskii VS, Rom-Boguslavskaya ES, Abinder AA, et
al: O tselesoobraznosti primeneniia
beta-adrenoliokatorov pri lechenii
tirotoksicheskogo porazheniia serdtsa.
Probl Endokrinol (Mosk) 19:20-5, Nov-Dec 73 (Rus)
ADOLESCENCE/ *ADRENERGIC BETA
RECEPTOR BLOCKADERS, therapeutic use/
ADULT/ ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ HEART, physiopathology/
*HEART DISEASES, drug therapy/ HEART

AUTHOR SECTION

- DISEASES, etiology/ HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTHYROIDISM, complications/ MIDDLE AGE/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ RABBITS
3652. Snegireva LV, Skorobogatova EP, Areshkina Lia: Ob obmene metilmethionina (vitamina U) u mlekopitalushchikh.
Prikl Biokhim Mikrobiol 9:179-85, Mar-Apr 73 (Rus)
ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ CYSTATHIONINE, biosynthesis/ DIET/ ENGLISH ABSTRACT/ HOMOCYSTEINE, metabolism/ HOMOSERINE/ HYDRO-LYASES, metabolism/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ METHIONINE, biosynthesis/ *METHIONINE, metabolism/ METHIONINE, pharmacodynamics/ PHENETHANOLAMINE
N-METHYLTRANSFERASE, metabolism/ RATS/ SERINE DEHYDRATASE, metabolism/ TRANSFERASES, metabolism/ *VITAMINS, metabolism
3653. Snell K, Walker DG: Glucose metabolism in the newborn rat. Hormonal effects in vivo.
Biochem J 134:899-906, Aug 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, metabolism/ BLOOD SUGAR/ CARBON RADIOISOTOPES/ DACTINOMYCIN, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ GLUCONEOGENESIS/ *GLUCOSE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ LACTATES, metabolism/ *LIVER, metabolism/ *LIVER GLYCOGEN, metabolism/ RATS
3654. Sod-Morlah UA, Bedrak E: FSH content of the anterior pituitary and the incorporation of L-lysine-U-14C into testicular proteins of heat-acclimatized rats.
Comp Biochem Physiol [A] 47:333-9, Jan 74
*ACCLIMATIZATION/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ BODY WEIGHT/ CARBON RADIOISOTOPES/ FEMALE/ *FSH, metabolism/ FSH, pharmacodynamics/ HEAT/ KINETICS/ *LYSINE, metabolism/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, metabolism/ *PROTEINS, biosynthesis/ RATS/ *TESTIS, metabolism
3655. Soffer RL: Post-translational modification of proteins catalyzed by aminoacyl-tRNA-protein transferases.
Mol Cell Biochem 23:14, 15 Nov 73 (38 ref.)
*ACYLTRANSFERASES, metabolism/ ANIMAL EXPERIMENTS/ ARGININE/ CARBON RADIOISOTOPES/ CATTLE/ CELL-FREE SYSTEM/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ ESCHERICHIA COLI/ ESCHERICHIA COLI, enzymology/ LEUCINE/ LIVER, enzymology/ MOLECULAR WEIGHT/ MUTATION/ *PEPTIDE CHAIN ELONGATION/ PHENOTYPE/ PHENYLALANINE/ *PROTEINS, biosynthesis/ RABBITS/ REVIEW/ RNA, BACTERIAL/ RNA, TRANSFER/ RNA, TRANSFER, metabolism/ SERUM ALBUMIN, BOVINE, metabolism/ SHEEP/ THYROID GLAND, enzymology/ TRANSLATION, GENETIC
3656. Sofranková A: Rádíolmunochemické stanovenie proteohormónov. Cesk Fysiol 22:156-68, 1973 (Slo)
*ADRENAL CORTEX HORMONES, analysis/ HUMAN/ *INSULIN, analysis/ IODINE RADIOISOTOPES/ *PITUITARY HORMONES, ANTERIOR, analysis/ RADIOIMMUNOASSAY
3657. Sokolowska-Hallup J: Ultrastructure of argentophil cells of the gastric fundus glands under the influence of pharmacologic stimulating and inhibiting agents.
Folia Morphol (Warsz) 32:469-79, Oct 73
ANIMAL EXPERIMENTS/ *ATROPINE, pharmacodynamics/ *CHROMAFFIN SYSTEM, cytology/ GASTROINTESTINAL HORMONES/ GUINEA PIGS/ MALE/ *MITOCHONDRIA, metabolism/ NERVE ENDINGS, drug effects/ PARASYMPATHETIC NERVOUS SYSTEM, drug effects/ *PILOCARPINE, pharmacodynamics/ *STOMACH, cytology/ SULFATES, pharmacodynamics
3658. Sokolowski JH, Zimbelman RG: Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of the bitch.
Am J Vet Res 34:1493-9, Dec 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ AGE FACTORS/ ANIMAL EXPERIMENTS/ CORPUS LUTEUM, drug effects/ *DOGS, physiology/ ESTRUS/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ INJECTIONS, SUBCUTANEOUS/ MAMMAE, drug effects/ *MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ PITUITARY GLAND, drug effects/ *REPRODUCTION, drug effects/ TIME FACTORS/ UTERUS, anatomy & histology/ UTERUS, drug effects
3659. Sokolowski JH, Zimbelman RG: Canine reproduction: effects of a single injection of medroxyprogesterone acetate on the reproductive organs of intact and ovariectomized bitches.
Am J Vet Res 34:1501-3, Dec 73
ADRENAL GLANDS, anatomy & histology/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ CASTRATION/ *DOGS, physiology/ FEMALE/ INJECTIONS, SUBCUTANEOUS/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ *OVARY, physiology/ PITUITARY GLAND, drug effects/ *REPRODUCTION, drug effects/ UTERUS, anatomy & histology/ UTERUS, drug effects
3660. Solbach HG, Wiegelmann W, Kley HK, et al: Die diagnostische Bedeutung des synthetischen LH-RH (Luteinisierungshormon- Releasinghormon) für die Überprüfung der gonadotropen Funktion des Hypophysenvorderlappens.
Dtsch Med Wochenschr 98:2114-9, 9 Nov 73 (Ger)
ACROMEGALY, diagnosis/ ADULT/ ANOREXIA NERVOSA, diagnosis/ ANOSMIA, diagnosis/ COLOR BLINDNESS, diagnosis/ CRANIOPHARYNGIOMA, diagnosis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ EUNUCHISM, diagnosis/ FEMALE/ FSH, blood/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ HYPOGONADISM, diagnosis/ INJECTIONS, INTRAVENOUS/ LH, blood/ LH-FSH RELEASING HORMONE, administration & dosage/ *LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ MENTAL RETARDATION, diagnosis/ *PITUITARY DISEASES, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ TIME FACTORS
3661. Solheim O: Behandling av pasienter med langtkommen cancer.
Tidsskr Nor Laegeforen 93:1867-71, 20 Sep 73 (Nor)
BREAST NEOPLASMS, drug therapy/ DRUG THERAPY, COMBINATION/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ MALE/ NEOPLASMS, drug therapy/ NEOPLASMS, radiotherapy/ NEOPLASMS, surgery/ *NEOPLASMS, therapy
3662. Soliman FA, Aboul-Fadle W, Ayoub L, et al: The effects of pitocin and hysterectomy on growth and involution of the corpus luteum of the rabbit.
Zentralbl Veterinärmed [A] 20:571-80, Sep 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM, anatomy & histology/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, growth & development/ FEMALE/ *HYSTERECTOMY, veterinary/ *OXYTOCIN, pharmacodynamics/ *RABBITS

AUTHOR SECTION

3663. Solomonav AP, Larski EG: Opredelenie svobodnogo (v plazme krvi) i svyazannogo (v trombotsitakh) serotoninna spektrofotometricheskimi metodami. *Lah Delo* 2:80-3, 1973 (Rus)
*BLOOD PLATELETS, analysis/
CENTRIFUGATION/ METHODS/ *SEROTONIN, blood/ *SPECTROMETRY, FLUORESCENCE
3664. Solosko D: Preoperative evaluation and preparation of the patient. *Int Ophthalmol Clin* 13:61-82, Summer 73
*ANESTHESIA/ ANESTHESIA, adverse effects/ ANESTHESIA, classification/ ANTIHYPERTENSIVE AGENTS, adverse effects/ CHOLINESTERASE INHIBITORS, administration & dosage/ DIGITALIS GLYCOSIDES, adverse effects/ DRUG INTERACTIONS/ EYE DISEASES, complications/ *EYE DISEASES, surgery/ HEART DISEASES, complications/ HEART DISEASES, diagnosis/ HEART FUNCTION TESTS/ HUMAN/ HYDROCORTISONE, adverse effects/ HYPNOTICS AND SEDATIVES, administration & dosage/ LUNG DISEASES, complications/ LUNG DISEASES, diagnosis/ MEDICAL HISTORY TAKING/ MONOAMINE OXIDASE INHIBITORS, adverse effects/ NARCOTICS, adverse effects/ PARASYMPATHOLYTICS/ PHYSICAL EXAMINATION/ PHYSICIAN-PATIENT RELATIONS/ PREANESTHETIC MEDICATION/ PREDNISONE, adverse effects/ *PREOPERATIVE CARE/ RESPIRATORY FUNCTION TESTS/ TRANQUILIZING AGENTS, administration & dosage
3665. Solov'ev GM, Matlina ESh: Katergolomlmy v serdtse pri stressornykh vozdelstviiakh. *Kardiollogia* 13:140-52, Jan 73 (87 ref.) (Rus)
ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ ANOXIA, metabolism/ BRAIN INJURIES, ACUTE, metabolism/ BURNS, metabolism/ *CATECHOLAMINES, metabolism/ COLD/ DOGS/ DOPA, metabolism/ EPINEPHRINE, metabolism/ EXERTION/ GUINEA PIGS/ HEART, innervation/ MONKEYS/ *MYOCARDIUM, metabolism/ NORMETANEPHRINE, metabolism/ PAIN, metabolism/ RADIATION EFFECTS/ RATS/ REVIEW/ SHOCK, HEMORRHAGIC, metabolism/ SHOCK, TRAUMATIC, metabolism/ *STRESS, metabolism/ SYMPATHETIC NERVOUS SYSTEM, physiology
3666. Solyom J, Regöly-Mérei J, Körner A: Effect of potassium loading in vivo on steroid production in vitro by the quartered adrenal and the adrenal capsule of the rat. *Acta Physiol Acad Sci Hung* 43:19-28, 1973
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, secretion/ *ALDOSTERONE, secretion/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, secretion/ HYDROXYLASES, metabolism/ MALE/ *POTASSIUM CHLORIDE, pharmacodynamics/ RATS/ SODIUM CHLORIDE, pharmacodynamics
3667. Somazzi S, Goor W, Ott F: Therapieresultate bei oligospermien. *Dermatologica* 147:37-44, 1973 (Ger)
ENGLISH ABSTRACT/ GONADOTROPINS, therapeutic use/ HUMAN/ MALE/ SPERM CAPACITATION/ *STERILITY, MALE, drug therapy/ TESTOSTERONE, therapeutic use/ VITAMIN A, therapeutic use/ VITAMIN B COMPLEX, therapeutic use/ VITAMIN E, therapeutic use
3668. Somes RG Jr: Linkage relationships in domestic fowl. *J Hered* 64:217-21, Jul-Aug 73
ANIMAL EXPERIMENTS/ BLOOD GROUPS/ *CHICKENS/ CHROMOSOME MAPPING/ CROSSES, GENETIC/ CROSSING OVER (GENETICS)/ FEMALE/ GENES, RECESSIVE/ *LINKAGE (GENETICS)/ MALE/ MUSCULAR DYSTROPHY, ANIMAL, familial & genetic/ SEX CHROMOSOMES
3669. Somov BA, Markin IIA: Atroficheskie izmeneniia kozhii ot primenenii kortikosteroidnykh mazel. *Sov Med* 36:137-8, Apr 73 (Rus)
*ECZEMA, drug therapy/ FLUOCINOLONE ACETONIDE, adverse effects/ FLUOCINOLONE ACETONIDE, therapeutic use/ *GLUCOCORTICOIDS, TOPICAL, adverse effects/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ MALE/ *SKIN, drug effects
3670. Sondergaard J: Prostaglandiner ved betaendelse-nye perspektiver. *Ugeskr Laeger* 135:1012-7, 21 May 73 (Dan)
DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ *ERYTHEMA, chemically induced/ HUMAN/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, pharmacodynamics/ *SKIN, drug effects/ SKIN, pathology/ SKIN DISEASES, metabolism/ SKIN TESTS
3671. Sonenberg M, Swislocki NI, Bockman RS, et al: The membrane as transducer in peptide hormone action. *J Supramol Struct* 1:358-9, 1973
ADENOSINE TRIPHOSPHATE/ ANIMAL EXPERIMENTS/ BINDING SITES/ CARBON RADIOISOTOPES/ CATTLE/ CELL MEMBRANE, drug effects/ *CELL MEMBRANE, metabolism/ ERYTHROCYTES, cytology/ ERYTHROCYTES, metabolism/ HYPOPHYSECTOMY/ IODINE RADIOISOTOPES/ LIVER, cytology/ LIVER, metabolism/ ORGAN SPECIFICITY/ PITUITARY GLAND, physiology/ PROTEIN BINDING/ PROTEIN CONFORMATION/ RATS/ RECEPTORS, DRUG/ *SOMATOTROPIN, metabolism/ SOMATOTROPIN, pharmacodynamics/ SPECTROMETRY, FLUORESCENCE/ TRITIUM
3672. Sönksen PH, Tompkins CV, Srivastava MC, et al: A comparative study on the metabolism of human insulin and porcine proinsulin in man. *Clin Sci Mol Med* 45:833-54, Nov 73
ADULT/ BLOOD SUGAR/ COMPARATIVE STUDY/ FEMALE/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ INFUSIONS, PARENTERAL/ INSULIN, blood/ *INSULIN, metabolism/ INSULIN, pharmacodynamics/ IODINE RADIOISOTOPES/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ PROINSULIN, blood/ *PROINSULIN, metabolism/ PROINSULIN, pharmacodynamics/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ SWINE
3673. Sonntag RW: Richtlinien zur heutigen Therapie des multiplen Myeloms. *Schweiz Med Wochenschr* 103:1324-9, 22 Sep 73 (Ger)
CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ MELPHALAN, therapeutic use/ *MULTIPLE MYELOMA, drug therapy/ PREDNISONE, therapeutic use/ PURPURA, HYPERGLOBULINEMIC, drug therapy/ REMISSION/ TIME FACTORS
3674. Sooch SS, Deo MG, Karmarkar MG, et al: The Kangra Valley experiment: prevention of Himalayan endemic goitre with iodinated salt. *Acta Endocrinol [Suppl] (Khh)* 110, 1973
CHILD/ CHILD, PRESCHOOL/ FOOD ADDITIVES/ GOITER, ENDEMIC, occurrence/ *GOITER, ENDEMIC, prevention & control/ HUMAN/ INDIA/ *IODIDES, therapeutic use/ IODINE RADIOISOTOPES/ POTASSIUM IODIDE, therapeutic use/ SODIUM CHLORIDE/ THYROID GLAND FUNCTION TESTS/ TIME FACTORS
3675. Sorenson CA, Ellison GD: Nonlinear changes in activity and emotional reactivity scores following central noradrenergic lesions in rats. *Psychopharmacologia* 32:313-25, 15 Oct 73
AGGRESSION/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL, drug effects/ *CEREBRAL VENTRICLES, drug effects/ DEXTRO AMPHETAMINE, pharmacodynamics/

AUTHOR SECTION

- *DIENCEPHALON, metabolism/ ELECTROSHOCK/ EMOTIONS/ HANDLING (PSYCHOLOGY)/ *HYDROXYDOPAMINE, pharmacodynamics/ *HYPOTHALAMUS, metabolism/ MALE/ MOTOR ACTIVITY/ *NOREPINEPHRINE, metabolism/ RATS
3676. Sorokina IB, Barkova TI, Zakharychev AA, et al: Estrogennaya i protivopukholevala aktivnost' v riadu transformirovannykh analogov éstrona i éstradiola. Izv Akad Nauk SSSR [Biol] 5:664-70, Set-Oct 73 (Rus)
*ADENOCARCINOMA, drug therapy/ ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, therapeutic use/ ENGLISH ABSTRACT/ *ESTRADIOL, therapeutic use/ *ESTRONE, therapeutic use/ FEMALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MICE/ NEOPLASM TRANSPLANTATION/ RATS/ *SARCOMA, JENSEN, drug therapy/ TRANSPLANTATION, HOMOLOGOUS
3677. Sorokina NV, Orlova TI, Silaev AB: Svoistva aminokislotykh pulov aktinomitsyev-produtsentov aktinomitsinov. Antibiotiki 18:788-93, Sep 73 (Rus)
*ACTINOMYCETES, metabolism/ *ACTINOMYCIN, biosynthesis/ ALANINE, metabolism/ *AMINO ACIDS, metabolism/ CHLORAMPHENICOL, pharmacodynamics/ CULTURE MEDIA/ ENGLISH ABSTRACT/ GLYCINE, metabolism/ ISOLEUCINE, metabolism/ LEUCINE, metabolism/ PEPTIDES, metabolism/ PHENYLALANINE, metabolism/ THREONINE, metabolism/ THYROXINE, metabolism/ VALINE, metabolism
3678. Soszka S, Krawczuk A, Jakowicki J, et al: Zachowanie się FSH i LH oraz inhibitora gonadotropin w moczu dojrzewających dziewcząt. Endokrynol Pol 24:385-93, Sep-Oct 73 (Pol)
AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *FSH, urine/ *GONADOTROPINS, antagonists & inhibitors/ HUMAN/ *LH, urine/ *MENARCHE
3679. Soule HD, Vazquez J, Long A, et al: A human cell line from a pleural effusion derived from a breast carcinoma. J Natl Cancer Inst 51:1409-16, Nov 73
*ADENOCARCINOMA/ AGED/ *BREAST NEOPLASMS/ *CELL LINE/ CYTOPLASM/ ESTROGENS/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ *PLEURAL EFFUSION, cytology/ RECEPTORS, HORMONE
3680. Sparkes RS, Samec L, Kaplan SA, et al: Concurrence of myotonic dystrophy and XXY Klinefelter syndrome. Clin Genet 4:284-9, 1973
ADULT/ BIOPSY/ BODY HEIGHT/ DERMATOGLYPHICS/ HUMAN/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, complications/ KLINEFELTER'S SYNDROME, familial & genetic/ KLINEFELTER'S SYNDROME, pathology/ MALE/ MUSCLES, pathology/ *MYOTONIA ATROPHICA, complications/ MYOTONIA ATROPHICA, familial & genetic/ MYOTONIA ATROPHICA, pathology/ OBESITY/ SEX CHROMATIN/ TESTIS, pathology
3681. Spasov S, Dokumov S: Dermatoglyphische Untersuchungen bei Kranken mit primärem und sekundärem Hypoovariismus. Zentralbl Gynaekol 95:1287-90, 7 Sep 73 (Ger)
*DERMATOGLYPHICS/ ENGLISH ABSTRACT/ FEMALE/ FINGERS/ HAND/ HUMAN/ MALE/ MASS SCREENING/ *OVARY, abnormalities/ OVARY, embryology/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ *SEX CHROMOSOMES/ SEX FACTORS
3682. Spasov SA, Dokumov SI: Dermatoglyphic investigations of patients with Stein-Leventhal syndrome. Obstet Gynecol 42:877-80, Dec 73
COMPARATIVE STUDY/ *DERMATOGLYPHICS/ FEMALE/ HUMAN/ MALE/ SEX FACTORS/ *STEIN-LEVENTHAL SYNDROME, familial & genetic
3683. Spatz R, Jordan H: Apoplektiforme Blutungen in Hypophysentumoren. Munch Med Wochenschr 115:2021-4, 9 Nov 73 (Ger)
ACUTE DISEASE/ AGED/ BLINDNESS, etiology/ CEREBRAL HEMORRHAGE, diagnosis/ *CEREBRAL HEMORRHAGE, etiology/ CEREBRAL HEMORRHAGE, surgery/ DIAGNOSIS, DIFFERENTIAL/ DIPLOPIA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, etiology/ HUMAN/ MALE/ MIDDLE AGE/ PITUITARY DISEASES, diagnosis/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, surgery
3684. Specht EE, Hazeltig PE: Orthopaedic considerations of Silver's syndrome. J Bone Joint Surg [Am] 55:1502-10, Oct 73
ADOLESCENCE/ ADULT/ *BONE AND BONES, abnormalities/ CHILD/ CHILD, PRESCHOOL/ *DWARFISM, complications/ FEMALE/ HUMAN/ HYPERTROPHY, congenital/ INFANT/ JOINTS, abnormalities/ LEG, abnormalities/ LORDOSIS, complications/ MALE/ *PUBERTY, PRECOCIOUS, complications/ SCOLIOSIS, complications/ SPINE, abnormalities
3685. Spector I, Kimhi Y, Nelson PG: Tetrodotoxin and cobalt blockade of neuroblastoma action potentials. Nature [New Biol] 246:124-6, 28 Nov 73
*ACTION POTENTIALS, drug effects/ AMINOPTERIN/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CLONE CELLS/ *COBALT, pharmacodynamics/ CULTURE MEDIA/ MICE/ *NEUROBLASTOMA, metabolism/ SODIUM, metabolism/ *TETRODOTOXIN, pharmacodynamics
3686. Speeter D, Ohnsorge J: Rasterelektronenmikroskopisch erfassbare Schubbelchen am Knochen. Z Rechtsmed 73:137-43, 16 Oct 73 (Ger)
AUTOPSY/ *BONE AND BONES, pathology/ ENGLISH ABSTRACT/ FEMUR, pathology/ *FORENSIC MEDICINE/ HUMAN/ MICROSCOPY, ELECTRON, SCANNING/ *WOUNDS, GUNSHOT, pathology
3687. Spellman CM, Fottrell PF: Similarities between pyruvate kinase from human placenta and tumours. FEBS Lett 37:281-4, 1 Dec 73
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ALANINE, pharmacodynamics/ *CARCINOMA, enzymology/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ FRUCTOSEPHOSPHATES, pharmacodynamics/ GEL FILTRATION/ HUMAN/ *INTESTINAL NEOPLASMS, enzymology/ ISOENZYMES, metabolism/ JEJUNUM/ KINETICS/ *LUNG NEOPLASMS, enzymology/ MALE/ MOLECULAR WEIGHT/ ORGAN SPECIFICITY/ PHENYLALANINE, pharmacodynamics/ PLACENTA, drug effects/ *PLACENTA, enzymology/ PREGNANCY/ PYRUVATE KINASE, isolation & purification/ *PYRUVATE KINASE, metabolism/ SERINE, pharmacodynamics/ *STOMACH NEOPLASMS, enzymology
3688. Spiers PS: Letter: Multiple ovulation and risk of anencephaly and spina bifida. Lancet 2:1149, 17 Nov 73
*ANENCEPHALUS, etiology/ ANENCEPHALUS, occurrence/ FEMALE/ HUMAN/ ILLEGITIMACY/ INFANT, NEWBORN/ MATERNAL AGE/ *OVULATION/ PREGNANCY/ *PREGNANCY, MULTIPLE/ SOCIOECONOMIC FACTORS/ *SPINA BIFIDA, etiology/ SPINA BIFIDA, occurrence/ TWINS
3689. Spies H, Lorenz G: Rhabdomyosarkom des Ovars im Kindesalter. Zentralbl Gynaekol 95:1322-5, 14 Sep 73 (Ger)
ADOLESCENCE/ AUTOPSY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, pathology/ *RHABDOMYOSARCOMA, pathology
3690. Spindle AI, Pedersen RA: Hatching, attachment, and

AUTHOR SECTION

- outgrowth of mouse blastocysts in vitro: fixed nitrogen requirements. *J Exp Zool* 186:305-18, Dec 73
AMINO ACIDS, ESSENTIAL, metabolism/
ANIMAL EXPERIMENTS/ *BLASTOCYST,
growth & development/ BLASTOCYST,
metabolism/ COLLAGEN, metabolism/
CULTURE MEDIA/ CYSTINE, metabolism/
FEMALE/ GLUTAMINE, metabolism/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
EQUINE, pharmacodynamics/ HISTIDINE,
metabolism/ IMMUNE SERUMS/ IN VITRO/
METHIONINE, metabolism/ MICE/
*NITROGEN, metabolism/ OVULATION, drug
effects/ THREONINE, metabolism/
TRYPTOPHAN, metabolism/ TYROSINE,
metabolism/ VALINE, metabolism
3691. Spirichev VB: Stadil D-gipervitaminoza i lkh
blokhlmicheska diagnostika.
Pediatrila 52:30-6, Nov 73 (Rus)
ANIMAL EXPERIMENTS/ *CALCINOSIS,
diagnosis/ *CALCIUM, blood/ ENGLISH
ABSTRACT/ HYPERCALCEMIA, diagnosis/
*PHOSPHORUS, blood/ RATS/ *VITAMIN D,
adverse effects
3692. Spitz IM, Diamant Y, Rosen E, et al: Isolated
gonadotropin deficiency. A heterogeneous syndrome.
N Engl J Med 290:10-5, 3 Jan 74
ADULT/ AMENORRHEA, blood/
AMENORRHEA, drug therapy/ AMENORRHEA,
etiology/ AMENORRHEA, physiopathology/
CLOMIPHENE, therapeutic use/ ESTRADIOL,
blood/ ESTROGENS, therapeutic use/
FEMALE/ FSH, blood/ *FSH, secretion/
GONADOTROPINS, CHORIONIC, therapeutic
use/ HUMAN/ *HYPOPITUITARISM/
HYPOPITUITARISM, blood/
HYPOPITUITARISM, complications/
HYPOPITUITARISM, drug therapy/
HYPOPITUITARISM, physiopathology/
*HYPOTHALAMO-HYPOPHYSAL SYSTEM,
physiopathology/ LH, blood/ *LH, secretion/
LH-FSH RELEASING HORMONE, therapeutic
use/ MENOTROPINS, therapeutic use/
PREGNANCY/ PROGESTERONE, blood/
RADIOIMMUNOASSAY/ SYNDROME
3693. Spitzer RE, Bell MJ, Stitzel AE, et al: Complement
inhibition after canine and human renal
allotransplantation. *Ann Surg* 178:791-9, Dec 73
ADOLESCENCE/ ADULT/ ANIMAL
EXPERIMENTS/ ANTIBODIES/
ANTILYMPHOCYTE SERUM,
pharmacodynamics/ ANTILYMPHOCYTE
SERUM, therapeutic use/ AZATHIOPRINE,
therapeutic use/ CHILD/ COMPLEMENT,
analysis/ *COMPLEMENT, antagonists &
inhibitors/ DOGS/ FEMALE/ *GRAFT
REJECTION/ HUMAN/ *KIDNEY,
transplantation/ MALE/ PHAGOCYTOSIS/
PREDNISONE, pharmacodynamics/
PREDNISONE, therapeutic use/ TIME
FACTORS/ TRANSPLANTATION,
HOMOLOGOUS
3694. Splawinski JA, Nies AS, Sweetman B, et al: The effects
of arachidonic acid, prostaglandin E2 and
prostaglandin F2alpha on the longitudinal stomach
strip of the rat.
J Pharmacol Exp Ther 187:501-10, Dec 73
ACETYLCHOLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ ANOXIA,
physiopathology/ *ARACHIDONIC ACID,
pharmacodynamics/ ATROPINE,
pharmacodynamics/ CARBACHOL,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ FATTY ACIDS,
UNSATURATED, pharmacodynamics/
GLUTATHIONE, pharmacodynamics/
HYDRAZINES, pharmacodynamics/ IN VITRO/
INDOMETHACIN, pharmacodynamics/ MALE/
MORPHINE, pharmacodynamics/ *MUSCLE
CONTRACTION, drug effects/ MUSCLE,
SMOOTH, drug effects/ NITROGEN,
pharmacodynamics/ PHENOXYBENZAMINE,
pharmacodynamics/ PROSTAGLANDINS,
antagonists & inhibitors/ *PROSTAGLANDINS,
pharmacodynamics/ RATS/ RECEPTORS,
- DRUG/ REGRESSION ANALYSIS/ *STOMACH,
drug effects/ TIME FACTORS
3695. Spona J, Janisch H: Human growth hormone in
pregnancy. *Endocrinol Exp (Bratisl)* 7:297-300, 1973
ANTIBODY FORMATION/ FEMALE/
GESTATIONAL AGE/ HUMAN/ IMMUNE
SERUMS/ PLACENTAL LACTOGEN, blood/
*PREGNANCY/ PREGNANCY TESTS,
IMMUNOLOGIC/ RADIOIMMUNOASSAY/
*SOMATOTROPIN, blood
3696. Spongsveen KL: Myositt, tendinitt og bursitt ved
inflammatoriske reumatiske sykdommer.
Tidsskr Nor Lægeforen 93:2351-2, 20 Nov 73 (Nor)
BURSITIS, drug therapy/ *BURSITIS,
pathology/ ENGLISH ABSTRACT/ HUMAN/
INJECTIONS, INTRA-ARTICULAR/
METHYLPREDNISOLONE, therapeutic use/
*MYOSITIS, pathology/ MYOSITIS, therapy/
PHYSICAL THERAPY/ RHEUMATIC
NODULE/ SYNOVIAL CYST, drug therapy/
TENDINITIS, drug therapy/ *TENDINITIS,
pathology
3697. Squire RA, Bush M, Melby EC, et al: Clinical and
pathologic study of canine lymphoma: clinical staging,
cell classification, and therapy.
J Natl Cancer Inst 51:565-74, Aug 73
ANIMAL EXPERIMENTS/ ANTINEOPLASTIC
AGENTS, adverse effects/ *ANTINEOPLASTIC
AGENTS, therapeutic use/ BACTERIAL
INFECTIONS, complications/
CYCLOPHOSPHAMIDE, therapeutic use/
DISEASE MODELS, ANIMAL/ *DOG
DISEASES/ DOG DISEASES, drug therapy/
DOG DISEASES, pathology/ DOGS/ DRUG
THERAPY, COMBINATION/ EVALUATION
STUDIES/ FEMALE/ LYMPHOMA,
complications/ LYMPHOMA, drug therapy/
LYMPHOMA, mortality/ LYMPHOMA,
pathology/ LYMPHOMA, therapy/
*LYMPHOMA, veterinary/ MALE/
PREDNISONE, therapeutic use/ PROSPECTIVE
STUDIES/ REMISSION/ SPLENECTOMY/
TIME FACTORS/ VINCRISTINE, therapeutic
use
3698. Sridhar CB, Ram BK, Sunder AS, et al: Primary
hyperparathyroidism--a clinical, biochemical and
radiological profile with emphasis on geographical
variations. *Australas Radiol* 17:199-204, Jun 73
ADENOMA, pathology/ ALKALINE
PHOSPHATASE, blood/ BONE AND BONES,
pathology/ CALCIUM, blood/ CALCIUM,
DIETARY/ CHILD/ CHILD, PRESCHOOL/
FEMALE/ HUMAN/
*HYPERPARATHYROIDISM/
HYPERPARATHYROIDISM, blood/
HYPERPARATHYROIDISM, enzymology/
HYPERPARATHYROIDISM, pathology/
HYPERPARATHYROIDISM, radiography/
HYPERPARATHYROIDISM, surgery/ INDIA/
INFANT/ MALE/ PARATHYROID GLANDS,
pathology/ PARATHYROID NEOPLASMS,
pathology/ PHOSPHORUS, blood/
POSTOPERATIVE COMPLICATIONS/ TETANY,
etiology/ VITAMIN D DEFICIENCY,
complications
3699. Sridharan BN, Meyer RK, Karavolas HJ: Effect of 5
alpha-dihydroprogesterone, pregn-5-ene-3 20-dione,
pregnenolone and related progestins on ovulation in
PMSG-treated immature rats.
J Reprod Fertil 36:83-90, Jan 74
ANIMAL EXPERIMENTS/ ENVIRONMENT,
CONTROLLED/ FEMALE/ *GONADOTROPINS,
EQUINE, pharmacodynamics/ ORGAN
WEIGHT/ *OVULATION, drug effects/
*PREGNENOLONE, pharmacodynamics/
PREMEDICATION/ *PROGESTERONE,
pharmacodynamics/ RATS/ TIME FACTORS
3700. Srivastava RN, Mayekar G, Chandra RK, et al:
Clinicopathologic correlations in 100 children with the
nephrotic syndrome. *Indian Pediatr* 10:287-97, May 73
ADOLESCENCE/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ HEMATURIA,
complications/ HUMAN/ HYPERTENSION,
complications/ INFANT/ *KIDNEY, pathology/

AUTHOR SECTION

MALE/ NEPHROTIC SYNDROME, complications/ NEPHROTIC SYNDROME, drug therapy/ *NEPHROTIC SYNDROME, pathology/ PREDNISONE, therapeutic use/ PROTEINURIA, complications/ UREA, blood/ UREMIA, complications

3701. Srivastava TP, Tandon S: Urinary hydroxyproline excretion in osteomalacia.

Acta Orthop Scand 44:650-4, 1973

ALKALINE PHOSPHATASE, blood/
CREATININE, urine/ HUMAN/
*HYDROXYPROLINE, urine/ OSTEOMALACIA, enzymology/ *OSTEOMALACIA, urine/ TIME FACTORS

3702. Stadnicka A, Szoltyś M, Witkowska E: Effect on estradiol on the mouse female reproductive system in organ culture. Acta Histochem (Jena) 45:267-80, 1973

ALKALINE PHOSPHATASE, analysis/
ANIMAL EXPERIMENTS/ ENDOMETRIUM, enzymology/ *ESTRADIOL, pharmacodynamics/
FALLOPIAN TUBES, drug effects/
FALLOPIAN TUBES, enzymology/ FEMALE/
*GENITALIA, FEMALE, drug effects/ MICE/
MICE, INBRED C57BL/ ORGAN CULTURE/
OVARY, drug effects/ OVARY, enzymology/
TIME FACTORS/ UTERUS, drug effects/
UTERUS, enzymology/ VAGINA, drug effects/
VAGINA, enzymology

3703. Städtler F: Die normale und gestörte praeputerale Hodenentwicklung des Menschen.

Veroeff Morphol Pathol 92:1-127, 1973 (Ger)

ADOLESCENCE/ ADRENAL GLANDS, growth & development/ BRAIN DAMAGE, CHRONIC, pathology/ CHILD/ CHILD, PRESCHOOL/
CRYPTORCHISM, pathology/ DEATH, SUDDEN/ ENGLISH ABSTRACT/ GROWTH DISORDERS, complications/ HUMAN/
INFANT/ INFANT, NEWBORN/ MALE/
MICROSCOPY, ELECTRON/ ORGAN WEIGHT/
PITUITARY GLAND, pathology/ PUBERTY, PRECOCIOUS, complications/ SPERMATOZOA/
TESTIS, abnormalities/ TESTIS, anatomy & histology/ TESTIS, cytology/ *TESTIS, growth & development/ TESTIS, pathology

3704. Stafford RH, Farina J, Otterson WN: Osteogenesis imperfecta diagnosed in utero in conjunction with Rh sensitization. South Med J 67:111-2, Jan 74

ADULT/ ERYTHROBLASTOSIS, FETAL, complications/ *ERYTHROBLASTOSIS, FETAL, diagnosis/ FEMALE/ FETUS, radiography/
HUMAN/ INFANT, NEWBORN/ MALE/
METHODS/ OSTEOGENESIS IMPERFECTA, complications/ *OSTEOGENESIS IMPERFECTA, diagnosis/ OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOGENESIS IMPERFECTA, radiography/ *PRENATAL DIAGNOSIS

3705. Stafford-Beil MA: Letter: Fertility drugs and the media. Br Med J 4:548, 1 Dec 73

CLOMIPHENE/ FEMALE/ *FERTILITY AGENTS/ GREAT BRITAIN/ HUMAN/
PREGNANCY/ PREGNANCY, MULTIPLE/
*TELEVISION

3706. Staigmiller RB, First NL: The effect of a 'single-feed flush' on ovulation rate in gilts.

J Reprod Fertil 35:573-5, Dec 73

ANIMAL EXPERIMENTS/ BODY WEIGHT/
CORPUS LUTEUM, anatomy & histology/
ESTRUS/ *FEEDING BEHAVIOR/ FEMALE/
GRAAFIAN FOLLICLE, anatomy & histology/
*OVULATION/ *SWINE, physiology

3707. Stäjer G, Kottke K, Pohloudek-Fahini R: Synthese von 2,6-Dimercapto-3-arylchinazolonen-4 und einigen Derivaten. Pharmazie 28:433-7, Jul 73 (Ger)

ANTHRANILIC ACID/ CHEMISTRY/
OXIDATION-REDUCTION/ *QUINAZOLINES, chem synthesis/ SPECTROPHOTOMETRY,
INFRARED/ SULFHYDRYL COMPOUNDS/
THIOCYANATES

3708. Stanbury J: A comparison of the clinical features in endemic cretinism.

Acta Endocrinol [Suppl] (Khh) 66-8, 1973

COMPARATIVE STUDY/ *CRETINISM, diagnosis/ DEAF-MUTISM/ DIAGNOSIS, DIFFERENTIAL/ GOITER/ HUMAN/
HYPOTHYROIDISM/ IDIOCY/ MYXEDEMA, diagnosis/ *NEUROLOGIC MANIFESTATIONS/
SPASM/ STRABISMUS

3709. Stanbury JB: Factors which may alter the epidemiology of endemic goiter.

Acta Endocrinol [Suppl] (Khh) 9-10, 1973

ARGENTINA/ DEFICIENCY DISEASES, complications/ *GOITER, ENDEMIC, etiology/
GOITER, ENDEMIC, familial & genetic/
GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HUMAN/
*IODINE/ IODIZED OILS, therapeutic use/
NEW YORK CITY/ NUTRITION DISORDERS, complications

3710. Stankusheva T: Kum vuprosa za patogenezata na zat'lstivaneto pri sindroma na Itsenko-Kushing.

Vutr Boles 12:55-60, 1973 (Bul)

*CUSHING'S SYNDROME, complications/
ENGLISH ABSTRACT/ MALE/ *OBESITY, etiology

3711. Stark H, Gelger R: Renal tubular dysfunction following vascular accidents of the kidneys in the newborn period. J Pediatr 83:933-40, Dec 73

ACIDOSIS, RENAL TUBULAR/ BIOPSY/
CHILD, PRESCHOOL/ FEMALE/
GLOMERULAR FILTRATION RATE/ HUMAN/
INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, complications/
*KIDNEY, blood supply/ KIDNEY DISEASES, blood/ *KIDNEY DISEASES, etiology/
KIDNEY DISEASES, physiopathology/ KIDNEY DISEASES, urine/ KIDNEY FUNCTION TESTS/ KIDNEY TUBULES, pathology/
*KIDNEY TUBULES, physiopathology/ MALE/
RENAL VEINS/ RICKETS, blood/ RICKETS, etiology/ RICKETS, urine/ THROMBOSIS, complications

3712. Stárka L, Hampř R, Jirásek JE: Testosteron a jeho vazba na hřtkoviny plazmy u lidských plodů, novorozenců a jejich matek.

Cesk Pediatr 28:546-7, Oct 73 (Cze)

*BLOOD PROTEINS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ FETUS/ HUMAN/
*INFANT, NEWBORN/ MALE/
MATERNAL-FETAL EXCHANGE/
PREGNANCY/ *PROTEIN BINDING/
*TESTOSTERONE, blood/ UMBILICAL CORD

3713. Starke K, Montel H: Involvement of alpha-receptors in clonidine-induced inhibition of transmitter release from central monoamine neurones.

Neuropharmacology 12:1073-80, Nov 73

ANALYSIS OF VARIANCE/ ANIMAL EXPERIMENTS/ BRAIN, metabolism/
CEREBRAL CORTEX, metabolism/
*CLONIDINE, pharmacodynamics/ COCAINE, pharmacodynamics/ DRUG INTERACTIONS/
ELECTRIC STIMULATION/ IN VITRO/
MALE/ NEURAL TRANSMISSION, drug effects/ *NEURONS, metabolism/
NOREPINEPHRINE, metabolism/
PHENOXYBENZAMINE, pharmacodynamics/
PHENTOLAMINE, pharmacodynamics/ RATS/
*RECEPTORS, ADRENERGIC, drug effects/
SEROTONIN, metabolism/ TRITIUM

3714. Starostin LN, Kertsman VI: Pepticheskie lazvy i pankreatity pri pervichnom giperparatioreoze (obzor literatury).

Khirurgiya (Mosk) 49:128-33, Aug 73 (102 ref.) (Rus)

ADULT/ AGED/ CALCIUM, blood/
DUODENUM, physiopathology/ FEMALE/
GASTRIC JUICE, secretion/ HUMAN/
HYPERCALCEMIA, etiology/
HYPERPARATHYROIDISM, blood/
*HYPERPARATHYROIDISM, complications/
HYPERPARATHYROIDISM, physiopathology/
MALE/ MIDDLE AGE/ PANCREAS, physiopathology/ PANCREATITIS, blood/
*PANCREATITIS, etiology/ PARATHYROID HORMONE, pharmacodynamics/ *PEPTIC ULCER, etiology/ PHOSPHORUS, blood/

AUTHOR SECTION

- REVIEW/ STOMACH, drug effects/
STOMACH, physiopathology
3715. Staubitz WJ, Early KS, Magoss IV, et al: Proceedings: Surgical treatment of non-seminomatous germinal testes tumors. *Cancer* 32:1208-11, Nov 73
EVALUATION STUDIES/ FOLLOW-UP
STUDIES/ HUMAN/ LUNG NEOPLASMS,
surgery/ LYMPH NODE EXCISION/
LYMPHATIC METASTASIS/ MALE/
NEOPLASM METASTASIS/ POSTOPERATIVE
COMPLICATIONS/ *TESTICULAR
NEOPLASMS, surgery/ TESTIS, surgery
3716. Staubitz WJ, Early KS, Magoss IV, et al: Surgical management of testis tumor.
Trans Am Assoc Genitourin Surg 65:113-20, 1973
ADULT/ CASTRATION/
CYCLOPHOSPHAMIDE, therapeutic use/
DACTINOMYCIN, therapeutic use/
DISGERMINOMA, surgery/ DRUG
COMBINATIONS/ EJACULATION/
FOLLOW-UP STUDIES/ HUMAN/ *LYMPH
NODE EXCISION/ MALE/ METHODS/
METHOTREXATE, therapeutic use/
NEOPLASM METASTASIS/ POSTOPERATIVE
COMPLICATIONS/ TESTICULAR NEOPLASMS,
drug therapy/ TESTICULAR NEOPLASMS,
radiotherapy/ *TESTICULAR NEOPLASMS,
surgery/ TESTIS, surgery/ THORACIC
NEOPLASMS
3717. Staunton MD, Greening WP: Clinical diagnosis of thyroid cancer. *Br Med J* 4:532-5, 1 Dec 73
ADENOCARCINOMA, diagnosis/
ADOLESCENCE/ ADULT/ AGED/
AUTOANTIBODIES/ BIOPSY/ CARCINOMA,
diagnosis/ CARCINOMA, PAPILLARY,
diagnosis/ CHILD/ FEMALE/
FIBROSARCOMA, diagnosis/ GOITER, etiology/
HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/
LARYNGOSCOPY/ LYMPH NODES/
LYMPHOSARCOMA, diagnosis/ MALE/
MIDDLE AGE/ NEOPLASM METASTASIS/
RADIOISOTOPE SCANNING/ SEX FACTORS/
TECHNETIUM/ *THYROID NEOPLASMS,
diagnosis/ THYROID NEOPLASMS,
radiography/ TRACHEA, radiography
3718. Stavitskiĭ RV, Dermendzhiev KhT, Dolmat ES:
Radiatsionno-gigienicheskaya otsenka
rentgenologicheskikh issledovaniĭ.
Gig Sanit 38:47-51, Jun 73 (Rus)
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH
ABSTRACT/ FEMALE/ GONADS, radiation
effects/ HUMAN/ MALE/ *RADIATION
DOSAGE/ RADIATION INJURIES, prevention
& control/ RADIATION PROTECTION/
*RADIOGRAPHY, adverse effects
3719. Stavitskiĭ RV, Dermendzhiev KhT: Gigienicheskaya
kharakteristika geneticheskikh znachimykh doz za schet
rentgenologicheskikh issledovaniĭ.
Gig Sanit 38:48-50, Aug 73 (Rus)
ADOLESCENCE/ ADULT/ BULGARIA/
CHILD/ CHILD, PRESCHOOL/ ENGLISH
ABSTRACT/ FEMALE/ GONADS, radiation
effects/ HUMAN/ INFANT/ INFANT,
NEWBORN/ MALE/ MATHEMATICS/
*RADIATION DOSAGE/ RADIATION
EFFECTS/ *RADIATION GENETICS/
RADIATION INJURIES/ RADIATION
PROTECTION/ RADIOGRAPHY, adverse
effects
3720. Steele SJ, Mason B, Brett A: Amenorrhoea after
discontinuing combined oestrogen-progestogen oral
contraceptives. *Br Med J* 4:343-5, 10 Nov 73
ADULT/ AFFECTIVE DISTURBANCES,
complications/ *AMENORRHEA, chemically
Induced/ AMENORRHEA, etiology/
CLOMIPHENE, therapeutic use/
*CONTRACEPTIVES, ORAL, adverse effects/
DIABETES MELLITUS, complications/
ESTROGENS, adverse effects/ FEMALE/
HUMAN/ MENOTROPINS, therapeutic use/
MENSTRUATION/ OVARIAN DISEASES,
complications/ PITUITARY NEOPLASMS,
complications/ PROGESTATIONAL
HORMONES, adverse effects/ PROSPECTIVE
- STUDIES/ STERILITY, FEMALE, drug
therapy/ TIME FACTORS
3721. Stefan H: Endoskopické a kontrastní vyšetřování
intersexu v dětském věku.
Cesk Pediatr 28:652-5, Dec 73 (Cze)
ADOLESCENCE/ AGE FACTORS/ CHILD/
CHILD, PRESCHOOL/ ENDOSCOPY/ FEMALE/
*HERMAPHRODITISM, diagnosis/
HERMAPHRODITISM, radiography/ HUMAN/
INFANT/ MALE/
PSEUDOHERMAPHRODITISM, diagnosis/
PSEUDOHERMAPHRODITISM, radiography
3722. Stefkín EG, Dvorkín LB, Shpak GE, et al: Izmeneniia u
tsypilat pri glipovitaminozakh B1.
Veterinarlia 8:107-8, Aug 73 (Rus)
ANIMAL EXPERIMENTS/ CHICKENS/
*POULTRY DISEASES, metabolism/ VITAMIN
B DEFICIENCY, metabolism/ *VITAMIN B
DEFICIENCY, veterinary/ VITAMIN D
DEFICIENCY, metabolism/ *VITAMIN D
DEFICIENCY, veterinary
3723. Stegman SJ: Letter: Pustular dermatosis on withdrawal
of topically applied steroids.
Arch Dermatol 109:100, Jan 74
ADULT/ *DRUG WITHDRAWAL SYMPTOMS/
*GLUCOCORTICOIDS, TOPICAL, adverse
effects/ GLUCOCORTICOIDS, TOPICAL,
therapeutic use/ HUMAN/ MALE/ ROSACEA,
etiology/ SEBORRHEA, drug therapy/ *SKIN
DISEASES, etiology/ SUPPURATION
3724. Stein E: Kritische Betrachtung zur Anwendung von
Corticosteroid-Kombinationen-Externa (CKE) bei
Hautkrankheiten.
Z Allgemeinmed 49:1227-33, 20 Sep 73 (Ger)
ADRENAL CORTEX HORMONES, adverse
effects/ *ADRENAL CORTEX HORMONES,
therapeutic use/ DERMATITIS, CONTACT,
chemically induced/ DRUG COMBINATIONS/
HUMAN/ OINTMENTS/ *SKIN DISEASES,
drug therapy/ STEROIDS, FLUORINATED,
adverse effects
3725. Stein H: Der Einfluss von Dynexan und Corti-Dynexan
auf die entzündlich veränderte Gingiva.
Dtsch Zahnärztl Z 28:1105-9, Nov 73 (Ger)
COMPARATIVE STUDY/ ENGLISH
ABSTRACT/ *GINGIVITIS, drug therapy/
HUMAN/ PERIODONTAL DISEASES, drug
therapy/ PLACEBOS/ PLANT EXTRACTS/
*PREDNISOLONE, therapeutic use/
*TETRACAIN, therapeutic use/ TIME
FACTORS/ *TYROTHRIN, therapeutic use
3726. Steiner H: Das autonome "toxische" Adenom im
Kropfendarmgebiet.
Acta Endocrinol [Suppl] (Kbh) 82-3, 1973 (Ger)
*ADENOMA, occurrence/ ADENOMA, surgery/
ADENOMA, therapy/ AUSTRIA/ HUMAN/
IODINE RADIOISOTOPES/ PALPATION/
POSTOPERATIVE COMPLICATIONS/
*THYROID NEOPLASMS, occurrence/
THYROID NEOPLASMS, surgery/ THYROID
NEOPLASMS, therapy
3727. Steinetz BG, Matthews JR, Butler MC, et al: Inhibition
by thyrocalcitonin of estrogen-induced bone
resorption in the mouse pubic symphysis.
Am J Pathol 73:735-48, Dec 73
ACID PHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ *BONE RESORPTION, drug
effects/ *CALCITONIN, pharmacodynamics/
ESTRADIOL, antagonists & inhibitors/
*ESTRADIOL, pharmacodynamics/ FEMALE/
*HYPOPHYSECTOMY/ MICE/
OSTEOCLASTS, drug effects/ OVARY,
physiology/ PARATHYROID GLANDS,
physiology/ PUBIC SYMPHYSIS, enzymology/
*PUBIC SYMPHYSIS, metabolism/ PUBIC
SYMPHYSIS, pathology/ THYROID GLAND,
physiology
3728. Steinetz BG, Sherwood OD, Birkhimer ML, et al:
Prolonged elevation of plasma cortisol levels in dogs
treated with an 18 amino acid synthetic
corticotrophin. *Experientia* 29:1367-8, 15 Nov 73
AMINO ACIDS/ ANIMAL EXPERIMENTS/

AUTHOR SECTION

CHEMISTRY/ *CORTICOTROPIN,
pharmacodynamics/ DOGS/ FEMALE/
*HYDROCORTISONE, blood/ TIME FACTORS

3729. Stenbaek O: Propranolol og reninaktivitet. Nye synspunkter på virkningsmekanismen for betablokkeres effekt ved arteriell hypertensjon. Tidsskr Nor Lægeforen 93:1784-5, 10 Sep 73 (Nor)
BLOOD PRESSURE, drug effects/
DEPRESSION, CHEMICAL/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/
PROPRANOLOL, pharmacodynamics/
*PROPRANOLOL, therapeutic use/ *RENIN, blood

3730. Stepanova MP: O narushenii serdechnogo ritma u bol'nykh s vegetativno-sosudistymi gipotalamicheskimi rasstroistvami. Ter Arkh 45:56-60, Sep 73 (Rus)
ADOLESCENCE/ ADULT/ *ARRHYTHMIA, etiology/ *AUTONOMIC NERVOUS SYSTEM/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ *HYPOTHALAMUS/ MALE/ MIDDLE AGE/ *NERVOUS SYSTEM DISEASES, complications/ *VASCULAR DISEASES, complications

3731. Stepanova SI: Rol' sotsial'nykh sinkhronizatoriv v adaptatsii k neobychnomu autochnomu rasporiadku. Kosm Biol Med 7:65-72, Jan-Feb 73 (Rus)
ADULT/ BODY TEMPERATURE/ *CIRCADIAN RHYTHM/ DIURESIS/ ENGLISH ABSTRACT/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ NATRIURESIS/ POTASSIUM, urine/ PULSE/ RESPIRATION/ *SLEEP/ *SPACE FLIGHT/ *WAKEFULNESS

3732. Stephensen N: Combined surgical and medical treatment in patients with severe ischemia of the lower limb. Scand J Clin Lab Invest 31:Suppl 128:219-, 1973
AMPUTATION/ *BLOOD PRESSURE, drug effects/ ENDARTERECTOMY/ FLUDROCORTISONE, pharmacodynamics/ *FLUDROCORTISONE, therapeutic use/ FOOT, blood supply/ GANGRENE, drug therapy/ GANGRENE, surgery/ *GANGRENE, therapy/ HUMAN/ ISCHEMIA, drug therapy/ ISCHEMIA, surgery/ *ISCHEMIA, therapy/ *LEG, blood supply/ LEG, surgery/ MALE/ MIDDLE AGE/ REGIONAL BLOOD FLOW/ STIMULATION, CHEMICAL/ SYMPATHECTOMY

3733. Sterioff S, Orringer MB, Cameron JL: Colon perforations associated with steroid therapy. Surgery 75:56-8, Jan 74
ACUTE DISEASE/ COLONIC DISEASES, diagnosis/ *COLONIC DISEASES, etiology/ COLONIC DISEASES, mortality/ COLONIC DISEASES, surgery/ COLOSTOMY/ DRAINAGE/ FEMALE/ HUMAN/ INTESTINAL PERFORATION, diagnosis/ *INTESTINAL PERFORATION, etiology/ INTESTINAL PERFORATION, mortality/ INTESTINAL PERFORATION, surgery/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ PROGNOSIS

3734. Stern JJ, Jankowiak R: No effect of neonatal estrogenic stimulation or hypophysectomy on spontaneous activity in female rats. J Comp Physiol Psychol 85:409-12, Nov 73
AGING/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN, physiology/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPOPHYSECTOMY/ *MOTOR ACTIVITY, drug effects/ PITUITARY GLAND, physiology/ RATS/ SEX BEHAVIOR, ANIMAL, drug effects

3735. Stern JJ, Zwick G: Effects of intraventricular norepinephrine and estradiol benzoate on weight regulatory behavior in female rats. Behav Biol 9:605-12, Nov 73
ANIMAL EXPERIMENTS/ *BODY WEIGHT, drug effects/ BRAIN CHEMISTRY, drug effects/ CASTRATION/ *CEREBRAL

VENTRICLES, drug effects/ DARKNESS/ DRUG SYNERGISM/ *EATING, drug effects/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ IMIPRAMINE, pharmacodynamics/ LIGHT/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, administration & dosage/ *NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RATS/ SEX FACTORS

3736. Stern MH, Turner JE, Coburn TP: Oral involvement in neuroblastoma. J Am Dent Assoc 88:346-51, Feb 74
ADRENAL GLAND NEOPLASMS, complications/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ JAW NEOPLASMS, etiology/ *JAW NEOPLASMS, radiography/ MALE/ NEOPLASM METASTASIS/ *NEUROBLASTOMA, complications/ *ORAL MANIFESTATIONS/ RETROSPECTIVE STUDIES

3737. Stern WZ, Wilson L: Radiologic aspects of an abortion program. Am J Roentgenol Radium Ther Nucl Med 119:841-51, Dec 73

*ABORTION, INDUCED, adverse effects/ ADHESIONS, etiology/ AMNIOCENTESIS, adverse effects/ AMNION, radiography/ CERVIX DISEASES, etiology/ CERVIX DISEASES, radiography/ CERVIX INCOMPETENCE, etiology/ CERVIX INCOMPETENCE, radiography/ CURETTAGE, adverse effects/ DILATATION, adverse effects/ FEMALE/ GESTATIONAL AGE/ HUMAN/ HYDATIDIFORM MOLE, radiography/ *HYSTEROSALPINGOGRAPHY/ INJECTIONS, adverse effects/ METHODS/ PREGNANCY/ SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, therapeutic use/ UTERINE DISEASES, etiology/ UTERINE DISEASES, radiography

3738. Sternadel Z, Lysikiewicz A, Jezierska K: Cięża bliźniacza u pacjentki z chorobą Graves-Basedowa. Ginekol Pol 44:1205-9, Oct 73 (Pol)
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, EXOPHTHALMIC/ HUMAN/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ *PREGNANCY, MULTIPLE/ TWINS

3739. Sterner R, Noyes C, Henrikson RL: Alignment and partial structural analysis of the cyanogen bromide fragments from yeast inorganic pyrophosphatase. Biochemistry 13:91-9, 1 Jan 74
ALKYLATION/ AMINO ACID SEQUENCE/ *AMINO ACIDS, analysis/ AUTOANALYSIS/ CARBOXYPEPTIDASES/ CHEMISTRY/ CYANOGEN BROMIDE/ ELECTROPHORESIS, PAPER/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FORMIC ACIDS/ GEL FILTRATION/ METHIONINE/ MOLECULAR WEIGHT/ OXIDATION-REDUCTION/ *PEPTIDES, analysis/ PEPTIDES, isolation & purification/ *PYROPHOSPHATASES, analysis/ *SACCHAROMYCES CEREVISIAE, enzymology/ SODIUM DODECYL SULFATE/ SUCCINATES/ THIOCYANATES

3740. Stetson MH, Lewis RA, Farner DS: Some effects of exogenous gonadotropins and prolactin on photostimulated and photorefractory white-crowned sparrows. Gen Comp Endocrinol 21:424-30, Dec 73
ANIMAL EXPERIMENTS/ *BIRDS/ FEEDBACK/ FEMALE/ FSH, pharmacodynamics/ GONADOTROPINS, PITUITARY, analysis/ *GONADOTROPINS, PITUITARY, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, pharmacodynamics/ *OVARY, drug effects/ OVARY, growth & development/ *OVIDUCTS, drug effects/ OVIDUCTS, growth & development/ PHOTIC STIMULATION/ *PROLACTIN, pharmacodynamics/ STIMULATION, CHEMICAL

3741. Steven DH: Placental separation in the ewe. J Physiol (Lond) 233:10P-12P, Aug 73

AUTHOR SECTION

- ANIMAL EXPERIMENTS/ CELL SEPARATION/ EPITHELIAL CELLS, physiology/ FEMALE/ HORSES/ *LABOR/ *PLACENTA, physiology/ PREGNANCY/ *SHEEP, physiology
3742. Stevens JT: The effect of parathion on the metabolism of 3H-testosterone by hepatic microsomal enzymes from the male mouse. *Pharmacology* 10:220-5, 1973
ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ HYDROXYSTERIODS, metabolism/ IN VITRO/ MALE/ MICE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ *PARATHION, pharmacodynamics/ STANOLONE, metabolism/ STEROID HYDROXYLASES, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM
3743. Stiens R, Helpap B, Müller R: Zur Morphologie und Ätiologie des Budd-Chiari-Syndroms. *Munch Med Wochenschr* 115:1732-8, 5 Oct 73 (Ger)
ADULT/ AGE FACTORS/ BIOPSY/ BLOOD COAGULATION DISORDERS, complications/ CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ ESOPHAGEAL VARICES, complications/ FEMALE/ *HEPATIC VEIN THROMBOSIS, etiology/ HEPATIC VEIN THROMBOSIS, occurrence/ HEPATIC VEIN THROMBOSIS, pathology/ HEPATIC VEIN THROMBOSIS, surgery/ HEPATIC VEINS, pathology/ HUMAN/ MALE/ MIDDLE AGE/ SEX FACTORS/ SPLEEN, pathology/ SYNDROME
3744. Stjärne L: Uncompetitive character of inhibition by prostaglandin E2 of the enhancing effect of alpha-adrenoceptor blocking drug on noradrenaline secretion in isolated guinea-pig vas deferens. *Acta Physiol Scand* 89:278-82, Oct 73
ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ GUINEA PIGS/ *NOREPINEPHRINE, secretion/ *PHENTOLAMINE, antagonists & inhibitors/ *PROSTAGLANDINS, pharmacodynamics/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ TRITIUM/ VAS DEFERENS, drug effects
3745. Stobo JD: Phytohemagglutinin and concanavalin A: probes for murine 'T' cell activation and differentiation. *Transplant Rev* 11:60-86, 1972 (95 ref.)
ANIMAL EXPERIMENTS/ ANTIGENIC DETERMINANTS/ BONE MARROW, immunology/ CELL DIFFERENTIATION, drug effects/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, immunology/ CHROMIUM RADIOISOTOPES/ *CONCANAVALIN A, pharmacodynamics/ CORTISONE, pharmacodynamics/ DNA, biosynthesis/ *IMMUNITY, CELLULAR, drug effects/ IODINE RADIOISOTOPES/ LYMPH NODES, immunology/ *LYMPHOCYTE TRANSFORMATION, drug effects/ MICE/ *PLANT AGGLUTININS, pharmacodynamics/ REVIEW/ SPLEEN, immunology/ STIMULATION, CHEMICAL/ THYMECTOMY/ TIME FACTORS/ TRITIUM
3746. Stoeckel ME, Doerr-Schott J, Porte A, et al: Immunohistochemical demonstration of corticotrophic cells concentrated in the rostral zone of the pars intermedia of the mouse hypophysis. *Experientia* 29:1289-90, 15 Oct 73
ANIMAL EXPERIMENTS/ CORTICOTROPIN, analysis/ *CORTICOTROPIN, biosynthesis/ FLUORESCENT ANTIBODY TECHNIC/ HISTOCYTOCHEMISTRY/ IMMUNOASSAY/ MICE/ MICROSCOPY, ELECTRON/ MSH/ PITUITARY GLAND, analysis/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ RABBITS, immunology
3747. Stoeckel ME, Porte A, Hindelang-Gertner C, et al: A light and electron microscopic study of the pre- and postnatal development and secretory differentiation of the pars tuberalis of the rat hypophysis. *Z Zellforsch Mikrosk Anat* 142:347-65, 17 Sep 73
ANIMAL EXPERIMENTS/ GLYCOGEN, analysis/ MICROSCOPY/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, blood supply/ *PITUITARY GLAND, embryology/ PITUITARY GLAND, growth & development/ RATS/ TIME FACTORS
3748. Stoffel R, Bresse HJ: Basenkatalysierte Ringschlussreaktionen an 3-substituierten 1-Hydroxy-1-(2-äthoxycarbonyl-phenyl)-(thio)harnstoffen. *Arch Pharm (Weinheim)* 306:579-86, Aug 73 (Ger)
BENZOXAZOLES, chem synthesis/ CHEMISTRY/ CYCLIZATION/ ENGLISH ABSTRACT/ *THIOUREA
3749. Stoll W, Lietz H: Zur Kenntnis und Problematik des hellzelligen Adenomes in der Schilddrüse. *Virchows Arch [Patol Anat]* 361:163-73, 12 Nov 73 (Ger)
*ADENOMA, pathology/ ADULT/ AGED/ AUTOPSY/ ENGLISH ABSTRACT/ FEMALE/ GOLGI APPARATUS/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MICROTOMY/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, pathology
3750. Stoller RJ: The Samuel Novey Lecture. Does sexual perversion exist? *Johns Hopkins Med J* 134:43-57, Jan 74
FANTASY/ HUMAN/ LIBIDO/ PARENT-CHILD RELATIONS/ PSYCHOANALYTIC THEORY/ PSYCHOSEXUAL DEVELOPMENT/ SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOMES/ *SEX DEVIATION
3751. Stone PR, Whish WJ, Shall S: Poly (ADP-ribose) glycohydrolase in mouse fibroblast cells (LS cells). *FEBS Lett* 36:334-8, 1 Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE/ ALKALINE PHOSPHATASE/ AMMONIUM SULFATE, pharmacodynamics/ CELL FRACTIONATION/ CELL NUCLEUS, drug effects/ CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ ESCHERICHIA COLI, enzymology/ *GLYCOSIDE HYDROLASES/ GLYCOSIDE HYDROLASES, analysis/ GLYCOSIDE HYDROLASES, antagonists & inhibitors/ L CELLS, cytology/ L CELLS, drug effects/ *L CELLS, enzymology/ MICE/ PHOSPHATASES/ POLYNUCLEOTIDES/ RIBOSE/ SNAKES/ TRITIUM/ VENOMS
3752. Stone RA, Tisher CC, Hawkins HK, et al: Juxtaglomerular hyperplasia and hyperreninemia in progressive systemic sclerosis complicated acute renal failure. *Am J Med* 58:119-23, Jan 74
ADULT/ AUTOPSY/ BIOPSY/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPLASIA, blood/ HYPERPLASIA, complications/ *JUXTAGLOMERULAR APPARATUS, pathology/ KIDNEY, pathology/ KIDNEY FAILURE, ACUTE, blood/ KIDNEY FAILURE, ACUTE, complications/ *KIDNEY FAILURE, ACUTE, pathology/ *RENIN, blood/ SCLERODERMA, SYSTEMIC, blood/ SCLERODERMA, SYSTEMIC, complications/ *SCLERODERMA, SYSTEMIC, pathology/ STAINS AND STAINING/ UREMIA, complications
3753. Stone SS, Tessler J: Fluorescent labeling of antibody for identifying mycoplasma colonies by incident ultraviolet light. *Am J Vet Res* 35:107-10, Jan 74
ANIMAL EXPERIMENTS/ *ANTIBODIES, BACTERIAL/ ANTIBODIES, BACTERIAL, isolation & purification/ FLUORESCENCE, diagnostic use/ *FLUORESCENT ANTIBODY TECHNIC/ FREUND'S ADJUVANT, administration & dosage/ GOATS/ IMMUNOELECTROPHORESIS/ INJECTIONS/ INJECTIONS, INTRAMUSCULAR/ METHODS/ MICROSCOPY, FLUORESCENCE/ MYCOPLASMA, growth & development/ *MYCOPLASMA, immunology/ RABBITS,

AUTHOR SECTION

- immunology/ SERUM GLOBULINS/ STAINS
AND STAINING/ THIOCYANATES/
ULTRAVIOLET RAYS
3754. Stookey GK: Influence of thiamine on fluoride retention in the rat. *J Dent Res* 53:139, Jan-Feb 74
ANIMAL EXPERIMENTS/ *BONE AND BONES, metabolism/ *BONE DEVELOPMENT, drug effects/ *FLUORIDES, metabolism/ RATS/ *THIAMINE, pharmacodynamics
3755. Storry JE, Hall AJ, Johnson VW: The effects of increasing amounts of dietary tallow on milk-fat secretion in the cow. *J Dairy Res* 40:293-9, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ CHROMATOGRAPHY, GAS/ *DIETARY FATS, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FATTY ACIDS, metabolism/ FATTY ACIDS, VOLATILE, metabolism/ FEMALE/ *LACTATION, drug effects/ *LIPIDS, metabolism/ LIPIDS, secretion/ *MILK, metabolism/ MILK, secretion/ OLEIC ACID, metabolism/ PALMITIC ACID, metabolism/ PREGNANCY/ RUMEN, metabolism/ STEARIC ACID, metabolism/ UDDER, drug effects/ UDDER, metabolism
3756. Stovin V, Macdonald I: Some effects of diet with oral contraceptives on carbohydrate:lipid metabolism in the baboon. *Proc Nutr Soc* 32:34A-35A, May 73
ANIMAL EXPERIMENTS/ BABOONS/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DIET/ *DIETARY CARBOHYDRATES, metabolism/ FEMALE/ *LIPIDS, metabolism/ MONKEYS/ TRIGLYCERIDES, blood
3757. Straube W, Göretzlehner G, Hofmann R, et al: Zum Auftreten schwangerschaftstypischer Proteine unter der Anwendung hormonaler Kontrazeptiva. *Zentralbl Gynaekol* 95:1281-6, 7 Sep 73 (Ger)
ADULT/ BLOOD PROTEIN ELECTROPHORESIS/ *BLOOD PROTEINS, analysis/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEMALE/ GEL DIFFUSION TESTS/ *GLYCOPROTEINS, blood/ HUMAN/ IMMUNE SERUMS, analysis/ MALE/ MIDDLE AGE/ PLACENTA, immunology/ PREGNANCY/ PROGESTATIONAL HORMONES, pharmacodynamics/ RABBITS, immunology
3758. Straube W, Suchodoletz W von, Hofmann R, et al: Zur Hemmung der Lymphozytentransformation in vitro durch Proteinfractionen aus Schwangerenserum und Plazentaextrakt. *Zentralbl Gynaekol* 95:1462-5, 12 Oct 73 (Ger)
ALPHA GLOBULIN, pharmacodynamics/ *BLOOD PROTEINS, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ GEL FILTRATION/ GLYCOPROTEINS, pharmacodynamics/ HEMAGGLUTINATION TESTS/ HUMAN/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS, pharmacodynamics/ IMMUNOSUPPRESSION/ IN VITRO/ *LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ *PLACENTAL EXTRACTS, pharmacodynamics/ PLANT AGGLUTININS, antagonists & inhibitors/ PREGNANCY
3759. Streckfuss JL, Smith WN, Ennever J: Characteristics of an induced variant of *Bacterionema matruchotii*. *J Dent Res* 52:1317-22, Nov-Dec 73
*ACTINOMYCETES, growth & development/ ACTINOMYCETES, isolation & purification/ ACTINOMYCETES, metabolism/ CALCIFICATION, PHYSIOLOGIC/ CARBOHYDRATES/ FERMENTATION/ HUMAN/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *MOUTH, microbiology/ *ULTRASONICS
3760. Stříbrný J, Hájek Z, Papež L, et al: Vliv Lysenyliu na laktaci v šestineděli. *Česk Gynecol* 38:688-9, Nov 73 (Cze)
*ERGOLINES, pharmacodynamics/ FEMALE/ HUMAN/ *LACTATION, drug effects/
- PREGNANCY/ *PUERPERIUM/ UREA, pharmacodynamics
3761. Strickland JE, Fowler AK, Kind PP, et al: Group specific antigen and RNA-directed DNA polymerase activity in normal baboon placenta. *Proc Soc Exp Biol Med* 144:256-8, 1 Oct 73
ANIMAL EXPERIMENTS/ *ANTIGENS, VIRAL, analysis/ BABOONS/ C-TYPE VIRUSES, enzymology/ C-TYPE VIRUSES, immunology/ *C-TYPE VIRUSES, isolation & purification/ COMPLEMENT FIXATION TESTS/ FEMALE/ GOATS, immunology/ MONKEYS/ PLACENTA, enzymology/ PLACENTA, immunology/ *PLACENTA, microbiology/ PREGNANCY/ RATS, immunology/ *REVERSE TRANSCRIPTASE, analysis/ SPECIES SPECIFICITY
3762. Strik WO, Pusch H, Liebscher W: Zur internen Therapie des metastasierenden Mammakarzinoms. *Med Welt* 24:1261-5, 24 Aug 73 (Ger)
ADULT/ ANTINEOPLASTIC AGENTS, administration & dosage/ *BREAST NEOPLASMS, therapy/ CASTRATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ METHODS/ MIDDLE AGE/ *NEOPLASM METASTASIS, therapy/ SEX HORMONES, administration & dosage
3763. Strong EW: Proceedings: Management of cancer of the thyroid: a summary. *Proc Natl Cancer Conf* 7:179-85, 1973 (33 ref.)
ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ *ADENOCARCINOMA, therapy/ CARCINOMA, radiotherapy/ CARCINOMA, surgery/ *CARCINOMA, therapy/ CARCINOMA, PAPILLARY, radiotherapy/ CARCINOMA, PAPILLARY, surgery/ *CARCINOMA, PAPILLARY, therapy/ HUMAN/ IODINE RADIOISOTOPES, therapeutic use/ REVIEW/ THYROID NEOPLASMS, classification/ THYROID NEOPLASMS, radiotherapy/ *THYROID NEOPLASMS, therapy/ THYROIDECTOMY
3764. Stroobandt R, Fagard R, Amery AK: Are patients with essential hypertension and low renin protected against stroke and heart attack? *Am Heart J* 86:781-7, Dec 73
ADULT/ AGED/ BELGIUM/ BODY WEIGHT/ *CARDIOVASCULAR DISEASES, blood/ *CARDIOVASCULAR DISEASES, etiology/ *CARDIOVASCULAR DISEASES, prevention & control/ CHOLESTEROL, blood/ CREATININE, blood/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCT, blood/ MYOCARDIAL INFARCT, etiology/ MYOCARDIAL INFARCT, prevention & control/ *RENIN, blood/ RETROSPECTIVE STUDIES/ SMOKING, complications
3765. Stroud BA, Borman ER, Nilson MA, et al: Ovarian adenocarcinoma in a bitch. *Mod Vet Pract* 54:32 passim, Dec 73
ADENOCARCINOMA, pathology/ *ADENOCARCINOMA, veterinary/ ANIMAL EXPERIMENTS/ DOG DISEASES, pathology/ DOGS/ FEMALE/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, veterinary
3766. Stubblefield PG, Naftolin F, Frigoletto FD, et al: Pretreatment with laminaria tents before mid-trimester abortion with intra-amniotic prostaglandin F2ALPHA. *Am J Obstet Gynecol* 118:284-5, 15 Jan 74
*ABORTION, INDUCED/ AMNIOCENTESIS/ *AMNIOTIC FLUID/ BOSTON/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ METHODS/ *PLANTS/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ *PROSTAGLANDINS, therapeutic use/ SODIUM CHLORIDE, therapeutic use/ TIME FACTORS
3767. Stuchlíková E, Faltová E, Deyl Z, et al: Změny lipomobilizace u kastrovaných krys v různých věkových obdobích.

AUTHOR SECTION

- Sb Lek 75:326-40, Nov 73 (Cze)
AGE FACTORS/ ANIMAL EXPERIMENTS/
BODY WEIGHT/ *CASTRATION/ ENGLISH
ABSTRACT/ FEMALE/ *LIPID
MOBILIZATION/ OVARY, surgery/ RATS
3768. Stucki D: Le placenta á l'heure actuelle.
Z Krankenpf 66:352-6, Oct 73 (Fre)
MATERNAL-FETAL EXCHANGE/ PLACENTA,
physiology/ PLACENTA DISORDERS,
diagnosis/ PLACENTAL HORMONES/
RADIOISOTOPE SCANNING/ SPECIAL LIST
NURSING/ ULTRASONICS, diagnostic use
3769. Stummvoll HK, Egert H, Böhmig HJ, et al:
Cyclophosphamidtherapie bei
Nierentransplantationen.
Wien Z Inn Med 54:145-9, 1973 (Ger)
ADULT/ AMINOTRANSFERASES, blood/
ANTILYMPHOCYTE SERUM, therapeutic use/
AZATHIOPRINE, adverse effects/
AZATHIOPRINE, therapeutic use/
*CYCLOPHOSPHAMIDE, therapeutic use/
DRUG THERAPY, COMBINATION/ ENGLISH
ABSTRACT/ FEMALE/ GRAFT REJECTION/
HEPATITIS, enzymology/ HEPATITIS, TOXIC,
etiology/ HUMAN/ *IMMUNOSUPPRESSION/
*KIDNEY, transplantation/ MALE/
METHYLPREDNISOLONE, therapeutic use/
TRANSPLANTATION, HOMOLOGOUS
3770. Stünzi H: Das anaplastische Lungenkarzinom des
Hundes.
Vet Pathol 10:102-13, 1973 (Ger)
ADENOCARCINOMA, pathology/ ANIMAL
EXPERIMENTS/ CARCINOMA, pathology/
*CARCINOMA, veterinary/ CARCINOMA,
EPIDERMAL, pathology/ CARCINOMA, OAT
CELL, pathology/ *DOG DISEASES, pathology/
DOGS/ ENGLISH ABSTRACT/ FEMALE/
LUNG NEOPLASMS, pathology/ *LUNG
NEOPLASMS, veterinary/ MALE
3771. Subramanyam OV: Neuroendocrine control of calcium
levels in the blood of *Ariophanta semirugata* a
terrestrial pulmonate snail.
Endocrinol Exp (Bratisl) 7:315-7, 1973
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CENTRAL NERVOUS SYSTEM,
physiology/ *ENDOCRINE GLANDS,
physiology/ *GANGLIA, physiology/ INDIA/
*NEUROSECRETORY SYSTEMS, physiology/
OXYGEN CONSUMPTION/ *SNAILS,
metabolism
3772. Suda T, Horiuchi N, Sasaki S, et al: Direct control by
calcium of 25-hydroxycholecalciferol-1-hydroxylase
activity in chick kidney mitochondria.
Biochem Biophys Res Commun 54:512-8, 18 Sep 73
ANIMAL EXPERIMENTS/ BARIUM,
pharmacodynamics/ CADMIUM,
pharmacodynamics/ *CALCIUM,
pharmacodynamics/ CHICKENS/
CHROMATOGRAPHY, ION EXCHANGE/
COMPARATIVE STUDY/
DIHYDROXYCHOLECALCIFEROLS, analysis/
ENZYME ACTIVATION/
HYDROXYCHOLECALCIFEROL/
HYDROXYCHOLECALCIFEROL, analysis/
HYDROXYLATION/ KIDNEY, analysis/
KIDNEY, cytology/ KIDNEY, drug effects/
*KIDNEY, enzymology/ MALE/ MANGANESE,
pharmacodynamics/ *MITOCHONDRIA,
enzymology/ RICKETS/ *STEROID
HYDROXYLASES, metabolism/ STRONTIUM,
pharmacodynamics/ TIME FACTORS/ TRITIUM
3773. Sugar J: Adrenochrome pigmentation of bydropbille
lenses. Arch Ophthalmol 91:11-2, Jan 74
*ADRENOCHROME/ AGED/ *CONTACT
LENSES, HYDROPHILIC/ CORNEA,
transplantation/ *EPINEPHRINE, adverse
effects/ EPINEPHRINE, therapeutic use/
FEMALE/ GLAUCOMA, drug therapy/
HUMAN/ MALE/ OPHTHALMIC SOLUTIONS/
OXIDATION-REDUCTION/ POLYMERS/
TRANSPLANTATION, HOMOLOGOUS
3774. Sugawa T: [Sex hormones]
Cllr. Endocrinol (Tokyo) 21:805-12, Aug 73 (8 ref.)
- ANDROGENS, physiology/ ANIMAL
EXPERIMENTS/ ENZYMES, metabolism/
ESTROGENS, physiology/ PROGESTERONE,
physiology/ RATS/ REVIEW/ *SEX
HORMONES, physiology (Jap)
3775. Sugawara N, Nagano C, Terui K, et al: [Effect of
cadmium ingestion on calcium and phosphorus
concentrations in the bone and serum of pregnant rats
(author's transl)]
Jap J Hyg 28:270-5, Jun 73 (Jap)
ANIMAL EXPERIMENTS/ *BONE AND
BONES, analysis/ *CADMIUM,
pharmacodynamics/ *CALCIUM, analysis/
CALCIUM, blood/ ENGLISH ABSTRACT/
FEMALE/ *PHOSPHORUS, analysis/
PHOSPHORUS, blood/ PREGNANCY/
*PREGNANCY, ANIMAL/ RATS/
SPECTROPHOTOMETRY
3776. Sulimovici S, Lunenfeld B: The effect of gonadotropins
on the mitochondrial adenylate cyclase of rat testis.
Biochem Biophys Res Commun 55:673-9, 10 Dec 73
ACETIC ACIDS, pharmacodynamics/ *ADENYL
CYCLASE, metabolism/ AGING/ ANIMAL
EXPERIMENTS/ CALCIUM, pharmacodynamics/
EXPLANTING AGENTS, pharmacodynamics/
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ENZYME ACTIVATION/ FLUORIDES,
pharmacodynamics/ *FSH, pharmacodynamics/
GLYCOLS, pharmacodynamics/
*GONADOTROPINS, CHORIONIC,
pharmacodynamics/ HUMAN/ *LH,
pharmacodynamics/ MALE/ MITOCHONDRIA,
drug effects/ *MITOCHONDRIA, enzymology/
RATS/ SOLUBILITY/ TESTIS, cytology/
TESTIS, drug effects/ *TESTIS, enzymology/
TESTIS, growth & development/ TRITIUM
3777. Summers JL, Ford ML, Wilkerson JE: A square bladder.
Urology 2:681-2, Dec 73
*ADENOCARCINOMA, complications/
ADENOCARCINOMA, drug therapy/ AGED/
*BLADDER, radiography/ CYSTOSCOPY/
DILATATION/ ESTROGENS, therapeutic use/
HUMAN/ MALE/ NEOPLASM METASTASIS/
*PROSTATIC NEOPLASMS, complications/
PROSTATIC NEOPLASMS, drug therapy/
TESTIS, surgery/ URETHRAL STRICTURE,
etiology/ URETHRAL STRICTURE, therapy/
URINATION DISORDERS, etiology
3778. Sunahara FA, Talesnik J: Prostaglandin inhibition of
metabolically induced coronary vasodilation.
J Pharmacol Exp Ther 188:135-47, Jan 74
ACETYLCHOLINE, pharmacodynamics/
ANIMAL EXPERIMENTS/ BLOOD PRESSURE,
drug effects/ CATS/ *CORONARY
CIRCULATION, drug effects/ DMPP,
pharmacodynamics/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ EPINEPHRINE,
pharmacodynamics/ FEEDBACK/ FEMALE/
GLYCERYL TRINITRATE, pharmacodynamics/
HEART RATE, drug effects/
ISOPROTERENOL, pharmacodynamics/ MALE/
NOREPINEPHRINE, pharmacodynamics/
OXYGEN, blood/ PERFUSION/ PRACTOOL,
pharmacodynamics/ *PROSTAGLANDINS,
antagonists & inhibitors/ REGRESSION
ANALYSIS/ TRANSDUCERS
3779. Sung CP, Jenkins BC, Burns LR, et al: Adenyl and
guanyl cyclase in rabbit gastric mucosa.
Am J Physiol 225:1359-63, Dec 73
ADENOSINE TRIPHOSPHATE, analysis/
*ADENYL CYCLASE, metabolism/ ANIMAL
EXPERIMENTS/ ANTIHISTAMINICS,
pharmacodynamics/ CHROMATOGRAPHY,
THIN LAYER/ FLUORIDES,
pharmacodynamics/ *GASTRIC MUCOSA,
enzymology/ *GASTRIC MUCOSA, secretion/
*GUANYL CYCLASE, metabolism/
HISTAMINE, pharmacodynamics/
HYDROGEN-ION CONCENTRATION/
IMIDAZOLES, pharmacodynamics/ IN VITRO/
MANGANESE, pharmacodynamics/
PENTAGASTRIN, pharmacodynamics/
RABBITS/ THIOUREA, pharmacodynamics/
TIME FACTORS

AUTHOR SECTION

3780. Sung KH: [Differential diagnosis of unilateral exophthalmos by ultrasonography]
Chin Med J 11:848-52, Nov 73 (Chi)
DIAGNOSIS, DIFFERENTIAL/ ENGLISH
ABSTRACT/ *EXOPHTHALMOS, diagnosis/
HUMAN/ *ULTRASONICS, diagnostic use
3781. Surve AH, Harrington FE, Elton RL: Effect of chorionic gonadotropin on corpus luteum of the monkey.
Proc Soc Exp Biol Med 144:963-8, Dec 73
ANIMAL EXPERIMENTS/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, secretion/ ESTROGENS, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MACACA/ MENSTRUATION, drug effects/ MONKEYS/ PROGESTATIONAL HORMONES, blood/ PROTEIN BINDING/ RADIOIMMUNOASSAY
3782. Sutcliffe AJ: Similarity of bones and antlers gnawed by deer to human artefacts. Nature 246:428-30, 14 Dec 73
ANIMAL EXPERIMENTS/ *ANTHROPOLOGY, PHYSICAL/ *BONE AND BONES, anatomy & histology/ DEER/ HUMAN/ *PALEONTOLOGY
3783. Sutcliffe HS, Martin TJ, Elsmann JA, et al: Binding of parathyroid hormone to bovine kidney-cortex plasma membranes. Biochem J 134:913-21, Aug 73
ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ BINDING SITES/ CALCIUM, pharmacodynamics/ CATTLE/ CELL MEMBRANE, metabolism/ CHLORAMINES, metabolism/ EDTA, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ IODINE RADIOISOTOPES/ *KIDNEY CORTEX, metabolism/ METHIONINE, metabolism/ *PARATHYROID HORMONE, metabolism/ RADIOISOTOPES/ SELENIUM
3784. Sutcliffe P: A longitudinal study of gingivitis and puberty. J Periodont Res 7:52-8, 1972
ADOLESCENCE/ CHILD/ FEMALE/ *GINGIVITIS, occurrence/ HUMAN/ MALE/ ORAL HYGIENE/ *PUBERTY
3785. Suvatte V, Tuchinda S: L-asparaginase treatment in acute leukemia of childhood.
J Med Assoc Thai 58:634-44, Nov 73
ASPARAGINASE, adverse effects/ *ASPARAGINASE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ INFANT/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ MALE/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use
3786. Suvorov NF, Suvorov VV: Uchastie kholinoreaktivnoi sistemy golovnogo mozga v uslovnorefleksornoj delatel'nosti.
Zb Vyssh Nerv Delat 23:403-15, Mar-Apr 73 (Rus)
ACETYLCHOLINE, pharmacodynamics/ *ACETYLCHOLINE, physiology/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ *BRAIN, metabolism/ CARBACHOL, pharmacodynamics/ CATS/ CAUDATE NUCLEUS, drug effects/ *CONDITIONING, CLASSICAL, drug effects/ DOGS/ EXTINCTION (PSYCHOLOGY), drug effects/ GLOBUS PALLIDUS, drug effects/ HYPOTHALAMUS, drug effects/ LIMBIC SYSTEM, drug effects/ MEMORY, drug effects/ MONKEYS/ NEURAL INHIBITION, drug effects/ PARASYMPATHOMIMETICS, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ REACTION TIME, drug effects/ REINFORCEMENT (PSYCHOLOGY)/ RETICULAR FORMATION, drug effects/ SYMPATHOMIMETICS, pharmacodynamics/ THALAMIC NUCLEI, drug effects
3787. Suvorov PM, Beleda RV: Analiz nekotorykh mekhanizmov ustoychivosti obeloveka k dekompressii nizhnego poloviny tela.
Kosm Biol Med 6:58-9, Nov-Dec 72 (Rus)
*ADAPTATION, PHYSIOLOGICAL/ ADULT/ ARTERIES/ *ATMOSPHERIC PRESSURE/ CATECHOLAMINES, urine/ DOPA, urine/ ENGLISH ABSTRACT/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ MALE/ VASCULAR RESISTANCE
3788. Suzuki F: [Mechanism of insulin action]
Cln Endocrinol (Tokyo) 21:693-9, Jul 73 (20 ref.) (Jap)
ANIMAL EXPERIMENTS/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY/ ENZYME INDUCTION/ *INSULIN, physiology/ LIVER, metabolism/ MODELS, BIOLOGICAL/ RECEPTORS, HORMONE/ REVIEW
3789. Suzuki F, Glover TD: Proceedings: The effect of castration on the epididymal epithelium of the golden hamster, Mesocricetus auratus.
J Reprod Fertil 35:584-5, Dec 73
ANIMAL EXPERIMENTS/ CASTRATION/ *EPIDIDYMIS, cytology/ EPITHELIAL CELLS, cytology/ HAMSTERS/ MALE/ MICROSCOPY, ELECTRON/ *TESTIS, physiology
3790. Suzuki F, Inoue H, Takeda Y: Relation between growth hormone and thioamide derivatives in induction of ornithine decarboxylase in rat liver.
J Biochem (Tokyo) 74:661-6, Oct 73
ANIMAL EXPERIMENTS/ *CARBOXY-LYASES, biosynthesis/ ENZYME INDUCTION/ *ETHIONAMIDE, metabolism/ IODINE RADIOISOTOPES/ *LIVER, enzymology/ MALE/ ORNITHINE/ PENTOBARBITAL, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ THIOACETAMIDE, pharmacodynamics/ THIOUREA, pharmacodynamics
3791. Suzuki H, Takeuchi K, Mashimo K: [Iodide-perchlorate discharge test: a new method for the diagnosis of disorders of iodine organification of the thyroid]
Jap J Clin Med 31:2588-94, 10 Aug 73 (Jap)
HUMAN/ *IODINE, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ IODINE RADIOISOTOPES/ METHODS/ PERCHLORIC ACIDS/ *THYROID DISEASES, diagnosis/ *THYROID GLAND, metabolism
3792. Suzuki S, Kondo Y: Thyroidal morphogenesis and biosynthesis of thyroglobulin before and after metamorphosis in the lamprey, Lampetra reissneri.
Gen Comp Endocrinol 21:451-60, Dec 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, PAPER/ *CYCLOSTOMES, physiology/ IODINE RADIOISOTOPES/ LARVA/ *METAMORPHOSIS, BIOLOGICAL/ MORPHOGENESIS/ PROTEIN-BOUND IODINE TEST/ THYROGLOBULIN, analysis/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, anatomy & histology/ *THYROID GLAND, growth & development/ THYROID GLAND, metabolism/ THYROID GLAND, physiology/ THYROID GLAND FUNCTION TESTS/ ULTRACENTRIFUGATION
3793. Svobodová A: Tělesná a duševní výpěstlost pubescentů jako předpoklad systematické výchovy k rodičovství na školách.
Česk Zdrav 21:483-9, Nov 73 (Cze)
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MENTAL HEALTH/ PARENT-CHILD RELATIONS/ PSYCHOSEXUAL DEVELOPMENT/ PUBERTY/ *SEX EDUCATION
3794. Swales JD, Thurston H: Generation of angiotensin II at peripheral vascular level: studies using angiotensin II antisera. Cln Sci Mol Med 45:691-700, Nov 73
*ANGIOTENSIN II, biosynthesis/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ *BLOOD VESSELS, metabolism/ CONSTRICTION/ DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, metabolism

AUTHOR SECTION

- *IMMUNE SERUMS, pharmacodynamics/
KIDNEY, physiology/ MALE/ NEPHRECTOMY/
RABBITS, immunology/ RATS/ RECEPTORS,
DRUG/ RENAL ARTERY/ RENIN,
metabolism/ RENIN, pharmacodynamics/
SODIUM CHLORIDE/ SWINE
3795. Swallow DM, Povey S, Harris H: Activity of the "red cell" acid phosphatase locus in other tissues. *Ann Hum Genet* 37:31-8, Jul 73
ACID PHOSPHATASE, analysis/ ACID PHOSPHATASE, biosynthesis/ *ACID PHOSPHATASE, metabolism/ BRAIN, enzymology/ CHROMATOGRAPHY/ COUMARINS/ ELECTROPHORESIS/ *ERYTHROCYTES, enzymology/ GEL FILTRATION/ HUMAN/ KIDNEY, enzymology/ LIVER, enzymology/ ORGANOPHOSPHORUS COMPOUNDS/ PLACENTA, enzymology/ POLYMORPHISM (GENETICS)/ SPLEEN, enzymology/ TISSUE EXTRACTS
3796. Swaminathan R, Bates RF, Bloom SR, et al: The relationship between food, gastro-intestinal hormones and calcitonin secretion. *J Endocrinol* 59:217-30, Nov 73
ANIMAL EXPERIMENTS/ *CALCITONIN, secretion/ CALCIUM, blood/ CATHETERIZATION/ FASTING/ FATS/ FEMALE/ *FOOD/ GASTRIN, blood/ *GASTROINTESTINAL HORMONES, physiology/ GLUCOSE, metabolism/ GLYCINE, secretion/ HOMEOSTASIS/ INTUBATION, GASTROINTESTINAL/ MALE/ PANCREOZYMIN, metabolism/ RADIOIMMUNOASSAY/ STOMACH, drug effects/ SWINE/ THYROIDECTOMY
3797. Swaminathan R, Care AD: Proceedings: The effect of calcitonin on intestinal calcium absorption in the pig. *J Endocrinol* 59:xx-xxi, Nov 73
ANIMAL EXPERIMENTS/ *CALCITONIN, pharmacodynamics/ *CALCIUM, metabolism/ *INTESTINAL ABSORPTION, drug effects/ JEJUNUM, metabolism/ PARATHYROID GLANDS, surgery/ SWINE
3798. Swartout R, Compere EL: Ischiogluteal bursitis. The pain in the arse. *JAMA* 227:551-2, 4 Feb 74
ACUTE DISEASE/ BLOOD CELL COUNT/ *BURSITIS/ BURSITIS, diagnosis/ BURSITIS, drug therapy/ *BUTTOCKS/ BUTTOCKS, innervation/ CORTISONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMORAL NERVE/ HUMAN/ INDOMETHACIN, therapeutic use/ INTERVERTEBRAL DISK DISPLACEMENT, diagnosis/ *ISCHIUM/ ISCHIUM, innervation/ MUSCLES, innervation/ PAIN/ PHENYLBUTAZONE, therapeutic use/ POSTURE/ SCIATIC NERVE/ SPINAL CORD NEOPLASMS, diagnosis/ THROMBOPHLEBITIS, diagnosis
3799. Sweat FW, Winck TJ: The stimulation of hepatic adenylate cyclase by prostaglandin E1. *Biochem Biophys Res Commun* 55:522-9, 16 Nov 73
*ADENYL CYCLASE, metabolism/ ALUMINUM/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY/ CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ DOGS/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ KINETICS/ LIVER, drug effects/ *LIVER, enzymology/ MICE/ PHOSPHORUS RADIOISOTOPES/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ SPECIES SPECIFICITY
3800. Sweet RA, Schrott HG, Kurland R, et al: Study of the incidence of hypospadias in Rochester, Minnesota, 1940-1970, and a case-control comparison of possible etiologic factors. *Mayo Clin Proc* 49:52-8, Jan 74
ADULT/ COMPARATIVE STUDY/ HUMAN/ HYPOSPADIAS, etiology/ HYPOSPADIAS, familial & genetic/ *HYPOSPADIAS, occurrence/ INFANT, NEWBORN/ INFORMATION RETRIEVAL SYSTEMS/ MALE/ MINNESOTA/ PENIS, abnormalities/ POPULATION SURVEILLANCE/ PREGNANCY/ SCROTUM, abnormalities/ TESTIS, abnormalities
3801. Swierczek J: Wpływ tyroksyny na rozdział tkankowy lipidów u szczura. *Folia Med Cracov* 15:251-8, 1973 (Pol)
ADIPOSE TISSUE, metabolism/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ *LIPIDS, metabolism/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ PHOSPHOLIPIDS, blood/ RATS/ *THYROXINE, pharmacodynamics/ TRIGLYCERIDES, blood
3802. Swift PJ, Flack JD: Proceedings: The post-coital antifertility action of 2-isopropylamino-ethanol in the rat. *J Reprod Fertil* 35:825-6, Dec 73
ANIMAL EXPERIMENTS/ *CONTRACEPTIVES, POSTCOITAL/ *ETHANOLAMINES, pharmacodynamics/ FEMALE/ *FETAL DEATH, chemically induced/ OVUM, drug effects/ PLACENTA, drug effects/ PREGNANCY/ PROGESTERONE, administration & dosage/ PROPYLAMINES, pharmacodynamics/ RATS/ UTERUS, drug effects/ VAGINA, drug effects
3803. Switkiewicz T, Knopik A, Sienkiewicz F, et al: Przypadek ciąży jajowodowo-jajnikowej. *Ginekol Pol* 44:1199-203, Oct 73 (Pol)
ADULT/ AMNIOCOPY/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/ HUMAN/ *OVARY/ PREGNANCY/ *PREGNANCY, ECTOPIC, diagnosis/ *PREGNANCY, TUBAL, diagnosis
3804. Sy W: Metastases to bone and hypercalcemia. *N Engl J Med* 289:864, 18 Oct 73
BONE NEOPLASMS, complications/ *BONE NEOPLASMS, diagnosis/ BONE NEOPLASMS, radiography/ HUMAN/ *HYPERCALCEMIA, etiology/ NEOPLASM METASTASIS/ RADIOISOTOPE SCANNING
3805. Symmers WS: Amphotericin pharmacophobia. *Br Med J* 4:480-3, 24 Nov 73
ADRENAL GLAND HYPOFUNCTION, etiology/ ADULT/ *AMPHOTERICIN B, adverse effects/ ATTITUDE OF HEALTH PERSONNEL/ BLASTOMYOSIS, drug therapy/ CRYPTOCOCCOSIS, complications/ CRYPTOCOCCOSIS, drug therapy/ DECEREBRATE STATE, etiology/ FEMALE/ HISTOPLASMOSIS, complications/ HISTOPLASMOSIS, drug therapy/ HODGKIN'S DISEASE, complications/ HUMAN/ KIDNEY DISEASES, chemically induced/ KIDNEY DISEASES, complications/ LUNG DISEASES, FUNGAL, complications/ MALE/ *MEDICATION ERRORS/ MENINGITIS, etiology/ MENINGOENCEPHALITIS, complications/ *MYCOSES, drug therapy/ PHOBIAS/ PRESCRIPTIONS/ SARCOIDOSIS, complications/ SPINAL DISEASES, etiology
3806. Symonds EM, Andersen GJ, Pickles B: Inappropriate renin secretion in pregnancy. *Am J Obstet Gynecol* 118:6-13, 1 Jan 74
*ABRUPTIO PLACENTAE, blood/ AMNIOCENTESIS/ ANGIOTENSIN, blood/ ANGIOTENSIN, secretion/ ANTIBODY FORMATION/ COMPARATIVE STUDY/ *ERYTHROBLASTOSIS, FETAL, blood/ *ERYTHROBLASTOSIS, FETAL, physiotherapy/ FEMALE/ GENITALIA, FEMALE, physiotherapy/ GENITALIA, FEMALE, secretion/ HEMORRHAGE, blood/ HUMAN/ ISOANTIBODIES/ *KIDNEY, physiotherapy/ LABOR/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PUERPERIUM/ RENIN, blood/ *RENIN, secretion/ *RH FACTORS/ TIME FACTORS/ UMBILICAL CORD
3807. Symons AM, Cunningham NF, Saba N: Oestrogen-induced LH surges in the anoestrous and cyclic ewe. *J Reprod Fertil* 35:569-71, Dec 73
ANIMAL EXPERIMENTS/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ *ESTRUS/

AUTHOR SECTION

- FEMALE/ LH, blood/ *LH, secretion/
RADIOIMMUNOASSAY/ SECRETORY RATE,
drug effects/ SHEEP
3808. Syrkin AL, Ivanitskaya IN, Utkin VL, et al: K luchenilu kardiodinamiki u bol'nykh s serdechno-sosudistoi patologiei vo vrevle fizicheskoi nagruzki. (Rus)
Kardiologiya 13:101-6, Jan 73
ADULT/ AGED/ AUTONOMIC NERVOUS SYSTEM/ *CORONARY DISEASE, physiopathology/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ *EXERTION/ FEMALE/ HEART, physiopathology/ *HEART VALVE DISEASES, physiopathology/ HUMAN/ *HYPERTENSION, physiopathology/ HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ NERVOUS SYSTEM DISEASES, physiopathology/ PHONOCARDIOGRAPHY/ TELEMETRY
3809. Szabó I, Milner PM: Intracranial self-stimulation in the rat: cable properties of the depolarized membrane. Acta Physiol Acad Sci Hung 43:65-70, 1973
ANIMAL EXPERIMENTS/ CONDITIONING, CLASSICAL/ ELECTROPHYSIOLOGY/ *HYPOTHALAMUS, physiology/ NEURAL CONDUCTION/ RATS/ *SELF STIMULATION
3810. Szabo S, Kourounakis P, Selye H, et al: Pharmacodynamic Interactions among glucocorticoids and glucomineralocorticoids, pregnenolone-16alpha-carbonitrile and various drugs. J Pharmacol Exp Ther 188:45-54, Jan 74
ACETANILIDE, pharmacodynamics/ ALLOPURINOL, pharmacodynamics/ ANILINE COMPOUNDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ARSENICALS, pharmacodynamics/ BARBITURATES, pharmacodynamics/ CARISOPRODOL, pharmacodynamics/ CORTICOSTERONE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ FLUDROCORTISONE, pharmacodynamics/ *GLUCOCORTICOID, pharmacodynamics/ GOLD THIOALATE/ MEPHENESIN, pharmacodynamics/ *MINERALOCORTICOID, pharmacodynamics/ MORPHINANS, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ PANCURONIUM, pharmacodynamics/ PICROTOXIN, pharmacodynamics/ *PREGNENOLONE CARBONITRILE, pharmacodynamics/ RATS/ STRYCHNINE, pharmacodynamics/ TRIAMCINOLONE, pharmacodynamics/ ZOAZOLAMINE, pharmacodynamics
3811. Szafarczyk A, Moretti JM, Boissin J, et al: Effect of time of administration of an inflammatory agent on plasma corticosterone and haptoglobin levels in the rat. Endocrinology 91:284-7, Jan 74
ANIMAL EXPERIMENTS/ CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ FEMALE/ *HAPTOGLOBINS, metabolism/ KINETICS/ RATS/ TIME FACTORS/ *TURPENTINE, pharmacodynamics
3812. Szafran H: Kurs: Równowaga kwasowo-zasadowa ustroju człowieka. Aspekty teoretyczne i kliniczno-diagnostyczne. X. Kwasice i zasadowice nieoddechowe. Przegl Lek 30:747-50, 1973 (Pol)
*ACID-BASE EQUILIBRIUM/ *ACIDOSIS, etiology/ *ALKALOSIS, etiology/ BONE AND BONES, metabolism/ GASTROINTESTINAL SYSTEM, metabolism/ HUMAN/ KIDNEY, metabolism/ PHOSPHATES, metabolism
3813. Szafran H, Kanska B, Popiela T, et al: Wydzielanie soku żołądkowego u dzieci z krzywicą. Przegl Lek 30:797-802, 1973 (Pol)
ACID-BASE EQUILIBRIUM/ ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERCALCEMIA, metabolism/ HYPOCALCEMIA, metabolism/ MALE/ RICKETS, metabolism/ *RICKETS, physiopathology
3814. Szajner-Milart I: Serotonina w ostrych kłębkowych zapaleniach nerek u dzieci i w doświadczalnym zapaleniu nerek typu Masugi u królików. Pol Tyg Lek 28:1430-2, 10 Sep 73 (Pol)
ACUTE DISEASE/ AGE FACTORS/ ANIMAL EXPERIMENTS/ ANTIGEN-ANTIBODY COMPLEX/ CHILD/ COMPLEMENT/ GLOMERULONEPHRITIS, blood/ *GLOMERULONEPHRITIS, immunology/ HUMAN/ KIDNEY, blood supply/ KIDNEY GLOMERULUS, secretion/ NEPHRITIS, blood/ *NEPHRITIS, immunology/ RABBITS/ *SEROTONIN, blood
3815. Szajnerman Z, Kasprzak K, Strzyżewski W, et al: Wydalanie 17-ketosteroidów u chorych z endogennymi zespołami depresyjnymi. Psychiatr Pol 7:525-9, Sep-Oct 73 (Pol)
ADULT/ *DEPRESSION, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *17-KETOSTEROIDS, urine/ MALE/ MIDDLE AGE/ SYNDROME
3816. Szalay GC: Letter: Congenital adrenal hypoplasia. J Pediatr 83:169-70, Jul 73
*ADRENAL GLANDS, abnormalities/ BIRTH WEIGHT/ *DISEASES IN TWINS/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE, DISEASES
3817. Szczepanik E: Erfahrungen mit der diagnostischen Laparoskopie in der Gynäkologie. Fortschr Med 91:1354-5, 6 Dec 73 (Ger)
ADULT/ AMENORRHEA, diagnosis/ FEMALE/ *GYNECOLOGIC DISEASES, diagnosis/ HUMAN/ *LAPAROSCOPY/ OVARIAN NEOPLASMS, diagnosis/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis/ SALPINGITIS, diagnosis/ STERILITY, FEMALE, diagnosis/ STERILIZATION, TUBAL
3818. Szczepanska-Sadowska E: Plasma ADH increase and thirst suppression elicited by preoptic heating in the dog. Am J Physiol 228:155-61, Jan 74
ANIMAL EXPERIMENTS/ BODY TEMPERATURE REGULATION/ DEHYDRATION/ DIURESIS/ DOGS/ DRINKING/ *HEAT/ *HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ MALE/ *PITUITARY GLAND, secretion/ SODIUM CHLORIDE, pharmacodynamics/ *THIRST/ *VASOPRESSIN, secretion
3819. Szczepski O, Bittner K, Maciejewski J, et al: Wpływ parathormonu na wydalanie Na⁺ i K⁺ z moczem u dzieci z niedoczynnością tarczycy. Endokrynol Pol 24:273-8, Jul-Aug 73 (Pol)
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM, urine/ *PARATHYROID HORMONE, pharmacodynamics/ *POTASSIUM, urine/ *SODIUM, urine
3820. Szolc A, Swicowa K: Metabolizm witaminy D i jej rola w świetle osiągnięć doświadczalnych. Pediatr Pol 48:1275-9, 1973 (19 ref.) (Pol)
BIOLOGICAL TRANSPORT/ BONE AND BONES, physiology/ CALCIUM, metabolism/ CHOLECALCIFEROL, metabolism/ HUMAN/ HYDROXYCHOLECALCIFEROL, metabolism/ INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ INTESTINE, SMALL, physiology/ LIVER, metabolism/ PHOSPHATES, metabolism/ REVIEW/ *VITAMIN D, metabolism/ VITAMIN D, physiology
3821. Szybalski Z, Popiela T, Sieradzki J, et al: Badania nad insulinemią u chorych po przebytym ostrym zapaleniu trzustki. Przegl Lek 30:802-8, 1973 (Pol)
ACUTE DISEASE/ ADMINISTRATION, ORAL/ ADULT/ CORTISONE, administration & dosage/ CORTISONE, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ INSULIN, secretion/ MALE/ MIDDLE AGE/ *PANCREATITIS, complications

AUTHOR SECTION

3822. Szybiński Z, Sieradzki J: Ocena osi przysadkowo-tarczycowej na podstawie testu hamowania trójjodotyroniną. Pol Arch Med Wewn 50:1189-96, Nov 73 (Pol) ACROMEGALY, physiopathology/ ADULT/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, physiopathology/ HUMAN/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ *PITUITARY GLAND FUNCTION TESTS/ SHEEHAN'S SYNDROME, physiopathology/ *THYROID GLAND, physiopathology/ *THYROID GLAND FUNCTION TESTS/ *TRIIODOTHYRONINE, diagnostic use
3823. Szymański W, Rozmiłowski K, Figurski A, et al: Wydalanie gonadotropiny kosmówkowej w poronieniu zagrażającym. II. Cięża utrzymana. Ginekol Pol 44:1133-6, Oct 73 (Pol) ABORTION, HABITUAL, urine/ *ABORTION, THREATENED, urine/ ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ *PREGNANCY/ TIME FACTORS
- T**
3824. Tahaddor K: Unusual complications of lophendylate injection myelography. Report of a case and review. Arch Neurol 29:435-6, Dec 73 ADULT/ *DRUG HYPERSENSITIVITY/ DRUG HYPERSENSITIVITY, drug therapy/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *IODIZED OILS, adverse effects/ *MYELOGRAPHY, adverse effects/ *OPTIC NERVE, drug effects/ OPTIC NERVE, radiography/ PERIPHERAL NERVE DISEASES, chemically induced/ PERIPHERAL NERVE DISEASES, drug therapy/ PERIPHERAL NERVE DISEASES, radiography/ PREDNISONE, therapeutic use/ SCOTOMA, etiology/ SKULL, radiography/ SPINAL PUNCTURE/ *VISION DISORDERS, chemically induced/ VISUAL ACUITY/ WHIPLASH INJURIES, radiography
3825. Tabel T, Heinrichs WL: Enzymatic oxidation and reduction of C19-delta5-beta-hydroxysteroids by hepatic microsomes. 3. Critical period for the neonatal differentiation of certain mixed-function oxidases. Endocrinology 91:97-103, Jan 74 AGE FACTORS/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CASTRATION/ DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ HYDROXYLATION/ *HYDROXYSTERIODS, metabolism/ KETOSTEROIDS, metabolism/ MALE/ MICROSOMES, LIVER, enzymology/ *MICROSOMES, LIVER, metabolism/ OXIDATION-REDUCTION/ OXIDOREDUCTASES, metabolism/ RATS
3826. Tabuchi K, Tanigawa M, Baba Y, et al: Primary intracranial choriocarcinoma in the pineal region, a case report and review of the literatures. Acta Med Okayama 27:125-32, Aug 73 ADOLESCENCE/ AUTOPSY/ *BRAIN NEOPLASMS/ BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, radiography/ *CHORIOCARCINOMA/ CHORIOCARCINOMA, pathology/ CHORIOCARCINOMA, radiography/ HUMAN/ MALE/ *PINEAL BODY
3827. Taeusch HW Jr, Wang NS, Baden N, et al: A controlled trial of hydrocortisone therapy in infants with respiratory distress syndrome: II. Pathology. Pediatrics 52:850-4, Dec 73 ATELECTASIS, pathology/ AUTOPSY/ BLOOD PROTEINS, analysis/ CEREBRAL HEMORRHAGE, pathology/ CEREBRAL VENTRICLES, pathology/ CLINICAL RESEARCH/ FEMALE/ HEMORRHAGE, pathology/ HUMAN/ HYALINE MEMBRANE DISEASE, pathology/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, blood/ *HYDROCORTISONE, therapeutic use/ INFANT, NEWBORN/ LIVER, metabolism/ LIVER GLYCOGEN, metabolism/ LUNG, anatomy & histology/ LUNG, pathology/ MALE/ ORGAN WEIGHT/ OXYGEN, blood/ *PLACEBOS/ *RESPIRATORY DISTRESS SYNDROME, drug therapy/ RESPIRATORY DISTRESS SYNDROME, pathology/ THYMUS GLAND, anatomy & histology
3828. Taipale V: Murrosikäisten masennustiloista ja psykoottisista oireista. Duodecim 89:734-41, 1973 (45 ref.) (Fin) ADOLESCENCE/ ADOLESCENT PSYCHIATRY/ CHILD/ *DEPRESSION, therapy/ HUMAN/ NEUROSES, therapy/ PHYSICIAN-PATIENT RELATIONS/ *PSYCHOSES, therapy/ *PUBERTY/ REVIEW
3829. Taipale V: Murrosikäisten ongelmat ja ympäristö. Duodecim 89:713-5, 1973 (Fin) ADOLESCENCE/ ADOLESCENT PSYCHIATRY/ *ADOLESCENT PSYCHOLOGY/ HUMAN/ INTERPERSONAL RELATIONS/ PUBERTY/ *SOCIAL CONFORMITY/ *SOCIAL ENVIRONMENT/ SOCIAL PROBLEMS
3830. Tait AD: The conversion of 23,24-dihydro-5-cholen-3beta-ol to cortisol by the canine adrenal. Steroids 22:609-13, Nov 73 *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, THIN LAYER/ CRYSTALLIZATION/ DOGS/ *HYDROCORTISONE, biosynthesis/ HYDROXYSTERIODS, metabolism/ *PREGNENES, metabolism/ TRITIUM
3831. Takahara J, Asaoka K, Ofuji T: Effect of synthetic corticotropins on human growth hormone secretion. Endocrinol Jap 20:411-5, Aug 73 ADULT/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ ENDOCRINE DISEASES, physiopathology/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PITUITARY GLAND, secretion/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL
3832. Takahashi A, Saito K, Kondo Y, et al: Familial oxalosis. Report of three cases and review of the literature. Acta Pathol Jap 23:559-75, Aug 73 ADOLESCENCE/ AUTOPSY/ CALCIUM, metabolism/ CEREBRAL ARTERIES, metabolism/ CHILD/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ KIDNEY, metabolism/ KIDNEY, pathology/ MALE/ *METABOLISM, INBORN ERRORS, familial & genetic/ METABOLISM, INBORN ERRORS, pathology/ MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ NEPHROCALCINOSIS, pathology/ *OXALATES, metabolism/ PEDIGREE/ URETER, metabolism
3833. Takahashi H: [Effects of neuroleptanalgesia on thyroid function in thyrotoxicosis] Jap J Anesthesiol 22:770-7, Aug 73 (Jap) ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ *NEUROLEPTANALGESIA, adverse effects/ *THYROID GLAND, physiopathology/ THYROID GLAND FUNCTION TESTS/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism
3834. Takahashi K, Tsushima T, Irie M: Effect of catecholamines on plasma growth hormone in dogs. Endocrinol Jap 20:323-30, Jun 73 ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ CATECHOLAMINES, administration & dosage/ *CATECHOLAMINES, pharmacodynamics/ DOGS/ DOPA, pharmacodynamics/ DOPAMINE, pharmacodynamics/ DOPAMINE BETA HYDROXYLASE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PICOLINIC ACIDS, pharmacodynamics/ *SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ TIME FACTORS
3835. Takahashi M, Homma K, Suzuki Y: Resumption of

AUTHOR SECTION

- cyclicly in light induced persistent estrus by treatment with serotonin or its precursor. *Endocrinol Jap* 20:271-8, Jun 73
ANESTHESIA/ ANIMAL EXPERIMENTS/
*ESTRUS, drug effects/ EYE/ FEMALE/
HYDROXYTRYPTOPHAN, administration & dosage/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ IN VITRO/ INJECTIONS/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVULATION, drug effects/ PERIODICITY/ PHOTIC STIMULATION/ PINEAL BODY, physiology/ RATS/ SEROTONIN, administration & dosage/ *SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ UTERUS, anatomy & histology
3836. Takai Y, Yamamura H, Nishizuka Y: Adenosine 3':5'-monophosphate-dependent protein kinase from yeast. *J Biol Chem* 249:530-5, 25 Jan 74
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ AMMONIUM SULFATE/ ANIMAL EXPERIMENTS/ CATALYSIS/ CATIONS, DIVALENT/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FUNGAL PROTEINS, metabolism/ HISTONES, metabolism/ HUMAN/ ISOELECTRIC FOCUSING/ KINETICS/ LIVER, enzymology/ PEPTIDE FRAGMENTS, analysis/ PHOSPHATES, metabolism/ PHOSPHORUS RADIOISOTOPES/ PROTAMINES, metabolism/ PROTEIN BINDING/ *PROTEIN KINASE, isolation & purification/ RATS/ *SACCHAROMYCES CEREVISIAE, enzymology/ STREPTOMYCIN/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRITIUM/ TRYPSIN
3837. Takaku I, Tsuda N: [Ophthalmological observations in pituitary ablation for diabetic retinopathy. I. Reports of six cases (author's transl)] *Acta Soc Ophthalmol Jap* 77:1400-10, Sep 73 (Jap)
ADULT/ *DIABETIC RETINOPATHY, therapy/ ENGLISH ABSTRACT/ FEMALE/ FUNDUS OCULI/ HUMAN/ MALE/ MIDDLE AGE/ PHOTOGRAPHY/ *PITUITARY GLAND, surgery
3838. Takamori M, Ishii N, Mori M: The role of cyclic 3',5'-adenosine monophosphate in neuromuscular transmission. *Arch Neurol* 29:420-4, Dec 73
ACETYLCHOLINE, physiology/ ACTION POTENTIALS/ *ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, physiology/ ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ BRONCHIAL NEOPLASMS/ CAFFEINE, pharmacodynamics/ CALCIUM, physiology/ CARCINOMA/ COMPARATIVE STUDY/ EPINEPHRINE, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAVENOUS/ ISOPROTERENOL, pharmacodynamics/ MUSCLES, physiopathology/ *MUSCULAR DISEASES, physiopathology/ *MYASTHENIA GRAVIS, physiopathology/ *NEURAL TRANSMISSION/ *NEUROMUSCULAR JUNCTION, physiology/ PHENTOLAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SYNDROME
3839. Takano T, Kalai OB, Swanson R, et al: The structure of ferrocytochrome c at 2.45 Å resolution. *J Biol Chem* 248:5234-55, 10 Aug 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ CHLORIDES/ CHROMATOGRAPHY, ION EXCHANGE/ CRYSTALLIZATION/ CRYSTALLOGRAPHY/ CYANIDES/ *CYTOCHROME C/ FISHES/ FOURIER ANALYSIS/ HORSES/ IODIDES/ MATHEMATICS/ MERCURY/ MODELS, STRUCTURAL/ MYOCARDIUM/ OXIDATION-REDUCTION/ PLATINUM/ PROTEIN CONFORMATION/ RHODOSPIRILLUM RUBRUM/ SPECIES SPECIFICITY/ X-RAY DIFFRACTION
3840. Takasaki M, Shirai O, Namiki A, et al: [Effects of ultra-short acting intravenous anesthetics, CT1341, methohexital, and propomid on cerebrospinal fluid pressure] *Jap J Anesthesiol* 22:778-84, Aug 73 (Jap)
ADOLESCENCE/ ADULT/ AGED/ ANESTHESIA, INTRAVENOUS/ *ANESTHETICS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYSTEROIDS, pharmacodynamics/ *INTRACRANIAL PRESSURE, drug effects/ MALE/ *METHOHEXITAL, pharmacodynamics/ MIDDLE AGE/ *PREGNANEDIONES, pharmacodynamics/ *PROPANIDID, pharmacodynamics
3841. Takayanagi I, Takagi K: The action of dihydryl cyclic GMP (N2-2'-O-dihydryl cyclic guanosine-3',5'-mono-phosphate) on the ileum of guinea pig. *Jap J Pharmacol* 23:573-5, Aug 73
ANIMAL EXPERIMENTS/ BUTYRATES, pharmacodynamics/ *GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ MALE/ *MUSCLE, SMOOTH, drug effects/ STIMULATION, CHEMICAL
3842. Takayasu H, Aso Y, Kawabe K: [Treatment and the clinical course of Bartter's syndrome] *Jap J Clin Med* 31:2840-5, Sep 73 (Jap)
ADULT/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERALDOSTERONISM, drug therapy/ HYPERALDOSTERONISM, pathology/ MALE
3843. Takebe K: [Short feedback action of ACTH] *Clin Endocrinol (Tokyo)* 21:951-4, Sep 73 (Jap)
ANIMAL EXPERIMENTS/ CORTICOTROPIN, metabolism/ *CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN RELEASING HORMONE, antagonists & inhibitors/ FEEDBACK/ MALE/ RATS
3844. Takeda R, Ueda M, Hosojima H, et al: [Case of acromegaly with diabetes and galactorrhea with successful pregnancy] *Clin Endocrinol (Tokyo)* 21:731-5, Jul 73 (Jap)
*ACROMEGALY, complications/ ADULT/ *DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ *LACTATION DISORDERS, complications/ *PREGNANCY COMPLICATIONS/ *PREGNANCY IN DIABETES
3845. Takeva Ts, Despodova Ts: Elektronnomikroskopsko i khistokhimichno izsledvane na steroidoproduktisrashchite kletki v laichnika na zheni s myoma uteri. *Akush Ginekol (Sofia)* 12:407-12, 1973 (Bul)
ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *LEIOMYOMA, metabolism/ MICROSCOPY, ELECTRON/ OVARY, cytology/ *OVARY, metabolism/ *STEROIDS, biosynthesis/ *UTERINE NEOPLASMS, metabolism
3846. Takizawa S, Ito A, Kawamura Y, et al: Growth characteristics of chemically induced rat mammary tumors in autochthonous and secondary hosts. *Gann* 64:465-74, Oct 73
ANIMAL EXPERIMENTS/ BENZANTHRACENES/ CASTRATION/ FEMALE/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ NEOPLASM TRANSPLANTATION/ NITROSOUREA COMPOUNDS/ OVARY, physiology/ PROLACTIN, blood/ RATS/ SEX FACTORS/ SEX HORMONES, physiology/ TRANSPLANTATION, HOMOLOGOUS
3847. Talarico RD, Clark JC: Nonpenetrating testicular rupture. *Urology* 1:365-7, Apr 73
ADULT/ DEBRIDEMENT/ HEMATOCELE, surgery/ HUMAN/ MALE/ RUPTURE, diagnosis/ RUPTURE, surgery/ SUTURE TECHNIQS/ *TESTIS, injuries

AUTHOR SECTION

3848. Talerman A: Gonadoblastoma associated with embryonal carcinoma. *Obstet Gynecol* 43:138-42, Jan 74
ADOLESCENCE/ DISGERMINOMA, complications/ *DISGERMINOMA, pathology/ DISGERMINOMA, surgery/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, complications/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ PHENOTYPE/ PROGNOSIS/ SEX CHROMATIN/ TERATOID TUMOR, complications/ *TERATOID TUMOR, pathology/ TERATOID TUMOR, surgery
3849. Talley RW: Proceedings: Chemotherapy of adenocarcinoma of the kidney. *Cancer* 32:1062-5, Nov 73
*ADENOCARCINOMA, drug therapy/ ALKYLATING AGENTS, therapeutic use/ ANDROGENS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *KIDNEY NEOPLASMS, drug therapy/ MALE/ METHOTREXATE, therapeutic use/ NEOPLASM METASTASIS/ PROGESTATIONAL HORMONES, therapeutic use/ VINBLASTINE, therapeutic use/ VINCRIStINE, therapeutic use
3850. Tan SY, Murphy BE: Specificity of the progesterone-binding globulin of the guinea pig. *Endocrinology* 91:122-7, Jan 74
ANDROSTANES, metabolism/ ANIMAL EXPERIMENTS/ BINDING, COMPETITIVE/ ESTRANES, metabolism/ FEMALE/ GUINEA PIGS/ PREGNANCY/ PREGNANES, metabolism/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ *SERUM GLOBULINS, metabolism/ TRITIUM
3851. Tan WC, Cortesi R, Privett OS: Lipid peroxide and lung prostaglandins. *Arch Environ Health* 28:82-4, Feb 74
ANIMAL EXPERIMENTS/ ARACHIDONIC ACID, analysis/ ARACHIDONIC ACID, metabolism/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ FATTY ACIDS, analysis/ *FATTY ACIDS, metabolism/ INJECTIONS, INTRAVENOUS/ LINOLEIC ACID, analysis/ LINOLEIC ACID, pharmacodynamics/ LUNG, analysis/ *LUNG, drug effects/ LUNG, metabolism/ MALE/ OLEIC ACID, analysis/ *PEROXIDES, pharmacodynamics/ PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, metabolism/ RATS
3852. Tanaka K, Pettinger WA: Renin release and ketamine-induced cardiovascular stimulation in the rat. *J Pharmacol Exp Ther* 188:229-33, Jan 74
ALANINE, pharmacodynamics/ ANGIOTENSIN, antagonists & inhibitors/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ *KETAMINE, pharmacodynamics/ KIDNEY, physiology/ NEPHRECTOMY/ PROPANOLOL, pharmacodynamics/ RATS/ *RENIN, blood/ SARCOSINE, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS
3853. Tanioka Y: [Time of ovulation and effect of lighting on the ovulation in rats (author's transl)] *Exp Anim (Tokyo)* 22:139-44, Apr 73 (Jap)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ *LIGHT/ OVULATION/ *RATS, physiology
3854. TannenberG AE, Muller HK, Cauchi MN, et al: Incidence of autoantibodies in cancer patients. *Clin Exp Immunol* 15:153-6, Oct 73
*AUTOANTIBODIES, analysis/ FLUORESCENT ANTIBODY TECHNIC/ GASTROINTESTINAL NEOPLASMS, immunology/ HUMAN/ LEUKEMIA, immunology/ LYMPHOMA, immunology/ MITOCHONDRIA, immunology/ MUSCLE, SMOOTH, immunology/ *NEOPLASMS, immunology/ NEOPLASMS, NERVOUS TISSUE, immunology/ PARIETAL LOBE, immunology/ SKIN NEOPLASMS, immunology/ THYROID GLAND, immunology
3855. Tao M, Hackett P: Adenosine cyclic 3':5'-monophosphate-dependent protein kinase from rabbit erythrocytes. Purification and characterization of multiple forms. *J Biol Chem* 248:5324-32, 10 Aug 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BINDING SITES/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, ION EXCHANGE/ DRUG STABILITY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ERYTHROCYTES, drug effects/ *ERYTHROCYTES, GEL FILTRATION/ HEAT/ MAGNESIUM, pharmacodynamics/ MOLECULAR WEIGHT/ PHOSPHORUS RADIOISOTOPES/ PROTAMINES, pharmacodynamics/ PROTEIN BINDING/ *PROTEIN KINASE, blood/ PROTEIN KINASE, isolation & purification/ PROTEIN KINASE, metabolism/ RABBITS
3856. Tarachand U, Eapen J: The effect of trypan blue on protein synthesis by maternal liver and placenta of mice. *Toxicology* 1:225-32, Sep 73
ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CELL MEMBRANE, metabolism/ CELL NUCLEUS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GESTATIONAL AGE/ LEUCINE, antagonists & inhibitors/ LEUCINE, metabolism/ LIVER, cytology/ *LIVER, metabolism/ MICE/ MICROSOMES, metabolism/ MICROSOMES, LIVER, metabolism/ MITOCHONDRIA, metabolism/ PLACENTA, cytology/ *PLACENTA, metabolism/ POLYRIBOSOMES, metabolism/ PREGNANCY/ PROTEINS, antagonists & inhibitors/ *PROTEINS, biosynthesis/ TIME FACTORS/ *TRYPAN BLUE, pharmacodynamics
3857. Tarentino AL, Plummer TH Jr, Maley F: A beta-mannosidic linkage in the unit A oligosaccharide of bovine thyroglobulin. *J Biol Chem* 248:5547-8, 10 Aug 73
ACETAMIDES/ ANIMAL EXPERIMENTS/ CATTLE/ CHICKENS/ CHROMATOGRAPHY, GAS/ COLORIMETRY/ DISACCHARIDES/ FEMALE/ GEL FILTRATION/ GLUCOSAMINIDASE/ GLYCOSIDE HYDROLASES/ GLYCOSIDES/ KINETICS/ MANNOSE/ *OLIGOSACCHARIDES, analysis/ OVIDUCTS, enzymology/ PLANTS, enzymology/ STREPTOMYCES, enzymology/ *THYROGLOBULIN, analysis/ TIME FACTORS/ TRITIUM
3858. Tash J, Mann T: Proceedings: Relation of cyclic AMP to sperm motility. *J Reprod Fertil* 35:591, Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, analysis/ ANIMAL EXPERIMENTS/ CATTLE/ CELL MOVEMENT/ CHICKENS/ COLD/ HORSES/ MALE/ SHEEP/ *SPERMATOZOA, analysis/ SPERMATOZOA, physiology/ SWINE
3859. Tashjian AH Jr, Voelkel EF, Goldhaber P, et al: Letter: Prostaglandins, bone resorption and hyperglycemia. *N Engl J Med* 290:166, 17 Jan 74
ANIMAL EXPERIMENTS/ *BONE RESORPTION/ BONE RESORPTION, drug effects/ CALCIUM, blood/ INDOMETHACIN, pharmacodynamics/ MICE/ NEOPLASMS, blood/ NEOPLASMS, metabolism/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, blood
3860. Taterka W: Le goitre endémique--dû à un métabolisme intermédiaire mal dirigé de la flore intestinale. *Praxis* 62:1444-8, 20 Nov 73 (Fre)
ANIMAL EXPERIMENTS/ BACTERIAL

AUTHOR SECTION

INFECTIONS, complications/ COLLOIDS/
DISEASE RESERVOIRS/ ENGLISH
ABSTRACT/ *GOITER, ENDEMIC, etiology/
GOITER, ENDEMIC, familial & genetic/
GOITER, ENDEMIC, therapy/ INTESTINES,
microbiology/ IODINE, administration &
dosage/ IODINE, metabolism/ RABBITS/
RATS/ SULFUR, adverse effects/ SULFUR,
metabolism/ THIOURACIL, therapeutic use/
THYROID GLAND, pathology/ VIBRIO
INFECTIONS, complications/ WATER
POLLUTION

3861. Tatler GL, Bailford RA, Varghese Z, et al: Evolution of bone disease over 10 years in 135 patients with terminal renal failure. *Br Med J* 4:315-9, 10 Nov 73
ADOLESCENCE/ ADULT/ ARTERIES/
CALCINOSIS, radiography/ CALCIUM,
analysis/ CALCIUM, DIETARY/ CHILD/
FEMALE/ FRACTURES, radiography/
HEMODIALYSIS/ HUMAN/ JOINT DISEASES,
radiography/ *KIDNEY FAILURE, CHRONIC,
complications/ MALE/ MIDDLE AGE/
OSTEITIS FIBROSA CYSTICA, radiography/
PHOSPHATES, blood/ *RENAL
OSTEODYSTROPHY, radiography/ RIBS,
injuries/ TIME FACTORS/ VASCULAR
DISEASES, radiography/ VITAMIN D,
metabolism

3862. Tatón J: Badania patofizjologiczne a terapia cukrzycy. *Po Arch Med Wewn* 50:1139-48, Nov 73 (Pol)
ADULT/ AGED/ BLOOD SUGAR, metabolism/
*DIABETES MELLITUS/ DIABETES
MELLITUS, drug therapy/ DIABETES
MELLITUS, physiopathology/ DIABETES
MELLITUS, therapy/ DIABETIC DIET/
EXERTION/ FEMALE/ HUMAN/ INSULIN,
isolation & purification/ INSULIN, therapeutic
use/ INSULIN ANTIBODIES/ MALE/ MIDDLE
AGE/ RECEPTORS, HORMONE

3863. Tattersall RB, Pyke DA: Growth in diabetic children. Studies in identical twins. *Lancet* 2:1105-9, 17 Nov 73
ADOLESCENCE/ ADULT/ BLOOD SUGAR,
analysis/ BODY HEIGHT/ BODY WEIGHT/
CHILD/ CHILD, PRESCHOOL/ DIABETES
MELLITUS, JUVENILE, complications/
DIABETES MELLITUS, JUVENILE, diagnosis/
DIABETES MELLITUS, JUVENILE, drug
therapy/ *DIABETES MELLITUS, JUVENILE,
familial & genetic/ DIABETES MELLITUS,
JUVENILE, urine/ *DISEASES IN TWINS/
FEMALE/ FETAL DISEASES, blood/
*GROWTH DISORDERS, etiology/ GROWTH
DISORDERS, familial & genetic/ HUMAN/
INSULIN, therapeutic use/ MALE/
MATERNAL-FETAL EXCHANGE/ MENARCHE/
MIDDLE AGE/ PREGNANCY IN DIABETES,
blood/ PUBERTY/ SEX FACTORS

3864. Tausk M: The 1973 Ernst Laqueur Memorial Lecture. *Acta Endocrinol (Kbh)* 74:417-33, Nov 73
*ENDOCRINOLOGY, history/ EUROPE/
HISTORICAL ARTICLE/ HISTORY OF
MEDICINE, 20TH CENT.

3865. Taverna RD, Langdon RG: D-glucosyl isothiocyanate, an affinity label for the glucose transport proteins of the human erythrocyte membrane. *Biochem Biophys Res Commun* 54:593-9, 16 Sep 73
BINDING SITES/ BIOLOGICAL TRANSPORT,
ACTIVE/ BLOOD PROTEINS, antagonists &
inhibitors/ BLOOD PROTEINS, metabolism/
*BLOOD SUGAR, metabolism/ CARBON
RADIOISOTOPES/ CELL MEMBRANE, drug
effects/ CELL MEMBRANE, metabolism/
ELECTROPHORESIS, DISC/ ERYTHROCYTES,
cytology/ ERYTHROCYTES, drug effects/
*ERYTHROCYTES, metabolism/ GLUCOSE/
GLYCOSIDES, chem synthesis/ *GLYCOSIDES,
pharmacodynamics/ HUMAN/ IN VITRO/
MALTOSYL, metabolism/ PROTEIN BINDING/
SPECTROMETRY, FLUORESCENCE/
SPECTROPHOTOMETRY, ULTRAVIOLET/
THIOCYANATES, chem synthesis/
*THIOCYANATES, pharmacodynamics/ TIME
FACTORS

3866. Tavernier J, Diard F, Delorme G: Intérêt de l'artériographie en pathologie surrénalienne. *Ann Radiol (Paris)* 16:565-60, Sep-Oct 73 (Fre)
*ADRENAL GLAND DISEASES, radiography/
*ADRENAL GLAND NEOPLASMS,
radiography/ ANGIOGRAPHY/ ENGLISH
ABSTRACT/ HUMAN

3867. Taylor AW, Secord DC, Murray P: Rat muscle and organ weights after castration: the effects of anabolic steroids and exercise. *Endocrinologie* 81:372-8, Jun 73
*ADRENAL GLANDS, drug effects/
*ANABOLIC STEROIDS, pharmacodynamics/
ANIMAL EXPERIMENTS/ BODY WEIGHT/
*CASTRATION/ *EXERTION/ *LIVER, drug
effects/ MALE/ *MUSCLES, drug effects/
ORGAN WEIGHT/ RATS/ *SPLEEN, drug
effects

3868. Taylor KB: Dopamine-beta-hydroxylase. Stereochemical course of the reaction. *J Biol Chem* 249:454-8, 25 Jan 74
ADRENAL GLANDS, enzymology/
AMPHETAMINE, metabolism/ ANIMAL
EXPERIMENTS/ CATALYSIS/ CATTLE/
CHEMISTRY/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/ CYCLIC
N-OXIDES, metabolism/ *DEXTRO
AMPHETAMINE, metabolism/ *DOPAMINE
BETA HYDROXYLASE, metabolism/
HYDROXYLATION/ ISOTOPE LABELING/
METHYLATION/ MODELS, CHEMICAL/
OXIDATION-REDUCTION/
PHENYLPROPANOLAMINE, metabolism/
STEREISOMERS/ STRUCTURE-ACTIVITY
RELATIONSHIP/ STYRENES, metabolism/
TRITIUM

3869. Taylor KM: Comparison of the antihistaminic effect of burimamide and mepyramine and their effect on the activity of histamine methyltransferase. *Biochem Pharmacol* 22:2775-6, 1 Nov 73
ANIMAL EXPERIMENTS/
ANTIHISTAMINICS, pharmacodynamics/
BENZYL COMPOUNDS, pharmacodynamics/
BRAIN, enzymology/ CARBOXY-LYASES,
metabolism/ COMPARATIVE STUDY/
ETHYLENEDIAMINES, pharmacodynamics/
GUINEA PIGS/ HEART ATRIUM, enzymology/
HISTAMINE/ HISTAMINE, analysis/
HISTIDINE/ ILEUM, enzymology/
IMIDAZOLES, pharmacodynamics/ IN VITRO/
KINETICS/ MALE/ *METHYLTRANSFERASES,
antagonists & inhibitors/ MONOAMINE
OXIDASE, metabolism/ *PYRIDINES,
pharmacodynamics/ RECEPTORS, DRUG, drug
effects/ STOMACH, enzymology/ *THIOUREA,
pharmacodynamics

3870. Taylor KM, Snyder SH: The release of histamine from tissue slices of rat hypothalamus. *J Neurochem* 21:1215-23, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ ANIMAL EXPERIMENTS/ BRAIN,
metabolism/ CALCIUM, pharmacodynamics/
DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ EDTA, pharmacodynamics/
FLUORIDES, pharmacodynamics/ *HISTAMINE
LIBERATION, drug effects/ HISTIDINE,
metabolism/ *HYPOTHALAMUS, metabolism/
IN VITRO/ MALE/ PHENOXYBENZAMINE,
pharmacodynamics/ PHENTOLAMINE,
pharmacodynamics/ POTASSIUM,
pharmacodynamics/ RATS/ RESERPINE,
pharmacodynamics/ TEMPERATURE/
TETRODOTOXIN, pharmacodynamics/
THEOPHYLLINE, pharmacodynamics/ TIME
FACTORS/ TRITIUM

3871. Taylor S: The nodularity of nodular goitre. *Acta Endocrinol [Suppl] (Kbh)* 59-60, 1973
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ *GOITER, NODULAR,
pathology/ GOITER, NODULAR, therapy/
HUMAN/ IODINE RADIOISOTOPES/ RATS/
*THYROID GLAND, pathology/
THYROIDECTOMY/ THYROTROPIN,
metabolism/ TRIIODOTHYRONINE, secretion

3872. Tazaki H, Mural M, Baba S: Human adrenal tumors and

AUTHOR SECTION

- hyperplasias in vitro: a bridge between morphology and function. Invest Urol 11:288-94, Jan 74
*ADENOMA, pathology/ *ADRENAL GLAND
HYPERFUNCTION, pathology/ *ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLANDS, cytology/ CORTICOTROPIN/ CULTURE MEDIA/ CUSHING'S SYNDROME, pathology/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM/ HUMAN/ HYPERALDOSTERONISM, pathology/ HYPERPLASIA/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ ORGAN CULTURE/ TIME FACTORS
3873. Tebecks AK: Studies on the identity of the optic nerve transmitter. Brain Res 63:31-42, 7 Dec 73
ACETYLCHOLINE, pharmacodynamics/ ACOUSTIC STIMULATION/ AMINO ACIDS, isolation & purification/ *AMINO ACIDS, pharmacodynamics/ AMINOBUTYRIC ACID, pharmacodynamics/ ANIMAL EXPERIMENTS/ ASPARTIC ACID, pharmacodynamics/ AUDITORY CORTEX, physiology/ CATS/ CYSTEINE, pharmacodynamics/ ELECTRIC STIMULATION/ ERGOTHIONEINE, pharmacodynamics/ *GENICULATE BODIES, drug effects/ GLUTAMATES, pharmacodynamics/ HOMOCYSTEINE, pharmacodynamics/ NEURAL INTERCONNECTIONS, drug effects/ *NEURAL TRANSMISSION, drug effects/ *NEUROHUMORS, pharmacodynamics/ OPTIC NERVE, drug effects/ *OPTIC NERVE, physiology/ PHOTIC STIMULATION/ *SEROTONIN, pharmacodynamics/ VISUAL CORTEX, physiology
3874. Teixeira CF, Filho AK: Hermafroditismo verdadeiro. Apresentação de um caso e revisão da literatura. Rev Assoc Med Bras 19:231-6, Jun 73 (Por)
CASE REPORT/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *HERMAPHRODITISM, surgery/ HUMAN/ PENIS, surgery
3875. Telegdy G, Stark A: Effect of sexual steroids and androgen sterilization on avoidance and exploratory behaviour in the rat. Acta Physiol Acad Sci Hung 43:55-63, 1973
ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ CASTRATION/ *CONDITIONING, CLASSICAL, drug effects/ *ESCAPE REACTION, drug effects/ ESTRONE, pharmacodynamics/ *EXPLORATORY BEHAVIOR, drug effects/ EXTINCTION (PSYCHOLOGY), drug effects/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX HORMONES, pharmacodynamics/ *STERILIZATION, SEXUAL/ TESTOSTERONE, pharmacodynamics/ TIME FACTORS
3876. Terasawa E, Kawakami M: Effects of limbic forebrain ablation on pituitary gonadal function in the female rat. Endocrinol Jap 20:277-90, Jun 73
ADRENAL GLANDS, anatomy & histology/ ANIMAL EXPERIMENTS/ BODY WEIGHT/ CORPUS CALLOSUM, physiology/ ESTRUS/ FEMALE/ FRONTAL LOBE, physiology/ FSH, secretion/ HIPPOCAMPUS, physiology/ LH, secretion/ *LIMBIC SYSTEM, physiology/ OLFACTORY BULB, physiology/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVULATION/ OVUM/ PITUITARY GLAND, anatomy & histology/ *PITUITARY GLAND, physiology/ PITUITARY GLAND FUNCTION TESTS/ RATS/ SEPTUM PELLUCIDUM, physiology/ UTERUS, anatomy & histology/ *VAGINA, physiology
3877. Terheggen HG, Pfeiffer RA, Haug H, et al: Das XXXXY-Syndrom. Bericht über 7 neue Fälle und Literaturübersicht. Z Kinderheilkd 115:209-33, 1 Oct 73 (105 ref.) (Ger)
*ABNORMALITIES, MULTIPLE, diagnosis/ BONE AND BONES, abnormalities/ CHILD, PRESCHOOL/ CYTOGENETICS/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EYE, abnormalities/ HUMAN/ HYPOGONADISM/ INFANT/ INFANT, NEWBORN/ *KLINEFELTER'S SYNDROME/ MALE/ MENTAL RETARDATION/ NERVOUS SYSTEM, abnormalities/ REVIEW/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ SYNDROME
3878. Terlou M, Straaten HW van: The development of a hypothalamic monoaminergic system for the regulation of the Pars intermedia activity in Xenopus laevis. Z Zellforsch Mikrosk Anat 143:229-38, 1973
ADAPTATION, PHYSIOLOGICAL/ ANIMAL EXPERIMENTS/ CHLORPROMAZINE, pharmacodynamics/ CHROMATOPHORES, drug effects/ DEPRESSION, CHEMICAL/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, growth & development/ HYPOTHALAMUS/ IPRONIAZID, pharmacodynamics/ MELANIN, metabolism/ MICROSCOPY, FLUORESCENCE/ MONOAMINE OXIDASE, secretion/ MSH, secretion/ NEUROSECRETION/ RESERPINE, pharmacodynamics/ *XENOPUS, growth & development
3879. Terrell TG, Stookey JL: Besnoitia bennetti in two Mexican burros. Vet Pathol 10:177-84, 1973
ANIMAL EXPERIMENTS/ BESNOITIASIS, microbiology/ *BESNOITIASIS, pathology/ EPIDIDYMIS, microbiology/ FEMALE/ MALE/ MAMMAE, microbiology/ MAMMAE, pathology/ MEXICO/ *PERISSODACTYLA/ SKIN, microbiology/ SKIN, pathology/ SPOROZOA, isolation & purification/ TESTIS, microbiology
3880. Terrell TG, Stookey JL, Eddy GA, et al: Pathology of Bolivian hemorrhagic fever in the rhesus monkey. Am J Pathol 73:477-94, Nov 73
ADRENAL GLANDS, pathology/ ANIMAL EXPERIMENTS/ BODY TEMPERATURE/ BOLIVIA/ BONE MARROW, pathology/ BRAIN, pathology/ DISEASE MODELS, ANIMAL/ ENTERITIS, microbiology/ *EPIDEMIC HEMORRHAGIC FEVER, pathology/ EPITHELIUM, pathology/ FEMALE/ GASTROINTESTINAL SYSTEM, pathology/ HAMSTERS/ HEART, pathology/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ LYMPH NODES, pathology/ MACACA/ MONKEYS/ NECROSIS/ RNA VIRUSES/ SPLEEN, pathology
3881. Teruel JE, Carrera MA, Scaro JL: Effects of betamethasone of 50Fe incorporation into hemic and non hemic fractions in the femur and spleen of mice. Acta Physiol Lat Am 23:305-9, Apr 73
*BETAMETHASONE, pharmacodynamics/ BONE MARROW CELLS, drug effects/ *BONE MARROW CELLS, metabolism/ *ERYTHROPOIESIS, drug effects/ FEMALE/ FEMUR/ IRON, blood/ *IRON, metabolism/ IRON RADIOISOTOPES/ KINETICS/ MICE/ SPLEEN, drug effects/ *SPLEEN, metabolism/ SPLENECTOMY
3882. Tesser GI, Maler R, Schenkel-Hulliger L, et al: Biological activity of corticotrophin peptides with homo-arginine, lysine or ornithine substituted for arginine in position 8. Acta Endocrinol (Kbh) 74:56-66, Sep 73
ADIPOSE TISSUE, metabolism/ ADRENAL GLANDS, metabolism/ AMIDES/ ANIMAL EXPERIMENTS/ ARGININE, pharmacodynamics/ CATTLE/ *CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPIDIDYMIS/ *FATTY ACIDS, NONESTERIFIED, metabolism/ IN VITRO/ LIPID MOBILIZATION, drug effects/ LYSINE, pharmacodynamics/ MALE/ ORNITHINE, pharmacodynamics/ *PEPTIDES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS
3883. Teutsch G, Weber L, Page G, et al: Influence of 6-azido

AUTHOR SECTION

- and 6-thiocyanato substitution on progestational and corticoid activities and a structure-activity correlation in the delta⁶-6-substituted progestational series. *J Med Chem* 18:1370-6, Dec 73
 *ADRENAL CORTEX HORMONES, chem synthesis/ ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL GLANDS, drug effects/ ANDROGENS, antagonists & inhibitors/ ANIMAL EXPERIMENTS/ *AZIDES, chem synthesis/ AZIDES, pharmacodynamics/ FEMALE/ MALE/ MOLECULAR CONFORMATION/ MUSCLES, drug effects/ *PROGESTATIONAL HORMONES, chem synthesis/ PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ PROSTATE, drug effects/ RABBITS/ RATS/ SEMINAL VESICLES, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THIOCYANATES, chem synthesis/ THIOCYANATES, pharmacodynamics/ UTERUS, drug effects
3884. Thapliyal JP, Garg RK, Murty GS: Effects of surgical thyroidectomy on the chemical composition of the body and of the plasma of Spotted Munia, *Lonchura punctulata*. *Gen Comp Endocrinol* 21:547-53, Dec 73
 ANIMAL EXPERIMENTS/ *BIRDS, physiology/ *BLOOD/ BLOOD PROTEINS/ BLOOD SUGAR/ *BODY COMPOSITION/ CHOLESTEROL, blood/ CHOLESTEROL, metabolism/ FEMALE/ LIPIDS, analysis/ *LIVER, metabolism/ LIVER GLYCOGEN/ MALE/ *THYROIDECTOMY
3885. Thaxton JP, Parkhurst CR, Hill CH: Abnormal mating behavior and reproductive dysfunction caused by mercury in Japanese quail. *Proc Soc Exp Biol Med* 144:252-5, 1 Oct 73
 ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ FEMALE/ *FERTILITY, drug effects/ MALE/ *MERCURY, adverse effects/ ORGAN WEIGHT/ OVIPOSITION, drug effects/ *QUAIL/ *SEX BEHAVIOR, ANIMAL, drug effects/ TESTIS, anatomy & histology/ TESTIS, drug effects
3886. The R, Hasselbach W: Unsaturated fatty acids as reactivators of the calcium-dependent ATPase of delipidated sarcoplasmic membranes. *Eur J Biochem* 39:83-8, 1 Nov 73
 *ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL EXPERIMENTS/ *CALCIUM, metabolism/ ENZYME ACTIVATION/ FATTY ACIDS, pharmacodynamics/ *FATTY ACIDS, UNSATURATED, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ LINOLEIC ACID, pharmacodynamics/ LINOLENIC ACID, pharmacodynamics/ MEMBRANES/ OLEIC ACID, pharmacodynamics/ PHOSPHOPROTEINS, biosynthesis/ RABBITS/ *SARCOPLASMIC RETICULUM, enzymology/ TEMPERATURE
3887. Theve NO, Carlström A, Hallberg D, et al: The effect of a beta adrenergic blocking agent, propranolol, on the development of experimental fat necrosis in the rat. *Acta Chir Scand* 139:847-9, 1973
 ADIPOSE TISSUE, drug effects/ ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ DEPRESSION, CHEMICAL/ GLYCERIN, metabolism/ LIPID MOBILIZATION, drug effects/ LIPIDS, metabolism/ MALE/ NECROSIS, chemically induced/ *NECROSIS, drug therapy/ PROPRANOLOL, pharmacodynamics/ *PROPRANOLOL, therapeutic use/ RATS/ TAUROCHOLIC ACID
3888. Thilly CH, Delange F, Ermans AM: Five years follow-up in the treatment of endemic goiter by iodized oil. *Acta Endocrinol [Suppl]* (Kbh) 111-2, 1973
 ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ *GOITER, ENDEMIC, drug therapy/ GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, prevention & control/ HUMAN/ IODINE RADIOISOTOPES/ *IODIZED OILS, therapeutic use/ MALE/ SEX FACTORS/ THYROID GLAND FUNCTION TESTS/ TIME FACTORS/ ZAIRE
3889. Thind GS: Influence of propranolol on the vascular effects of cadmium and isoproterenol in rabbit aorta. *Arch Int Pharmacodyn Ther* 205:181-91, Sep 73
 ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANGIOTENSIN II, antagonists & inhibitors/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL EXPERIMENTS/ AORTA, THORACIC, drug effects/ *CADMIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ *ISOPROTERENOL, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ TIME FACTORS/ VASOCONSTRICTOR AGENTS, antagonists & inhibitors
3890. Thody AJ, Hinks WM: The secretion of melanocyte-stimulating hormone after adrenalectomy and dexamethasone treatment in the rat. *J Endocrinol* 59:857-8, Dec 73
 *ADRENALECTOMY/ ANIMAL EXPERIMENTS/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ MSH, blood/ *MSH, secretion/ RATS
3891. Thomas DH: Proceedings: Control of active ion and water transfer in the chicken rectum: in-vitro effects of aldosterone. *J Endocrinol* 59:33, Nov 73
 *ALDOSTERONE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CHICKENS/ CHLORIDES, metabolism/ POTASSIUM, metabolism/ *RECTUM, drug effects/ SODIUM, metabolism/ *WATER-ELECTROLYTE BALANCE, drug effects
3892. Thomas G, West GB: Letter: Prostaglandins as regulators of bradykinin responses. *J Pharm Pharmacol* 25:747-8, Sep 73
 ANIMAL EXPERIMENTS/ BLOOD VESSELS, drug effects/ *BRADYKININ, pharmacodynamics/ CAPILLARY PERMEABILITY, drug effects/ DEXTRAN, pharmacodynamics/ DRUG SYNERGISM/ FEMALE/ HISTAMINE, pharmacodynamics/ INJECTIONS, INTRADERMAL/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics
3893. Thomas JA, Lloyd JW, Smith MT, et al: Effect of dieldrin on the accumulation and biotransformation of radioactive testosterone by the mouse prostate gland. *Toxicol Appl Pharmacol* 28:523-31, Dec 73
 ADMINISTRATION, ORAL/ ANDROGENS/ ANDROGENS, metabolism/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION, drug effects/ DIELDRIN, administration & dosage/ *DIELDRIN, pharmacodynamics/ FRUCTOSE, metabolism/ GONADS, drug effects/ HYDROXYLASES, metabolism/ LIVER, enzymology/ LIVER, metabolism/ MALE/ MICE/ ORGAN WEIGHT/ *PROSTATE, metabolism/ STATISTICS/ *TESTOSTERONE, metabolism/ TIME FACTORS/ TRITIUM
3894. Thomas JP, Oake RJ: Androgen metabolism in the skin of hirsute women. *J Clin Endocrinol Metab* 38:19-22, Jan 74
 ADULT/ ANDROSTANES, metabolism/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/ *DEHYDROEPIANDROSTERONE, metabolism/ FEMALE/ *HIRSUTISM, metabolism/ HUMAN/ HYPOGONADISM, metabolism/ 17-KETOSTEROIDS, metabolism/ *SKIN, metabolism/ *TESTOSTERONE, metabolism/ TRITIUM
3895. Thompson B, Aitken-Swan J: Pregnancy outcome and fertility control in Aberdeen. *Br J Prev Soc Med* 27:137-45, Aug 73
 ABORTION, occurrence/ ABORTION, THERAPEUTIC/ *BIRTH RATE/ CONTRACEPTIVE AGENTS/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/

AUTHOR SECTION

- *FAMILY PLANNING/ FEMALE/ HUMAN/
ILLEGITIMACY/ INTRAUTERINE DEVICES/
*PREGNANCY/ SCOTLAND/ SOCIAL CLASS/
STERILIZATION, SEXUAL
3896. Thompson HA, Paretsky D: Ribonucleic acid and protein synthesis in guinea pig liver during Q fever. *Infect Immun* 7:718-24, May 73
AMINO ACIDS, metabolism/ ANIMAL EXPERIMENTS/ CELL-FREE SYSTEM/ COXIELLA, immunology/ DNA, metabolism/ ELECTROPHORESIS, DISC/ GUINEA PIGS/ HYDROCORTISONE, metabolism/ *LIVER, metabolism/ MICROSOMES, LIVER/ POLYRIBOSOMES/ *PROTEINS, biosynthesis/ *Q FEVER, metabolism/ *RNA, biosynthesis/ RNA, metabolism/ TRITIUM
3897. Thompson JM, Dickinson CJ: Relation between pressure and sodium excretion in perfused kidneys from rabbits with experimental hypertension. *Lancet* 2:1382-3, 15 Dec 73
ALDOSTERONE, physiology/ ANGIOTENSIN, administration & dosage/ ANGIOTENSIN, pharmacodynamics/ ANGIOTENSIN, physiology/ ANIMAL EXPERIMENTS/ *BLOOD PRESSURE/ BLOOD PRESSURE DETERMINATION/ COMPARATIVE STUDY/ FEMALE/ *HYPERTENSION, RENAL, physiopathology/ HYPERTENSION, RENAL, urine/ INFUSIONS, PARENTERAL/ KIDNEY, blood supply/ KIDNEY, physiology/ *KIDNEY, physiopathology/ MALE/ *PERFUSION/ RABBITS/ RENAL ARTERY, drug effects/ *SODIUM, urine
3898. Thompson PD, Paape MJ, Smith JW: Residual milk yield as affected by dose and time of injection of oxytocin. *J Dairy Res* 40:221-7, Jun 73
ANIMAL EXPERIMENTS/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INJECTIONS, INTRAVENOUS/ *LACTATION, drug effects/ MATHEMATICS/ MILK, physiology/ OXYTOCIN, administration & dosage/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ REGRESSION ANALYSIS/ TIME FACTORS/ UDDER, drug effects/ *UDDER, physiology
3899. Thompson WJ, Johnson DG, Lavis VR, et al: Effects of secretin on guanyl cyclase of various tissues. *Endocrinology* 91:276-8, Jan 74
ADIPOSE TISSUE, enzymology/ ANIMAL EXPERIMENTS/ CEREBRAL CORTEX, enzymology/ ENZYME ACTIVATION, drug effects/ *GUANYL CYCLASE, metabolism/ IRIS, enzymology/ ISLANDS OF LANGERHANS, enzymology/ ISLET CELL TUMOR, enzymology/ LIVER, enzymology/ LUNG, enzymology/ MALE/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PANCREAS, enzymology/ PHOSPHORUS RADIOISOTOPES/ RATS/ RECEPTORS, HORMONE/ *SECRETIN, pharmacodynamics/ STOMACH, enzymology/ TRITIUM
3900. Thomsen H, Andreassen JC, Bangsbo C: Fine-needle aspiration biopsy of tumors of head and neck. *J Laryngol Otol* 87:1211-6, Dec 73
*BIOPSY, NEEDLE/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ FEMALE/ HUMAN/ LYMPH NODES, pathology/ MIDDLE AGE/ MOUTH NEOPLASMS, diagnosis/ *MOUTH NEOPLASMS, pathology/ NECK NEOPLASMS, diagnosis/ PAROTID NEOPLASMS, diagnosis/ *PAROTID NEOPLASMS, pathology/ PHARYNGEAL NEOPLASMS, diagnosis/ *PHARYNGEAL NEOPLASMS, pathology/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, pathology
3901. Thorngren KG, Hansson LI: Cell kinetics and morphology of the growth plate in the normal and hypophysectomized rat. *Calcif Tissue Res* 13:113-29, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ CELL DIVISION/ FEMALE/ HYPOPHYSECTOMY/ MALE/ METHODS/ MITOSIS/ OXYTETRACYCLINE/ *PITUITARY GLAND, physiology/ RATS/ *TIBIA, growth & development
3902. Thorngren KG, Hansson LI: Cell kinetics of the growth plate in hypophysectomized rats treated with growth hormone and thyroxine. *Z Zellforsch Mikrosk Anat* 142:431-42, 17 Sep 73
ANIMAL EXPERIMENTS/ CELL DIVISION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HYPOPHYSECTOMY/ OXYTETRACYCLINE, diagnostic use/ *PITUITARY GLAND, physiology/ RATS/ SOMATOTROPIN, administration & dosage/ *SOMATOTROPIN, pharmacodynamics/ THYROID, administration & dosage/ *THYROID, pharmacodynamics/ TIBIA, drug effects/ *TIBIA, growth & development/ TIME FACTORS
3903. Thorngren KG, Hansson LI, Menander-Sellman K, et al: Effect of dose and administration period of growth hormone on longitudinal bone growth in the hypophysectomized rat. *Acta Endocrinol (Kbh)* 74:1-23, Sep 73
AGE FACTORS/ ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *BONE DEVELOPMENT, drug effects/ CARTILAGE, drug effects/ CATTLE/ CORTISONE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HEART, anatomy & histology/ HEART, drug effects/ HYPOPHYSECTOMY/ INJECTIONS, SUBCUTANEOUS/ METHODS/ MICROSCOPY, FLUORESCENCE/ ORGAN WEIGHT/ RATS/ *SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TETRACYCLINE, diagnostic use/ TIBIA/ TIME FACTORS
3904. Thorngren KG, Hansson LI: Effect of thyroxine and growth hormone on longitudinal bone growth in the hypophysectomized rat. *Acta Endocrinol (Kbh)* 74:24-40, Sep 73
ANIMAL EXPERIMENTS/ BODY WEIGHT, drug effects/ *BONE DEVELOPMENT, drug effects/ CARTILAGE, drug effects/ CATTLE/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ FEMALE/ HEART, anatomy & histology/ HEART, drug effects/ HYPOPHYSECTOMY/ MICROSCOPY, FLUORESCENCE/ ORGAN WEIGHT/ RATS/ *SOMATOTROPIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TETRACYCLINE, diagnostic use/ *THYROID, pharmacodynamics/ TIBIA/ TIME FACTORS
3905. Thrower S, Ord MG, Stocken LA: Effects of phenoxylbenzamine on early stages of liver regeneration in partially hepatectomized rats. *Biochem Pharmacol* 22:95-100, 1 Jan 73
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CARBOXY-LYASES, antagonists & inhibitors/ CELL NUCLEUS, enzymology/ DNA, biosynthesis/ ENZYME INDUCTION, drug effects/ HEPATECTOMY/ HISTONES/ HYDROGEN-ION CONCENTRATION/ LIVER, cytology/ LIVER, enzymology/ *LIVER REGENERATION, drug effects/ MALE/ ORNITHINE/ OROTIC ACID, metabolism/ *PHENOXYBENZAMINE, pharmacodynamics/ PHOSPHORUS RADIOISOTOPES/ PROTEIN KINASE, antagonists & inhibitors/ RATS/ RNA, MESSENGER, biosynthesis/ THYMIDINE, antagonists & inhibitors/ TIME FACTORS/ TRANSCRIPTION, GENETIC, drug effects
3906. Thurlley DC: Prenatal growth of the adrenal gland in sheep. *NZ Vet J* 20:177-9, Oct 72
*ADRENAL GLANDS, embryology/ ADRENAL MEDULLA, embryology/ ANIMAL EXPERIMENTS/ BIOMETRY/ FETUS/ GESTATIONAL AGE/ ORGAN WEIGHT/ *SHEEP, embryology
3907. Thyrum PT: Inotropic stimuli and systolic transmembrane calcium flow in depolarized guinea-pig atria.

AUTHOR SECTION

- J Pharmacol Exp Ther 188:166-79, Jan 74
ACTION POTENTIALS/ ANIMAL
EXPERIMENTS/ *CALCIUM, metabolism/
*CELL MEMBRANE, metabolism/ EDTA,
pharmacodynamics/ ELECTRIC STIMULATION/
GUINEA PIGS/ *HEART ATRIUM,
metabolism/ HEART RATE, drug effects/ IN
VITRO/ IPROVERATRIL, pharmacodynamics/
ISOPROTERENOL, pharmacodynamics/
MEMBRANE POTENTIALS, drug effects/
OUABAIN, pharmacodynamics/ POTASSIUM,
pharmacodynamics/ QUINIDINE,
pharmacodynamics/ STIMULATION,
CHEMICAL/ TEMPERATURE/ TIME
FACTORS
3908. Tiburtius HF: Untersuchungen über den Einfluß von
Kontrazeptiva auf das Gesichtsfeld, die
Dunkeladaptation und den intraokularen Druck.
Klin Monatsbl Augenheilkd 183:215-8, Aug 73 (Ger)
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES,
ORAL, pharmacodynamics/ *DARK
ADAPTATION, drug effects/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
*INTRAOCULAR PRESSURE, drug effects/
PERIMETRY/ PREGNANCY/ TONOMETRY/
*VISUAL FIELDS, drug effects
3909. Tillack TW, Boland R, Martonos A: The ultrastructure
of developing sarcoplasmic reticulum.
J Biol Chem 249:824-33, 25 Jan 74
ADENOSINE TRIPHOSPHATASE, metabolism/
AGE FACTORS/ ANIMAL EXPERIMENTS/
BIOLOGICAL TRANSPORT, ACTIVE/
CALCIUM, metabolism/ CHICK EMBRYO/
CHICKENS/ FREEZE ETCHING/
MEMBRANES/ MICROSCOPY, ELECTRON/
MICROTOMY/ *MUSCLES, cytology/
MUSCLES, embryology/ MUSCLES,
enzymology/ MUSCLES, growth &
development/ MUSCLES, metabolism/
MYOFIBRILS/ PHOSPHOLIPIDS, metabolism/
SARCOPLASMIC RETICULUM, enzymology/
*SARCOPLASMIC RETICULUM, metabolism
3910. Tillisch JH, Langer GA: Myocardial mechanical
responses and ionic exchange in high-sodium
perfusate. Circ Res 40:40-50, Jan 74
ANIMAL EXPERIMENTS/ BODY WATER,
metabolism/ *CALCIUM, metabolism/
EXTRACELLULAR SPACE/ HEART, drug
effects/ HEART, physiology/ HEART SEPTUM,
metabolism/ HYPERTONIC SOLUTIONS/ IN
VITRO/ *ION EXCHANGE/ *MYOCARDIUM,
metabolism/ OSMOLAR CONCENTRATION/
PERFUSION/ POTASSIUM, metabolism/
RABBITS/ SODIUM, administration & dosage/
SODIUM, metabolism/ TIME FACTORS
3911. Timlo M, Losito A, Lorusso L: Comportamento degli
11-drossicorticoidi plasmatici dopo test di
soppressione con desametasone nell'insufficienza
cardiaca congestizia.
Folia Endocrinol (Roma) 28:321-31, Aug 73 (Ita)
ADULT/ AGED/ CATECHOLAMINES, blood/
CORONARY DISEASE, complications/
CORTICOSTERONE, blood/
*DEXAMETHASONE, pharmacodynamics/
ENGLISH ABSTRACT/ HEART DISEASES,
complications/ *HEART FAILURE,
CONGESTIVE, blood/ HUMAN/
HYDROCORTISONE, blood/
*11-HYDROXYCORTICOSTEROIDS, blood/
KIDNEY FAILURE, ACUTE, complications/
LIVER CIRRHOSIS, complications/ MIDDLE
AGE
3912. Timsit J, Glroud JP, Dechezleprêtre S, et al: Recherches
sur l'action anti-inflammatoire de l'adrénaline.
Arch Int Pharmacodyn Ther 205:153-72, Sep 73 (Fre)
ADRENAL GLANDS, physiology/
ADRENALECTOMY/ ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS,
pharmacodynamics/ BLOOD SUGAR, analysis/
CAPILLARY PERMEABILITY, drug effects/
DRUG INTERACTIONS/ EDEMA, blood/
ENGLISH ABSTRACT/ EPINEPHRINE,
antagonists & inhibitors/ *EPINEPHRINE,
pharmacodynamics/ GLUCONEOGENESIS, drug
effects/ GLYCOLYSIS, drug effects/
HYPERGLYCEMIA, blood/ INSULIN,
pharmacodynamics/ ISOPROTERENOL,
pharmacodynamics/ KINETICS/ LACTATES,
blood/ MALE/ PHENTOLAMINE,
pharmacodynamics/ PLEURISY, blood/
PROPRANOLOL, pharmacodynamics/
PYRUVATES, blood/ RATS/ TIME FACTORS/
VASOCONSTRICTOR AGENTS,
pharmacodynamics
3913. Tisman G, Herbert V: Studies of effects of cyclic
adenosine 3',5'-monophosphate in regulation of
human hemopoiesis in vitro.
In Vitro 9:88-91, Sep-Oct 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/ AGAR/
AUTORADIOGRAPHY/ *BONE MARROW
CELLS, drug effects/ BONE MARROW
CELLS, metabolism/ *BONE MARROW CELLS,
metabolism/ CELLS, CULTURED/
*DIBUTYRYL CYCLIC AMP,
pharmacodynamics/ *DNA, biosynthesis/
ERYTHROPOIESIS, drug effects/
*HEMATOPOIESIS, drug effects/ HUMAN/ IN
VITRO/ LEUKOCYTES, drug effects/
*PROSTAGLANDINS, pharmacodynamics/
*THEOPHYLLINE, pharmacodynamics/
THYMIDINE, metabolism/ TRITIUM
3914. Tissot R, Bartholini G: Monoamines et régulations
thymiques.
Rev Neurol (Paris) 127:193-202, Jul 72 (Fre)
ANIMAL EXPERIMENTS/ BIOGENIC AMINES,
cerebrospinal fluid/ BIOGENIC AMINES,
pharmacodynamics/ *BIOGENIC AMINES,
physiology/ BIOGENIC AMINES, urine/
BRAIN, metabolism/ CATECHOLAMINES,
metabolism/ DOPA, metabolism/ FEMALE/
HUMAN/ HYDROXYINDOLEACETIC ACID,
metabolism/ SEROTONIN, metabolism/
*THYMUS GLAND, physiology/ TIME
FACTORS
3915. Tkachev AV, Vazilo VE, Zaichik VE: Ob Interpretatsii
rezultatov glstokhimičeskogo izučeniia obmena
uglevodov i sbchitovidnoi.
Probl Endokrinol (Mosk) 19:104-8, Nov-Dec 73 (Rus)
ANIMAL EXPERIMENTS/ *CARBOHYDRATES,
metabolism/ ENGLISH ABSTRACT/
GLUCOSEPHOSPHATE DEHYDROGENASE,
metabolism/ HISTOCYTOCHEMISTRY/
LACTATE DEHYDROGENASE, metabolism/
LIPOAMIDE DEHYDROGENASE, metabolism/
MALE/ NADP, metabolism/ RATS/ RATS,
INBRED STRAINS/ SUCCINATE
DEHYDROGENASE, metabolism/ THYROID
GLAND, enzymology/ *THYROID GLAND,
metabolism
3916. Toda N, Fujita Y: Responsiveness of isolated cerebral
and peripheral arteries to serotonin, norepinephrine,
and transmural electrical stimulation.
Circ Res 33:98-104, Jul 73
ANIMAL EXPERIMENTS/ *ARTERIES,
physiology/ BASILAR ARTERY, drug effects/
CAROTID ARTERIES, drug effects/ CAROTID
ARTERY, EXTERNAL, drug effects/
CAROTID ARTERY, INTERNAL, drug effects/
CEREBRAL ARTERIES, drug effects/
CEREBRAL ARTERIES, innervation/
*CEREBRAL ARTERIES, physiology/
COMPARATIVE STUDY/ DOGS/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ELECTRIC STIMULATION/ FEMALE/
HUMAN/ MALE/ MESENTERIC ARTERIES,
drug effects/ MUSCLE CONTRACTION, drug
effects/ *MUSCLE, SMOOTH, physiology/
*NOREPINEPHRINE, pharmacodynamics/
PHYSIOLOGY, COMPARATIVE/ *SEROTONIN,
pharmacodynamics/ TIME FACTORS/
*VASOMOTOR SYSTEM, physiology
3917. Todortseva MS: Terapija pri genital'nom endometrioz.
Akush Ginekol (Mosk) 49:27-9, May 73 (Rus)
ADULT/ CHRONIC DISEASE/ CURETTAGE/
*ENDOMETRIOSIS, drug therapy/ ENGLISH
ABSTRACT/ FEMALE/ HORMONES,
therapeutic use/ HUMAN/ MIDDLE AGE/
OVARIAN NEOPLASMS, drug therapy/
RECTAL NEOPLASMS, drug therapy/

AUTHOR SECTION

- UTERINE NEOPLASMS, drug therapy/
VAGINAL NEOPLASMS, drug therapy
3918. Toft AD, Boyns AR, Cole EN, et al: The effect of thyrotropin-releasing hormone on plasma prolactin and thyrotrophin levels in primary hypothyroidism. *Clin Endocrinol (Oxf)* 2:289-95, Jul 73
ADULT/ FEMALE/ FSH, secretion/ HUMAN/ *HYPOTHYROIDISM, physiotherapy/ MALE/ MIDDLE AGE/ PITUITARY GLAND, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ THYROTROPIN, blood/ THYROTROPIN, secretion/ *THYROTROPIN, secretion/ *THYROTROPIN RELEASING HORMONE, diagnostic use
3919. Toft AD, Seth J, Kirkham KE, et al: Assessment of in vitro thyroid function tests in 100 consecutive patients referred to a thyroid clinic. *Clin Endocrinol (Oxf)* 2:127-34, Apr 73
EVALUATION STUDIES/ FALSE NEGATIVE REACTIONS/ HUMAN/ HYPOTHYROIDISM, diagnosis/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, diagnosis/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, metabolism
3920. Tofte T: Bronchodilaterende medikamenter. Profylakse og behandling. *Tidsskr Nor Lægeforen* 93:777-8, 20 Apr 73 (Nor)
*ASTHMA, drug therapy/ *BRONCHODILATOR AGENTS, therapeutic use/ DISODIUM CROMOGLYCAT, therapeutic use/ HUMAN/ PROSTAGLANDINS, therapeutic use
3921. Toit SN du: A one-year survey of a rural orthopaedic clinic in Zululand. *S Afr Med J* 47:2189-90, 17 Nov 73
ABNORMALITIES, occurrence/ ADOLESCENCE/ ADULT/ BONE CYST, occurrence/ *BONE DISEASES, occurrence/ BONE DISEASES, surgery/ BONE NEOPLASMS, occurrence/ CHILD/ CLUBFOOT, occurrence/ COLLAGEN DISEASES, occurrence/ EXPENDITURES, HEALTH/ FEMALE/ FINANCING, ORGANIZED/ *HOSPITAL UNITS/ HUMAN/ MALE/ NEGROES/ *ORTHOPEDICS/ OSTEOPOROSIS, occurrence/ POLIOMYELITIS, occurrence/ RICKETS, occurrence/ *RURAL POPULATION/ SOUTH AFRICA/ TUBERCULOSIS, OSTEOARTICULAR, occurrence/ WOUNDS AND INJURIES, occurrence
3922. Tojo S, Hayashi K, Osawa E: Stimulation of ovulation with F-6066 cyclofenil: bis-(p-acetoxyphenyl)-cyclohexyldienemethane. *Acta Obstet Gynecol Scand* 52:335-43, 1973
ANIMAL EXPERIMENTS/ ASCORBIC ACID, metabolism/ CARBON RADIOISOTOPES/ *CLOMIPHENE, pharmacodynamics/ CYCLOFENIL, administration & dosage/ CYCLOFENIL, metabolism/ CYCLOFENIL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ *FERTILITY AGENTS, pharmacodynamics/ FSH, pharmacodynamics/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ LH, pharmacodynamics/ MALE/ NAD, metabolism/ NADP, metabolism/ *OVARY, drug effects/ OVARY, enzymology/ OVARY, metabolism/ *OVULATION, drug effects/ *PHENOLS, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ UTERUS, drug effects
3923. Tojo S, Mochizuki M, Kanazawa S, et al: In vitro perfusion of the human utero-tubo-ovarian unit. *Am J Obstet Gynecol* 118:119-29, 1 Jan 74
ACTION POTENTIALS/ ARTERIES/ CARBON DIOXIDE, blood/ ELECTROMYOGRAPHY/ ERYTHROCYTE COUNT/ *FALLOPIAN TUBES, anatomy & histology/ FALLOPIAN TUBES, pathology/ FEMALE/ HEMATOCRIT/ HEMOGLOBIN, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ LACTATES, blood/ LEIOMYOMA, blood/ OVARY, anatomy & histology/ OVARY, blood supply/ OVARY, pathology/ *OVARY, physiotherapy/ OXYGEN, blood/ *PERFUSION, instrumentation/ PREGNANCY/ PYRUVATES, blood/ TISSUE PRESERVATION/ TROPHOBLASTIC TUMOR, blood/ UTERINE NEOPLASMS, blood/ UTERUS, anatomy & histology/ *UTERUS, blood supply/ UTERUS, pathology/ VEINS
3924. Tolls G, Somma M, Van Campenhout J, et al: Prolactin secretion in sixty-five patients with galactorrhea. *Am J Obstet Gynecol* 118:91-101, 1 Jan 74
ADENOMA, CHROMOPHOBE, blood/ ADENOMA, CHROMOPHOBE, complications/ ADULT/ AMENORRHEA, blood/ AMENORRHEA, complications/ CHIARI-FRÖMMEL SYNDROME, blood/ CHIARI-FRÖMMEL SYNDROME, complications/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DOPA, pharmacodynamics/ FEMALE/ FSH, urine/ HUMAN/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, complications/ *LACTATION DISORDERS, blood/ LACTATION DISORDERS, etiology/ MENSTRUATION DISORDERS, blood/ MENSTRUATION DISORDERS, complications/ PHENOTHIAZINES, pharmacodynamics/ PITUITARY HORMONES, secretion/ PITUITARY NEOPLASMS, blood/ PITUITARY NEOPLASMS, radiography/ PROLACTIN, blood/ *PROLACTIN, secretion/ SELLA TURCICA/ THYROTROPIN RELEASING HORMONE, pharmacodynamics
3925. Tolkacheva EN, Timofeevskaya EA: O sustviteľnosti kletok opukholei cheloveka v kul'ture k mitomitsinu C s litofofamidu. *Antibiotiki* 18:223-7, Mar 73 (Rus)
CELLS, CULTURED/ *DNA, NEOPLASM, biosynthesis/ ENGLISH ABSTRACT/ HUMAN/ MESENCHYMOMA, drug therapy/ MICROBIAL SENSITIVITY TESTS/ *MITOMYCIN, pharmacodynamics/ MITOMYCIN, therapeutic use/ OVARIAN NEOPLASMS, drug therapy/ STOMACH NEOPLASMS, drug therapy/ *THIO-TEPA, pharmacodynamics/ THIO-TEPA, therapeutic use
3926. Tollefsen DM, Feagler JR, Majerus FW: Induction of the platelet release reaction by phytohemagglutinin. *J Clin Invest* 53:211-3, Jan 74
*BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CARBON RADIOISOTOPES/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HUMAN/ IN VITRO/ IODINE RADIOISOTOPES/ MICROSCOPY, ELECTRON/ *PLANT AGGLUTININS, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RECEPTORS, DRUG/ SEROTONIN, metabolism/ THEOPHYLLINE, pharmacodynamics/ THROMBIN, pharmacodynamics
3927. Toloknov BO: Rubomitsin v lechenii trofoblasticheskikh opukholei. *Vopr Onkol* 19:23-7, 1973 (Rus)
DAUNOMYCIN, administration & dosage/ DAUNOMYCIN, adverse effects/ *DAUNOMYCIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ LEUKOPENIA, chemically induced/ PREGNANCY/ *TROPHOBLASTIC TUMOR, drug therapy
3928. Tolone G, Bonasera L, Bellavia A, et al: Effects of cortisol on immune cytotoxicity. *Patol Microbiol (Basel)* 40:30-6, 1974
ANTIBODIES/ CELL MEMBRANE, metabolism/ CELL MEMBRANE PERMEABILITY/ COMPLEMENT/ COMPLEMENT FIXATION TESTS/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ *ERYTHROCYTES, immunology/ GUINEA PIGS, immunology/ HEMOGLOBIN, metabolism/ *HEMOLYSIS,

AUTHOR SECTION

drug effects/ *HYDROCORTISONE,
pharmacodynamics/ IMMUNE SERUMS/
RABBITS, immunology/ RADIOISOTOPES/
RUBIDIUM, metabolism/ SHEEP, immunology

3929. Tomaro ML, Frydman RB, Frydman B:
Porphobilinogen oxygenase from rat liver: Induction,
isolation, and properties.

Biochemistry 12:5263-8, 18 Dec 73
ALLOSTERIC REGULATION/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY,
DEAE-CELLULOSE/
DESOXYCORTICOSTERONE,
pharmacodynamics/ ENZYME INDUCTION/
FEMALE/ GEL FILTRATION/
HYDROGEN-ION CONCENTRATION/ IRON,
analysis/ KINETICS/ MAGNESIUM,
pharmacodynamics/ *MICROSOMES, LIVER,
enzymology/ OXYGENASES, analysis/
OXYGENASES, antagonists & inhibitors/
OXYGENASES, biosynthesis/ *OXYGENASES,
isolation & purification/ PHENOBARBITAL,
pharmacodynamics/ PORPHOBILINOGEN/
PORPHOBILINOGEN, pharmacodynamics/
PREGNENOLONE, pharmacodynamics/
PROGESTERONE, pharmacodynamics/ RATS/
SPECIES SPECIFICITY/
STRUCTURE-ACTIVITY RELATIONSHIP/
TEMPERATURE

3930. Torchiana ML, Lotti VJ, Clark CM, et al: Comparison of
centrally mediated hypotensive action of methyldopa
and DOPA in cats.

Arch Int Pharmacodyn Ther 205:103-13, Sep 73
ADRENERGIC ALPHA RECEPTOR
BLOCKADERS, pharmacodynamics/ AMINO
ACIDS, antagonists & inhibitors/ ANIMAL
EXPERIMENTS/ ANTIHYPERTENSIVE
AGENTS, pharmacodynamics/ BENZOATES,
pharmacodynamics/ *BLOOD PRESSURE, drug
effects/ CATS/ CEREBRAL VENTRICLES/
DISULFIDES, pharmacodynamics/ *DOPA,
pharmacodynamics/ DOPA DECARBOXYLASE,
antagonists & inhibitors/ DOPAMINE BETA
HYDROXYLASE, antagonists & inhibitors/
FEMALE/ IMIDAZOLES, pharmacodynamics/
MALE/ *METHYLDOPA, pharmacodynamics/
METHYLDOPA HYDRAZINE,
pharmacodynamics/ PERFUSION/
PHENTOLAMINE, pharmacodynamics/
PYRIMIDINES, pharmacodynamics/ SPIRO
COMPOUNDS, pharmacodynamics/
SULFHYDRYL COMPOUNDS,
pharmacodynamics/ TIME FACTORS

3931. Tormey DC, Bergevin P, Blom J, et al: Preliminary
trials with a combination of adriamycin (NSC-123127)
and bleomycin (NSC-125066) in adult malignancies.

Cancer Chemother Rep 57:413-8, Nov-Dec 73
ADENOCARCINOMA, drug therapy/ ADRENAL
GLAND NEOPLASMS, drug therapy/
ADRIAMYCIN, adverse effects/
*ADRIAMYCIN, therapeutic use/ ADULT/
BLADDER NEOPLASMS, drug therapy/
BLEOMYCIN, adverse effects/ *BLEOMYCIN,
therapeutic use/ BLOOD PLATELETS/
CARCINOMA, BRONCHIOLAR, drug therapy/
CARCINOMA, EPIDERMAL, drug therapy/
CARCINOMA, TRANSITIONAL CELL, drug
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THERAPY, COMBINATION/ HEPATOMA, drug
therapy/ HUMAN/ LEUKOCYTE COUNT/
LIVER NEOPLASMS, drug therapy/ LUNG
NEOPLASMS, drug therapy/ NEOPLASM
METASTASIS/ NEOPLASMS, blood/
NEOPLASMS, drug therapy

3932. Torresani J: Insolubilized antithyroglobulin antibodies:
properties and interest in the study of thyroglobulin.

J Immunol Methods 3:35-52, Aug 73
ADSORPTION/ AMMONIUM SULFATE/
ANIMAL EXPERIMENTS/ *ANTIBODIES/
ANTIBODY SPECIFICITY/ CARBON
ISOTOPES/ CHLORELLA/
CHROMATOGRAPHY, DEAE-CELLULOSE/
CYANOGEN BROMIDE/ FUNGAL PROTEINS/
GAMMA GLOBULIN, 19S/ HUMAN/ IMMUNE
SERUMS/ IMMUNOELECTROPHORESIS/
IODINE ISOTOPES/ PRECIPITIN TESTS/
RABBITS, immunology/

RADIOIMMUNOASSAY/ SERUM ALBUMIN/
SERUM ALBUMIN, BOVINE/ *SOLUBILITY/
SPECTROPHOTOMETRY/ THIOCYANATES/
*THYROGLOBULIN/ THYROGLOBULIN,
analysis/ ULTRACENTRIFUGATION

3933. Torresani J, Chabaud O, Ronin C, et al:
Immunochemical characterization of
thyroglobulin-related components synthesized in
cell-free systems.

Biochim Biophys Acta 322:421-36, 18 Oct 73
ADSORPTION/ AMINO ACIDS/ ANIMAL
EXPERIMENTS/ ANTIBODIES/ CARBON
RADIOISOTOPES/ CELL FRACTIONATION/
CELL-FREE SYSTEM/ CENTRIFUGATION,
DENSITY GRADIENT/ COMPARATIVE
STUDY/ DEOXYCHOLIC ACID/ DIGITONIN/
GOATS, immunology/ GOLGI APPARATUS,
metabolism/ MICROSOMES, metabolism/
MONOSACCHARIDES/ POLYRIBOSOMES,
metabolism/ PRECIPITIN TESTS/
PUROMYCIN, pharmacodynamics/ RABBITS,
immunology/ RIBOSOMES, drug effects/
SHEEP/ SOLUBILITY/ THYROGLOBULIN,
analysis/ *THYROGLOBULIN, biosynthesis/
THYROID GLAND, cytology/ *THYROID
GLAND, metabolism

3934. Torresani J, Gorbman A, Lachiver F, et al:
Immunological cross-reactivity between
thyroglobulins of mammals and reptiles.

Gen Comp Endocrinol 21:530-5, Dec 73
ANIMAL EXPERIMENTS/
ANTIGEN-ANTIBODY REACTIONS/ *CROSS
REACTIONS/ DUCKS/ HORSES/
*IMMUNOASSAY/ *MAMMALS/ PRECIPITIN
TESTS/ RABBITS/ *REPTILES/ SHEEP/
SNAKES/ SWINE/ *THYROGLOBULIN,
analysis

3935. Tóth F, Fehér L, Herberth J: Histochemical and
hormonal aspects of testicular feminization.

Endokrinologie 81:355-64, Jun 73
ADULT/ ALKALINE PHOSPHATASE, analysis/
FEMALE/ HUMAN/ LACTATE
DEHYDROGENASE, analysis/ LEYDIG CELLS/
MALE/ SPERMATOZOA/ TESTICULAR
FEMINIZATION, diagnosis/ *TESTICULAR
FEMINIZATION, pathology/ TESTICULAR
FEMINIZATION, surgery/ *TESTIS,
enzymology/ TESTIS, pathology

3936. Tougaard L: The degree of mineralization in bone
tissue. The phosphorus-hydroxyproline ratio
determined on small amounts of bone tissue.

Scand J Clin Lab Invest 32:351-5, Dec 73
AGED/ BIOPSY, NEEDLE/ *BONE AND
BONES, analysis/ BONE AND BONES,
pathology/ FEMALE/ HIP, pathology/
HUMAN/ *HYDROXYPROLINE, analysis/
MALE/ MIDDLE AGE/ *PHOSPHORUS,
analysis/ SEX FACTORS/
SPECTROPHOTOMETRY

3937. Toyoda Y, Chang MC: Capacitation of epididymal
spermatozoa in a medium with high K-Na ratio and
cyclic AMP for the fertilization of rat eggs in vitro.

J Reprod Fertil 38:125-34, Jan 74
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, pharmacodynamics/
ANIMAL EXPERIMENTS/ CULTURE MEDIA/
EPIDIDYMIS/ FEMALE/ *FERTILIZATION,
drug effects/ IN VITRO/ MALE/
*POTASSIUM, pharmacodynamics/ RATS/
*SODIUM, pharmacodynamics/ *SPERM
CAPACITATION, drug effects/ TIME
FACTORS

3938. Toyoshima K: [Oncogenicity of avian sarcoma viruses
(author's transl)]

Protein Nucleic Acid Enzyme (Tokyo) 18:1076-84, Dec
73 (49 ref.) (Jap)
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
metabolism/ CELL MEMBRANE, analysis/
CELL TRANSFORMATION, NEOPLASTIC/
CHICK EMBRYO/ GENETICS, MICROBIAL/
MODELS, BIOLOGICAL/ MUTATION/
*NEOPLASMS, EXPERIMENTAL, etiology/
NEOPLASMS, EXPERIMENTAL, metabolism/
NEOPLASMS, EXPERIMENTAL, microbiology/

AUTHOR SECTION

- REVIEW/ RNA, VIRAL, analysis/ *ROUS
SARCOMA VIRUS/ ROUS SARCOMA VIRUS,
analysis/ SARCOMA, EXPERIMENTAL,
etiology/ TEMPERATURE
3939. Traverso G, Pirillo D, Villa A: Synthesis of (plus or minus)-9-deoxy-11-dehydro-13,14-dihydro-15-R,S-prostaglandin. *Farmacol [Sci]* 28:1040-2, Dec 73
METHYL ETHERS/ *PROSTAGLANDINS,
chem synthesis
3940. Trča S: Jakých antikoncepčních metod se používá v CS. *Cesk Zdrav* 21:515-8, Dec 73 (Cze)
ADOLESCENCE/ ADULT/ *CONTRACEPTION/
CONTRACEPTIVES, ORAL/
CZECHOSLOVAKIA/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ INTRAUTERINE
DEVICES/ MIDDLE AGE
3941. Tredway DR, Mishell DR Jr, Moyer DL: Correlation of endometrial dating with luteinizing hormone peak. *Am J Obstet Gynecol* 117:1030-3, 15 Dec 73
ADULT/ BIOPSY/ *ENDOMETRIUM, anatomy
& histology/ FEMALE/ HUMAN/ LH, blood/
*LH, secretion/ MENSTRUATION/
*OVULATION/ PREGNANEDIOL, secretion/
PREGNANEDIOL, urine/
RADIOIMMUNOASSAY/ TIME FACTORS
3942. Trenholme GM: Letter: Digitalis: digoxin availability, toxicity. *Ann Intern Med* 79:908-9, Dec 73
*DIGITALIS GLYCOSIDES, therapeutic use/
DIGOXIN, blood/ *DIGOXIN, metabolism/
HUMAN/ *THYROID DISEASES, metabolism
3943. Treves C, Treves G, Mondani PL: Lineamenti di osteologia propedeutica all'implanto-protesi endosseale. *Dent Cadmos* 41:1023-36 contd, Jul 73 (Ita)
BONE AND BONES, cytology/ DENTAL
IMPLANTATION/ SPECIAL LIST DENTAL
3944. Treves S, McNeil BJ: Skeletal scintigraphy. I. *Postgrad Med* 54:104-9, Dec 73
AGE FACTORS/ BONE AND BONES, blood
supply/ BONE AND BONES, metabolism/
*BONE DISEASES, diagnosis/ *BONE
NEOPLASMS, diagnosis/ BONE NEOPLASMS,
radiotherapy/ CALCIFICATION,
PHYSIOLOGIC/ FLUORINE, diagnostic use/
FRACTURES, diagnosis/ HUMAN/ INFECTION,
diagnosis/ NECROSIS, complications/
NEOPLASM METASTASIS/ OSTEITIS,
diagnosis/ *RADIOISOTOPE SCANNING/
RADIOISOTOPES, diagnostic use/ REGIONAL
BLOOD FLOW/ SCLEROSIS, complications/
STRONTIUM RADIOISOTOPES/ TECHNETIUM,
diagnostic use/ TIME FACTORS/ WHOLE
BODY COUNTERS
3945. Tribble RL, Sorensen AM Jr, Woodward TL, et al: Serum progestins and luteinizing hormone levels in non-suckled primiparous heifers. *Nature* 246:494-5, 21 Dec 73
ANIMAL EXPERIMENTS/ BREAST FEEDING/
*CATTLE/ ESTRUS/ FEMALE/ *LH, blood/
*PARITY/ PREGNANCY/ *PREGNENEDIONES,
blood/ *PROGESTERONE, blood/
*PUERPERIUM/ TIME FACTORS
3946. Trimarchi I, Muanò F, Mobilia G, et al: Vantaggi della metodica automatica sulla manuale nella determinazione routinaria dello iodio-proteico sierico (pbi). *Quad Sclavo Diagn* 8:1022-9, Dec 72 (Ita)
AUTOANALYSIS/ ENGLISH ABSTRACT/
GOITER, diagnosis/ HUMAN/ METHODS/
*PROTEIN-BOUND IODINE TEST/ *THYROID
DISEASES, diagnosis
3947. Trinkie JK, Furman RW, Hinshaw MA, et al: Pulmonary contusion. Pathogenesis and effect of various resuscitative measures. *Ann Thorac Surg* 18:568-73, Dec 73
ANIMAL EXPERIMENTS/ BODY WEIGHT/
CENTRAL VENOUS PRESSURE/
CONTUSIONS, drug therapy/ *CONTUSIONS,
etiology/ CONTUSIONS, physiopathology/
CONTUSIONS, therapy/ DEXAMETHASONE,
therapeutic use/ DEXTRAN, therapeutic use/
DOGS/ FUROSEMIDE, therapeutic use/
- ISOTONIC SOLUTIONS/ *LUNG, injuries/
OXYGEN, blood/ POSITIVE-PRESSURE
RESPIRATION/ RESPIRATION
3948. Trolse GD, Lustig ES de, Schajowicz F, et al: Mitosis in tissue cultures of human giant cell tumors of bone. *Oncology* 28:193-203, 1973
*BONE AND BONES, pathology/ *BONE
NEOPLASMS, pathology/ CELL FUSION/
*CHONDROBLASTOMA, pathology/ *GIANT
CELL TUMORS, pathology/ HUMAN/
*MITOSIS/ TISSUE CULTURE
3949. Trotta PP, Pinkus LM, Haschemeyer RH, et al: Reversible dissociation of the monomer of glutamine-dependent carbamyl phosphate synthetase into catalytically active heavy and light subunits. *J Biol Chem* 249:492-9, 25 Jan 74
ADENOSINE TRIPHOSPHATASE, metabolism/
ALLOSTERIC REGULATION/ AMINO ACIDS,
analysis/ AMMONIA, pharmacodynamics/
BINDING SITES/ CARBAMATES/ CARBON
RADIOISOTOPES/ CATALYSIS/ ENZYME
ACTIVATION/ *ESCHERICHIA COLI,
enzymology/ GEL FILTRATION/
GLUTAMINASE, metabolism/ GLUTAMINE/
MACROMOLECULAR SYSTEMS/
NUCLEOTIDES, pharmacodynamics/
ORNITHINE, pharmacodynamics/
PHOSPHOTRANSFERASES, ATP, analysis/
*PHOSPHOTRANSFERASES, ATP, isolation &
purification/ PHOSPHOTRANSFERASES, ATP,
metabolism/ POTASSIUM/ THIOCYANATES/
ULTRACENTRIFUGATION
3950. Trousil EB, Campbell LL: Amino acid sequence of cytochrome c3 from *Desulfovibrio vulgaris*. *J Biol Chem* 249:386-93, 25 Jan 74
AMINO ACID SEQUENCE/ *AMINO ACIDS,
analysis/ APOPROTEINS, analysis/ BINDING
SITES/ CHEMISTRY/ CHROMATOGRAPHY,
PAPER/ CHYMOTRYPSIN/ CYSTEINE,
analysis/ *CYTOCHROME C, analysis/
*DESULFOVIBRIO, analysis/ GEL
FILTRATION/ HEME, analysis/ HISTIDINE,
analysis/ PEPTIDE FRAGMENTS, analysis/
PEPTIDES, analysis/ THIOCYANATES/
TRYPSIN
3951. Truelove SC: Proceedings: Medical aspects of ulcerative colitis in childhood. *Proc R Soc Med* 66:1032-4, Oct 73
ADOLESCENCE/ CHILD/ COLECTOMY/
*COLITIS, ULCERATIVE/ COLITIS,
ULCERATIVE, complications/ COLITIS,
ULCERATIVE, drug therapy/ HUMAN/
HYDROCORTISONE, therapeutic use/ MALE/
NEOPLASMS, etiology/ PREDNISOLONE,
therapeutic use/
SALICYLAZOSULFAPYRIDINE, therapeutic
use/ TETRACYCLINE, therapeutic use
3952. Trzenschik U, Przyborowski R, Hackensellner HA, et al: Experimentelle Untersuchungen zur Entkernung von Transplantationsmaterial. *Zentralbl Chir* 98:1152-9, 10 Aug 73 (Ger)
ALCOHOL, ETHYL/ ANTI-INFECTIVE
AGENTS/ BACILLUS SUBTILIS, isolation &
purification/ BONE AND BONES,
microbiology/ CANDIDA ALBICANS, isolation
& purification/ COLD/ ESCHERICHIA COLI,
isolation & purification/ ETHYLENE OXIDE/
HUMAN/ LACTONES/ METHODS/
PROPIONATES/ STAPHYLOCOCCUS, isolation
& purification/ *STERILIZATION/
STREPTOCOCCUS, isolation & purification/
*TISSUE PRESERVATION/
*TRANSPLANTATION
3953. Tsai HC, Norman AW: Studies on the mode of action of calciferol. VI. Effect of 1,25-dihydroxy-vitamin D3 on RNA synthesis in the intestinal mucosa. *Biochem Biophys Res Commun* 54:622-7, 18 Sep 73
ANIMAL EXPERIMENTS/ CHICKENS/
CHROMATIN, drug effects/ CHROMATIN,
metabolism/ DACTINOMYCIN,
pharmacodynamics/
DIHYDROXYCHOLECALCIFEROLS,
pharmacodynamics/
*HYDROXYCHOLECALCIFEROL,

AUTHOR SECTION

- pharmacodynamics/ INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, metabolism/ *INTESTINE, SMALL, metabolism/ ISOTOPE LABELING/ *RNA, biosynthesis/ TIME FACTORS/ TRITIUM/ URIDINE, metabolism/ VITAMIN D DEFICIENCY
3954. Tschudy DP: Enzyme aspects of acute intermittent porphyria. *Mol Cell Biochem* 2:63-70, 15 Nov 73
ACUTE DISEASE/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ AMINOLEVULINIC ACID DEHYDRATASE, metabolism/ AMINOLEVULINIC ACID SYNTHETASE, metabolism/ AMMONIA-LYASES, metabolism/ BINDING SITES/ CARBOXY-LYASES, metabolism/ DIETARY CARBOHYDRATES/ ERYTHROCYTES, enzymology/ GLUCOSE/ HUMAN/ KINETICS/ LIVER, enzymology/ MATHEMATICS/ PORPHOBILINOGEN/ *PORPHYRIA, enzymology/ PORPHYRINS, biosynthesis/ PROTEIN BINDING/ TIME FACTORS
3955. Tseng YZ, Chen FW, Lee EF: [Hypertthyroidism coexisting with thyroid cancer: report of 3 cases] *J Formosan Med Assoc* 72:356-66, Jun 73 (Chl)
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, pathology/ MALE/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology
3956. Tso SC, Chan TK: Paroxysmal nocturnal haemoglobinuria and chronic myeloid leukaemia in the same patient. *Scand J Haematol* 10:384-9, 1973
BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD TRANSFUSION/ BONE MARROW CELLS/ BUSULFAN, therapeutic use/ HEMATOCRIT/ HEMOGLOBIN/ HEMOGLOBINURIA, PAROXYSMAL, blood/ *HEMOGLOBINURIA, PAROXYSMAL, complications/ HEMOGLOBINURIA, PAROXYSMAL, drug therapy/ HEMOSIDERIN, urine/ HUMAN/ LEUKEMIA, MYELOCYTIC, blood/ *LEUKEMIA, MYELOCYTIC, complications/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RETICULOCYTES/ TIME FACTORS
3957. Tsuboi M, Yanagishima N: Effect of cyclic AMP, theophylline and caffeine on the glucose repression of sporulation in *Saccharomyces cerevisiae*. *Arch Mikrobiol* 93:1-12, 4 Oct 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *CAFFEINE, pharmacodynamics/ CULTURE MEDIA/ DRUG SYNERGISM/ GLUCOSE, analysis/ *GLUCOSE, antagonists & inhibitors/ GLUCOSE, pharmacodynamics/ *REPRODUCTION, drug effects/ *SACCHAROMYCES CEREVISIAE, drug effects/ SACCHAROMYCES CEREVISIAE, growth & development/ SPECTROPHOTOMETRY/ *SPORES, FUNGAL, drug effects/ *THEOPHYLLINE, pharmacodynamics/ TIME FACTORS
3958. Tsujimura T, Matsumoto K: Progesterone metabolism in vitro by mouse testes at different stages of development. *Endocrinology* 91:288-90, Jan 74
AGING/ ANDROSTANES, metabolism/ ANDROSTENEDIONE, metabolism/ ANDROSTERONE, metabolism/ ANIMAL EXPERIMENTS/ HYDROXYSTEROIDS, metabolism/ MALE/ MICE/ PREGNANEDIONES, metabolism/ PREGNENEDIONES, metabolism/ *PROGESTERONE, metabolism/ TESTIS, growth & development/ *TESTIS, metabolism/ TESTOSTERONE, metabolism/ TRITIUM
3959. Tu JC, Malhotra SK: Histochemical localization of adenyl cyclase in the fungus *Phycomyces blakesleeana*. *J Histochem Cytochem* 21:1041-6, Dec 73
- *ADENYL CYCLASE, analysis/ ANIMAL EXPERIMENTS/ CELL DIVISION/ CELL MEMBRANE, enzymology/ COMPARATIVE STUDY/ FLUORIDES, pharmacodynamics/ HISTOCYTOCHEMISTRY/ LEAD/ LIVER, cytology/ LIVER, enzymology/ MEMBRANES, enzymology/ MICE/ MITOCHONDRIA, enzymology/ PHYCOMYCETES, cytology/ PHYCOMYCETES, drug effects/ *PHYCOMYCETES, enzymology/ PYROPHOSPHATES/ SPECIES SPECIFICITY/ SPORES, FUNGAL, enzymology/ STAINS AND STAINING/ TIME FACTORS
3960. Tugal VA, Kurs'kii MD, Fedoriv OM: Vplyv serotoninu na transport Ca^{2+} v mitokondriakh, sprizhenyi z funktsionuvanniam dykhal'noho lantsiua. *Ukr Blokhim Zh* 45:408-12, Jul-Aug 73 (Ukr)
ADENOSINE TRIPHOSPHATE, biosynthesis/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, metabolism/ *BRAIN CHEMISTRY/ *CALCIUM, metabolism/ CALCIUM ISOTOPES/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ *MITOCHONDRIA, metabolism/ *OXYGEN CONSUMPTION/ POLAROGRAPHY/ RABBITS/ SEROTONIN, pharmacodynamics
3961. Tuichinsky D, Hobel CJ: Plasma human chorionic gonadotropin, estrone, estradiol, estril, progesterone, and 17 alpha-hydroxyprogesterone in human pregnancy. 3. Early normal pregnancy. *Am J Obstet Gynecol* 117:884-93, 1 Dec 73
*ESTRADIOL, blood/ *ESTRIOL, blood/ *ESTRONE, blood/ FEMALE/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *HYDROXYPROGESTERONE, blood/ *PREGNANCY/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ REGRESSION ANALYSIS
3962. Tunbridge D, Rippon AE, James VH: Proceedings: Circadian relationships of plasma androgen and cortisol levels. *J Endocrinol* 59:xxi, Nov 73
*ANDROGENS, blood/ ANDROSTENEDIONE, blood/ *CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ SEX FACTORS/ TESTOSTERONE, blood
3963. Tuomisto J, Tuomisto L, Smissman EE: Conformation study of the inhibition of monoamine uptake in rat brain synaptosomes. *Ann Med Exp Biol Fenn* 51:51-8, 1973
AMPHETAMINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN STEM, metabolism/ *DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ IMIPRAMINE, pharmacodynamics/ IN VITRO/ ISOMERISM/ MALE/ MOLECULAR CONFORMATION/ *NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ *SYNAPTOSOMES, metabolism/ TRANYLCYPROMINE, pharmacodynamics/ TRITIUM
3964. Turakulov IaKh, L'vovich NA, Mikrokhhmedov AK, et al: Issledovanie vzaimodeistviia tireoidnykh gormonov s mitokondriami, lisbennymi fosfolipidov. *Tsitologiya* 15:465-7, Apr 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ IODINE RADIOISOTOPES/ MALE/ *MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ *PHOSPHOLIPIDS, physiology/ RATS/ THYROXINE, metabolism/ *THYROXINE, pharmacodynamics
3965. Turakulov IaKh, Saatov T, Makhmudov VKh: Izuchenie iodamlnokislotoznogo sostava nativnogo i iodorovannogo in vitro tireoglobulina v norme i pri tireoidnoi patologii. *Probl Endokrinol (Mosk)* 19:99-103, Nov-Dec 73 (Rus)
*AMINO ACIDS, analysis/ DIIODOTYROSINE, metabolism/ ENGLISH ABSTRACT/ *GOITER, NODULAR, metabolism/ HUMAN/ IN VITRO/ *IODINE, analysis/ THYROGLOBULIN, analysis/ *THYROGLOBULIN, metabolism/

AUTHOR SECTION

- *THYROID GLAND, metabolism/ THYROXINE, metabolism
3966. Turlapaty P, Shibata S, Norton TR, et al: Effects of a central stimulant substance isolated from the sea anemone *Stolchactis kentii* on brain monoamines of the mouse. *Eur J Pharmacol* 24:359-65, Dec 73
AGGRESSION, drug effects/ ANIMAL EXPERIMENTS/ BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ CEREBRAL CORTEX, metabolism/ *COELENTERATA/ DOPAMINE, analysis/ *DOPAMINE, analysis/ MALE/ MICE/ MOTOR ACTIVITY, drug effects/ *NOREPINEPHRINE, analysis/ NOREPINEPHRINE, antagonists & inhibitors/ *NORMETANEPHRINE, analysis/ NORMETANEPHRINE, metabolism/ PEPTIDES, pharmacodynamics/ *SEROTONIN, analysis/ SEROTONIN, antagonists & inhibitors/ TIME FACTORS/ TISSUE EXTRACTS, pharmacodynamics/ TRITIUM
3967. Turnell RW, Burton AF: Studies on the mechanism of resistance to lymphocytolysis induced by corticosteroids. *Cancer Res* 34:39-42, Jan 74
ANIMAL EXPERIMENTS/ CARNITINE, pharmacodynamics/ CELL LINE/ *CELL NUCLEUS, drug effects/ DRUG RESISTANCE/ *FATTY ACIDS, NONESTERIFIED, metabolism/ GLUCOSE, metabolism/ *HYDROCORTISONE, pharmacodynamics/ LEUCINE, metabolism/ LEUKEMIA, EXPERIMENTAL, metabolism/ *LEUKEMIA L1210, metabolism/ *LEUKEMIA, LYMPHOCYTIC, metabolism/ *LYMPHOSARCOMA, metabolism/ MICE/ OXIDATION-REDUCTION/ SARCOMA, EXPERIMENTAL, metabolism/ THYMIDINE, metabolism/ THYMUS GLAND, cytology/ URIDINE, metabolism
3968. Turner TB, Hardy PH Jr, Newman B, et al: Effects of passive immunization on experimental syphilis in the rabbit. *Johns Hopkins Med J* 133:241-51, Nov 73
ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ IMMUNE SERUMS, administration & dosage/ *IMMUNITY, PASSIVE/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ MALE/ ORCHITIS, immunology/ *PASSIVE TRANSFER/ RABBITS, immunology/ SKIN, immunology/ *SYPHILIS, immunology/ SYPHILIS, prevention & control/ TESTIS, immunology/ TREPONEMA PALLIDUM, immunology
3969. Turpaev TM, Rakić L, Manukhin BN, et al: Monoaminy v elektricheskom organe i tsentral'noi nervnoi sisteme skata Torpedo marmorata. *Zh Evol Biokhim Fiziol* 9:205-6, Mar-Apr 73 (Rus)
ANIMAL EXPERIMENTS/ *BIOGENIC AMINES, analysis/ *BRAIN CHEMISTRY/ CHOLINESTERASE, analysis/ *ELECTRIC ORGAN, analysis/ ENGLISH ABSTRACT/ EPINEPHRINE, analysis/ *FISHES/ MUSCLES, analysis/ NOREPINEPHRINE, analysis/ SEROTONIN, analysis
3970. Turton MB, Deegan T: Central and peripheral levels of plasma catecholamines, cortisol, insulin and non-esterified fatty acids. *Clin Chim Acta* 48:347-52, 15 Nov 73
CHROMATOGRAPHY, ION EXCHANGE/ COMPARATIVE STUDY/ *EPINEPHRINE, blood/ *FATTY ACIDS, NONESTERIFIED, blood/ HEART ATRIUM/ HEART CATHETERIZATION/ HUMAN/ *HYDROCORTISONE, blood/ *INSULIN, blood/ *NOREPINEPHRINE, blood/ ORGAN SPECIFICITY/ PULMONARY ARTERY/ SPECTROMETRY, FLUORESCENCE/ STRESS/ VEINS/ VENA CAVA, SUPERIOR
3971. Tweedle D, Walton C, Johnston ID: The effect of an anabolic steroid on postoperative nitrogen balance. *Br J Clin Pract* 27:130-2, Apr 73
HUMAN/ MALE/ *NANDROLONE, pharmacodynamics/ *NITROGEN, metabolism/
- *POSTOPERATIVE CARE/ PYLORUS, surgery/ TIME FACTORS/ VAGOTOMY
3972. Tyler JP, Hennam JF, Newton JR, et al: Radioimmunoassay of plasma testosterone without chromatography: a comparison of four antisera, and the evaluation of a novel approach to liquid scintillation counting. *Steroids* 22:871-89, Dec 73
AMMONIUM SULFATE/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ HYPOGONADISM, blood/ IMMUNE SERUMS/ MALE/ METHODS/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ *TESTOSTERONE, blood/ TIME FACTORS/ TRITIUM
- ## U
3973. Uchida K: Production of estrogen in rat placenta studied by electron microscope autoradiography and biochemical analysis. *Arch Histol Jap* 36:57-71, Sep 73
ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ CHROMATOGRAPHY, THIN LAYER/ ENDOPLASMIC RETICULUM, metabolism/ ESTRADIOL, biosynthesis/ ESTRIOL, biosynthesis/ *ESTROGENS, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ HISTOCYTOCHEMISTRY/ MICROSCOPY, ELECTRON/ MICROSOMES, enzymology/ *PLACENTA, metabolism/ PREGNANCY/ RATS/ TESTOSTERONE, metabolism/ TRITIUM
3974. Ueberholz FK: Neuralgie nach Zoster. *Dtsch Med Wochenschr* 98:2098, 2 Nov 73 (Ger)
*HERPES ZOSTER, complications/ HUMAN/ *NEURALGIA, etiology/ NEURALGIA, prevention & control/ TRIAMCINOLONE ACETONIDE, therapeutic use
3975. Ueda Y, Ogura Y, Sakai O, et al: [Problems in Bartter's syndrome-with special reference to clinical experience and renal tissue photomicrography] *Jap J Clin Med* 31:2818-28, Sep 73 (Jap)
ADULT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, etiology/ *HYPERALDOSTERONISM, pathology/ *KIDNEY, pathology/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE
3976. Ueno K, Yamamoto N, Kitaura Y: [The 49th clinicopathological conference of Osaka-Kobe hospitals. A case of a 15-year-old male with chief complaints of pyrexia, cough, and shortness of breath during exertion; a pulmonary tumor-like finding at the hilar region in anterior and posterior thoracic radiography; and the existence of abnormal cells in peripheral blood and bone marrow cell specimens] *Jap J Clin Med* 31:2868-77, Sep 73 (Jap)
ADOLESCENCE/ CASE REPORT/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, complications/ LEUKEMIA, LYMPHOBLASTIC, pathology/ MALE/ *THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, pathology
3977. Uglitskiikh VI: Opredelenie tonusa simpatiko-adrenalovoi sistemy metodom kodeinovogo elektroforeza pri sosudistyk zabolevaniakh golovogo mozga. *Vrach Delo* 8:85-6, Aug 73 (Rus)
*ADRENAL GLANDS, physopathology/ *CEREBROVASCULAR DISORDERS, physopathology/ *CODEINE, diagnostic use/ HUMAN/ IONTOPHORESIS/ METHODS/ *SYMPATHETIC NERVOUS SYSTEM, physopathology
3978. Ugriumov MV: Elektronnomikroskopicheskoe issledovanie krupnykh rashirenii neirosekreternykh volokon (tel Gerringa) v zadnei dole glipofiza intaktnykh krys. *Arkh Anat Histol Embriol* 64:73-9, May 73 (Rus)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ *NEUROSECRETORY SYSTEMS, cytology/ *PITUITARY GLAND, POSTERIOR, cytology/ RATS
3979. Uhlir M, Dráč P, Pilka L: Indikace k léčbě Clomidem.

AUTHOR SECTION

- Cesk Gynekol 38:825, Sep 73 (Cze)
 *CLOMIPHENE, therapeutic use/ FEMALE/
 HUMAN/ PREGNANCY/ STERILITY,
 FEMALE, drug therapy
3980. Ul N: Neutral and amino sugar composition of thyroglobulin. Comparison of the compositions of different fractions of hog thyroglobulin and of thyroglobulins from various animal species.
 J Biochem (Tokyo) 74:593-9, Sep 73
 *AMINO SUGARS, analysis/ ANIMAL EXPERIMENTS/ *CARBOHYDRATES, analysis/ CETACEA, metabolism/ CHICKENS, metabolism/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPARATIVE STUDY/ HUMAN/ MONKEYS, metabolism/ SWINE, metabolism/ *THYROGLOBULIN, analysis/ XENOPUS, metabolism
3981. Ulto VJ, Ranta R: Letter: Effect of a glucocorticoid compound and calcium hydroxide on collagen synthesis in human dental pulp. A preliminary report.
 Proc Finn Dent Soc 69:116, Jun 73
 BICUSPID/ *CALCIUM HYDROXIDE, pharmacodynamics/ CARBON RADIOISOTOPES/ COLLAGEN, biosynthesis/ COMPARATIVE STUDY/ *DENTAL PULP, drug effects/ DEPRESSION, CHEMICAL/ *GLUCOCORTICIDS, TOPICAL, pharmacodynamics/ HUMAN/ LATERALITY/ PROTEINS, biosynthesis
3982. Ullman JS, Lima-de-Faria A, Jaworska H, et al: Amplification of ribosomal DNA in Acheia. V. Hybridization of RNA complementary to ribosomal DNA with pachytene chromosomes.
 Hereditas 74:13-24, 1973
 ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CENTRIFUGATION, DENSITY GRADIENT/ *CHROMOSOMES/ *DNA, analysis/ ESCHERICHIA COLI, metabolism/ FORMAMIDE/ INSECTS/ MALE/ NUCLEIC ACID HYBRIDIZATION/ OVUM, cytology/ *RIBOSOMES, analysis/ *RNA/ RNA POLYMERASE, metabolism/ TEMPLATES/ TESTIS/ TRANSCRIPTION, GENETIC/ TRITIUM
3983. Ulrych J, Cernoch A: Progesteron při uvolnění pánevního pletence v těhotenství.
 Česk Gynekol 38:855-6, Nov 73 (Cze)
 BONE DISEASES, drug therapy/ FEMALE/ HUMAN/ *PELVIC BONES/ PREGNANCY/ *PREGNANCY COMPLICATIONS, drug therapy/ *PROGESTERONE, therapeutic use
3984. Ulvund MJ: Virus og mammacancer. En oversikt.
 Nord Vet Med 25:451-63, Sep 73 (71 ref.) (Nor)
 AGE FACTORS/ ANIMAL EXPERIMENTS/ BREAST FEEDING/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, familial & genetic/ DNA NUCLEOTIDYL-TRANSFERASES/ *DOG DISEASES, etiology/ DOGS/ ENGLISH ABSTRACT/ ESTROGENS/ FEMALE/ HUMAN/ MALE/ MAMMAE/ *MAMMARY CANCER VIRUS/ *MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, familial & genetic/ MICE/ *MILK, microbiology/ NEOPLASMS, familial & genetic/ *NEOPLASMS, veterinary/ PROGESTERONE, pharmacodynamics/ REVIEW
3985. Umamoto K, Hozumi K: [Mode of crystal growth of calcium oxalate in life cycle of willow leaf (author's transl)]
 J Pharm Soc Jap 93:1069-83, Aug 73 (Jap)
 *CALCIUM, metabolism/ CRYSTALLIZATION/ ENGLISH ABSTRACT/ *OXALATES, metabolism/ TREES
3986. Umunna RC: Thyroid crisis complicating thyrotoxicosis. Niger Nurse 5:9-11, Jul-Sep 73
 HYPERTHYROIDISM, surgery/ POSTOPERATIVE COMPLICATIONS, nursing/ SPECIAL LIST NURSING/ SURGICAL NURSING/ THYROID CRISIS, nursing/ THYROIDECTOMY
3987. Unbehaun V: Aminopeptidasen, Aminosäurearylamidasen und Neuraminidase als Bestandteile eines Systems kataholer Enzyme im Corpus luteum.
 Fortschr Geburtshilfe Gynaekol 50:101-71, 1973 (148 ref.) (Ger)
 *AMINO ACID NAPHTHYLAMIDASES, analysis/ AMINO ACID NAPHTHYLAMIDASES, isolation & purification/ AMINOPEPTIDASES, analysis/ ANILIDES/ ANIMAL EXPERIMENTS/ CELL FRACTIONATION/ CHROMATOGRAPHY, ION EXCHANGE/ CORPUS LUTEUM, cytology/ *CORPUS LUTEUM, enzymology/ CYTOPLASM, enzymology/ ENZYME ACTIVATION/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *LEUCINE AMINOPEPTIDASE, analysis/ LEUCINE AMINOPEPTIDASE, isolation & purification/ MAGNESIUM/ MANGANESE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *NEURAMINIDASE, analysis/ NITRO COMPOUNDS/ OVARY, enzymology/ PROTEINS, analysis/ REVIEW/ STATISTICS/ SWINE
3988. Ungaro P: Chemotherapy of multiple myeloma.
 J Ky Med Assoc 71:805-7, Dec 73
 ALLOPURINOL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ MELPHALAN, therapeutic use/ *MULTIPLE MYELOMA, drug therapy/ MYELOMA PROTEINS, analysis/ PREDNISONE, therapeutic use/ PROGNOSIS
3989. Unger G, Schneider HJ, Arndt J: Prophylaktisches Koe obuchenle molochnoi zhelezy dlia predotvrashcheniia ginekomastril pri gormonal'noi terapii hol'nykh rakom predstatel'noi zhelezy.
 Urol Nefrol (Mosk) 38:42-3, Mar-Apr 73 (Rus)
 ALKENES, adverse effects/ ENGLISH ABSTRACT/ *ESTROGENS, adverse effects/ *GYNECOMASTIA, chemically induced/ GYNECOMASTIA, radiotherapy/ HUMAN/ INJECTIONS, SUBCUTANEOUS/ MALE/ *PHENOLS, adverse effects/ *PROSTATIC NEOPLASMS, drug therapy
3990. Unger RH: Pancreatic glucagon in health and disease.
 Adv Intern Med 17:265-88, 1973 (37 ref.)
 AMINO ACIDS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION/ ARGININE, pharmacodynamics/ DEFICIENCY DISEASES, physiopathology/ DIABETES MELLITUS, physiopathology/ FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ GASTROINTESTINAL HORMONES, physiology/ GASTROINTESTINAL HORMONES, secretion/ *GLUCAGON, physiology/ GLUCAGON, secretion/ GLUCOSE, pharmacodynamics/ HUMAN/ HYPERGLYCEMIA, physiopathology/ HYPERPARATHYROIDISM, complications/ INSULIN, physiology/ *ISLANDS OF LANGERHANS, secretion/ ISLET CELL TUMOR, metabolism/ REVIEW/ STIMULATION, CHEMICAL
3991. Ungher J, Sirian S: Influence of stimulation of anterior amygdaloid area upon the cat's reactions to stimuli with different biological significance. Behavioural and EEG data. Rev Roum Neurol 10:419-39, 1973
 *AMYGDALOID BODY, physiology/ ANGER/ ANIMAL EXPERIMENTS/ *BEHAVIOR, ANIMAL/ *BRAIN, physiology/ CATS/ DEFENSE MECHANISMS/ ECHOENCEPHALOGRAPHY/ ELECTRIC STIMULATION/ ESCAPE REACTION/ FEEDING BEHAVIOR/ MOTOR ACTIVITY
3992. Urayama A, Sakai F, Imai Y: [Behçet's disease associated with vascular lesions (Angio-Behçet's syndrome) (authors' transl)]
 Acta Soc Ophthalmol Jap 77:1461-7, Sep 73 (Jap)
 ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANEURYSM, complications/ *BEHCET'S SYNDROME, complications/ BEHCET'S SYNDROME, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *VASCULAR DISEASES, complications

AUTHOR SECTION

3993. Urbanik SJ, Penhale WJ, Irvine WJ: Circulating lymphocyte subpopulations in Hashimoto thyroiditis. *Clin Exp Immunol* 15:345-54, Nov 73
ADULT/ AGE FACTORS/ AGED/
ANTIGEN-ANTIBODY REACTIONS/
AUTORADIOGRAPHY/ ERYTHROCYTES/
FEMALE/ FLUORESCENT ANTIBODY
TECHNIC/ HUMAN/ IMMUNE ADHERENCE
REACTION/ IODINE RADIOISOTOPES/
LEUKOCYTE COUNT/ *LYMPHOCYTES,
immunology/ MIDDLE AGE/ PROTEIN
BINDING/ THYROGLOBULIN/ THYROID
GLAND, cytology/ *THYROIDITIS,
LYMPHOMATOUS, immunology
3994. Urist MR, Iwata H, Ceccotti PL, et al: Bone morphogenesis in implants of insoluble bone gelatin. *Proc Natl Acad Sci USA* 70:3511-5, Dec 73
ANIMAL EXPERIMENTS/ BONE AND BONES,
analysis/ BONE MATRIX, metabolism/ BONE
MATRIX, transplantation/ CHLORIDES/
CLOSTRIDIOPEPTIDASE A, metabolism/
EDTA/ *GELATIN/ GELATIN, isolation &
purification/ GELATIN, metabolism/ HEAT/
HYDROLYSIS/ LITHIUM/ *MORPHOGENESIS/
MUSCLES/ *OSTEOGENESIS/ PEPSIN,
metabolism/ PROTEIN DENATURATION/
RATS/ SODIUM HYDROXIDE/ SOLUBILITY/
TRANSPLANTATION, HOMOLOGOUS/ WATER
3995. Urry RL, Ellis LC: Inhibition of rat testicular monoamine oxidase activity after 250 R of whole-body x-irradiation. *Experientia* 29:1223-5, 15 Oct 73
ANIMAL EXPERIMENTS/ MALE/
MONOAMINE OXIDASE, metabolism/
*MONOAMINE OXIDASE, radiation effects/
ORGAN WEIGHT/ *RADIATION EFFECTS/
RATS/ TESTIS, anatomy & histology/ TESTIS,
enzymology/ *TESTIS, radiation effects/ TIME
FACTORS
3996. Usadel KH, Leuschner U, Schwedes U, et al: Über das Auftreten cholinergischer Nervenfasern in den Tubuluswänden des Hodens bei primärem Hypogonadismus (Klinefelter-Syndrom, Kryptorchismus). *Klin Wochenschr* 51:1016-23, 15 Oct 73 (Ger)
ADOLESCENCE/ ADULT/ BIOPSY/ CHILD/
CHOLINESTERASE, analysis/
*CRYPTORCHISM, pathology/ ENGLISH
ABSTRACT/ ESTERASES, analysis/
HISTOCYTOCHEMISTRY/ HUMAN/
*KLINEFELTER'S SYNDROME, pathology/
MALE/ MICROSCOPY, ELECTRON/ MIDDLE
AGE/ *NERVE FIBERS, MYELINATED/
STAINS AND STAINING/ TESTIS,
enzymology/ *TESTIS, innervation
3997. Uthgenannt H, Schütte D: Das Vorkommen und die Bedeutung von Autoantikörpern bei der Hypothyreose. *Dtsch Med Wochenschr* 99:12-3, 4 Jan 74 (Ger)
*AUTOANTIBODIES, analysis/ COMPLEMENT
FIXATION TESTS/ ENGLISH ABSTRACT/
FOLLOW-UP STUDIES/ HEMAGGLUTINATION
TESTS/ HUMAN/ HYPERTHYROIDISM,
immunology/ HYPOTHYROIDISM, etiology/
*HYPOTHYROIDISM, immunology/
HYPOTHYROIDISM, pathology/
THYROGLOBULIN, antagonists & inhibitors/
THYROIDITIS, immunology
3998. Uzunova AN: Vllianie plavatel'nogo rezhima v shkole na funktsii vnesbnego dykhania u detei. *Vopr Okhr Materin Det* 18:57-8, Aug 73 (Rus)
ADOLESCENCE/ AGE FACTORS/ CHILD/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
LUNG, physiology/ MALE/ PUBERTY/
*RESPIRATION/ *SCHOOL HEALTH/
SPIROMETRY/ *SWIMMING
3999. Vahlensleek W, Beltz L, Weissbach L: Retro- und intraperitoneale Lymphfisteln nach Semikastration und transperitonealer Lymphadenektomie bei Hodentumoren. *Urol Int* 28:453-8, 1973 (Ger)
ADULT/ ANGIOGRAPHY/ *CASTRATION,
adverse effects/ CHYLE/ CYSTS, etiology/
DIAGNOSIS, DIFFERENTIAL/ DRAINAGE/
FISTULA, diagnosis/ *FISTULA, etiology/
FISTULA, surgery/ HUMAN/ *LYMPH NODE
EXCISION, adverse effects/ LYMPHATIC
DISEASES, diagnosis/ *LYMPHATIC
DISEASES, etiology/ LYMPHATIC DISEASES,
surgery/ LYMPHOGRAPHY/ MALE/
PERITONEAL CAVITY/ POSTOPERATIVE
COMPLICATIONS, mortality/
RETROPERITONEAL SPACE/ *TERATOID
TUMOR, surgery/ *TESTICULAR NEOPLASMS,
surgery
4000. Vahlensleek W, Weissbach L: Operative und cytostatische treatment of germinal tumours of the testis. *Int Urol Neprol* 5:85-95, Jan 73
ADOLESCENCE/ ADULT/ ANTINEOPLASTIC
AGENTS, therapeutic use/ CASTRATION/
CHILD/ CHILD, PRESCHOOL/
CHLORAMBUCIL, therapeutic use/ CYCLIC
P-OXIDES, therapeutic use/
CYCLOPHOSPHAMIDE, therapeutic use/
DACTINOMYCIN, therapeutic use/
*DISGERMINOMA, surgery/ DISGERMINOMA,
therapy/ ETHYLAMINES, therapeutic use/
HUMAN/ LYMPH NODE EXCISION/ MALE/
METHOTREXATE, therapeutic use/ MIDDLE
AGE/ NEOPLASM METASTASIS/
*NEOPLASMS, EMBRYONAL AND MIXED,
surgery/ NEOPLASMS, EMBRYONAL AND
MIXED, therapy/ OXAZINES, therapeutic use/
PROGNOSIS/ *TERATOID TUMOR, surgery/
TERATOID TUMOR, therapy/ *TESTICULAR
NEOPLASMS, surgery/ TESTICULAR
NEOPLASMS, therapy
4001. Våla IJ, Dahle R: Hyposensibilisering ved asthma bronchiale. En etterundersøkelse av pasientmateriale. *Tidsskr Nor Lægeforen* 93:1513-5, 10 Aug 73 (Nor)
ADOLESCENCE/ *ADRENAL CORTEX
HORMONES, therapeutic use/ ADULT/ AGE
FACTORS/ ASTHMA, drug therapy/
ASTHMA, therapy/ CHILD/
DESENSITIZATION/ ENGLISH ABSTRACT/
FEMALE/ FOLLOW-UP STUDIES/ HUMAN/
MALE/ MIDDLE AGE/ TIME FACTORS
4002. Valcavi U, Corsi B, Tedeschi S: Mechanism of hydroxylation of steroids. Hydroxylation of 6alpha-methyl-4-pregnene-21-ol-3,20-dione with Mucor griseo-cyanus. *Farmaco [Sci]* 28:873-87, Nov 73
HYDROXYLATION/ *MUCOR, metabolism/
NUCLEAR MAGNETIC RESONANCE/
*PREGNEDIONES, metabolism/
SPECTROPHOTOMETRY, ULTRAVIOLET
4003. Valcavi U, Corsi B, Marotta V, et al: Mechanisms of hydroxylation of steroids. Hydroxylation of 16 beta-methyl-4-pregnene-3,20-dione with Mucor griseo-cyanus. *Farmaco [Sci]* 28:1024-9, Dec 73
CHEMISTRY, ORGANIC/ HYDROXYLATION/
*MUCOR/ *PREGNEDIONES/ *STEROIDS
4004. Vale MG, Carvalho AP: Effects of rubenium red on Ca²⁺ uptake and ATPase of sarcoplasmic reticulum of rabbit skeletal muscle. *Biochim Biophys Acta* 325:29-37, 19 Oct 73
ADENOSINE TRIPHOSPHATASE/
*ADENOSINE TRIPHOSPHATASE, antagonists
& inhibitors/ ADENOSINE TRIPHOSPHATE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BIOLOGICAL TRANSPORT, drug effects/
BIOLOGICAL TRANSPORT, ACTIVE, drug
effects/ *CALCIUM, metabolism/ *DYES,
pharmacodynamics/ ENZYME ACTIVATION/
MAGNESIUM, pharmacodynamics/ OXALATES,
pharmacodynamics/ RABBITS/ *RUTHENIUM,
pharmacodynamics/ *SARCOPLASMIC
RETICULUM, drug effects/ SARCOPLASMIC
RETICULUM, enzymology/ SARCOPLASMIC
RETICULUM, metabolism/
SPECTROPHOTOMETRY, ATOMIC
ABSORPTION
4005. Valk LE: Proceedings: A new possibility to treat superficial eye injuries with an ointment, presenting the advantages, but not the disadvantages of local application of corticosteroids. A double-blind trial in the effect of oxphenbutazone 10 percent eye ointment (Tanderil) as a therapy in superficial eye

AUTHOR SECTION

- injuries. *Ophthalmologica* 187:422-8, 1973
ADULT/ CLINICAL RESEARCH/
EVALUATION STUDIES/ EYE FOREIGN
BODIES/ *EYE INJURIES, drug therapy/
FEMALE/ FOREIGN BODY REACTION, drug
therapy/ GLUCOCORTICOID, TOPICAL,
adverse effects/ GLUCOCORTICOID,
TOPICAL, therapeutic use/ HUMAN/
INFLAMMATION, drug therapy/ MALE/
OINTMENTS/ *OXYPHENBUTAZONE,
administration & dosage/
OXYPHENBUTAZONE, therapeutic use/
PLACEBOS
4006. Valsecchi A, Floresta G, Sironi AM, et al: Attività
enzimatiche del siero e fisiopatologia ostetrica. II. La
fosfatasi alcalina totale del siero (AP) e la sua frazione
termo-stabile di origine placentare (HSAP) nella
gravidanza normale ed in alcune condizioni di
patologia ostetrica.
Minerva Ginecol 25:577-85, Oct 73 (Ita)
ABORTION, THREATENED, enzymology/
ADULT/ *ALKALINE PHOSPHATASE, blood/
ENGLISH ABSTRACT/ *ERYTHROBLASTOSIS,
FETAL, enzymology/ FEMALE/ FETAL
DEATH, enzymology/ HUMAN/ *ISOENZYMES,
blood/ PLACENTA, enzymology/
PREGNANCY/ *PREGNANCY
COMPLICATIONS, enzymology/ PREGNANCY,
PROLONGED/ PREGNANCY TOXEMIAS,
enzymology
4007. Valvassori GE, Putterman AM: Ophthalmological and
radiological findings in sphenoidal mucoceles.
Arch Ophthalmol 90:456-9, Dec 73
COMPARATIVE STUDY/ EXOPHTHALMOS,
etiology/ *EYE DISEASES, etiology/ FEMALE/
HUMAN/ *MUCOCELE/ MUCOCELE,
radiography/ OPTIC ATROPHY, etiology/
*SPHENOID SINUS/ SPHENOID SINUS,
radiography/ TOMOGRAPHY, RADIOGRAPHIC/
VISION DISORDERS, etiology/ VISUAL
FIELDS
4008. Valverde C: Algunos conceptos y observaciones
recientes sobre el control neurohumoral de la
secreción de prolactina en mamíferos.
Rev Invest Clin 25:267-85, Jul-Sep 73 (81 ref.) (Spa)
ANIMAL EXPERIMENTS/ ENGLISH
ABSTRACT/ FEMALE/
HYPOTHALAMO-HYPOPHYSAL SYSTEM,
drug effects/ *HYPOTHALAMUS, physiology/
MALE/ PREGNANCY/ PROLACTIN,
antagonists & inhibitors/ PROLACTIN,
physiology/ *PROLACTIN, secretion/
RADIOIMMUNOASSAY/ RATS/ REVIEW/
STIMULATION, CHEMICAL
4009. Váňa S, Némec J, Zamrazil V, et al: Non-parallel return
of PBI and ankle-jerk time values to normal during
initial high-dose thyrostatic treatment.
Endokrinologie 61:329-33, Jun 73
ACHILLES TENDON/ ADULT/ AGED/
*CARBIMAZOLE, therapeutic use/ FEMALE/
HUMAN/ *HYPERTHYROIDISM, drug therapy/
*IODINE, blood/ MALE/ MIDDLE AGE/
PROTEIN BINDING/ TIME FACTORS
4010. Van Pelt RW, Olson DP, Gallagher KF: Chronic gonitis
in cattle: clinicopathologic findings and treatment.
J Am Vet Med Assoc 163:1378-83, 15 Dec 73
ALKALINE PHOSPHATASE, analysis/
ANIMAL EXPERIMENTS/ ARTHRITIS, drug
therapy/ ARTHRITIS, pathology/ *ARTHRITIS,
veterinary/ ASPARTATE
AMINOTRANSFERASE, analysis/ BLOOD
SUGAR, analysis/ CARTILAGE, ARTICULAR/
CATTLE/ *CATTLE DISEASES/ CATTLE
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HEMATOCRIT/ HINDLIMB/ LACTATE
DEHYDROGENASE, analysis/ LEUKOCYTE
COUNT/ LIGAMENTS, ARTICULAR/ MALE/
PENICILLIN G, PROCAINE, therapeutic use/
PROTEINS, analysis/ RUPTURE,
SPONTANEOUS/ SYNOVIAL FLUID, analysis/
SYNOVIAL FLUID, cytology
4011. Van Cauwenberge H: Le traitement de l'asthme.
Rev Med Liege 28:822-7, 1 Dec 73 (Fre)
ADRENAL CORTEX HORMONES, therapeutic
use/ ADRENERGIC BETA RECEPTOR
AGONISTS, therapeutic use/ ADRENERGIC
BETA RECEPTOR BLOCKADERS, adverse
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PHENTOLAMINE, therapeutic use/
PSYCHOLOGY/ RESPIRATORY TRACT
INFECTIONS, complications/ THEOPHYLLINE,
pharmacodynamics/ THEOPHYLLINE,
therapeutic use
4012. Van Damme MP, Robertson DM, Romaní P, et al: A
sensitive in vitro bioassay method for luteinizing
hormone (LH) activity.
Acta Endocrinol (Kbh) 74:642-58, Dec 73
ANIMAL EXPERIMENTS/ CORTICOTROPIN,
pharmacodynamics/ DIBUTYRYL CYCLIC
AMP, pharmacodynamics/ EVALUATION
STUDIES/ FSH, pharmacodynamics/
GONADOTROPINS, CHORIONIC,
pharmacodynamics/ GONADOTROPINS,
PITUITARY, pharmacodynamics/ IN VITRO/
*LH, analysis/ LH-FSH RELEASING
HORMONE, pharmacodynamics/
MENOTROPINS, analysis/ METHODS/ MICE/
OXYTOCIN, pharmacodynamics/ RABBITS,
immunology/ *RADIOIMMUNOASSAY/ RATS/
SOMATOTROPIN, pharmacodynamics/ TESTIS,
metabolism/ *TESTOSTERONE, metabolism/
THYROTROPIN, pharmacodynamics/ TRITIUM/
VASOPRESSIN, pharmacodynamics
4013. Van de Casseye M, Gepts W: Case report: Primary
(autoimmune?) parathyroiditis.
Virchows Arch [Pathol Anat] 361:257-61, 27 Nov 73
*AUTOIMMUNE DISEASES, pathology/
AUTOPSY/ HUMAN/
HYPOPARATHYROIDISM, etiology/
*HYPOPARATHYROIDISM, pathology/ MALE/
MIDDLE AGE/ OSTEITIS DEFORMANS,
complications/ PARATHYROID DISEASES,
complications/ *PARATHYROID DISEASES,
pathology
4014. Van den Berghe H, Fryns JP, Soye C: X-X translocation
in a patient with Turner's syndrome.
Humangenetik 20:377-80, 20 Dec 73
ADOLESCENCE/ *CHROMOSOME
ABERRATIONS/ FEMALE/ HUMAN/
KARYOTYPING/ *SEX CHROMOSOMES/
*TURNER'S SYNDROME, familial & genetic
4015. Van den Berghe H, Fryns JP, David G: Renovascular
hypertension. Prospective diagnostic yield in a
random access population.
Humangenetik 20:375-6, 20 Dec 73
AUTOSOME ABNORMALITIES/
*CHROMOSOME ABERRATIONS/
*CHROMOSOMES, HUMAN, 1-3/
FLUORESCENCE/ HUMAN/ HYPOGONADISM,
familial & genetic/ KARYOTYPING/ MALE/
QUINACRINE, diagnostic use/ *SEX
CHROMOSOMES
4016. Vanderschueren-Lodeweyckx, Wolter R, Molla A, et al:
Plasma growth hormone in coeliac disease.
Helv Paediatr Acta 28:349-57, Oct 73
ADOLESCENCE/ BLOOD SUGAR, analysis/
*CELIAC DISEASE, blood/ CHILD/ CHILD,
PRESCHOOL/ FEMALE/ HUMAN/
HYDROCORTISONE, blood/ MALE/ PITUITARY
HORMONE, analysis/ INFANT/ INSULIN,
administration & dosage/ MALE/ PITUITARY
HORMONE RELEASING HORMONES, analysis/
*SOMATOTROPIN, blood/ SOMATOTROPIN,
secretion
4017. Van de Water FW: Laryngeal cysts--their surgical
management. *Laryngoscope* 83:1185-94, Aug 73
ADOLESCENCE/ BARIUM SULFATE/
CONTRAST MEDIA/ CYSTS, congenital/
CYSTS, pathology/ *CYSTS, surgery/

AUTHOR SECTION

- FEMALE/ HUMAN/ INFANT/ INFANT,
NEWBORN/ INTUBATION, INTRATRACHEAL/
LARYNGEAL DISEASES, congenital/
LARYNGEAL DISEASES, pathology/
*LARYNGEAL DISEASES, surgery/
LARYNGOSCOPY/ LARYNX, radiography/
THYROID GLAND, surgery
4018. Van Pelt RW: Intra-articular injection of flumethasone suspension in normal joints of horses.
Equine Vet J 5:162-70, Oct 73
ALANINE AMINOTRANSFERASE, analysis/
ALDOLASE, analysis/ ALKALINE
PHOSPHATASE, analysis/ ANIMAL
EXPERIMENTS/ ASPARTATE
AMINOTRANSFERASE, analysis/ BLOOD
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HINDLIMB/ HORSE DISEASES, chemically
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*JOINTS, drug effects/ LACTATE
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SYNOVIAL FLUID, cytology/ SYNOVIAL
FLUID, drug effects/ SYNOVIAL FLUID,
enzymology/ SYNOVIAL MEMBRANE, drug
effects/ SYNOVITIS, veterinary/ VISCOSITY
4019. Van Scott EJ: Letter: Evaluation of desonide cream.
JAMA 228:1569, 24 Dec 73
ACETALS, therapeutic use/
*ANTI-INFLAMMATORY AGENTS, TOPICAL,
therapeutic use/ CLINICAL RESEARCH/
COMPARATIVE STUDY/ DRUG
EVALUATION/ FLUOCINOLONE ACETONIDE,
therapeutic use/ HUMAN/ KETOSTEROIDS,
therapeutic use/ *PREGNANETRIOL,
therapeutic use/ *SKIN DISEASES, drug
therapy
4020. Vanyushin BF, Nemirovsky LE, Klimentov VV, et al:
The 5-methylcytosine in DNA of rats. Tissue and age
specificity and the changes induced by
hydrocortisone and other agents.
Gerontologia 19:138-52, 1973
*AGING/ ANIMAL EXPERIMENTS/ BRAIN
CHEMISTRY/ *CYTOSINE, analysis/ *DNA,
analysis/ DNA, metabolism/ DNA,
MITOCHONDRIAL, analysis/ GENETICS/
HYDROCORTISONE, pharmacodynamics/
KIDNEY, analysis/ LIVER, analysis/ LUNG,
analysis/ *METHYLATION/ MYOCARDIUM,
analysis/ RATS/ SPLEEN, analysis
4021. Vargatlig BB, Hal ND: Inhibition by acetamidophenol
of the production of prostaglandin-like material from
blood platelets in vitro in relation to some in vivo
actions. Eur J Pharmacol 24:283-8, Dec 73
*ACETAMINOPHEN, pharmacodynamics/
ADENOSINE TRIPHOSPHATE, antagonists &
inhibitors/ AIRWAY RESISTANCE, drug
effects/ ANIMAL EXPERIMENTS/ AORTA,
drug effects/ ARACHIDONIC ACID,
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PLATELETS, metabolism/ BLOOD PRESSURE,
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HYDROXYLASES, antagonists & inhibitors/ IN
VITRO/ MULTIEZYME COMPLEXES,
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*PROSTAGLANDINS, antagonists & inhibitors/
*PROSTAGLANDINS, biosynthesis/
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SEROTONIN, pharmacodynamics/
SLOW-REACTING SUBSTANCES, antagonists
& inhibitors/ STOMACH, drug effects/
VASOCONSTRICTOR AGENTS, antagonists &
inhibitors
4022. Varma TR, Curzen P: The effects of abdominal
decompression on pregnancy complicated by the
small-for-dates fetus.
J Obstet Gynaecol Br Commonw 80:1086-94, Dec 73
*ABDOMEN/ ADOLESCENCE/ ADULT/
APGAR SCORE/ *ATMOSPHERIC PRESSURE/
BIRTH WEIGHT/ CEPHALOMETRY/
ESTROGENS, urine/ FEMALE/ FETAL
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DISEASES, prevention & control/ *FETUS,
growth & development/ *GESTATIONAL AGE/
HUMAN/ INFANT MORTALITY/
PREGNANCY/ SKULL,
growth & development/ ULTRASONICS
4023. Vasavada PJ, Bournigal LJ, Reynolds RW: Thymoma
associated with pure red cell aplasia and
hypogammaglobulinemia.
Postgrad Med 54:93-8, Dec 73
*AGAMMAGLOBULINEMIA, complications/
AGED/ *ANEMIA, APLASTIC, complications/
ANEMIA, APLASTIC, drug therapy/ BLOOD
CELL COUNT/ BLOOD TRANSFUSION/ BONE
MARROW EXAMINATION/ CARCINOMA,
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HUMAN/ IGA, analysis/ IGG, analysis/ IGM,
analysis/ IRON, metabolism/ IRON
RADIOISOTOPES/ PREDNISONE, therapeutic
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THYMECTOMY/ *THYMOMA, complications/
THYMOMA, radiography/ THYMOMA, surgery
4024. Vashenko OA: Vplyv zruinuvannia retykularnol
formatu seredn'oho mozku na
hipotalamo-hipofizarnu neurosekretornu systemu.
Fiziol Zh 19:861-6, Sep-Oct 73 (Ukr)
ANIMAL EXPERIMENTS/ ELECTROLYSIS/
ENGLISH ABSTRACT/
*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
physiology/ *NEUROSECRETORY SYSTEMS,
physiology/ RATS/ *RETICULAR FORMATION,
physiology
4025. Vasileva IA: Villanie malykh kontsentratsii
serougleroda i serovodoroda na menstrual'nyu
funktsiiu zhenshchiny i stral'ny tsiki v eksperimente.
Gig Sanit 38:24-7, Jul 73 (Rus)
ADULT/ ANIMAL EXPERIMENTS/ *CARBON
DISULFIDE, pharmacodynamics/ CHEMICAL
INDUSTRY/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ENGLISH
ABSTRACT/ *ESTRUS, drug effects/
FEMALE/ HUMAN/ *HYDROGEN SULFIDE,
pharmacodynamics/ INDUSTRIAL MEDICINE/
*MENSTRUATION, drug effects
4026. Vaslukova EA, Burduli MI, Ias'ko AA, et al:
Atsetilirulushchala sposobnost' organizma u hol'nykh
s holezlnu Itsenko-Kushinga.
Ter Arkh 45:16-9, Sep 73 (Rus)
ACETYLATION/ ADOLESCENCE/ ADULT/
*CUSHING'S SYNDROME, metabolism/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
HYDROCORTISONE, metabolism/ LIVER,
metabolism/ MALE/ MIDDLE AGE
4027. Vaslukova EA, Klimova MK, Strizhakova LL, et al:
Kliniko-rentgenologicheskaya kharakteristika kostnoi
sistemy pri giperkortitsizme v protsesse lechenia
tirokai'tsitinomom.
Sov Med 36:35-40, Sep 73 (Rus)
ADOLESCENCE/ *ADRENAL GLAND
HYPERFUNCTION, drug therapy/ ADULT/
AGED/ *BONE AND BONES, radiography/
*CALCITONIN, therapeutic use/ CUSHING'S
SYNDROME, complications/ CUSHING'S
SYNDROME, drug therapy/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
MIDDLE AGE/ OSTEOPOROSIS, drug therapy/
OSTEOPOROSIS, etiology
4028. Vaslukova EA, Pisarskaya IV, Sharova IuA, et al:
Narusenie gemokoagulyatsii u hol'nykh s
gipotalamicheskim sindromom puerternogo
perioda i steroid formoi Itsenko-Kushinga.
Vrach Delo 9:73-8, Sep 73 (Rus)
ADOLESCENCE/ *BLOOD COAGULATION
DISORDERS, etiology/ *BRAIN DISEASES,
complications/ CHILD/ *CUSHING'S
SYNDROME, complications/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/
*HYPOTHALAMUS/ MALE/ *PUBERTY/
SYNDROME/ THROMBELASTOGRAPHY
4029. Vassart G, Brocas H, Nokin P, et al: Translation in
Xenopus oocytes of thyroglobulin mRNA isolated by

AUTHOR SECTION

- poly(U)-Sephadex affinity chromatography.
Biochim Biophys Acta 324:575-80, 14 Nov 73
ADENINE NUCLEOTIDES/ ANIMAL
EXPERIMENTS/ CENTRIFUGATION, DENSITY
GRADIENT/ CHROMATOGRAPHY, AFFINITY/
HORSES/ LEUCINE/ NUCLEIC ACID
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U/ POLYNUCLEOTIDES/ POLYRIBOSOMES,
metabolism/ PRECIPITIN TESTS/ RNA,
MESSENGER, analysis/ *RNA, MESSENGER,
metabolism/ RNA, RIBOSOMAL, analysis/
*RNA, RIBOSOMAL, metabolism/ SHEEP,
immunology/ SPECTROPHOTOMETRY,
ULTRAVIOLET/ *THYROGLOBULIN,
biosynthesis/ THYROID GLAND, cytology/
THYROID GLAND, metabolism/
*TRANSLATION, GENETIC/ TRITIUM/
XENOPUS
4030. Vedeckis WV, Gilbert LI: Production of cyclic AMP and
adenosine by the brain and prothoracic glands of
Manduca sexta. J Insect Physiol 19:2445-57, Dec 73
*ADENOSINE, biosynthesis/ *ADENOSINE
CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/
ANIMAL EXPERIMENTS/ *BRAIN,
metabolism/ *INSECTS, metabolism/ LARVA,
metabolism/ THORAX, metabolism
4031. Velasco M, Gualtero E: A comparative study of some
anti-inflammatory drugs in wound healing of the rat.
Experientia 29:1250-1, 15 Oct 73
ANIMAL EXPERIMENTS/
*ANTI-INFLAMMATORY AGENTS,
pharmacodynamics/ COMPARATIVE STUDY/
DEXAMETHASONE, pharmacodynamics/
FEMALE/ GRANULATION TISSUE, analysis/
HYDROXYPROLINE, analysis/ MALE/
PHENYLBUTAZONE, pharmacodynamics/
RATS/ THIOUREA, pharmacodynamics/
UNDECYLENIC ACID, pharmacodynamics/
*WOUND HEALING, drug effects
4032. Velika RR: Retykulo-hipotalamichni vplyvy na
aktyvnist' neuroniv zorofov kory.
Fiziol Zb 19:593-600, Sep-Oct 73 (Ukr)
ANIMAL EXPERIMENTS/ BEHAVIOR,
ANIMAL/ ELECTRIC STIMULATION/
ELECTROENCEPHALOGRAPHY/ ENGLISH
ABSTRACT/ HYPOTHALAMUS, physiology/
*NEURONS, physiology/ *OPTIC NERVE,
physiology/ OSCILLOMETRY/ RABBITS/
RETICULAR FORMATION, physiology/
*VISUAL CORTEX, physiology
4033. Velo GP, Dunn CJ, Giroud JP, et al: Distribution of
prostaglandins in inflammatory exudate.
J Pathol 111:149-58, Nov 73
ANIMAL EXPERIMENTS/ CARRAGEENAN/
CELL MEMBRANE/ CYTOPLASM/ DISEASE
MODELS, ANIMAL/ EXUDATES AND
TRANSUDATES, cytology/ *EXUDATES AND
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*INFLAMMATION, metabolism/ LEUKOCYTES,
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PERITONITIS, pathology/ PHAGOCYTOSIS/
PLEURISY, metabolism/ *PROSTAGLANDINS,
metabolism/ RATS/ SYNOVIAL FLUID,
metabolism
4034. Verbanck M, Corvillain J, Brunfaut C: Calcifications
cerebrales d'origine endocrinienne ou metabolique.
J Belge Radiol 56:341-8, Jul-Aug 73 (Fre)
*BRAIN DISEASES, etiology/ BRAIN
DISEASES, radiography/ *CALCINOSIS,
etiology/ CALCINOSIS, radiography/
*ENDOCRINE DISEASES, complications/
ENGLISH ABSTRACT/ HUMAN/ *METABOLIC
DISEASES, complications
4035. Verbanck M, Futeral B, Brauman J, et al: Diagnostic et
traitement des hypercalcemies.
Brux Med 53:649-68, Nov 73 (Fre)
ACROMEGALY, complications/ ADRENAL
GLAND HYPOFUNCTION, complications/
ADULT/ AGED/ CALCINOSIS, complications/
CALCITONIN, therapeutic use/ CORTISONE,
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HYPERCALCEMIA, etiology/
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complications/ MULTIPLE MYELOMA,
complications/ NEOPLASMS, complications/
OSTEITIS DEFORMANS, complications/
OSTEOPOROSIS, complications/ VITAMIN D,
poisoning
4036. Verfallille J: Essai clinique d'Albert Compositum
teinture en dermatologie.
Brux Med 53:689-92, Nov 73 (Fre)
ADULT/ AGED/ *ALCOHOL, ETHYL,
therapeutic use/ ANTIFUNGAL AGENTS,
therapeutic use/ ANTI-INFECTIVE AGENTS,
LOCAL, therapeutic use/
ANTI-INFLAMMATORY AGENTS, TOPICAL,
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MALE/ MIDDLE AGE/ *SALICYLIC ACID,
therapeutic use/ *SKIN DISEASES, drug
therapy/ *TRIAMCINOLONE ACETONIDE,
therapeutic use
4037. Verhage HG, Abel JH Jr, Tietz WJ Jr, et al:
Development and maintenance of the oviductal
epithelium during the estrous cycle in the bitch.
Biol Reprod 9:460-74, Dec 73
ANIMAL EXPERIMENTS/ CELL
DIFFERENTIATION/ CELL NUCLEOLUS/
CELL NUCLEUS/ CHROMATIN/ CILIA/
CYTOPLASMIC GRANULES/ *DOGS,
physiology/ ENDOPLASMIC RETICULUM/
EPITHELIAL CELLS/ ESTROGENS, secretion/
*ESTRUS/ *FALLOPIAN TUBES, cytology/
*FALLOPIAN TUBES, growth & development/
FEMALE/ GOLGI APPARATUS/
HYPERTROPHY/ MICROSCOPY, ELECTRON/
MITOCHONDRIA/ PROGESTERONE, secretion/
TIME FACTORS
4038. Verhage HG, Abel JH Jr, Tietz WJ Jr, et al:
Estrogen-induced differentiation of the oviductal
epithelium in prepubertal dogs.
Biol Reprod 9:475-88, Dec 73
ANIMAL EXPERIMENTS/ *CELL
DIFFERENTIATION, drug effects/ CELL
DIVISION/ CELL NUCLEOLUS/ CELL
NUCLEUS/ CILIA/ CYTOPLASM/
CYTOPLASMIC GRANULES/ DOGS/
EPITHELIAL CELLS, drug effects/
EPITHELIUM, drug effects/ EPITHELIUM,
growth & development/ *ESTRADIOL,
pharmacodynamics/ *FALLOPIAN TUBES,
cytology/ FALLOPIAN TUBES, drug effects/
FALLOPIAN TUBES, growth & development/
FEMALE/ GOLGI APPARATUS/
HYPERTROPHY/ MICROSCOPY, ELECTRON/
MITOSIS/ POLYRIBOSOMES/
*PROGESTERONE, pharmacodynamics/
*PUBERTY/ TIME FACTORS
4039. Verma IC, Khanna AR: Vitamin D and rickets.
Indian Pediatr 10:471-82, Aug 73 (58 ref.)
ACIDOSIS, RENAL TUBULAR, complications/
ANIMAL EXPERIMENTS/ BONE AND BONES,
pathology/ BONE NEOPLASMS, complications/
CALCIFICATION, PHYSIOLOGIC/
DIHYDROXYCHOLECALCIFEROLS,
metabolism/ DIPHENYLHYDANTOIN, adverse
effects/ FANCONI SYNDROME, complications/
HUMAN/ KIDNEY FAILURE, CHRONIC,
complications/ MALABSORPTION
SYNDROMES, complications/
PHENOBARBITAL, adverse effects/ REVIEW/
*RICKETS/ RICKETS, drug therapy/
RICKETS, pathology/ RICKETS, VITAMIN D
RESISTANT, chemically induced/ RICKETS,
VITAMIN D RESISTANT, etiology/ RICKETS,
VITAMIN D RESISTANT, familial & genetic/
*VITAMIN D/ VITAMIN D, metabolism/
VITAMIN D, therapeutic use
4040. Verma KC, Chaudhry SD: Epithelioma adenoides
cysticum (trichoeptithelioma).
Indian J Med Sci 27:627-9, Aug 73

AUTHOR SECTION

- ADOLESCENCE/ ADULT/ CHILD/ FEMALE/
GENES, DOMINANT/ HUMAN/ MALE/ SEX
CHROMOSOMES/ *SKIN NEOPLASMS, familial
& genetic
4041. Verma OP, Chihuzo GA: Hormonal influences in
motility of canine uterine horns.
Am J Vet Res 35:23-8, Jan 74
ANIMAL EXPERIMENTS/ CASTRATION/
CATHETERIZATION/ DENERVATION/ *DOGS,
physiology/ ESTRADIOL, administration &
dosage/ ESTRADIOL, pharmacodynamics/
ESTRUS/ FEMALE/ INJECTIONS,
INTRAVENOUS/ INJECTIONS,
SUBCUTANEOUS/ MUSCLE CONTRACTION,
drug effects/ NOREPINEPHRINE,
administration & dosage/ NOREPINEPHRINE,
pharmacodynamics/ PREGNANCY/
PROGESTERONE, administration & dosage/
PROGESTERONE, pharmacodynamics/ *SEX
HORMONES, physiology/ *UTERUS, drug
effects/ UTERUS, innervation/ UTERUS,
physiology
4042. Verma SK, Teotia SP, Teotia M, et al: Nitrogen balance
studies on two different intake of protein in children
with vitamin D deficiency rickets.
Indian J Pediatr 40:269-75, Aug 73
CHILD/ CHILD, PRESCHOOL/ DIET
THERAPY/ *DIETARY PROTEINS,
administration & dosage/ ERGOALCIFEROL,
therapeutic use/ FEMALE/ HUMAN/ INFANT/
MALE/ *NITROGEN, metabolism/ RICKETS,
drug therapy/ *RICKETS, metabolism/
RICKETS, therapy
4043. Vermes I, Molnár D, Telegdy G: The effect of
hypothalamic serotonin on compensatory adrenal
function. Acta Physiol Acad Sci Hung 43:27-32, 1973
*ADRENAL GLANDS, physiology/ ADRENAL
GLANDS, secretion/ ADRENALECTOMY/
ANIMAL EXPERIMENTS/ *HYPOTHALAMUS,
drug effects/ HYPOTHALAMUS, metabolism/
MALE/ NIHALAMIDE, pharmacodynamics/
RATS/ SEROTONIN, metabolism/
*SEROTONIN, pharmacodynamics
4044. Vermes I, Telegdy G, Lissák K: Correlation between
hypothalamic serotonin content and adrenal function
during acute stress. Effect of adrenal corticosteroids
on hypothalamic serotonin content.
Acta Physiol Acad Sci Hung 43:33-42, 1973
ADRENAL GLANDS, drug effects/ *ADRENAL
GLANDS, secretion/ ADRENALECTOMY/
ANIMAL EXPERIMENTS/ CORTICOSTERONE,
pharmacodynamics/ *CORTICOSTERONE,
secretion/ CORTICOTROPIN,
pharmacodynamics/ HYPOTHALAMUS, drug
effects/ *HYPOTHALAMUS, metabolism/
MALE/ RATS/ *SEROTONIN, metabolism/
*STRESS, metabolism/ TIME FACTORS
4045. Vernadakis A: Changes in brain acetylcholinesterase
activity of young rats after chronic treatment with
tremorine. Experientia 29:1257-9, 15 Oct 73
*ACETYLCHOLINESTERASE, metabolism/ AGE
FACTORS/ ANIMAL EXPERIMENTS/ BODY
WEIGHT, drug effects/ BRAIN, drug effects/
*BRAIN, enzymology/ CAUDATE NUCLEUS,
enzymology/ CEREBELLUM, enzymology/
CEREBRAL CORTEX, enzymology/
CONVULSIONS, chemically induced/
DOSE-RESPONSE RELATIONSHIP, DRUG/
HYPOTHALAMUS, enzymology/ MALE/ RATS/
TIME FACTORS/ TREMORINE, administration
& dosage/ *TREMORINE, pharmacodynamics
4046. Verschuuren HG, Kroes R, Esch GJ van: Toxicity
studies on tetrasul. I. Acute, long-term and
reproduction studies. Toxicology 1:63-78, Mar 73
ANIMAL EXPERIMENTS/ BEHAVIOR,
ANIMAL, drug effects/ BIRTH WEIGHT, drug
effects/ BODY WEIGHT, drug effects/ DIET/
DOSE-RESPONSE RELATIONSHIP, DRUG/
FEMALE/ FERTILITY, drug effects/
GERM-FREE LIFE/ GUINEA PIGS/
INSECTICIDES, ORGANOCHLORINE, blood/
INSECTICIDES, ORGANOCHLORINE,
pharmacodynamics/ *INSECTICIDES,
ORGANOCHLORINE, toxicity/ LACTATION,
drug effects/ LETHAL DOSE 50/ MALE/
MICE/ ORGAN WEIGHT/ RABBITS/ RATS/
*REPRODUCTION, drug effects/ SULFIDES,
blood/ SULFIDES, pharmacodynamics/
SULFIDES, toxicity/ THYROID GLAND,
cytology/ TIME FACTORS
4047. Vertushkov VT, Ivanov II: Ob obrazovanii
fluorescentnykh pigmentov v lipidakh.
Biol Nauki 115:57-60, 1973 (Rus)
AET, pharmacodynamics/ ALDEHYDES,
metabolism/ ANIMAL EXPERIMENTS/
CYSTAMINE, pharmacodynamics/
CYSTEAMINE, pharmacodynamics/
EPINEPHRINE, pharmacodynamics/ ETHERS,
CYCLIC, metabolism/ FLUORESCENCE/
GALLIC ACID, pharmacodynamics/
HISTAMINE, pharmacodynamics/
HYDROXYLAMINES, pharmacodynamics/
INTESTINE, SMALL, metabolism/ KETONES,
metabolism/ *LIPIDS, metabolism/ MALE/
MICE/ OLEIC ACID, metabolism/
*PEROXIDES, metabolism/ *PIGMENTS,
metabolism/ *RADIATION-PROTECTIVE
AGENTS/ SEROTONIN, pharmacodynamics/
SPECTRUM ANALYSIS/ SPLEEN, metabolism/
TEMPERATURE/ TRYPTAMINES,
pharmacodynamics/ VITAMIN E, metabolism
4048. Vertushkov VT, Ivanov II, Tarusov BN: Ob obrazovanii
pigmentov lipidnoi prirody v tkaniakh obлучennykh
zhivotnykh.
Radiobiologiya 13:723-8, Sep-Oct 73 (Rus)
AET, pharmacodynamics/ ANIMAL
EXPERIMENTS/ BONE MARROW, drug
effects/ *BONE MARROW, metabolism/
CYSTAMINE, pharmacodynamics/ ENGLISH
ABSTRACT/ EPINEPHRINE,
pharmacodynamics/ HYDROXYLAMINES,
pharmacodynamics/ LIPIDS, blood/ *LIPIDS,
metabolism/ MALE/ MICE/ OLEIC ACID,
metabolism/ PEROXIDES, biosynthesis/
*PIGMENTS, biosynthesis/ PIGMENTS, blood/
*RADIATION INJURIES, EXPERIMENTAL,
metabolism/ RADIATION-PROTECTIVE
AGENTS/ SEROTONIN, pharmacodynamics/
SPLEEN, drug effects/ *SPLEEN, metabolism
4049. Veselý K: Učelná farmakoterapie v dětské gynekologii.
Cesk Gynekol 38:683-4, Nov 73 (Cze)
ADNEXITIS, drug therapy/ ADOLESCENCE/
AGE FACTORS/ ANTIBIOTICS, therapeutic
use/ CHILD/ CHILD, PRESCHOOL/
ESTROGENS, therapeutic use/ FEMALE/
*GYNECOLOGIC DISEASES, drug therapy/
HUMAN/ INFANT/ LEUKORRHEA, drug
therapy/ METORRHEA, drug therapy/
PROGESTERONE, therapeutic use/
SULFATHIAZOLES, therapeutic use
4050. Vethamany-Glohus S, Liversage RA: The relationship
between the anterior pituitary gland and the pancreas
in tail regeneration of the adult newt.
J Embryol Exp Morphol 30:415-26, Oct 73
AMPUTATION/ ANIMAL EXPERIMENTS/
ATROPHY/ CELL DIFFERENTIATION/
FEMALE/ FORELIMB/ HYPOPHYSECTOMY/
ISLANDS OF LANGERHANS, cytology/
MALE/ MITOSIS/ PANCREAS, cytology/
*PANCREAS, physiology/ *PITUITARY
GLAND, physiology/ *REGENERATION/
*SALAMANDERS, growth & development/
*TAIL, growth & development
4051. Vethamany-Glohus S, Liversage RA: In vitro studies of
the influence of hormones on tail regeneration in
adult Diemictylus viridescens.
J Embryol Exp Morphol 30:397-413, Oct 73
AMPUTATION/ ANIMAL EXPERIMENTS/
CARTILAGE, growth & development/ CELL
DIFFERENTIATION, drug effects/ CELLS,
CULTURED/ CULTURE MEDIA/ DRUG
INTERACTIONS/ FEMALE/ GROWTH, drug
effects/ *HORMONES, pharmacodynamics/
HYDROCORTISONE, pharmacodynamics/
INSULIN, pharmacodynamics/ MALE/
MITOSIS/ *REGENERATION, drug effects/
*SALAMANDERS, growth & development/
SOMATOTROPIN, pharmacodynamics/ SPINAL

AUTHOR SECTION

- CORD, growth & development/ *TAIL, drug effects/ THYROXINE, pharmacodynamics
4052. Vetrova LP: Villanie vann razlichnogo khimicheskogo sostava na sostolanie simpatiko-adrenalovoi sistemy u bol'nykh pervichnoi arterial'noi gipotoniei. Vopr Kurortol Fizioter Lech Fiz Kult 38:458-62, 1973 (Rus)
- ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ ADULT/ *BATHS/ CHRONIC DISEASE/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYPOTENSION, therapy/ MALE/ MIDDLE AGE/ PITUITARY-ADRENAL FUNCTION TESTS/ SYMPATHETIC NERVOUS SYSTEM, physiopathology
4053. Vetter H, Bayer JM, Berger M, et al: Plasma-Aldosteron bei einer Patientin mit primärem Aldosteronismus während und nach der Adenomentfernung. Dtsch Med Wochenschr 98:2420-1, 14 Dec 73 (Ger)
- ADENOMA, surgery/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ *ALDOSTERONE, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *HYPERALDOSTERONISM, blood/ HYPERALDOSTERONISM, surgery/ POSTOPERATIVE CARE/ TIME FACTORS
4054. Vetter W, Vetter H, Siegenthaler W: Radioimmunoassay for aldosterone without chromatography. Acta Endocrinol (Kbh) 74:548-57, Nov 73
- ADRENAL CORTEX HORMONES, urine/ *ALDOSTERONE, urine/ ANTIBODY SPECIFICITY/ *GLUCURONATES, urine/ HUMAN/ IMMUNE SERUMS/ MALE/ METHODS/ RABBITS, immunology/ RADIOIMMUNOASSAY/ TRITIUM
4055. Vetter W, Vetter H, Siegenthaler W: Radioimmunoassay for aldosterone without chromatography. 2. Determination of plasma aldosterone. Acta Endocrinol (Kbh) 74:558-67, Nov 73
- *ALDOSTERONE, blood/ DEPRESSION, CHEMICAL/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, blood/ IMMUNE SERUMS/ MALE/ METHODS/ POSTURE/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SODIUM, pharmacodynamics/ TRITIUM
4056. Vialli M: Elementi del sistema delle cellule enterocromaffini e cellule C nel timo. Ann Histochim 18:3-7, Jan-Mar 73 (Ita)
- *CALCITONIN, biosynthesis/ *CHROMAFFIN SYSTEM/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ HUMAN/ *THYMUS GLAND, cytology
4057. Videbaek A: Leukaemia and cancer in relation to immunosuppressive therapy. Scand J Haematol 10:241-3, 1973 (25 ref.)
- ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGAMMAGLOBULINEMIA, drug therapy/ *ANTINEOPLASTIC AGENTS, adverse effects/ *CHROMOSOME ABERRATIONS/ ERYTHROLEUKEMIA, chemically induced/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY, transplantation/ *LEUKEMIA, chemically induced/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ LEUKEMIA, MYELOCYTIC, chemically induced/ LYMPHOMA, chemically induced/ LYMPHOSARCOMA, chemically induced/ NEOPLASM SEEDING/ *NEOPLASMS, chemically induced/ REVIEW/ SARCOMA, RETICULUM CELL, chemically induced/ TISSUE DONORS/ TRANSPLANTATION, HOMOLOGOUS
4058. Videbaek A, Mansa B, Kjems E: A human IgA-myeloma protein with anti-streptococcal hyaluronidase (ASH) activity. Scand J Haematol 10:181-5, 1973
- *ANTIBODIES, BACTERIAL/ BINDING SITES, ANTIBODY/ BONE MARROW CELLS, analysis/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ HYALURONIDASE, blood/ *HYALURONIDASE, blood/ *IGA, analysis/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS, FAB, analysis/ MELPHALAN, therapeutic use/ MIDDLE AGE/ MULTIPLE MYELOMA, blood/ MULTIPLE MYELOMA, drug therapy/ *MULTIPLE MYELOMA, enzymology/ *MYELOMA PROTEINS, blood/ PREDNISONE, therapeutic use/ SALIVA, enzymology
4059. Vigaš M, Németh S, Jurčovičová J: The mechanism of trauma-induced inhibition of insulin release. Horm Metab Res 5:322-4, Sep 73
- ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ EPINEPHRINE, metabolism/ GLUCOSE, pharmacodynamics/ GLUCOSE OXIDASE/ INDICATORS AND REAGENTS/ *INSULIN, blood/ INSULIN, metabolism/ INSULIN ANTIBODIES/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ MALE/ NOREPINEPHRINE, metabolism/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS/ *WOUNDS AND INJURIES, metabolism
4060. Vigh-Teichmann I, Vigh B, Aros B: CSF contacting axons and synapses in the lumen of the pineal organ. Z Zellforsch Mikrosk Anat 144:139-52, 30 Oct 73
- ANIMAL EXPERIMENTS/ *AXONS/ BUFO BUFO/ CELLULAR INCLUSIONS/ *CEREBROSPINAL FLUID, cytology/ CHICKENS/ CYPRINIDAE/ CYTOPLASMIC GRANULES/ DENDRITES/ DESMOSOMES/ EPENDYMA, cytology/ GLYCOGEN/ GUINEA PIGS/ HEDGEHOGS/ LIZARDS/ MICROTUBULES/ MITOCHONDRIA/ NEUROGLIA, cytology/ *PINEAL BODY, cytology/ RANA ESCULENTA/ RATS/ SALAMANDERS/ *SYNAPSES, cytology/ SYNAPTIC VESICLES/ TURTLES
4061. Vihko R: Ihmiskiveksen steroidien biosynteesi ja eritys. Duodecim 89:1188-95, 1973 (Fin)
- ANDROGENS, biosynthesis/ ANIMAL EXPERIMENTS/ FETUS, metabolism/ GESTATIONAL AGE/ HUMAN/ MALE/ PROGESTATIONAL HORMONES, biosynthesis/ RATS/ SULFATASES, metabolism/ TESTIS, embryology/ TESTIS, enzymology/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis
4062. Vihko R: Ehkäisytablettien vaikutusmekanismit. Duodecim 89:1612-7, Oct 73 (14 ref.) (Fin)
- CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ DEPRESSION, CHEMICAL/ DRUG COMBINATIONS/ FEMALE/ HUMAN/ *HYPOTHALAMUS, drug effects/ OVULATION, drug effects/ PITUITARY HORMONES, ANTERIOR, blood/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RECEPTORS, HORMONE, drug effects/ REVIEW/ SEX HORMONES, blood/ STIMULATION, CHEMICAL/ UTERUS, drug effects
4063. Viinikka L, Jänne O, Perheentupa J, et al: Congenital adrenal hyperplasia. Plasma and urinary steroid conjugates in seven children with steroid 21-hydroxylase deficiency. Clin Chim Acta 48:359-65, 15 Nov 73
- ADRENAL GLAND DISEASES, blood/ ADRENAL GLAND DISEASES, congenital/ ADRENAL GLAND DISEASES, drug therapy/ *ADRENAL GLAND DISEASES, metabolism/ ADRENAL GLAND DISEASES, urine/ CHILD/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, GAS/ DEXAMETHASONE, therapeutic use/ FEMALE/ GLUCURONATES, analysis/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPERPLASIA/ INFANT/ LIPID METABOLISM, INBORN ERRORS, blood/ LIPID METABOLISM, INBORN ERRORS, drug therapy/ *LIPID METABOLISM, INBORN ERRORS, metabolism/ LIPID METABOLISM,

AUTHOR SECTION

- INBORN ERRORS, urine/ MALE/ SPECTRUM ANALYSIS, MASS/ *STEROID HYDROXYLASES, metabolism/ *STEROIDS, analysis/ STEROIDS, blood/ STEROIDS, urine/ SULFATES, analysis
4064. Vikhlaeva EM: Sindrom skleroklistoznykh lalchnikov. Akush Ginekol (Mosk) 49:54-8, Mar 73 (Rus)
DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HIRSUTISM, diagnosis/ HUMAN/ MENSTRUATION DISORDERS, diagnosis/ OVARY, physiopathology/ STEIN-LEVENTHAL SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, etiology/ *STEIN-LEVENTHAL SYNDROME, physiopathology/ STEROIDS, biosynthesis
4065. Vines R: Failure to thrive, hyponatremia, and hyperkalemia in a seven-month-old girl. Clin Pediatr (Phila) 12:15A, Dec 73
DEXAMETHASONE, therapeutic use/ FEMALE/ FLUDROCORTISONE, therapeutic use/ GROWTH DISORDERS, complications/ HUMAN/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ HYPERKALEMIA, complications/ *HYPONATREMIA, complications/ INFANT/ ISOMERASES, metabolism/ PHENOTYPE
4066. Vinogradov A, Scarpa A: The initial velocities of calcium uptake by rat liver mitochondria. J Biol Chem 248:5527-31, 10 Aug 73
ANIMAL EXPERIMENTS/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ KINETICS/ MANGANESE, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ MODELS, BIOLOGICAL/ RATS/ SPECTROPHOTOMETRY
4067. Vinogradova LI: Biologicheskie ritmy pri narushenii delatel'nosti upravliashchikh struktur mozga. Klin Med (Mosk) 51:26-31, Jan 73 (Rus)
BLOOD PRESSURE/ *BRAIN DISEASES, physiopathology/ CARDIOVASCULAR SYSTEM, physiopathology/ *CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHALAMUS/ PULSE
4068. Vinokurov IN: O patogeneze tiazhelykh form gnezdnogo alopetzii. Sov Med 35:127-31, Oct 72 (Rus)
ADULT/ *ALOPECIA AREATA, etiology/ CHRONIC DISEASE/ CIRCADIAN RHYTHM/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine/ MALE/ PITUITARY-ADRENAL FUNCTION TESTS
4069. Vio M, Fiaschi A, Ferrari G: Complicazioni neuromuscolari in corso di panipopituitarismo. (Descrizione di un caso. Acta Neurol (Napoli) 28:425-32, Jul-Aug 73 (Ita)
ADULT/ ASTHENIA, etiology/ BRAIN, pathology/ *CRANIOPHARYNGIOMA, complications/ ENGLISH ABSTRACT/ HUMAN/ *HYPOPITUITARISM, complications/ MALE/ MUSCLES, pathology/ *NEUROMUSCULAR DISEASES, etiology/ PERIPHERAL NERVE DISEASES, etiology/ *PITUITARY NEOPLASMS, complications
4070. Virchow C: Sputum eosinophilie bei chronisch-obstruktiven Atemwegserkrankungen. Z Erkr Atmungsorgane 138:50-60, 1973 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTIBIOTICS, therapeutic use/ ASTHMA, diagnosis/ ASTHMA, drug therapy/ BRONCHITIS, diagnosis/ BRONCHITIS, drug therapy/ CHRONIC DISEASE/ *EOSINOPHILS/ HUMAN/ LEUKOCYTE COUNT/ *LUNG DISEASES, OBSTRUCTIVE, diagnosis/ SMOKING/ *SPUTUM, analysis/ SPUTUM, cytology/ SPUTUM, microbiology
4071. Vitruk SK: Dinamika nekotorykh koagulologicheskikh i instrumental'nykh pokazatelei v usloviakh gormonal'no-medikamentoznogo lecheniia revmatizma. Vrach Delo 9:66-70, Sep 73 (Rus)
ADOLESCENCE/ ADULT/ *ASPIRIN, therapeutic use/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PENICILLIN, therapeutic use/ *PREDNISOLONE, therapeutic use/ RHEUMATISM, blood/ *RHEUMATISM, drug therapy/ RHEUMATISM, physiopathology/ *STREPTOMYCIN, therapeutic use
4072. Vlasov VI: Ploskokletochnyi rak shchitovidnoi zhelezy s sarkomatoznoi stromoi (kartsinosarkoma. Probl Endokrinol (Mosk) 19:50-2, Nov-Dec 73 (Rus)
CARCINOMA, EPIDERMOID, complications/ *CARCINOMA, EPIDERMOID, pathology/ CARCINOSARCOMA, etiology/ *CARCINOSARCOMA, pathology/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, pathology
4073. Vogradik VG: Dezreguliruyemye kardiotatli (K obsuzhdeniu stat'i S.B. Khanin "Voprosy klassifikatsii funktsional'nykh holeznel serdtsa". Sov Med 38:88-9, Mar 73 (Rus)
ENDOCRINE DISEASES, physiopathology/ *HEART, physiopathology/ *HEART DISEASES, classification/ HUMAN/ NERVOUS SYSTEM DISEASES, physiopathology/ NOMENCLATURE
4074. Voitenko GA, Medved' IL: O villanii nekotorykh tiokarbamatov na generativnuyu funktsiiu. Gig Sanit 38:111-4, Jul 73 (Rus)
ANIMAL EXPERIMENTS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GONADS, drug effects/ *INSECTICIDES, pharmacodynamics/ LETHAL DOSE 50/ MALE/ RATS/ *REPRODUCTION, drug effects/ *THIOCARBAMATES, pharmacodynamics/ TIME FACTORS
4075. Voitsevich AA, Dedov II, Dedov VI: Razvitiye v ontogeneze mekkokletochnoi tuhero-infundibullarnoi sistemy. Arkh Anat Gistol Embriol 64:45-59, Feb 73 (Rus)
ANIMAL EXPERIMENTS/ CELL NUCLEUS/ CYTOPLASM/ CYTOPLASMIC GRANULES/ ENGLISH ABSTRACT/ GOLGI APPARATUS/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, growth & development/ LYOSOMES/ MICROSCOPY, ELECTRON/ MITOCHONDRIA/ NERVE ENDINGS/ NEURONS, cytology/ PITUITARY GLAND, POSTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, growth & development/ RATS/ RIBOSOMES/ SYNAPSES/ SYNAPTIC VESICLES
4076. Volchek AG: Polovye razlichia gilukokortikoidnykh funktsii u krys. Biol Nauki 120:33-6, 1973 (Rus)
*ADRENAL GLANDS, physiology/ ANIMAL EXPERIMENTS/ *CORTICOSTERONE, blood/ FEMALE/ MALE/ ORGAN WEIGHT/ RATS/ SEX FACTORS/ *TRANSCORTIN, blood
4077. (Volhard F), Sarre H: Franz Volhard--Roter und blasser Hochdruck aus heutiger Sicht. 1. Med Klin 68:1309-12, 5 Oct 73 (Ger)
ANGIOTENSIN, history/ ANIMAL EXPERIMENTS/ DOGS/ GERMANY/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 20TH CENT./ HISTORY OF MEDICINE, MODERN/ HUMAN/ HYPERTENSION, etiology/ *HYPERTENSION, history/ KIDNEY DISEASES, complications/ *KIDNEY DISEASES, history/ RABBITS/ RENIN, history
4078. Volkov MV, Meerson EM: Kliniko-geneticheskie paralleli v izuchenii vrozhdennykh sistemnykh kostnykh zaholevani. Vestn Akad Med Nauk SSSR 28:68-74, 1973 (Rus)
*BONE DISEASES, DEVELOPMENTAL, familial & genetic/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MUCOPOLYSACCHARIDOSIS, congenital/ MUCOPOLYSACCHARIDOSIS, familial & genetic/ OSTEOGENESIS IMPERFECTA, familial & genetic

AUTHOR SECTION

4079. Volozhinskaya G Ia, Baïda PP: Radiometritra vsego tela v diagnostike zaholevaniï shchitovidnoi zhelezy. Vrach Delo 9:76-9, Sep 73 (Rus)
ENGLISH ABSTRACT/ HUMAN/ IODINE ISOTOPES, DIAGNOSTIC/ *THYROID DISEASES, diagnosis/ THYROID GLAND FUNCTION TESTS
4080. Von Voigtlander PF, Boukma SJ, Johnson GA: Dopaminergic denervation supersensitivity and dopamine stimulated adenylyl cyclase activity. Neuropharmacology 12:1081-6, Nov 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ APOMORPHINE, pharmacodynamics/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, enzymology/ *DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYDOPAMINE, metabolism/ IN VITRO/ MALE/ METHYLTYROSINES, pharmacodynamics/ MICE/ NERVE ENDINGS, enzymology/ NERVE ENDINGS, physiology/ RECEPTORS, DRUG/ STIMULATION, CHEMICAL/ SYMPATHECTOMY
4081. Vorherr H: Contraception after abortion and post partum. An evaluation of risks and benefits of oral contraceptives with emphasis on the relation of female sex hormones to thromboembolism and genital and breast cancer. Am J Obstet Gynecol 117:1002-25, 1 Dec 73 (118 ref.)
*ABORTION/ *BREAST NEOPLASMS, chemically induced/ CARBOHYDRATES, metabolism/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ *GYNECOLOGIC NEOPLASMS, chemically induced/ HUMAN/ HYPERTENSION, chemically induced/ INTRAUTERINE DEVICES/ LACTATION/ LACTATION, drug effects/ LIVER DISEASES, chemically induced/ MENSTRUATION/ OVULATION/ PREGNANCY/ *PUERPERIUM/ PULMONARY EMBOLISM, chemically induced/ REVIEW/ *THROMBOEMBOLISM, chemically induced/ TIME FACTORS
4082. Vormittag W, Kühböck J, Peskar BM: Hyperdiploide Stammlinie (47, XY, mar +) bei myeloproliferativem Syndrom. Wien Klin Wochenschr 85:747-9, 9 Nov 73 (Ger)
AGED/ BONE MARROW CELLS/ CASE REPORT/ CELL LINE/ ENGLISH ABSTRACT/ HUMAN/ KARYOTYPING/ LEUKOCYTE COUNT/ MALE/ *MYELOPROLIFERATIVE DISORDERS, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES, complications/ SEX CHROMOSOMES, analysis
4083. Vosberg H, Hrubesch M, Wagner H, et al: Die Bedeutung des "effektiven Thyroxin-Quotienten-ETR" für die Verlaufsheurteilung bei schilddrüsenpezifischer Therapie. Med Welt 24:1535-6, 5 Oct 73 (Ger)
HUMAN/ HYPERTHYROIDISM, drug therapy/ THYROID ANTAGONISTS, therapeutic use/ *THYROID DISEASES, drug therapy/ *THYROXINE, blood/ THYROXINE-BINDING PROTEIN
4084. Vozna AG, Kharchenko PD: Zalezhnist' reflektornogo efektu vid syly i tryvalosti podraznennia hipotalamusa. Fiziol Zh 19:630-6, Sep-Oct 73 (Ukr)
ANIMAL EXPERIMENTS/ *CONDITIONING, CLASSICAL/ DOGS/ *ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ FOOD/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, secretion/ *HYPOTHALAMUS, physiology/ SALIVATION/ SECRETORY RATE/ TIME FACTORS
4085. Vries JK, Young HF, Sakalas R, et al: Recent advances in the management of head injury patients. Va Med Mon 100:1117-22, Dec 73
ADULT/ BRAIN EDEMA, etiology/ DEXAMETHASONE, therapeutic use/ FEMALE/ HEAD INJURIES, complications/ *HEAD INJURIES, diagnosis/ HEAD INJURIES, drug therapy/ HEAD INJURIES, therapy/ HUMAN/ INTRACRANIAL PRESSURE/ MANNITOL, therapeutic use/ MONITORING SYSTEMS
4086. Vula O: Dysplastic gliosis (spongloblastosis) and the Rosenthal fibres. Pathogenetic contributions. Virchows Arch [Pathol Anat] 361:1-10, 10 Oct 73
ADULT/ AUTOPSY/ BIOPSY/ CHILD/ CHILD, PRESCHOOL/ CRANIOPHARYNGIOMA, pathology/ CYTOPLASM/ FEMALE/ *GLIOSIS, pathology/ HUMAN/ INFANT/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA
4087. Vymatal J, Tichý J: Je Roztroušená skleróza nemocí infekční. Cesk Neurol Neurochir 36:279-83, Oct 73 (Cze)
ADOLESCENCE/ ADULT/ CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ HUMAN/ *MULTIPLE SCLEROSIS, etiology/ PUBERTY/ *SLOW VIRUS DISEASES, complications/ TIME FACTORS/ TRANSIENTS AND MIGRANTS
- ### W
4088. Wacławik P, Hławiczka I: Przypadek obrzęku śluzowego po ustąpieniu ciężkiej miastonii. Neurol Neurochir Pol 7:851-3, Nov-Dec 73 (Pol)
ADULT/ AMINOSALICYLIC ACID, therapeutic use/ AUTOIMMUNE DISEASES/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, immunology/ MYXEDEMA, chemically induced/ *MYXEDEMA, etiology/ SEX FACTORS/ THIOUREA, therapeutic use/ TIME FACTORS
4089. Wada T, Kitamoto K, Nomoto Y, et al: Renal hemodynamic changes associated with antidiuretic actions of chlorpropamide, clofibrate and thiazide in diabetes insipidus. Jap Circ J 37:935-9, Aug 73
ADULT/ *BLOOD CIRCULATION, drug effects/ *CHLORPROPAMIDE, pharmacodynamics/ *CLOFIBRATE, pharmacodynamics/ DEPRESSION, CHEMICAL/ *DIABETES INSIPIDUS, physiopathology/ *DIURETICS, antagonists & inhibitors/ GLOMERULAR FILTRATION RATE, drug effects/ HUMAN/ *KIDNEY, blood supply/ KIDNEY, drug effects/ MALE/ *TRICHLORMETHIAZIDE, pharmacodynamics/ VASOPRESSIN, pharmacodynamics
4090. Wägar G: Stimulating effect of dibutyl cyclic adenosine 3',5' monophosphate on protein synthesis in a thyroidal cell-free system at low potassium and sodium concentrations. Acta Endocrinol (Khh) 74:711-22, Dec 73
ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ CARBON RADIOISOTOPES/ CATTLE/ CELL-FREE SYSTEM/ CYCLOHEXIMIDE, pharmacodynamics/ DEPRESSION, CHEMICAL/ DIBUTYRYL CYCLIC AMP, antagonists & inhibitors/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ IN VITRO/ *LEUCINE, metabolism/ MAGNESIUM, pharmacodynamics/ METHODS/ MICROSOMES, metabolism/ *POTASSIUM, pharmacodynamics/ *PROTEINS, biosynthesis/ *SODIUM, pharmacodynamics/ STIMULATION, CHEMICAL/ THYROID GLAND, cytology/ *THYROID GLAND, metabolism/ TIME FACTORS
4091. Waggoner LG, Belenky WM, Clark CE: Treatment of acquired subglottic stenosis. Ann Otol Rhinol Laryngol 82:822-6, Nov-Dec 73
CHILD/ CHILD, PRESCHOOL/ DILATATION/ FEMALE/ HEART VALVE PROSTHESIS/ HUMAN/ INFANT/ INTUBATION, GASTROINTESTINAL/ INTUBATION, INTRATRACHEAL/ LARYNGOSCOPY/ LARYNGOSTENOSIS, drug therapy/ LARYNGOSTENOSIS, prevention & control/ LARYNGOSTENOSIS, surgery/ *LARYNGOSTENOSIS, therapy/ LIGATION/ MALE/ MITRAL VALVE/ NOSE/ TIME FACTORS/ TRACHEAL STENOSIS, drug therapy/ TRACHEAL STENOSIS, radiography/

AUTHOR SECTION

- TRACHEAL STENOSIS, therapy/
TRACHEOTOMY/ TRIAMCINOLONE
ACETONIDE, therapeutic use/ VENA CAVA,
INFERIOR, surgery/ VENA CAVA, SUPERIOR,
surgery
4092. Wagner H, Böckel K, Grote G, et al: Überprüfung des Hypophysen-Gonaden-Funktionskreises mit synthetischem LH-Releasing-Hormon bei Patienten mit primärem Hypogonadismus vor und während Therapie. Med Welt 24:1537-9, 5 Oct 73 (Ger)
ADULT/ ANDROSTANES, therapeutic use/
*GONADS, metabolism/ HUMAN/
*HYPOGONADISM, metabolism/ KETONES, therapeutic use/ *LH-FSH RELEASING HORMONE, metabolism/ LH-FSH RELEASING HORMONE, therapeutic use/ MALE/
*PITUITARY GLAND, metabolism/
STERILITY, MALE, drug therapy
4093. Wagner H, Wyss C: Cell-mediated immune responses in vitro. V. A comparative study of in vitro immunogenicity of splenic lymphocytes, neoplastic lymphoid cells and fibroblasts. Eur J Immunol 3:549-55, Sep 73
ANIMAL EXPERIMENTS/ BONE MARROW CELLS, immunology/ CHROMIUM RADIOISOTOPES/ COMPARATIVE STUDY/ CORTISONE, administration & dosage/ CYTOTOXICITY TESTS, IMMUNOLOGIC/ FEMALE/ *FIBROBLASTS, immunology/ HISTOCOMPATIBILITY ANTIGENS/
*IMMUNITY, CELLULAR/ INJECTIONS, INTRAPERITONEAL/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPH NODES, cytology/
*LYMPHOCYTES, immunology/
LYMPHOCYTES, radiation effects/ MICE/ MITOMYCIN/ *NEOPLASMS, immunology/
RADIATION EFFECTS/ SARCOMA, MAST CELL, immunology/ *SPLEEN, cytology/
THYMECTOMY/ THYMIDINE, metabolism/
THYMOMA, immunology/ THYMUS GLAND, cytology/ TRITIUM
4094. Wagner ML, Harberg FJ, Kumar AP, et al: The evaluation of imperforate anus utilizing percutaneous injection of water-soluble iodide contrast material. Pediatr Radiol 1:34-40, Mar 73
ANUS, IMPERFORATE, complications/ *ANUS, IMPERFORATE, radiography/ BONE AND BONES, abnormalities/ *CONTRAST MEDIA, administration & dosage/ HUMAN/ INFANT, NEWBORN/ INJECTIONS, SUBCUTANEOUS/ IODIDES, administration & dosage/ *IODIDES, diagnostic use/ MALE/ RECTAL FISTULA, complications/ URINARY TRACT, abnormalities
4095. Wagner VP, Smale LE: Androgen and estrogen production by a lipid ovarian tumor. Obstet Gynecol 42:903-6, Dec 73
ADULT/ *ANDROGENS, biosynthesis/ CASTRATION/ ESTRADIOL, analysis/
*ESTROGENS, biosynthesis/ FEMALE/
HUMAN/ HYDROXYPROGESTERONE, analysis/
*LIPIDS, metabolism/ *OVARIAN NEOPLASMS, metabolism/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ PROGESTERONE, analysis/ TESTOSTERONE, analysis
4096. Wahl R, Bohner J, Oekonomopoulos R, et al: Einfluß von Diiodphenolsulfonsäure (DJPS) auf den Jodstoffwechsel der Ratte und auf die Bindung von Thyroxin an Humanserumpräalbumin. Arzneim Forsch 23:1009-14, Aug 73 (Ger)
ANIMAL EXPERIMENTS/
BENZENESULFONATES, metabolism/
BENZENESULFONATES, pharmacodynamics/
BLOOD PROTEIN ELECTROPHORESIS/
CHROMATOGRAPHY, THIN LAYER/
DOSE-RESPONSE RELATIONSHIP, DRUG/
ENGLISH ABSTRACT/ ERYTHROCYTES, metabolism/ FEMALE/ HUMAN/ IN VITRO/
IODINE RADIOISOTOPES, administration & dosage/ IODINE RADIOISOTOPES, metabolism/
*IODINE RADIOISOTOPES, pharmacodynamics/ IODINE RADIOISOTOPES, toxicity/ IODOBENZENES, metabolism/
*IDOBENZENES, pharmacodynamics/ MUSCLE CRAMP, chemically induced/ PROTEIN BINDING/ PROTEIN-BOUND IODINE TEST/ RATS/ *SERUM ALBUMIN, metabolism/
*THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID GLAND FUNCTION TESTS/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism
4097. Wahnner HW: Diagnosing thyroid disease by selected laboratory tests. Geriatrics 29:83-6 passim, Jan 74
HUMAN/ IODIDES, metabolism/ IODINE ISOTOPES, DIAGNOSTIC/ *THYROID DISEASES, diagnosis/ THYROID GLAND, physiology/ *THYROID GLAND FUNCTION TESTS/ THYROTROPIN, diagnostic use/ THYROTROPIN RELEASING HORMONE, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROXINE, blood/ THYROXINE-BINDING PROTEIN, metabolism/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, diagnostic use
4098. Waisbrod H: Congenital club foot. An anatomical study. J Bone Joint Surg [Br] 55:796-801, Nov 73
BONE AND BONES, anatomy & histology/
*CLUBFOOT, embryology/ FEMALE/ *FOOT, anatomy & histology/ FOOT, embryology/
HUMAN/ MALE
4099. Wait B: Protein intake of well-nourished children and adolescents. Am J Clin Nutr 28:1303-10, Dec 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
BODY HEIGHT/ BODY SURFACE AREA/
BODY WEIGHT/ CHILD/ CHILD, INSTITUTIONALIZED/ *CHILD NUTRITION/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DIET/ *DIETARY PROTEINS/ FEMALE/ FOOD ANALYSIS/ HUMAN/ INFANT/ MALE/ NITROGEN, analysis/
NUTRITIONAL REQUIREMENTS/ PUBERTY/
SEX FACTORS
4100. Wajda IJ, Manigault I, Hudick JP, et al: Regional and subcellular distribution of choline acetyltransferase in the brain of rats. J Neurochem 21:1385-401, Dec 73
ACETYLTRANSFERASES, antagonists & inhibitors/ *ACETYLTRANSFERASES, metabolism/ ALCOHOLS, BUTYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ BRAIN, cytology/ *BRAIN, enzymology/ CELL NUCLEUS, enzymology/ CENTRIFUGATION, DENSITY GRADIENT/ CEREBRAL CORTEX, enzymology/ CHOLINE/ CORPUS STRIATUM, enzymology/ EDTA, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, enzymology/
MALE/ MICROSOMES, enzymology/
MITOCHONDRIA, enzymology/ MONOAMINE OXIDASE, metabolism/ NERVE ENDINGS, enzymology/ NERVE TISSUE PROTEINS, metabolism/ OSMOTIC PRESSURE/
POTASSIUM, metabolism/ RATS/ SUCROSE/ SYNAPTOSOMES, enzymology
4101. Wajdowicz A, Swierczek J, Paradysz A: Wpływ obciążenia glukozą na zachowanie się wolnych kwasów tłuszczowych (FFA) w osoczu kobiet z niewydolnością podwzgórza. Endokrynol Pol 24:371-5, Sep-Oct 73 (Pol)
ADOLESCENCE/ ADULT/ *BLOOD SUGAR, analysis/ *ENDOCRINE DISEASES, blood/
ENGLISH ABSTRACT/ FASTING/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/
GLUCOSE TOLERANCE TEST/ HUMAN/
*HYPOTHALAMUS/ PREGNANCY
4102. Wakabayashi K, Isurugi K, Tamaoki B, et al: Serum levels of luteinizing hormone (LH) and follicle-stimulating hormone (FSH) in subjects accidentally exposed to 192Ir gamma rays. J Radiat Res (Tokyo) 14:297-303, Sep 73
*ACCIDENTS, INDUSTRIAL/ ADULT/ *FSH, blood/ HUMAN/ *IRIDIUM, adverse effects/
*LH, blood/ MALE/ *RADIATION INJURIES, blood/ *RADIOISOTOPES, adverse effects
4103. Wakerley JB, Lincoln DW: Proceedings: Unit activity in the supra-optic nucleus during reflex milk ejection. J Endocrinol 59:xlvi-xlvii, Nov 73
ACTION POTENTIALS/ FEMALE/
*HYPOTHALAMUS, physiology/ *LACTATION/

AUTHOR SECTION

NEURONS, physiology/ PREGNANCY/ RATS/
*REFLEX

4104. Waldmeyer P, De Herdt P, Maitre L: Simultaneous automated estimation of noradrenaline and dopamine in brain tissue. *Clin Chem* 20:81-3, 1974
ANIMAL EXPERIMENTS/ AUTOANALYSIS/
BRAIN, drug effects/ BRAIN, metabolism/
*BRAIN CHEMISTRY/ COMPARATIVE
STUDY/ COSTS AND COST ANALYSIS/
*DOPAMINE, analysis/ *EPINEPHRINE,
analysis/ EVALUATION STUDIES/ FEMALE/
HYPOTHALAMUS, analysis/ METHODS/
PARGYLINE, pharmacodynamics/ RATS/
SPECTROMETRY, FLUORESCENCE/
TYRAMINE, pharmacodynamics

4105. Wall AJ, Levinson JD, Refetoff S: Hyperthyroidism and adult celiac disease.
Am J Gastroenterol 60:387-93, Oct 73
ADULT/ AUTOIMMUNE DISEASES/ BIOPSY/
DIET THERAPY/ FEMALE/ GLUTEN, adverse
effects/ HUMAN/ *HYPERTHYROIDISM,
complications/ HYPERTHYROIDISM, drug
therapy/ IODINE RADIOISOTOPES/ JEJUNUM,
pathology/ LONG-ACTING THYROID
STIMULATOR, diagnostic use/ PREDNISONE,
therapeutic use/ PREGNANCY/ *SPRUE,
etiology/ SPRUE, therapy/ THYROID
HORMONES, therapeutic use

4106. Wallace RA, Ho T, Salter DW, et al: Protein incorporation by isolated amphibian oocytes. IV. The role of follicle cells and calcium during protein uptake. *Exp Cell Res* 82:287-95, Dec 73
ANIMAL EXPERIMENTS/
AUTORADIOGRAPHY/ BIOLOGICAL
TRANSPORT/ BLOOD PROTEINS, metabolism/
*CALCIUM, pharmacodynamics/ CARBON
RADIOISOTOPES/ EDTA, pharmacodynamics/
ESTRADIOL/ FEMALE/ GRAAFIAN
FOLLICLE, cytology/ GRAAFIAN FOLLICLE,
drug effects/ *GRAAFIAN FOLLICLE,
metabolism/ HISTOCYTOCHEMISTRY/
ISOTOPE LABELING/ OVUM, cytology/
OVUM, drug effects/ *OVUM, metabolism/
*PROTEINS, metabolism/ TIME FACTORS/
TRITIUM/ XENOPUS

4107. Walsh LL, Grossman SP: Zona incerta lesions: disruption of regulatory water intake.
Physiol Behav 11:885-7, Dec 73
ANIMAL EXPERIMENTS/ APPETITE
REGULATION/ *DIENCEPHALON, physiology/
*DRINKING/ EATING/ FOOD DEPRIVATION/
HYPOTHALAMUS, physiology/ MALE/
NEURAL INTERCONNECTIONS/ RATS

4108. Walsh PC, Swerdloff RS, Odell WD: Feedback control of FSH in the male: role of oestrogen.
Acta Endocrinol (Kbh) 74:449-60, Nov 73
AGED/ CARCINOMA, therapy/ *CASTRATION/
DEPRESSION, CHEMICAL/ DOSE-RESPONSE
RELATIONSHIP, DRUG/ ETHINYL
ESTRADIOL, pharmacodynamics/ *ETHINYL
ESTRADIOL, therapeutic use/ FEEDBACK/
*FSH, blood/ HUMAN/ *LH, blood/ MALE/
MIDDLE AGE/ PROSTATIC NEOPLASMS,
therapy/ RADIOIMMUNOASSAY/ TIME
FACTORS

4109. Walter P, Anabitar M: Intracellular distribution of pyruvate carboxylase in livers of normal and cortisol treated rats. *FEBS Lett* 37:170-3, 1 Dec 73
ANIMAL EXPERIMENTS/ CELL
FRACTIONATION/ COMPARATIVE STUDY/
FASTING/ GLUTAMATE DEHYDROGENASE,
metabolism/ *HYDROCORTISONE,
pharmacodynamics/ LIVER, cytology/ LIVER,
drug effects/ *LIVER, enzymology/ MALE/
PHOSPHATES, pharmacodynamics/ PYRUVATE
CARBOXYLASE, analysis/ *PYRUVATE
CARBOXYLASE, metabolism/ RATS/
SUBCELLULAR FRACTIONS, drug effects/
SUBCELLULAR FRACTIONS, enzymology

4110. Walter R, Griffiths EC, Hooper KC: Production of MSH-release-inhibiting hormone by a particulate preparation of hypothalamus: mechanisms of oxytocin inactivation. *Brain Res* 60:449-57, 12 Oct 73

ANIMAL EXPERIMENTS/ BRAIN
CHEMISTRY/ CARBON RADIOISOTOPES/
HYPOTHALAMUS, analysis/
*HYPOTHALAMUS, metabolism/ *MSH,
antagonists & inhibitors/ *OLIGOPEPTIDES,
biosynthesis/ *OXYTOCIN, metabolism/
*PITUITARY HORMONE RELEASING
HORMONES, antagonists & inhibitors/
RABBITS/ RATS

4111. Wang YC, Hsü CC, Hsieh TM: [Interpretations of radiographic signs of cartilaginous lesions]
Chin Med J 12:728-33, Dec 73 (Chi)
AGED/ ANIMAL EXPERIMENTS/
CALCINOSIS, radiography/ CARTILAGE
DISEASES, congenital/ *CARTILAGE
DISEASES, radiography/ CHILD/ ENGLISH
ABSTRACT/ FRACTURES, radiography/
HUMAN/ INFANT/ RABBITS/ RATS/
RICKETS, radiography/ WOUND HEALING

4112. Ward VJ, Manson JD: Alveolar bone loss in periodontal disease and the metacarpal index.
J Periodontol 44:783-9, Dec 73
ADULT/ *ALVEOLAR PROCESS, radiography/
BONE RESORPTION, pathology/ *BONE
RESORPTION, radiography/ FEMALE/
HUMAN/ MALE/ *METACARPUS, radiography/
OSTEOPOROSIS, complications/
PERIODONTAL DISEASES, pathology/
PERIODONTAL DISEASES, radiography/
*PERIODONTAL INDEX/ PERIODONTITIS,
pathology/ *PERIODONTITIS, radiography/
TIME FACTORS

4113. Warden JC: Beta-adrenergic blocking drugs in anaesthesia. *Anaesth Intensive Care* 1:289-92, May 73
*ADRENERGIC BETA RECEPTOR
BLOCKADERS/ ADRENERGIC BETA
RECEPTOR BLOCKADERS, pharmacodynamics/
ADRENERGIC BETA RECEPTOR
BLOCKADERS, therapeutic use/
*ANESTHESIA/ ANGINA PECTORIS, drug
therapy/ ARRHYTHMIA, drug therapy/
CARDIAC OUTPUT, drug effects/
CARDIOVASCULAR SYSTEM, drug effects/
HEART RATE, drug effects/ HUMAN/
HYPERTENSION, drug therapy/
HYPERTHYROIDISM, drug therapy/
PHEOCHROMOCYTOMA, drug therapy/
PROPRANOLOL, pharmacodynamics/
SURGERY, OPERATIVE/ TACHYCARDIA,
drug therapy

4114. Waroński W, Kasperczyk W: Wartość oznaczania aktywności frakcji termostabilnej fosfatazy zasadowej dla oceny czynności łożyska w świetle badań elektroforetycznych na żelu poliakrylamidowym.
Ginek Pol 44:1295-302, Nov 73 (Pol)
*ALKALINE PHOSPHATASE, blood/
COMPARATIVE STUDY/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
*PLACENTA, enzymology/ PLACENTA,
physiology/ PREGNANCY

4115. Wasserman RH, Taylor AN: Physiological significance of the vitamin D-dependent calcium-binding protein. *Trlangle* 12:119-27, 1973
ANIMAL EXPERIMENTS/ *CALCIUM,
metabolism/ CHICKENS/ CHOLECALCIFEROL,
metabolism/ DUODENUM/ INTESTINAL
MUCOSA, analysis/ KIDNEY, analysis/
*PROTEIN BINDING, drug effects/
PROTEINS, isolation & purification/ RATS/
VITAMIN D, metabolism/ *VITAMIN D,
pharmacodynamics

4116. Wasyluk H, Doroszewski J: Wartość objawów i testów diagnostycznych z punktu widzenia różnicowania między nadczynnością tarczycy a stanem eutyreoz. *Pol Arch Med Wewn* 50:1211-25, Nov 73 (Pol)
DIAGNOSIS, DIFFERENTIAL/ ENGLISH
ABSTRACT/ HUMAN/ *HYPERTHYROIDISM,
diagnosis/ PROBABILITY/ THYROID GLAND
FUNCTION TESTS

4117. Wasyluk H, Roszkowska K, Jaruga E, et al: Niektóre zagadnienia symptomatyki nadczynności tarczycy w

AUTHOR SECTION

- ujęciu ilościowym.
Pol Arch Med Wewn 50:1197-209, Nov 73 (Pol)
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*HYPERTHYROIDISM, diagnosis/ MALE/
THYROID GLAND, physiopathology/ THYROID
GLAND FUNCTION TESTS
4118. Watanabe AM, Judy WV, Cardon PV: Effect of L-DOPA on blood pressure and sympathetic nerve activity after decarboxylase inhibition in cats.
J Pharmacol Exp Ther 188:107-13, Jan 74
ANIMAL EXPERIMENTS/ AUTONOMIC FIBERS, POSTGANGLIONIC, drug effects/ AUTONOMIC FIBERS, PREGANGLIONIC, drug effects/ *BLOOD PRESSURE, drug effects/ CATS/ *DOPA, pharmacodynamics/ *DOPA DECARBOXYLASE, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEART, innervation/ HEART RATE, drug effects/ IN VITRO/ KIDNEY, innervation/ METHYLDOPAHYDRAZINE, pharmacodynamics/ NEURONS, drug effects/ PRESSORECEPTORS, drug effects/ SPLANCHNIC NERVES, drug effects/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ TIME FACTORS
4119. Watanabe S, Koketsu K: 5-HT hyperpolarization of bullfrog sympathetic ganglion cell membrane.
Experientia 29:1370-2, 15 Nov 73
*ACTION POTENTIALS, drug effects/ ANIMAL EXPERIMENTS/ ATROPINE, pharmacodynamics/ ELECTRIC STIMULATION/ FROGS/ GANGLIA, AUTONOMIC, cytology/ *GANGLIA, AUTONOMIC, physiology/ IN VITRO/ NEURAL TRANSMISSION/ NICOTINE, pharmacodynamics/ RANA CATESBEIANA/ SEROTONIN, antagonists & inhibitors/ *SEROTONIN, pharmacodynamics/ TUBOCURARINE, pharmacodynamics
4120. Watari N: [Morphology associated with endocrine function]
Clin Endocrinol (Tokyo) 21:663-77, Jul 73 (106 ref.) (Jap)
ALLOXAN DIABETES, pathology/ ANIMAL EXPERIMENTS/ HIBERNATION/ HUMAN/ *ISLANDS OF LANGERHANS, anatomy & histology/ ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, pathology/ *ISLANDS OF LANGERHANS, secretion/ MICROSCOPY, ELECTRON/ REVIEW/ VITAMIN A, pharmacodynamics/ VITAMIN D, pharmacodynamics/ VITAMIN E, pharmacodynamics
4121. Watari T: [Radiation therapy of testicular tumors in children] Jap J Clin Radiol 18:710-4, Oct 73 (Jap)
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ MALE/ RADIOTHERAPY, adverse effects/ TESTICULAR NEOPLASMS, mortality/ *TESTICULAR NEOPLASMS, radiotherapy
4122. Waterman R, Schultz LH: 1 Carbon 14-labeled palmitic acid metabolism in fasted, lactating goats following nicotinic acid administration.
J Dairy Sci 56:1569-74, Dec 73
ADMINISTRATION, ORAL/ ANIMAL EXPERIMENTS/ BLOOD SUGAR, analysis/ BLOOD UREA NITROGEN/ CARBON RADIOISOTOPES/ CHOLESTEROL, blood/ DEPRESSION, CHEMICAL/ *FASTING/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIDES, blood/ *GOATS, metabolism/ KETONES, blood/ *LACTATION/ NICOTINIC ACID, administration & dosage/ *NICOTINIC ACID, pharmacodynamics/ PALMITIC ACID, administration & dosage/ *PALMITIC ACID, metabolism/ PHOSPHOLIPIDS, blood/ TRIGLYCERIDES, blood
4123. Watson EL, Tolman KG: Calcium ATPase activity in drug-induced osteomalacia.
Res Commun Chem Pathol Pharmacol 6:1079-82, Nov 73
*ADENOSINE TRIPHOSPHATASE, blood/ ALKALINE PHOSPHATASE, blood/ ANTICONVULSANTS, adverse effects/ CALCIUM/ CALCIUM, blood/ DIPHENYLHYDANTOIN, adverse effects/ ERYTHROCYTES, enzymology/ ERYTHROCYTES, metabolism/ HUMAN/ MAGNESIUM/ OSTEOMALACIA, blood/ OSTEOMALACIA, chemically induced/ *OSTEOMALACIA, enzymology/ PHENOBARBITAL, adverse effects/ PHOSPHORUS, blood/ SODIUM
4124. Watson J, Epstein R, Cohn M: Cyclic nucleotides as intracellular mediators of the expression of antigen-sensitive cells. Nature 246:405-9, 14 Dec 73
ADENOSINE/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANTIBODY FORMATION, drug effects/ ANTIBODY PRODUCING CELLS, drug effects/ CELLS, CULTURED/ DEPRESSION, CHEMICAL/ DIBUTYRYL CYCLIC AMP, antagonists & inhibitors/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ERYTHROCYTES, immunology/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ HEMOLYTIC PLAQUE TECHNIC/ *IMMUNITY, CELLULAR, drug effects/ KINETICS/ MICE/ PAPAVERINE, pharmacodynamics/ SHEEP, immunology/ SPLEEN, cytology/ SPLEEN, immunology/ THEOPHYLLINE, pharmacodynamics
4125. Watson JT, Pelster DR, Sweetmen BJ, et al: Display-oriented data system for multiple ion detection with gas chromatography-mass spectrometry in quantifying biomedically important compounds. Anal Chem 45:2071-8, Oct 73
*CATECHOLAMINES, analysis/ CHROMATOGRAPHY, GAS/ COMPUTERS, DIGITAL/ *DATA DISPLAY/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ *PROTAGLANDINS, analysis/ SPECTRUM ANALYSIS, MASS
4126. Watt DE: Beam diameter and scan velocity effects on linear bone mass measurement by photon attenuation.
Phys Med Biol 18:673-85, Sep 73
*BONE AND BONES/ ELEMENTARY PARTICLES/ METHODS/ MODELS, THEORETICAL/ *RADIOISOTOPE SCANNING
4127. Watts HG: Retroperitoneal fibrosis.
NZ Med J 79:247-51, 26 Sep 73
ADIPOSE TISSUE, pathology/ ADRENAL CORTIX HORMONES, therapeutic use/ ADULT/ AGED/ FEMALE/ HUMAN/ MALE/ METHYSERGIDE, adverse effects/ MIDDLE AGE/ PERITONEUM, pathology/ *RETROPERITONEAL FIBROSIS/ RETROPERITONEAL FIBROSIS, chemically induced/ RETROPERITONEAL FIBROSIS, diagnosis/ RETROPERITONEAL FIBROSIS, drug therapy/ RETROPERITONEAL FIBROSIS, etiology/ RETROPERITONEAL FIBROSIS, pathology/ RETROPERITONEAL FIBROSIS, radiography/ RETROPERITONEAL FIBROSIS, surgery/ URETER, pathology/ UROGRAPHY
4128. Wawryk R, Samocbowiec E, Dudkiewicz J: Wartość oznaczania ganadotropiny kosmówkowej (HCG) metodą serologiczną dla postępowania po przebiegu zafinadu gronlastego.
Ginekol Pol 44:1413-8, Dec 73 (18 ref.) (Pol)
ADULT/ AGE FACTORS/ *CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, etiology/ *CHORIOCARCINOMA, prevention & control/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ HYDATIDIFORM MOLE, complications/ HYDATIDIFORM MOLE, surgery/ *HYDATIDIFORM MOLE, urine/ METHODS/ METHOTREXATE, therapeutic use/ POSTOPERATIVE CARE/ PREGNANCY/ REVIEW/ TIME FACTORS
4129. Wayss K, Voim M: Wirkung von Lithium- und Rbodanndionen auf den Nukleinsäure-Stoffwechsel

AUTHOR SECTION

von *Tetrahymena pyriformis*, normalen und neoplastischen Säugerzellen.
Z Naturforsch [C] 28:457-60, Jul-Aug 73 (Ger)
 ANIMAL EXPERIMENTS/ CARCINOMA 256, WALKER, metabolism/ CELL LINE/ DNA, biosynthesis/ DNA, NEOPLASM, biosynthesis/ ENGLISH ABSTRACT/ FEMALE/ HELA CELLS/ HEPATOMA, metabolism/ HUMAN/ KIDNEY, metabolism/ L CELLS, drug effects/ L CELLS, metabolism/ *LITHIUM, pharmacodynamics/ LIVER, metabolism/ LIVER NEOPLASMS, metabolism/ MONKEYS/ *NEOPLASMS, EXPERIMENTAL, metabolism/ *NUCLEIC ACIDS, metabolism/ RATS/ RNA, biosynthesis/ SARCOMA, YOSHIDA, metabolism/ *TETRAHYMENA PYRIFORMIS, drug effects/ TETRAHYMENA PYRIFORMIS, metabolism/ *THIOCYANATES, pharmacodynamics

4130. Webb J, Downie WW, Dick WC, et al: Evaluation of digital joint circumference measurements in rheumatoid arthritis.

Scand J Rheumatol 2:127-31, 1973
 ANTHROPOMETRY/ ARTHRITIS, RHEUMATOID, drug therapy/ *ARTHRITIS, RHEUMATOID, pathology/ ASPIRIN, administration & dosage/ ASPIRIN, therapeutic use/ BLOOD SEDIMENTATION/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ *FINGER JOINT, pathology/ HOSPITALIZATION/ HUMAN/ PLACEBOS/ PREDNISON, administration & dosage/ PREDNISON, therapeutic use/ TIME FACTORS

4131. Weber MA, Thornell IR, Stokes GS: Effects of beta adrenergic blocking agents on plasma renin activity in the conscious rabbit.

J Pharmacol Exp Ther 188:234-40, Jan 74
 *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL EXPERIMENTS/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, analysis/ ISOPROTERENOL, antagonists & inhibitors/ ISOPROTERENOL, pharmacodynamics/ MALE/ OXPRENOLOL, pharmacodynamics/ PHOTOMETRY/ PINDOLOL, pharmacodynamics/ POTASSIUM, blood/ PROPRANOLOL, blood/ PROPRANOLOL, pharmacodynamics/ RABBITS/ RADIOIMMUNOASSAY/ *RENIN, blood/ SODIUM, blood/ TIME FACTORS

4132. Weber WT: Direct evidence for the response of B and T cells to pokeweed mitogen.

Cell Immunol 9:482-7, Dec 73
 ANIMAL EXPERIMENTS/ CELLS, CULTURED/ CHICKENS/ CONCAVALIN A/ CYCLOPHOSPHAMIDE/ IMMUNE SERUMS/ IMMUNOGLOBULINS/ KARYOTYPING/ *MITOGENS, pharmacodynamics/ MITOSIS/ SEX CHROMOSOMES/ SPLEEN, cytology/ SPLEEN, immunology

4133. Wedig JH, Gay VL, Midgley AR Jr: Can increased hepatic estrogen metabolism interfere with ovulation in the rat? Effects of chronic phenobarbital or chlordan treatment.

Proc Soc Exp Biol Med 144:796-801, Dec 73
 ANIMAL EXPERIMENTS/ CASTRATION/ CHLORDAN, administration & dosage/ *CHLORDAN, pharmacodynamics/ ENZYME INDUCTION/ ESTRADIOL, blood/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ FEMALE/ FSH, blood/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOPHYSECTOMY/ LH, secretion/ *LIVER, metabolism/ MICROSOMES, LIVER, enzymology/ *OVULATION, drug effects/ PHENOBARBITAL, administration & dosage/ *PHENOBARBITAL, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ STEROID HYDROXYLASES, metabolism/ STIMULATION, CHEMICAL

4134. Wedig JH, Gay VL, Midgley AR Jr: Potentiation of luteinizing hormone-releasing factor activities following pentobarbital anesthesia in the

steroid-blocked castrated rat.

Proc Soc Exp Biol Med 144:993-8, Dec 73
 *ANESTHESIA/ ANIMAL EXPERIMENTS/ BRAIN/ CASTRATION/ DRUG SYNERGISM/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMUS/ LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *PENTOBARBITAL, pharmacodynamics/ *PROGESTERONE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ SWINE/ TISSUE EXTRACTS, pharmacodynamics

4135. Wedig JH, Gay VL, Midgley AR Jr: CNS depression in the absence of prolactin release following intraarterial injections of sodium pentothal in the proestrous rat.

Proc Soc Exp Biol Med 144:989-92, Dec 73
 ANESTHESIA, GENERAL/ ANIMAL EXPERIMENTS/ *CENTRAL NERVOUS SYSTEM, drug effects/ ESTRUS/ FEMALE/ INJECTIONS, INTRA-ARTERIAL/ LH, blood/ OVULATION, drug effects/ PENTOBARBITAL, antagonists & inhibitors/ PENTOBARBITAL, pharmacodynamics/ PROLACTIN, blood/ *PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ *THIOPENTAL, pharmacodynamics

4136. Weeke J, Orskov H: Synthesis of 125I monolabelled 3, 5, 3'-trilodothyronine and thyroxine of maximum specific activity for radioimmunoassay.

Scand J Clin Lab Invest 32:357-60, Dec 73
 ANTIBODIES/ ANTIBODY DISSOCIATION/ GEL FILTRATION/ IMMUNE SERUMS/ IODINE RADIOISOTOPES/ METHODS/ RADIOIMMUNOASSAY/ *THYROXINE, biosynthesis/ *TRIODOTHYRONINE, biosynthesis

4137. Wehinger H: Zur Natur und ontogenetischen Entwicklung von Carboanhydrase-Isoenzymen in menschlichen Erythrozyten.

Blut 27:172-85, Sep 73 (Ger)
 ADOLESCENCE/ ADULT/ AGE FACTORS/ *CARBONIC ANHYDRASE, blood/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ ENZYME TESTS/ *ERYTHROCYTES, enzymology/ FEMALE/ GENETICS, HUMAN/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFANT, PREMATURE/ *ISOENZYMES, blood/ MALE/ SEX FACTORS/ THYROID DISEASES, enzymology

4138. Wehmann RE, Blonde L, Steiner AL: Sources of cyclic nucleotides in plasma. *J Clin Invest* 53:173-9, Jan 74

*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ ANIMAL EXPERIMENTS/ AORTA/ DOGS/ FEMORAL VEIN/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, blood/ HEPATIC VEINS/ INTESTINE, SMALL, analysis/ KIDNEY, analysis/ LIVER, analysis/ LUNG, analysis/ MALE/ MESENTERIC VEINS/ PHOSPHODIESTERASES, pharmacodynamics/ PULMONARY ARTERY/ RADIOIMMUNOASSAY/ RENAL VEINS/ TRITIUM/ VENA CAVA, INFERIOR/ VENA CAVA, SUPERIOR

4139. Welbb I, Heinick F, Blume R: Der Einfluß hypotalamischer Läsionen auf die A-B-Relation im Inselorgan der Ratte.

Endokrinologie 61:228-36, May 73 (Ger)
 ANIMAL EXPERIMENTS, FEMALE/ *HYPOTHALAMUS, physiology/ ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, pathology/ *ISLANDS OF LANGERHANS, physiology/ RATS/ RATS, INBRED STRAINS

4140. Weldinger H, Wiest W: Modellvorstellung zur Wirkung betasympathikomimetischer Substanzen.

Z Geburtshilfe Perinatol 177:223-32, Aug 73 (92 ref.) (Ger)
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, physiology/ ADENYL CYCLASE, physiology/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ EPINEPHRINE, physiology/ HEART, drug effects/ IN VITRO/

AUTHOR SECTION

- ISOPROTERENOL, pharmacodynamics/
MODELS, BIOLOGICAL/ *MUSCLE, SMOOTH,
drug effects/ RATS/ *RECEPTORS,
ADRENERGIC, drug effects/ REVIEW/
UTERUS, drug effects
4141. Weil CS, Woodside MD, Bernard JB, et al: Comparative effect of carbaryl on rat reproduction and guinea pig teratology when fed either in the diet or by stomach intubation. *Toxicol Appl Pharmacol* 26:621-38, Dec 73
*ABNORMALITIES, DRUG-INDUCED/ AGE FACTORS/ ANIMAL EXPERIMENTS/ BIRTH WEIGHT, drug effects/ BODY WEIGHT, drug effects/ COMPARATIVE STUDY/ DIET/ FETUS, drug effects/ GUINEA PIGS/ INTUBATION, GASTROINTESTINAL/ LACTATION, drug effects/ RATS/ *REPRODUCTION, drug effects/ SEVIN/ SEVIN, administration & dosage/ *SEVIN, pharmacodynamics/ TIME FACTORS
4142. Weiner M: Summary and future directions for drug-protein binding.
Ann NY Acad Sci 226:358-62, 26 Nov 73
BINDING, COMPETITIVE/ BLOOD PROTEINS, metabolism/ *DRUGS, metabolism/ HORMONES, metabolism/ KINETICS/ *PROTEIN BINDING/ TIME FACTORS
4143. Weinmann HM, Wilms E: Kurzer Erfahrungsbericht über die Wirksamkeit des Antikonvulsivums Ro 5-4023 (Clonazepam) auf verschiedene Epilepsieformen.
Acta Neurol Scand [Suppl] 124:32, 1973 (Ger)
ADOLESCENCE/ *ANTICONSULSANTS, therapeutic use/ BARBITURATES, therapeutic use/ BENZODIAZEPINONES, adverse effects/ *BENZODIAZEPINONES, therapeutic use/ CARBAMAZEPINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHLOROBENZENES, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DIPHENYLHYDANTOIN, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *EPILEPSY, drug therapy/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ INFANT/ MALE/ NITRAZEPAM, therapeutic use/ NITRO COMPOUNDS, therapeutic use/ OXYPHENBUTAZONE, therapeutic use/ SUCCINIMIDES, therapeutic use/ VALERATES, therapeutic use
4144. Weinstein D, Mauer I, Katz ML, et al: The effect of caffeine on chromosomes of human lymphocytes: a search for the mechanism of action.
Mutat Res 20:115-25, Oct 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ *CAFFEINE, pharmacodynamics/ CELLS, CULTURED/ *CHROMOSOMES, drug effects/ CHROMOSOMES, metabolism/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HUMAN/ LYMPHOCYTES, cytology/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ LYSOSOMES, drug effects/ MITOSIS, drug effects/ PHOSPHODIESTERASES, antagonists & inhibitors
4145. Weinstein RL, Keich RP, Jenner MR, et al: Secretion of unconjugated androgens and estrogens by the normal and abnormal human testis before and after human chorionic gonadotropin. *J Clin Invest* 53:1-6, Jan 74
ADULT/ *ANDROSTENEDIONE, blood/ *DEHYDROEPIANDROSTERONE, blood/ *ESTRADIOL, blood/ *ESTRONE, blood/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ TESTIS, abnormalities/ TESTIS, blood supply/ TESTIS, drug effects/ *TESTIS, metabolism/ *TESTOSTERONE, blood
4146. Weisman SA, Simon NM, Herdson PB, et al: Nephrotic syndrome in pregnancy. Clinical, histologic and fine structural studies.
Am J Obstet Gynecol 117:867-83, 1 Dec 73
ADOLESCENCE/ ADULT/ BASEMENT MEMBRANE/ BIOPSY/ CREATININE, urine/
- EPITHELIAL CELLS/ FEMALE/ FOLLOW-UP STUDIES/ GLOMERULONEPHRITIS, pathology/ HUMAN/ KIDNEY FAILURE, CHRONIC, etiology/ *KIDNEY GLOMERULUS, pathology/ MICROSCOPY, ELECTRON/ NEPHROTIC SYNDROME, complications/ NEPHROTIC SYNDROME, drug therapy/ *NEPHROTIC SYNDROME, pathology/ PREDNISONE, therapeutic use/ PREGNANCY/ PREGNANCY COMPLICATIONS, complications/ PREGNANCY COMPLICATIONS, drug therapy/ *PREGNANCY COMPLICATIONS, pathology/ PREGNANCY TOXEMIAS, pathology/ PUERPERAL DISORDERS, etiology/ SERUM ALBUMIN, analysis
4147. Weiss J: Untersuchungen über den Einfluß von Proteinmangelernährung bzw. Freilandhaltung auf die NNR-Funktion bei Masthähnchen.
Z Tierphysiol 32:42-51, Sep 73 (Ger)
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, physiopathology/ ANIMAL EXPERIMENTS/ ANIMAL FEED/ *ANIMAL NUTRITION/ *CHICKENS, metabolism/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ HOUSING, ANIMAL/ MALE/ *POULTRY DISEASES, physiopathology/ *PROTEIN-CALORIE MALNUTRITION, physiopathology
4148. Weiss J, Kabisch K: Jahreszyklische Untersuchungen der Catecholamine im Hypothalamus von Triturus vulgaris (L).
Acta Histochem (Jena) 45:319-21, 1973 (Ger)
ANIMAL EXPERIMENTS/ *BIOLOGICAL CLOCKS/ BODY TEMPERATURE/ *CATECHOLAMINES, analysis/ FEMALE/ FLUORESCENCE/ *HYPOTHALAMUS, analysis/ MALE/ SEASONS/ TEMPERATURE/ *TRITURUS, physiology
4149. Weiss L: Studies on cellular adhesion in tissue culture. XIIA. Some effects of prostaglandins and cyclic nucleotides. *Exp Cell Res* 81:57-62, Sep 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ALCOHOL, ETHYL, pharmacodynamics/ CARCINOMA, EHRlich TUMOR/ *CELL ADHESION, drug effects/ CELLS, CULTURED, drug effects/ *CELLS, CULTURED, physiology/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FLUORIDES, pharmacodynamics/ L CELLS/ MICE/ *PROSTAGLANDINS, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS/ TRYPSIN, pharmacodynamics
4150. Weiss W: Tumor doubling time and survival of men with bronchogenic carcinoma. *Chest* 65:3-8, Jan 74
ADENOCARCINOMA, mortality/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ AGED/ CARCINOMA, BRONCHOGENIC, mortality/ *CARCINOMA, BRONCHOGENIC, pathology/ CARCINOMA, BRONCHOGENIC, radiography/ CARCINOMA, BRONCHOGENIC, radiotherapy/ CARCINOMA, BRONCHOGENIC, surgery/ CARCINOMA, EPIDERMAL, mortality/ CARCINOMA, EPIDERMAL, pathology/ CARCINOMA, EPIDERMAL, surgery/ CARCINOMA, OAT CELL, mortality/ CARCINOMA, OAT CELL, pathology/ CARCINOMA, OAT CELL, radiotherapy/ FOLLOW-UP STUDIES/ HUMAN/ LUNG NEOPLASMS, mortality/ *LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, radiography/ LUNG NEOPLASMS, radiotherapy/ LUNG NEOPLASMS, surgery/ MALE/ PROGNOSIS/ TIME FACTORS
4151. Weissenfels I, Boll I: Einwirkung von Corticosteroiden (Prednisolonacetat und Triamcinolon) auf menschliches Knochenmark in vitro.
Klin Wochenschr 51:907-14, 15 Sep 73 (Ger)
ALKALINE PHOSPHATASE, metabolism/ *BONE MARROW CELLS, drug effects/ BONE MARROW CELLS, enzymology/ CULTURE MEDIA/ ENGLISH ABSTRACT/ ERYTHROPOIESIS, drug effects/ HUMAN/ IN VITRO/ LEUKOCYTES, drug effects/

AUTHOR SECTION

- LYMPHOCYTES, drug effects/ MALE/
MITOSIS, drug effects/ *PREDNISOLONE,
pharmacodynamics/ RETICULOCYTES, drug
effects/ TIME FACTORS/ *TRIAMCINOLONE,
pharmacodynamics
4152. Weizel A: Lipidsenkende Arzneimittel.
Dtsch Med Wochenschr 98:2426, 14 Dec 73 (Ger)
*ANTILIPEMIC AGENTS, therapeutic use/
*ARTERIOSCLEROSIS, drug therapy/
*CHOLESTYRAMINE, adverse effects/
*CLOFIBRATE, adverse effects/ HUMAN/
*NICOTINIC ACID, adverse effects/
*THYROXINE, adverse effects
4153. Weisman HN: Letter: Metastatic thyroid carcinoma.
JAMA 227:439, 28 Jan 74
*CARCINOMA, therapy/ HUMAN/ *NEOPLASM
METASTASIS, therapy/ *THYROID
NEOPLASMS, therapy
4154. Wells SA Jr, Christensen C: The transplanted
parathyroid gland: evaluation of cryopreservation and
other environmental factors which affect its function.
Surgery 75:49-55, Jan 74
ANIMAL EXPERIMENTS/ CALCIUM, blood/
CULTURE MEDIA/ DIMETHYL SULFOXIDE/
*FREEZING/ HYPOCALCEMIA, blood/
METHODS/ PARATHYROID GLANDS,
cytology/ PARATHYROID GLANDS,
physiology/ *PARATHYROID GLANDS,
transplantation/ RATS/ TEMPERATURE/
TIME FACTORS/ *TISSUE PRESERVATION/
TRANSPLANTATION, HOMOLOGOUS
4155. Weman B, Nobin A: The pars intermedia of the mink,
Mustela vison. Fluorescence, light and electron
microscopical studies.
Z Zellforsch Mikrosk Anat 143:313-27, 18 Oct 73
ANIMAL EXPERIMENTS/ CATECHOLAMINES,
analysis/ FEMALE/ METYRAPON,
pharmacodynamics/ MICROSCOPY,
ELECTRON/ MICROSCOPY, FLUORESCENCE/
*MINK, anatomy & histology/ PHOTIC
STIMULATION/ PITUITARY GLAND, analysis/
*PITUITARY GLAND, cytology/ PITUITARY
GLAND, drug effects/ SPECTROMETRY,
FLUORESCENCE
4156. Wen SF: Micropuncture studies of phosphate transport
in the proximal tubule of the dog. The relationship to
sodium reabsorption. J Clin Invest 53:143-53, Jan 74
ABSORPTION/ ACETAZOLAMIDE,
pharmacodynamics/ ANIMAL EXPERIMENTS/
BIOLOGICAL TRANSPORT, drug effects/
CALCIUM CHLORIDE, pharmacodynamics/
DOGS/ FEMALE/ INULIN, diagnostic use/
KIDNEY TUBULES, PROXIMAL, drug effects/
*KIDNEY TUBULES, PROXIMAL, metabolism/
MALE/ PARATHYROID GLANDS, physiology/
PARATHYROID HORMONE,
pharmacodynamics/ *PHOSPHATES,
metabolism/ PUNCTURES/ *SODIUM,
metabolism/ SODIUM CHLORIDE,
pharmacodynamics/ THYROID GLAND,
physiology/ THYROIDECTOMY
4157. Wenberg GM, Holland JC: The circannual variations of
some of the hormones of the woodchuck (Marmota
monax).
Comp Biochem Physiol [A] 46:523-35, 1 Nov 73
AGE FACTORS/ ANIMAL EXPERIMENTS/
AROUSAL/ EPINEPHRINE, urine/
ESTROGENS, urine/ FEMALE/
FLUOROMETRY/ HIBERNATION/
*HORMONES, urine/ HYDROXYSTEROIDS,
urine/ 17-KETOSTEROIDS, urine/ MALE/
NOREPINEPHRINE, urine/ PERIODICITY/
*RODENTS, physiology/ SEX FACTORS/
SPECTROPHOTOMETRY/ VANILMANDELIC
ACID, urine
4158. Wenig C: Stauungspapille bei Ulcusblutung.
Med Welt 24:1473-6, 28 Sep 73 (Ger)
ADRENAL CORTEX HORMONES, adverse
effects/ ADULT/ CASE REPORT/ HUMAN/
MALE/ *PAPILLEDOMA, etiology/ PEPTIC
ULCER HEMORRHAGE, chemically induced/
*PEPTIC ULCER HEMORRHAGE,
complications/ *STOMACH ULCER,
complications/ *VISION DISORDERS, etiology
4159. Werner C, Göbel U, Kramartz N, et al:
Plazentareifungsstörungen und Schweregrad des
Morbus haemolyticus neonatorum.
Geburtshilfe Frauenheilkd 33:776-85, Oct 73 (Ger)
BIOMETRY/ BIRTH WEIGHT/ COMPARATIVE
STUDY/ ENGLISH ABSTRACT/
*ERYTHROBLASTOSIS, FETAL, complications/
ERYTHROBLASTOSIS, FETAL, pathology/
FEMALE/ HUMAN/ INFANT, NEWBORN/
MICROSCOPY, PHASE CONTRAST/
*PLACENTA DISORDERS, etiology/
PLACENTA DISORDERS, pathology/
PREGNANCY/ RH FACTORS
4160. Werning C: Reninbestimmung zur Diagnose,
Differentialtherapie und Prognose von Hypertonien.
Hippokrates 44:329-31, Oct 73 (9 ref.) (Ger)
DIAGNOSIS, DIFFERENTIAL/ HUMAN/
*HYPERTENSION, blood/ HYPERTENSION,
diagnosis/ HYPERTENSION, therapy/
PROGNOSIS/ *RENIN, blood/ REVIEW
4161. Wessels F, Wagner H, Zierden E: Zur Bedeutung des
Elektrolythaushaltes für die Pathogenese der
Glukosetoleranzstörung beim
Desoxycorticosteron-Hochdruck der Ratte.
Med Welt 24:1605-6, 19 Oct 73 (Ger)
ANIMAL EXPERIMENTS/
DESOXYCORTICOSTERONE/ *GLUCOSE,
metabolism/ GLUCOSE TOLERANCE TEST/
HYPERTENSION, chemically induced/
*HYPERTENSION, metabolism/ *METABOLIC
DISEASES, etiology/ RATS/
*WATER-ELECTROLYTE BALANCE
4162. Wessinghage D: Periarthropathia humeroscapularis.
Dtsch Med Wochenschr 98:2099-100, 2 Nov 73 (Ger)
ACUTE DISEASE/ ANALGESICS AND
ANTIPYRETICS, therapeutic use/
AUTONOMIC NERVE BLOCK/ CHRONIC
DISEASE/ CORTISONE, therapeutic use/
HUMAN/ *HUMERUS/ PERIARTHRITIS,
etiology/ PERIARTHRITIS, radiotherapy/
PERIARTHRITIS, surgery/ *PERIARTHRITIS,
therapy/ PHYSICAL THERAPY/ *SCAPULA
4163. Wexler BC, Lutmer RF: Changes in myocardial
thiamine in arteriosclerotic and non-arteriosclerotic
rats subjected to isoprenaline induced myocardial
infarction. Br J Exp Pathol 54:479-91, Oct 73
ADRENAL GLANDS/ ANIMAL
EXPERIMENTS/ *ARTERIOSCLEROSIS,
metabolism/ BREEDING/ FEMALE/
*ISOPROTERENOL/ KIDNEY/ MALE/
*MYOCARDIAL INFARCT, chemically induced/
*MYOCARDIUM, analysis/ MYOCARDIUM,
pathology/ NECROSIS/ ORGAN WEIGHT/
RATS/ SEX FACTORS/ *THIAMINE, analysis/
TIME FACTORS
4164. Whalen RE, Gorzalka BB: Estrogen-progesterone
interactions in uterus and brain of intact and
adrenalectomized immature and adult rats.
Endocrinology 91:214-23, Jan 74
ADRENAL GLANDS, physiology/
ADRENALCTOMY/ AGING/ ANIMAL
EXPERIMENTS/ *BRAIN, metabolism/
CASTRATION/ DRUG INTERACTIONS/
*ESTRADIOL, pharmacodynamics/ ESTRONE,
pharmacodynamics/ FEMALE/ OVARY,
physiology/ *PROGESTERONE, metabolism/
RATS/ TIME FACTORS/ TRITIUM/ *UTERUS,
metabolism
4165. Wheatley DN, Angus B: Inhibition of cell division in
mammalian cell cultures by hypertonic medium.
Experientia 29:1393-5, 15 Nov 73
CALCIUM, pharmacodynamics/ CELL LINE/
*CELLS, CULTURED/ COLCHICINE,
pharmacodynamics/ FEMALE/ FIBROBLASTS/
HAMSTERS/ HELA CELLS/ HUMAN/
*HYPERTONIC SOLUTIONS/ KIDNEY/
LITHIUM, pharmacodynamics/ MAGNESIUM,
pharmacodynamics/ *MITOSIS, drug effects/
OVARY/ POTASSIUM, pharmacodynamics/
TIME FACTORS

AUTHOR SECTION

4166. Wheeler AG, Land RB: Proceedings: Breed and seasonal variation in the incidence of oestrus and ovulation in the sheep. *J Reprod Fertil* 35:583-4, Dec 73
ANIMAL EXPERIMENTS/ *ESTRUS/
FEMALE/ LAPAROSCOPY/ *OVULATION/
*SEASONS/ *SHEEP, physiology/ SPECIES SPECIFICITY
4167. Whelton MJ: Sclerosing cholangitis. *Clin Gastroenterol* 2:163-73, Jan 73 (17 ref.)
AGE FACTORS/ ANTIBIOTICS, therapeutic use/ ANTIFUNGAL AGENTS, therapeutic use/ BACTERIAL INFECTIONS, drug therapy/ BILE DUCT NEOPLASMS, pathology/ BLOOD SEDIMENTATION/ CHOLANGIOGRAPHY/ *CHOLANGITIS, complications/ CHOLANGITIS, diagnosis/ CHOLANGITIS, drug therapy/ CHOLANGITIS, etiology/ CHOLANGITIS, pathology/ CHOLANGITIS, surgery/ CHOLELITHIASIS, complications/ COLITIS, ulcerative, complications/ COMMON BILE DUCT, pathology/ ERYTHROCYTES/ FEMALE/ HUMAN/ JAUNDICE, OBSTRUCTIVE, etiology/ MALE/ POSTOPERATIVE COMPLICATIONS/ PREDNISOLONE, therapeutic use/ REVIEW/ SCLEROSIS, complications/ SEX FACTORS/ VITAMINS, therapeutic use
4168. Whitehead N, Reyner F, Lindenbaum J: Megaloblastic changes in the cervical epithelium. Association with oral contraceptive therapy and reversal with folic acid. *JAMA* 228:1421-4, 17 Dec 73
*ANEMIA, MACROCYTIC, chemically induced/ ANEMIA, MACROCYTIC, pathology/ *CERVIX UTERI, pathology/ *CONTRACEPTIVES, ORAL, adverse effects/ EPITHELIUM, pathology/ FEMALE/ FOLIC ACID, metabolism/ *FOLIC ACID, therapeutic use/ *FOLIC ACID DEFICIENCY, chemically induced/ FOLIC ACID DEFICIENCY, complications/ FOLIC ACID DEFICIENCY, metabolism/ FOLIC ACID DEFICIENCY, pathology/ HEMATOCRIT/ HUMAN/ PREGNANCY/ TIME FACTORS/ VAGINAL SMEARS
4169. Whitehouse BJ, Vinson GP: Proceedings: The biosynthesis and compartmental arrangement of steroids formed from (3H)-pregnenolone and (14C)acetate by interrenal tissue from a teleost fish, *Coregonus clupeoides*. *J Endocrinol* 59:38-9, Nov 73
*ACETATES, metabolism/ *ADRENAL GLANDS, metabolism/ ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ *FISHES, metabolism/ *PREGNENOLONE, metabolism/ *STERIODS, metabolism/ TRITIUM
4170. Whitehouse JM, Fairley G: Auto-antibodies in malignant disease. *Bull Soc Sci Med Grand Duche Luxemb* 110:197-202, Nov 73
ADENOCARCINOMA, immunology/ *ANTIBODIES, NEOPLASM/ ANTIGENS/ ANTIGENS, NEOPLASM/ *AUTOANTIBODIES/ BREAST NEOPLASMS, immunology/ BRONCHIAL NEOPLASMS, immunology/ CARCINOMA, immunology/ FETUS, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IGG/ IGM/ LUNG, immunology/ MELANOMA, immunology/ *NEOPLASMS, immunology/ NEUROBLASTOMA, immunology/ OVARIAN NEOPLASMS, immunology
4171. Whitelocke RA, Eakins KE: Proceedings: A comparison of some derivatives of phloretin as prostaglandin antagonists. *Exp Eye Res* 17:395-6, 25 Nov 73
ANIMAL EXPERIMENTS/ EYE DISEASES, drug therapy/ INTRAOCULAR PRESSURE, drug effects/ MOLECULAR WEIGHT/ *PHLORETIN, pharmacodynamics/ *PROSTAGLANDINS, antagonists & inhibitors/ RABBITS
4172. Whitfield JF, MacManus JP, Rixon RH, et al: The calcium-independent stimulation of thymic lymphoblast DNA synthesis by low cyclic GMP concentrations. *Proc Soc Exp Biol Med* 144:808-12, Dec 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ *DNA, biosynthesis/ GUANINE NUCLEOTIDES, pharmacodynamics/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, administration & dosage/ *GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ HUMAN/ IN VITRO/ *LYMPHOCYTES, metabolism/ MITOSIS, drug effects/ RATS/ STIMULATION, CHEMICAL/ THYMIDINE, metabolism/ *THYMUS GLAND, metabolism/ TRITIUM
4173. Whitmore WF Jr: Proceedings: Germinal testis tumors in adults. *Proc Natl Cancer Conf* 7:793-801, 1973 (85 ref.)
ADULT/ DISGERMINOMA, radiotherapy/ DISGERMINOMA, surgery/ HUMAN/ LYMPH NODE EXCISION/ LYMPHATIC METASTASIS/ MALE/ REVIEW/ *TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery/ TESTICULAR NEOPLASMS, therapy/ TESTIS, pathology/ TESTIS, surgery
4174. Wible M, Baltus E: Protéine kinase de l'ovaire, des oocytes ovariens et des oocytes ayant subi la maturation et l'ovulation in vitro, chez *Xenopus laevis*. *Arch Int Physiol Biochim* 81:813, Oct 73 (Fre)
AGING/ ANIMAL EXPERIMENTS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ FEMALE/ IN VITRO/ *OVARY, enzymology/ *OVULATION/ *OVUM, enzymology/ OVUM, growth & development/ *PROTEIN KINASE, metabolism/ XENOPUS
4175. Wiedemann HR: Exomphalos-Makroglossie-Gigantismus-Syndrom, Berardinelli-Selp-Syndrom und Sotos-Syndrom--eine vergleichende Betrachtung unter ausgewählten Aspekten. *Z Kinderheilkd* 115:193-207, 1 Oct 73 (Ger)
*ABNORMALITIES, MULTIPLE, diagnosis/ ABNORMALITIES, MULTIPLE, radiography/ ACROMEGALY, familial & genetic/ ADRENAL GLAND DISEASES/ BRAIN DISEASES/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ *GIGANTISM, diagnosis/ HEPATOMEGALY/ HUMAN/ INFANT/ INFANT, NEWBORN/ LIPODYSTROPHY/ MENTAL RETARDATION/ PITUITARY DISEASES/ SPLENOMEGALY/ SYNDROME/ *TONGUE, abnormalities/ UMBILICAL HERNIA/ UMBILICUS, abnormalities
4176. Wieland RG, Zorn EM, Hallberg MC: Differential studies on the mechanism of serum androgen and androgen-binding abnormalities in hirsutism. *Am J Obstet Gynecol* 117:983-6, 1 Dec 73
ANDROGENS, antagonists & inhibitors/ *ANDROGENS, blood/ ANDROGENS, metabolism/ BETA GLOBULIN, metabolism/ ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FEMALE/ *HIRSUTISM, blood/ HIRSUTISM, complications/ HUMAN/ MENSTRUATION DISORDERS, blood/ MENSTRUATION DISORDERS, complications/ OBESITY, complications/ PREDNISONE, pharmacodynamics/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ STANOLONE, blood/ STEIN-LEVENTHAL SYNDROME, blood/ TESTOSTERONE, blood
4177. Wieser PB, Fain JN: Effects of adrenochrome and sodium perborate on isolated fat cell metabolism. *Biochem Pharmacol* 22:3209-16, 15 Dec 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, drug effects/ *ADRENOCROME, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BORATES, pharmacodynamics/ CARBON RADIOISOTOPES/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE,

AUTHOR SECTION

- metabolism/ FEMALE/ FLUORIDES,
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pharmacodynamics/ STIMULATION,
CHEMICAL/ THEOPHYLLINE,
pharmacodynamics/ TRYPSIN,
pharmacodynamics/ TRYPSIN INHIBITORS,
pharmacodynamics
4178. Wilczek H, Pacovský V: Kotázce rezistence na terapii vitamínem.
Cas Lek Cesk 112:1249-52, 12 Oct 73 (Cze)
DRUG RESISTANCE/ ENGLISH ABSTRACT/
HUMAN/ KIDNEY FAILURE, CHRONIC, drug
therapy/ *VITAMIN D, therapeutic use
4179. Wildt DE, Fujimoto S, Spencer JL, et al: Direct ovarian
observation in the pig by means of laparoscopy.
J Reprod Fertil 35:541-3, Dec 73
ANIMAL EXPERIMENTS/ CORPUS LUTEUM,
anatomy & histology/ ESTRUS/ FEMALE/
GRAAFIAN FOLLICLE, anatomy & histology/
LAPAROSCOPY/ METHODS/ *OVARY,
anatomy & histology/ OVULATION/ *SWINE,
anatomy & histology
4180. Wilken J, Menzel G: Klinische Untersuchungen zur
Ermittlung möglicher Zusammenhänge zwischen
gestörtem Sexualhormonhaushalt und
Veränderungen an der Gingiva.
Dtsch Stomatol 23:879-85, Sep 73 (Ger)
ADULT/ AMENORRHEA, complications/
CASTRATION/ ENGLISH ABSTRACT/
FEMALE/ *GINGIVAL DISEASES,
complications/ GINGIVITIS, complications/
HUMAN/ ORAL HYGIENE/ *OVARIAN
DISEASES, complications/ TURNER'S
SYNDROME, complications
4181. (Williams CD): Rickets in Singapore by Cicely D.
Williams from Archives of Diseases in Childhood
21:37, 1946. Nutr Rev 31:358-9, Nov 73
CHILD/ CHILD, PRESCHOOL/ CURRENT
BIOG-OBIT/ HISTORICAL ARTICLE/
HISTORY OF MEDICINE, 20TH CENT./
HUMAN/ INFANT/ INFANT NUTRITION/
MORTALITY/ NUTRITION DISORDERS,
occurrence/ *RICKETS, history/ SINGAPORE
4182. Williams HE: Editorial: Calcium nephrolithiasis and
cellulose phosphate. N Engl J Med 290:224-5, 24 Jan 74
*CALCIUM, metabolism/ CALCIUM, urine/
*CELLULOSE, therapeutic use/ HUMAN/
*KIDNEY CALCULI, drug therapy/ KIDNEY
CALCULI, etiology/ KIDNEY CALCULI,
metabolism/ KIDNEY CALCULI, urine/
*ORGANOPHOSPHORUS COMPOUNDS,
therapeutic use
4183. Williams JS, Clermont HG: Thoracic duct lymph flow
and acid phosphatase response to steroid in
experimental shock. Ann Surg 178:777-80, Dec 73
ACID PHOSPHATASE, antagonists &
inhibitors/ ACID PHOSPHATASE, blood/
*ACID PHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ COLORIMETRY/ DOGS/
LYMPH, enzymology/ *LYSOSOMES,
enzymology/ *METHYLPREDNISOLONE,
pharmacodynamics/ *SHOCK, physiology/ SHOCK,
CARDIOGENIC, physiology/ SHOCK,
ENDOTOXIC, physiology/ SHOCK,
HEMORRHAGIC, physiology/ *THORACIC DUCT, drug effects
4184. Williams RH: The end of life in the elderly.
Postgrad Med 54:55-9, Dec 73
AGED/ *AGING/ ATTITUDE TO DEATH/
*DEATH/ ENDOCRINE GLANDS, physiology/
EUTHANASIA/ FEMALE/ HUMAN/ MALE/
SEX FACTORS/ SOCIAL CONDITIONS/
SUICIDE/ UNITED STATES
4185. Williams TJ, Morley J: Prostaglandins as potentiators
of increased vascular permeability in inflammation.
Nature 248:215-7, 23 Nov 73
ARTHUR PHENOMENON/ BRADYKININ,
adverse effects/ *BRADYKININ,
pharmacodynamics/ *CAPILLARY
PERMEABILITY, drug effects/ DERMATITIS,
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induced/ INFLAMMATION, physiology/
PASSIVE CUTANEOUS ANAPHYLAXIS, drug
effects/ *PROSTAGLANDINS,
pharmacodynamics/ SERUM ALBUMIN,
RADIO-IODINATED
4186. Williamson DH: Tissue-specific direction of blood
metabolites.
Symp Soc Exp Biol 27:283-98, 1973 (31 ref.)
ADIPOSE TISSUE, enzymology/ AMINO
ACIDS, blood/ ANIMAL EXPERIMENTS/
*BIOLOGICAL TRANSPORT, ACTIVE/
*BLOOD, metabolism/ BLOOD SUGAR,
metabolism/ BRAIN, enzymology/ COENZYME
A SYNTHETASES, metabolism/ FEMALE/
GLUCONEOGENESIS/ HYDROXYBUTYRATE
DEHYDROGENASE, analysis/ KETONE
BODIES, metabolism/ KINETICS/
LACTATION/ LIPIDS, blood/ LIPOPROTEIN
LIPASE, analysis/ MAMMAE, enzymology/
PIGEONS/ RATS/ REVIEW/
SULFURTRANSFERASES, metabolism/
TRIGLYCERIDES, blood
4187. Willis AL: An enzymatic mechanism for the
antithrombotic and antihemostatic actions of aspirin.
Science 183:325-7, 25 Jan 74
*ARACHIDONIC ACID, metabolism/ *ASPIRIN,
pharmacodynamics/ *BLOOD COAGULATION
FACTORS, biosynthesis/ BLOOD PLATELETS,
metabolism/ FATTY ACIDS, UNSATURATED,
metabolism/ FATTY ACIDS, UNSATURATED,
pharmacodynamics/ HUMAN/
*HYDROXYLASES, antagonists & inhibitors/
HYDROXYLASES, metabolism/ IN VITRO/
INDOMETHACIN, pharmacodynamics/
*PLATELET ADHESIVENESS, drug effects/
*PROSTAGLANDINS, biosynthesis/
PROSTAGLANDINS, pharmacodynamics
4188. Willis AL, Kuhn DC, Weiss HJ: Acetylenic analog of
arachidonate that acts like aspirin on platelets.
Science 183:327-30, 25 Jan 74
ADENOSINE DIPHOSPHATE, antagonists &
inhibitors/ ARACHIDONIC ACID,
pharmacodynamics/ *ASPIRIN,
pharmacodynamics/ *BLOOD PLATELETS,
metabolism/ CARBON RADIOISOTOPES/
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CHEMICAL/ EPINEPHRINE, antagonists &
inhibitors/ FATTY ACIDS, UNSATURATED,
antagonists & inhibitors/ *FATTY ACIDS,
UNSATURATED, pharmacodynamics/ FEMALE/
HUMAN/ MALE/ *PLATELET
ADHESIVENESS, drug effects/
*PROSTAGLANDINS, biosynthesis/
SEROTONIN, metabolism/ THROMBIN,
antagonists & inhibitors
4189. Willocks J: Prenatal assessment of placental
insufficiency. Nurs Times 69:1154-6, 6 Sep 73
FEMALE/ HUMAN/ *PLACENTA DISORDERS,
diagnosis/ PREGNANCY/ *PRENATAL
DIAGNOSIS
4190. Wilson BO, Battifora HA: The histological
classification of malignant lung tumors.
Ann Clin Lab Sci 4:4-12, Jan-Feb 74
ADENOCARCINOMA, pathology/ CARCINOID
TUMOR, pathology/ CARCINOMA,
classification/ CARCINOMA, pathology/
CARCINOMA, BRONCHOGENIC, pathology/
CARCINOMA, EPIDERMOID, pathology/
CARCINOMA, OAT CELL, pathology/
CARCINOMA, PAPILLARY, pathology/
CARCINOSARCOMA, pathology/
CYLINDROMA, pathology/ DIAGNOSIS,
DIFFERENTIAL/ HUMAN/
LEIOMYOSARCOMA, pathology/ *LUNG
NEOPLASMS, classification/ LUNG
NEOPLASMS, diagnosis/ LUNG NEOPLASMS,

AUTHOR SECTION

- pathology/ LYMPHOMA, pathology/ MALE/
MICROSCOPY, ELECTRON/ NEOPLASM
METASTASIS/ NEOPLASMS, EMBRYONAL
AND MIXED, pathology/ WORLD HEALTH
ORGANIZATION
4191. Wilson CB: Proceedings: Brain tumors in children.
Proc Natl Cancer Conf 7:611-8, 1973
*BRAIN NEOPLASMS, radiography/ BRAIN
NEOPLASMS, radiotherapy/ BRAIN
NEOPLASMS, surgery/ CEREBRAL
ANGIOGRAPHY/ CHILD/
CRANIOPHARYNGIOMA, radiotherapy/
CRANIOPHARYNGIOMA, surgery/ HUMAN/
MEDULLOBLASTOMA, diagnosis/
MEDULLOBLASTOMA, radiotherapy/
NEOPLASM METASTASIS/
VENTRICULOGRAPHY
4192. Wilson DE: Prostaglandins: their actions on the
gastrointestinal tract.
Arch Intern Med 133:112-8, Jan 74 (83 ref.)
ANIMAL EXPERIMENTS/ *DIGESTIVE
SYSTEM, physiology/ GASTRIC JUICE,
secretion/ GASTRIC MUCOSA, secretion/
GASTROINTESTINAL DISEASES,
drug therapy/ GASTROINTESTINAL
MOTILITY, drug effects/ GLUCOSE,
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PANCREAS, drug effects/ PANCREATIC
JUICE, secretion/ PROSTAGLANDINS,
metabolism/ *PROSTAGLANDINS, physiology/
RECEPTORS, HORMONE/ REVIEW
4193. Wilson DE: Editorial: The medical significance of
prostaglandins. Arch Intern Med 133:29, Jan 74
HUMAN/ PROSTAGLANDINS, analysis/
*PROSTAGLANDINS, physiology/
PROSTAGLANDINS, therapeutic use
4194. Wilson IC, Prange AJ Jr, Lara PP: Methyltestosterone
with imipramine in men: conversion of depression to
paranoid reaction. Am J Psychiatry 131:21-4, Jan 74
ADULT/ AGGRESSION, drug effects/
CLINICAL RESEARCH/ *DEPRESSION, drug
therapy/ DOSE-RESPONSE RELATIONSHIP,
DRUG/ DRUG THERAPY, COMBINATION,
adverse effects/ HUMAN/ *IMIPRAMINE,
administration & dosage/ IMIPRAMINE,
adverse effects/ MALE/
*METHYLTESTOSTERONE, administration &
dosage/ METHYLTESTOSTERONE, adverse
effects/ *PARANOIA, chemically induced/
SEX FACTORS/ TESTOSTERONE, metabolism
4195. Wilson LM: The effect of oral contraceptives on
biochemistry "normal values".
Can J Med Technol 55:42-58, Dec 73
ADULT/ CHEMISTRY/ CONTRACEPTIVES,
ORAL, metabolism/ *CONTRACEPTIVES,
ORAL, pharmacodynamics/ FEMALE/ HUMAN/
IRON, blood/ *METABOLISM, drug effects/
PROTEIN BINDING, drug effects
4196. Wilson SC, Sharp P: Variations in plasma LH levels
during the ovulatory cycle of the hen, Gallus
domesticus. J Reprod Fertil 35:561-4, Dec 73
ANIMAL EXPERIMENTS/ *CHICKENS,
physiology/ DARKNESS/ FEMALE/ IODINE
RADIOISOTOPES/ *LH, blood/ OVIPOSITION/
*OVULATION/ RADIOIMMUNOASSAY
4197. Wimer RE, Norman R, Eleftheriou BE: Serotonin levels
in hippocampus: striking variations associated with
mouse strain and treatment.
Brain Res 63:397-401, 7 Dec 73
AMYGDALOID BODY, metabolism/ ANALYSIS
OF VARIANCE/ ANIMAL EXPERIMENTS/
BEHAVIOR, ANIMAL, drug effects/
ELECTRIC STIMULATION/ ETHYL ETHERS,
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*HIPPOCAMPUS, metabolism/
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INBRED C57BL, metabolism/ *MICE, INBRED
DBA, metabolism/ *NOREPINEPHRINE,
metabolism/ *SEROTONIN, metabolism/
STRESS, metabolism
4198. Winand R: Le traitement de l'hyperthyroïdie.
Rev Med Liege 28:594-5, 1 Sep 73 (Fre)
*GOITER, EXOPHTHALMIC, therapy/
HUMAN/ HYPERTHYROIDISM, surgery/
*HYPERTHYROIDISM, therapy/ IODINE
RADIOISOTOPES, therapeutic use/ THYROID
ANTAGONISTS, therapeutic use/
THYROIDECTOMY
4199. Winch MA, Noble AR, Munday KA: Proceedings: Direct
estimation of human and dog renin by "Rocket"
immunoelectrophoresis. J Endocrinol 59:43-4, Nov 73
ANIMAL EXPERIMENTS/ DOGS/ HUMAN/
*IMMUNOELECTROPHORESIS/ METHODS/
*RENIN, analysis
4200. Windischbauer G: Keine Corticosteroide bei frischem
Zoster. Dtsch Med Wochenschr 98:2373, 7 Dec 73 (Ger)
*ADRENAL CORTEX HORMONES, adverse
effects/ ADRENAL CORTEX HORMONES,
therapeutic use/ ENCEPHALITIS, chemically
induced/ *HERPES ZOSTER, drug therapy/
HERPES ZOSTER, OCULAR, drug therapy/
HUMAN/ MALE/ MIDDLE AGE
4201. Winkel P: Patterns and clusters--multivariate approach
for interpreting clinical chemistry results.
Clin Chem 19:1329-38, Dec 73 (58 ref.)
AORTIC VALVE INSUFFICIENCY,
classification/ AORTIC VALVE
INSUFFICIENCY, mortality/ *CHEMISTRY,
CLINICAL/ CLINICAL RESEARCH/
COGNITION/ *DIAGNOSIS/ DIAGNOSIS,
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CIRRHOSIS, classification/ LIVER CIRRHOSIS,
drug therapy/ LIVER CIRRHOSIS, mortality/
MALE/ METHODS/ MORTALITY/
PREDNISONE, therapeutic use/ PROGNOSIS/
REVIEW/ *STATISTICS
4202. Winkel P, Jörgensen K: A method for the computation
of age-dependent reference intervals.
Scand J Clin Lab Invest 31:481-3, Jun 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ *BIOMETRY/ CIRCADIAN RHYTHM/
COMPUTERS, DIGITAL/ FEMALE/ HUMAN/
KETOSTEROIDS, urine/ MALE/ *MASS
SCREENING/ METHODS/ MIDDLE AGE/
*STATISTICS
4203. Winkelmann RK, Sams WM Jr, King JH: Contraction of
isolated human breast cutaneous vascular smooth
muscle. J Invest Dermatol 60:297-300, May 73
ACETYLCHOLINE, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
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ISOPROTERENOL, pharmacodynamics/
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pharmacodynamics/ PHENTOLAMINE,
pharmacodynamics/ POTASSIUM CHLORIDE,
pharmacodynamics/ PROPRANOLOL,
pharmacodynamics/ SEROTONIN,
pharmacodynamics
4204. Winkler HH: Inhibitory and restorative effects of
adenine nucleotides on rickettsial adsorption and
hemolysis. Infect Immun 9:119-26, Jan 74
*ADENINE NUCLEOTIDES, pharmacodynamics/
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ ADENOSINE
DIPHOSPHATE, pharmacodynamics/
ADENOSINE MONOPHOSPHATE,
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TRIPHOSPHATE, pharmacodynamics/

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ADSORPTION/ ANTIMETABOLITES, pharmacodynamics/ CYTOSINE NUCLEOTIDES, pharmacodynamics/ ERYTHROCYTES/ GLUTAMATES/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ HEMOGLOBINOMETRY/ *HEMOLYSIS, drug effects/ *RICKETTSIA PROWAZEKII, drug effects/ RICKETTSIA PROWAZEKII, metabolism

4205. **Wigqvist N, Bygdeman M, Topozada M:** Intra-amniotic prostaglandin administration—a challenge to the currently used methods for induction of midtrimester abortion. *Contraception* 8:113-31, Aug 73
ABORTION, INDUCED/ AMNIOTIC FLUID/ COMPARATIVE STUDY/ DIARRHEA, chemically induced/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTONIC SOLUTIONS/ INJECTIONS/ MUSCLE CONTRACTION, drug effects/ MUSCLE TONUS, drug effects/ PARITY/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, adverse effects/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, therapeutic use/ SPECIAL LIST REPRODUCTION/ SWEDEN/ TIME FACTORS/ UTERINE HEMORRHAGE/ UTERUS, drug effects/ VOMITING, chemically induced

4206. **Wiskont-Buczkowska H:** Anemizacja nerki z uszkodzeniem jej układu wydalniczego, jako czynnik prowokujący wystąpienie porodu u zwierząt doświadczalnych. *Ginekol Pol* 44:1353-61, Dec 73 (Pol)
ANIMAL EXPERIMENTS/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ HYPERTENSION, RENAL, etiology/ *KIDNEY, physiology/ KIDNEY, surgery/ *LABOR, PREMATURE, etiology/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ *PROSTAGLANDINS, biosynthesis/ RATS/ TIME FACTORS

4207. **Witkowski JA, Parish LC:** Familial benign chronic pemphigus. A papular variant. *Arch Dermatol* 108:842-3, Dec 73
ADMINISTRATION, TOPICAL/ ANTIBIOTICS, therapeutic use/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE AGE/ PEMPHIGUS, diagnosis/ PEMPHIGUS, drug therapy/ *PEMPHIGUS, familial & genetic/ PEMPHIGUS, pathology/ RECURRENCE/ SKIN, pathology/ STEROIDS, administration & dosage/ STEROIDS, therapeutic use/ THIGH

4208. **Wittmann-Liebold B:** Studies on the primary structure of 20 proteins from *Escherichia coli* ribosomes by means of an improved protein sequenator. *FEBS Lett* 36:247-9, 1 Nov 73
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ *BACTERIAL PROTEINS, analysis/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *ESCHERICHIA COLI, analysis/ ESCHERICHIA COLI, cytology/ *RIBOSOMES, analysis/ SPECTRUM ANALYSIS, MASS/ THIOCYANATES

4209. **Wociai B:** Biochemiczna diagnostyka guzów chromochłonnych. *Kardiol Pol* 16:419-26, 1973 (62 ref.) (Pol)
*ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, enzymology/ ADRENAL GLAND NEOPLASMS, metabolism/ CATECHOLAMINES, biosynthesis/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, urine/ CHEMISTRY/ DEAMINATION/ FLUOROMETRY/ GANGLIONEUROMA, urine/ HUMAN/ MONOAMINE OXIDASE, metabolism/ NEUROBLASTOMA, urine/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, enzymology/ PHEOCHROMOCYTOMA, metabolism/ REVIEW/ TYROSINE, metabolism/ VANILMANDELIC ACID, analysis

4210. **Wold WS, Suzuki I:** Promotion of conidia aggregation in *Aspergillus niger* by cyclic AMP and 5'-GMP.

Biochem Biophys Res Commun 55:824-30, 10 Dec 73
ADENOSINE, pharmacodynamics/ *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ASPERGILLUS, drug effects/ ASPERGILLUS, growth & development/ ASPERGILLUS, metabolism/ CELL AGGREGATION, drug effects/ CELL DIVISION, drug effects/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *GUANINE NUCLEOTIDES, pharmacodynamics/ GUANOSINE, pharmacodynamics/ GUANOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics

4211. **Wolf GL:** Rationale and use of vasodilated excretory urography in screening for renovascular hypertension. *Am J Roentgenol Radium Ther Nucl Med* 119:692-700, Dec 73
ANIMAL EXPERIMENTS/ CONTRAST MEDIA/ DOGS/ ETHACRYNIC ACID, diagnostic use/ HUMAN/ *HYPERTENSION, RENAL, radiography/ INULIN, diagnostic use/ IOTHALAMIC ACID, diagnostic use/ KIDNEY, anatomy & histology/ *KIDNEY, radiography/ KIDNEY FUNCTION TESTS/ RENAL ARTERY OBSTRUCTION, radiography/ RENIN, diagnostic use/ *VASODILATOR AGENTS, diagnostic use

4212. **Wolf H, Nolte K, Nolte R:** Wolman-Syndrom. *Monatsschr Kinderheilkd* 121:697-8, Nov 73 (Ger)
ADRENAL CORTEX HORMONES, therapeutic use/ AUTOSOME ABNORMALITIES/ CHILD, PRESCHOOL/ GENES, RECESSIVE/ HUMAN/ INFANT/ LIPOIDOSIS, drug therapy/ *LIPOIDOSIS, familial & genetic/ MALE/ PROGNOSIS/ SYNDROME/ XANTHOMATOSIS, drug therapy/ *XANTHOMATOSIS, familial & genetic

4213. **Wolfe BM, Gaston LW, Keltner RM Jr:** Malignant hyperthermia of anesthesia. *Am J Surg* 126:717-21, Dec 73 (29 ref.)
ADULT/ *ANESTHESIA, GENERAL, adverse effects/ ANIMAL EXPERIMENTS/ BICARBONATES, therapeutic use/ *BLOOD COAGULATION DISORDERS, complications/ BLOOD COAGULATION TESTS/ CALCIUM, metabolism/ COLD, therapeutic use/ CURARE-LIKE AGENTS, adverse effects/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ FEMALE/ FEVER, blood/ FEVER, diagnosis/ FEVER, etiology/ *FEVER, etiology/ FEVER, metabolism/ FEVER, therapy/ HUMAN/ MALE/ MUSCLE RIGIDITY/ MUSCLES, metabolism/ PROCAINE, therapeutic use/ REVIEW

4214. **Wolfe HJ, Melvin KE, Cervi-Skinner SJ, et al:** C-cell hyperplasia preceding medullary thyroid carcinoma. *N Engl J Med* 289:437-41, 30 Aug 73
ADOLESCENCE/ ADULT/ BIOLOGICAL ASSAY/ CALCITONIN, analysis/ *CALCITONIN, biosynthesis/ CALCITONIN, blood/ CALCIUM, diagnostic use/ CARCINOMA, familial & genetic/ *CARCINOMA, pathology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ HYPERPLASIA/ *PRECANCEROUS CONDITIONS, pathology/ RADIOIMMUNOASSAY/ THYROID GLAND, analysis/ *THYROID GLAND, pathology/ THYROID NEOPLASMS, familial & genetic/ *THYROID NEOPLASMS, pathology/ THYROIDECTOMY

4215. **Wolfsdorf J, Kündig H:** Dexamethasone in the management of kerosene pneumonia. *Pediatrics* 53:88-90, Jan 74
ANIMAL EXPERIMENTS/ BABOONS/ BODY WEIGHT/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic

AUTHOR SECTION

- use/ KEROSENE/ LUNG, pathology/
MONKEYS/ ORGAN WEIGHT/ PNEUMONIA,
ASPIRATION, chemically induced/
*PNEUMONIA, ASPIRATION, drug therapy/
PNEUMONIA, ASPIRATION, pathology
4216. Wollnsky H: Effects of estrogen treatment on the oophorectomized female rat aorta.
Proc Soc Exp Biol Med 144:864-7, Dec 73
ANIMAL EXPERIMENTS/ AORTA, anatomy & histology/ AORTA, THORACIC, analysis/
*AORTA, THORACIC, drug effects/
ARTERIOSCLEROSIS, etiology/ BODY WEIGHT/ CASTRATION/ COLLAGEN, analysis/ DNA, analysis/ ELASTIN, analysis/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ MENOPAUSE/ ORGAN WEIGHT/ *OVARY, physiology/ PROTEINS, analysis/ RATS/ UTERUS, anatomy & histology
4217. Wollenberger A, Babskii EB, Krause EG, et al: Cyclic changes in levels of cyclic AMP and cyclic GMP in frog myocardium during the cardiac cycle.
Biochem Biophys Res Commun 55:446-52, 16 Nov 73
*ADENOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ ELECTROCARDIOGRAPHY/ FROGS/ *GUANOSINE CYCLIC 3',5'
MONOPHOSPHATE, metabolism/ HEART, physiology/ HEART RATE/ *MYOCARDIUM, metabolism/ PROTEIN KINASE/ RANA TEMPORARIA/ SILKWORMS, enzymology/ TIME FACTORS
4218. Wollenberger A, Schulze W, Krause EG: Cytochemical examination of the effect of histamine on adenylate cyclase activity in guinea pig heart tissue.
J Mol Cell Cardiol 5:427-31, Oct 73
*ADENYL CYCLASE, metabolism/ ANIMAL EXPERIMENTS/ ANTIHISTAMINICS, pharmacodynamics/ BENZYL COMPOUNDS, pharmacodynamics/ CAPILLARIES, cytology/ CAPILLARIES, enzymology/ CELL MEMBRANE, enzymology/ CELLULAR INCLUSIONS, enzymology/ CORONARY VESSELS, cytology/ CORONARY VESSELS, enzymology/ ENDOTHELIUM, cytology/ ENDOTHELIUM, enzymology/ ETHYLENEDIAMINES, pharmacodynamics/ GUINEA PIGS/ HEART, drug effects/ *HISTAMINE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ MICROSCOPY, ELECTRON/ MYOCARDIUM, cytology/ *MYOCARDIUM, enzymology/ PYRIDINES, pharmacodynamics
4219. Wolman SR, Horland AA, Becker FF: Altered karyotypes of transplantable "diploid" tumors.
J Natl Cancer Inst 51:1909-14, Dec 73
ANIMAL EXPERIMENTS/ *CHROMOSOMES/ *DIPLOIDY/ FEMALE/ HEPATOMA, chemically induced/ *HEPATOMA, familial & genetic/ KARYOTYPING/ LIVER NEOPLASMS, chemically induced/ *LIVER NEOPLASMS, familial & genetic/ MALE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, familial & genetic/ NITROFURANS/ RATS/ SEX CHROMOSOMES/ STAINS AND STAINING/ TRANSPLANTATION, HOMOLOGOUS
4220. Wong DH, Jenkins LC: An experimental study of the mechanism of action of ketamine on the central nervous system. Can Anaesth Soc J 21:57-87, Jan 74
AMYGDALOID BODY, drug effects/ ANALGESIA/ ANESTHESIA/ ANIMAL EXPERIMENTS/ *BRAIN, drug effects/ BRAIN STEM, drug effects/ CATATONIA, chemically induced/ CATS/ CAUDATE NUCLEUS, drug effects/ CEREBRAL CORTEX, drug effects/ CONVULSIONS, chemically induced/ ELECTRODES, IMPLANTED/ ELECTROENCEPHALOGRAPHY/ GLOBUS PALLIDUS, drug effects/ HIPPOCAMPUS, drug effects/ HYPOTHALAMUS, drug effects/ INJECTIONS/ INJECTIONS, INTRAMUSCULAR/
- INJECTIONS, INTRAVENOUS/ KETAMINE, administration & dosage/ *KETAMINE, pharmacodynamics/ MOVEMENT, drug effects/ SALIVATION, drug effects/ THALAMUS, drug effects/ TIME FACTORS
4221. Wong KC, Kornel L, Bezkorovalny A, et al: Isolation of cytoplasmic glucocorticoid-binding protein(s) from rat liver by means of affinity chromatography, and its partial characterization.
Biochim Biophys Acta 328:133-44, 11 Nov 73
AMINO ACIDS, analysis/ ANIMAL EXPERIMENTS/ BINDING SITES/ CHROMATOGRAPHY, AFFINITY/ COMPARATIVE STUDY/ CORTICOSTERONE/ CYTOSOL, analysis/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ELECTROPHORESIS, STARCH GEL/ GEL FILTRATION/ *GLUCOCORTICOIDS/ HYDROCORTISONE/ KINETICS/ *LIVER, analysis/ LIVER, cytology/ MALE/ MOLECULAR WEIGHT/ PROGESTERONE/ PROTEIN BINDING/ PROTEINS, analysis/ *PROTEINS, isolation & purification/ RATS/ *RECEPTORS, HORMONE/ TRANCORTIN/ TRITIUM/ ULTRACENTRIFUGATION
4222. Wonsavage RL: Osteoporosis. A six months experience at Saint Mary's Hospital, Minneapolis.
Minn Med 56:1027-30, Dec 73
AGED/ DIET THERAPY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MINNESOTA/ *OSTEOPOROSIS, occurrence/ OSTEOPOROSIS, radiography/ OSTEOPOROSIS, therapy/ PHYSICAL THERAPY/ RETROSPECTIVE STUDIES/ SEX FACTORS/ SPINE, radiography
4223. Wood NK, Kisilewski W, Dodds GC, et al: Efficacy of sample combustion techniques for tritium recovery after tritiated cortisol injections in pregnant A-Jax mice. J Dent Res 52:1340, Nov-Dec 73
ANIMAL EXPERIMENTS/ CLEFT PALATE, chemically induced/ *HYDROCORTISONE, metabolism/ HYDROCORTISONE, pharmacodynamics/ MATERNAL-FETAL EXCHANGE/ MICE/ PREGNANCY/ RADIOISOTOPE SCANNING/ SPECTROPHOTOMETRY/ TRITIUM, analysis/ *TRITIUM, metabolism
4224. Woods RA, Bard M, Jackson IE, et al: Resistance to polyene antibiotics and correlated sterol changes in two isolates of *Candida tropicalis* from a patient with an amphotericin B-resistant funguria.
J Infect Dis 129:53-8, Jan 74
*AMPHOTERICIN B, therapeutic use/ CANDIDA, drug effects/ *CANDIDA, metabolism/ CANDIDA ALBICANS, metabolism/ CELL MEMBRANE, drug effects/ CELL MEMBRANE PERMEABILITY, drug effects/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *DRUG RESISTANCE, MICROBIAL/ ERGOSTEROL, metabolism/ HUMAN/ LANOSTEROL, metabolism/ *MONILIASIS, microbiology/ MUTATION/ *NYSTATIN, therapeutic use/ *PYELONEPHRITIS, etiology/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STEROLS, metabolism
4225. Woolf PD, Jacobs LS, Donofrio R, et al: Secondary hypopituitarism: evidence for continuing regulation of hormone release.
J Clin Endocrinol Metab 38:71-6, Jan 74
ADULT/ AGED/ CHLORPROMAZINE, pharmacodynamics/ DOPA, pharmacodynamics/ FEMALE/ HUMAN/ *HYPOPITUITARISM, physiopathology/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ THYROTROPIN, blood/ THYROTROPIN RELEASING HORMONE, pharmacodynamics
4226. Worden AN: Toxicology and the environment. Toxicology 1:2-27, Mar 73 (89 ref.)
ABNORMALITIES, DRUG-INDUCED/ ANIMAL EXPERIMENTS/ BREAST NEOPLASMS, chemically induced/ CARCINOGENS/ CONTRACEPTIVES, ORAL, adverse effects/ *ENVIRONMENT/ ENVIRONMENTAL

AUTHOR SECTION

- POLLUTION/ FOOD ADDITIVES, adverse effects/ GLUTAMATES, adverse effects/ GREAT BRITAIN/ HISTOCYTOCHEMISTRY/ HUMAN/ INDUSTRY/ LEAD/ LEGISLATION, DRUG/ PESTICIDES/ REVIEW/ SMOKING/ THALIDOMIDE, adverse effects/ TISSUE CULTURE/ *TOXICOLOGY
4227. Worth HG: The effect of sugars on automated urinary oestrogens estimations in pregnancy. *Clin Chim Acta* 49:53-9, 23 Nov 73
 AUTOANALYSIS/ BOROHYDRIDES/ COMPARATIVE STUDY/ *ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ GALACTOSE, urine/ *GLYCOSURIA/ HUMAN/ LACTOSE, urine/ METHODS/ *PREGNANCY/ SORBITOL/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS
4228. Worthington BS, Taylor LE: Balanced low-calorie vs. low-protein-low-carbohydrate reducing diets. II. Biochemical changes. *J Am Diet Assoc* 64:52-5, Jan 74
 ACIDOSIS, etiology/ ADULT/ APPETITE/ BLOOD SUGAR, metabolism/ BLOOD UREA NITROGEN/ COMPARATIVE STUDY/ DIET, REDUCING, adverse effects/ *DIET, REDUCING, standards/ *DIETARY CARBOHYDRATES, administration & dosage/ *DIETARY PROTEINS, administration & dosage/ EVALUATION STUDIES/ FEMALE/ HEMATOCRIT/ HUMAN/ HUNGER/ KETONE BODIES, urine/ MIDDLE AGE/ OBESITY, metabolism/ OBESITY, therapy/ TIME FACTORS/ TRIIODOTHYRONINE, blood/ URIC ACID, blood
4229. Wörz R: Zur frühen Manifestation intrakranieller Neoplasmen. *Munch Med Wochenschr* 115:2009-15, 9 Nov 73 (Ger)
 ANGIOSARCOMA, diagnosis/ ASTROCYTOMA, diagnosis/ BRAIN NEOPLASMS, complications/ *BRAIN NEOPLASMS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EPILEPSY, etiology/ GLIOBLASTOMA MULTIFORME, diagnosis/ HEADACHE, etiology/ HUMAN/ MEDULLOBLASTOMA, diagnosis/ MENINGIOMA, diagnosis/ NAUSEA, etiology/ NEURILEMMOMA, diagnosis/ OLIGODENDROGLIOMA, diagnosis/ PITUITARY NEOPLASMS, diagnosis/ PSYCHOSES, ORGANIC, etiology/ TIME FACTORS/ VERTIGO, etiology/ VOMITING, etiology
4230. Wöwern N von: Histoquantitation of ground sections of human mandibles. *Scand J Dent Res* 81:567-71, 1973
 AUTOPSY/ BONE AND BONES, metabolism/ *BONE AND BONES, pathology/ BONE DEVELOPMENT/ BONE RESORPTION/ Haversian system, anatomy & histology/ HUMAN/ ILIUM, metabolism/ ILIUM, pathology/ MANDIBLE, metabolism/ *MANDIBLE, pathology/ METHODS/ MICORADIOGRAPHY/ *OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, pathology
4231. Woytoń J, Sward J, Dzioba A, et al: Behaviour of total oestrogen, pregnanediol and creatinine levels in the amniotic fluid in the last weeks of pregnancy. *J Obstet Gynaecol Br Commonw* 80:909-11, Oct 73
 *AMNIOTIC FLUID, analysis/ *CREATININE, analysis/ *ESTROGENS, analysis/ FEMALE/ FETUS, growth & development/ GESTATIONAL AGE/ HUMAN/ KIDNEY, growth & development/ PREGNANCY/ *PREGNANEDIOL, analysis
4232. Wretling B, Hedén L, Wadström T: Formation of extracellular haemolysin by *Aeromonas hydrophila* in relation to protease and staphylococcal enzyme. *J Gen Microbiol* 78:57-65, Sep 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ AEROMONAS, enzymology/ AEROMONAS, growth & development/ *AEROMONAS, metabolism/ ALKALINE PHOSPHATASE, analysis/ BACTERIAL PROTEINS, biosynthesis/ BACTERIOLYSIS/ CHLORAMPHENICOL, pharmacodynamics/ CULTURE MEDIA/ DNA, BACTERIAL, biosynthesis/ ENZYME INDUCTION
- GALACTOSIDASE, analysis/ *HEMOLYSINS, biosynthesis/ MALATE DEHYDROGENASE, analysis/ NALIDIXIC ACID, pharmacodynamics/ *PEPTIDE HYDROLASES, metabolism
4233. Wright DG, Malawista SE: Mobilization and extracellular release of granular enzymes from human leukocytes during phagocytosis: inhibition by colchicine and cortisol but not by salicylate. *Arthritis Rheum* 16:749-58, Nov-Dec 73
 ACID PHOSPHATASE, antagonists & inhibitors/ ACID PHOSPHATASE, metabolism/ ASPIRIN, pharmacodynamics/ CATHEPSIN, antagonists & inhibitors/ CATHEPSIN, metabolism/ *COLCHICINE, pharmacodynamics/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ LEUKOCYTES, enzymology/ *LYSOSOMES, enzymology/ MICROCOCCUS, metabolism/ MURAMIDASE, antagonists & inhibitors/ MURAMIDASE, metabolism/ *PHAGOCYTOSIS, drug effects/ *SALICYLATES, pharmacodynamics/ STAPHYLOCOCCUS, metabolism
4234. Wright GL Jr, Pollack L, Roberts DB: Rapid two-dimensional immunoelectrophoresis of human serum proteins. *Clin Chem* 20:30-5, 1974
 ALCOHOLISM, blood/ *BLOOD PROTEIN ELECTROPHORESIS, instrumentation/ BLOOD PROTEINS, analysis/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/ IMMUNOELECTROPHORESIS/ LIPOPROTEINS, HDL, analysis/ LIVER CIRRHOSIS, blood/ MACROGLOBULINEMIA, blood/ METHODS/ MICROCHEMISTRY/ PRECIPITINS/ RABBITS, immunology/ THYROXINE-BINDING PROTEIN/ TIME FACTORS
4235. Wright ML: DNA synthesis during differentiation of tadpole shank epidermis. *J Exp Zool* 186:237-58, Dec 73
 ANIMAL EXPERIMENTS/ AUTORADIOGRAPHY/ *CELL DIFFERENTIATION, drug effects/ *DNA, biosynthesis/ FEMALE/ FROGS/ LARVA/ *METAMORPHOSIS, BIOLOGICAL/ RANA PIPIENS/ SKIN, drug effects/ *SKIN, metabolism/ THYMIDINE, metabolism/ THYROXINE, administration & dosage/ THYROXINE, pharmacodynamics/ TIME FACTORS/ TRITIUM
4236. Wright NA, Voncina D, Morley AR: An attempt to demonstrate cell migration from the zona glomerulosa in the prepubertal male rat adrenal cortex. *J Endocrinol* 59:451-9, Dec 73
 *ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ CELL COUNT/ CELL DIVISION/ *CELL MOVEMENT/ DNA, biosynthesis/ KINETICS/ MALE/ PUBERTY/ RATS/ THYMIDINE, metabolism/ TIME FACTORS/ TRITIUM
4237. Wright WC, Siegel SC, Lippe BM, et al: Effects of synthetic ACTH on corticosteroid-induced growth suppression. *J Allergy Clin Immunol* 53:52-63, Jan 74
 ADOLESCENCE/ ASTHMA, drug therapy/ *CORTICOTROPIN, therapeutic use/ GROWTH DISORDERS, chemically induced/ *GROWTH DISORDERS, drug therapy/ HUMAN/ MALE/ OXANDROLONE, therapeutic use/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use
4238. Wrobel KH, Schilling E, Dierichs R: Enzymhistochemische Untersuchungen an den Leydigzellen des Schweines während der postnatalen Ontogenese. *Histochemie* 36:321-33, 1973 (Ger)
 ACID PHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ ANIMAL EXPERIMENTS/ CYTOCHROME OXIDASE, analysis/ ENGLISH ABSTRACT/ ESTERASES, analysis/ GALACTOSIDASE, analysis/ GLUCOSEPHOSPHATASE, analysis/ GLUCOSEPHOSPHATE DEHYDROGENASE, analysis/ GLUCURONIDASE, analysis/

AUTHOR SECTION

- GLYCEROLPHOSPHATE DEHYDROGENASE, analysis/ HYDROXYBUTYRATE DEHYDROGENASE, analysis/ HYDROXYSTEROID DEHYDROGENASES, analysis/ ISOCITRATE DEHYDROGENASE, analysis/ LACTATE DEHYDROGENASE, analysis/ LEUCINE AMINOPEPTIDASE, analysis/ *LEYDIG CELLS, enzymology/ LEYDIG CELLS, growth & development/ MALE/ NUCLEOTIDASES, analysis/ OXIDOREDUCTASES, analysis/ PHOSPHOGLUCONATE DEHYDROGENASE, analysis/ SUCCINATE DEHYDROGENASE, analysis/ SWINE
4239. Wulff VJ: The effect of cyclic AMP and aminophylline on *Limulus* lateral eye reticular cells. *Vision Res* 13:2335-44, Dec 73
*ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ *AMINOPHYLLINE, pharmacodynamics/ ANIMAL EXPERIMENTS/ CALCIUM, pharmacodynamics/ *CRABS, physiology/ EDTA, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ OSCILLOMETRY/ PHOTORECEPTORS, drug effects/ *RETINA, drug effects
4240. Wunderlich V, Tetzlaff I: Applikation von 3H-Benzo(a)pyren an gravide Mäuse und Ratten: Inkorporation der Radioaktivität in subzelluläre Fraktionen verschiedener Gewebe. *Arch Geschwulstforsch* 42:95-106, 1973 (Ger)
ANIMAL EXPERIMENTS/ BENZOPYRENES, administration & dosage/ *BENZOPYRENES, metabolism/ CELL NUCLEUS, metabolism/ EMBRYO, metabolism/ ENGLISH ABSTRACT/ FEMALE/ INJECTIONS, INTRAVENOUS/ KIDNEY, metabolism/ LIVER, metabolism/ *MATERNAL-FETAL EXCHANGE/ MICE, metabolism/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ PLACENTA, metabolism/ *PREGNANCY/ RATS, metabolism/ SPLEEN, metabolism/ TIME FACTORS/ TRITIUM
4241. Wurtman RJ, Zervas NT: Monoamine neurotransmitters and the pathophysiology of stroke and central nervous system trauma. *J Neurosurg* 40:34-6, Jan 74
ANIMAL EXPERIMENTS/ *BRAIN, metabolism/ CEREBRAL ISCHEMIA, TRANSIENT, metabolism/ *CEREBROVASCULAR DISORDERS, metabolism/ DISEASE MODELS, ANIMAL/ *DOPAMINE, metabolism/ ISCHEMIA, metabolism/ NEURAL TRANSMISSION/ *NEUROHUMORS, metabolism/ NEURONS, metabolism/ *NOREPINEPHRINE, metabolism/ *SEROTONIN, metabolism/ *SPINAL CORD INJURIES, metabolism/ VASOMOTOR SYSTEM
4242. Wyandt HE, Hecht F: Human Y-chromatin. II. DNA replication. *Exp Cell Res* 81:462-7, Oct 73
AUTORADIOGRAPHY/ COLCHICINE, pharmacodynamics/ DNA, biosynthesis/ DNA, blood/ *DNA REPLICATION/ HUMAN/ ISOTOPE LABELING/ LYMPHOCYTES, cytology/ LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ MALE/ MICROSCOPY, FLUORESCENCE/ NUCLEIC ACID CONFORMATION/ SEX CHROMATIN, drug effects/ *SEX CHROMATIN, metabolism/ THYMIDINE/ TIME FACTORS/ TRITIUM
4243. Wyandt HE, Hecht F: Human Y-chromatin. I. Dispersion and condensation. *Exp Cell Res* 81:453-61, Oct 73
CELLS, CULTURED/ FIBROBLASTS, analysis/ FIBROBLASTS, cytology/ FLUORESCENCE/ HAIR, cytology/ HUMAN/ LYMPHOCYTES, analysis/ LYMPHOCYTES, cytology/ MALE/ MICROSCOPY, FLUORESCENCE/ MITOSIS/ MOUTH MUCOSA, cytology/ PHENOTYPE/ *SEX CHROMATIN, analysis/ SEX CHROMOSOME ABNORMALITIES, blood/ SEX CHROMOSOMES, analysis/ SKIN, analysis/ SKIN, cytology/ TIME FACTORS
4244. Wyandt HE, Iorio RJ: Human Y-chromatin. 3. The nucleolus. *Exp Cell Res* 81:468-73, Oct 73
*CELL NUCLEOLUS, analysis/ CELL NUCLEUS, analysis/ CELLS, CULTURED/ FIBROBLASTS, analysis/ FIBROBLASTS, cytology/ HUMAN/ MALE/ MICROSCOPY, FLUORESCENCE/ QUINACRINE/ *SEX CHROMATIN, analysis/ SKIN, analysis/ SKIN, cytology
4245. Wykle RL, Blank ML, Snyder F: The enzymic incorporation of arachidonic acid into ether-containing choline and ethanolamine phosphoglycerides by deacylation-acylation reactions. *Biochim Biophys Acta* 326:26-33, 17 Oct 73
ACYLATION/ *ACYLTRANSFERASES, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *ARACHIDONIC ACID, metabolism/ CARBON RADIOISOTOPES/ CEPHALINS, biosynthesis/ CHROMATOGRAPHY, THIN LAYER/ COENZYME A, pharmacodynamics/ ENZYME ACTIVATION/ KINETICS/ LECITHINS, biosynthesis/ MAGNESIUM, pharmacodynamics/ MALE/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ PALMITIC ACID/ PHOSPHOLIPIDS/ PLASMALOGENS/ RATS/ TESTIS, cytology/ TESTIS, drug effects/ *TESTIS, enzymology/ TRITIUM
4246. Wyllie AH, Kerr JF, Macaskill IA, et al: Adrenocortical cell deletion: the role of ACTH. *J Pathol* 111:85-94, Oct 73
*ADRENAL GLANDS, cytology/ ANIMAL EXPERIMENTS/ ATROPHY/ CELL MEMBRANE/ CELL NUCLEUS/ *CORTICOTROPIN, physiology/ EPITHELIAL CELLS, cytology/ FEMALE/ FETUS, physiology/ HEAD, physiology/ HISTIOCYTES/ PHAGOCYTOSIS/ PREDNISOLONE, pharmacodynamics/ PREGNANCY/ RATS
4247. Wynder EL, Covey LS, Mabuchi K: Lung cancer in women: present and future trends. *J Natl Cancer Inst* 51:391-401, Aug 73
ADULT/ AGE FACTORS/ AGED/ CALIFORNIA/ *CARCINOMA, EPIDERMAL, occurrence/ *CARCINOMA, OAT CELL, occurrence/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, occurrence/ MALE/ MIDDLE AGE/ NEW YORK CITY/ RETROSPECTIVE STUDIES/ SEX FACTORS/ *SMOKING/ SOCIOECONOMIC FACTORS/ TEXAS/ TIME FACTORS
- Y
4248. Yagil R, Etzion Z, Berlyne GM: The effect of D-aldosterone and spirinolactone on the concentration of sodium and potassium in the milk of rats. *J Endocrinol* 59:633-6, Dec 73
*ALDOSTERONE, pharmacodynamics/ FEMALE/ HUMAN/ LACTATION, drug effects/ *MILK, analysis/ *POTASSIUM, analysis/ RATS/ *SODIUM, analysis/ *SPIRONOLACTONE, pharmacodynamics
4249. Yagnik R, Reber RM, Katz R, et al: Letter: Anterior pituitary function in a neonate with craniofacial dysrapbia. *J Pediatr* 83:1090-2, Dec 73
ENCEPHALOCELE, physiology/ *FACE, abnormalities/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MENINGOCELE, physiology/ PITUITARY-ADRENAL FUNCTION TESTS/ *PITUITARY GLAND, physiology/ *SKULL, abnormalities/ *STATUS DYSRAPHICUS, physiology
4250. Yagoda A: Proceedings: Non-hormonal cytotoxic agents in the treatment of prostatic adenocarcinoma. *Cancer* 32:1131-40, Nov 73 (79 ref.)
ACID PHOSPHATASE, blood/ *ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, enzymology/ ADENOCARCINOMA, radiotherapy/ ADENOCARCINOMA, surgery/ ANILINE COMPOUNDS, therapeutic use/ BONE NEOPLASMS/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ EVALUATION STUDIES/ FLUOROURACIL,

AUTHOR SECTION

- therapeutic use/ HUMAN/ HYPERCALCEMIA,
etiology/ HYPOPHYSECTOMY/ MALE/
MECHLORETHAMINE, therapeutic use/
MITHRAMYCIN, therapeutic use/ NEOPLASM
METASTASIS/ *PROSTATIC NEOPLASMS,
drug therapy/ PROSTATIC NEOPLASMS,
enzymology/ PROSTATIC NEOPLASMS,
radiotherapy/ PROSTATIC NEOPLASMS,
surgery/ REVIEW
4251. Yamada Y, Nakazawa O, Tochigi H, et al:
[Determination of urinary LH and minute quantities
of HCG with erythrocyte agglutination inhibition
reaction]
Clin Endocrinol (Tokyo) 21:855-62, Aug 73 (Jap)
ADULT/ FEMALE/ *GONADOTROPINS,
CHORIONIC, urine/ *HEMAGGLUTINATION
INHIBITION TESTS/ HUMAN/ *LH, urine/
METHODS/ PREGNANCY
4252. Yamaguchi I, Katsuki S, Oashi T, et al: The relationship
between gastric secretory inhibition and cerebral and
gastric levels of monoamines in pylorus-ligated rats.
Jap J Pharmacol 23:523-34, Aug 73
*AMINES, metabolism/ ANIMAL
EXPERIMENTS/ BENZOTHIOPINS,
pharmacodynamics/ BRAIN, drug effects/
*BRAIN, metabolism/ CHLORDIAZEPoxide,
pharmacodynamics/ CHLORPROPAMINE,
pharmacodynamics/ CHLORPROTHIXENE,
pharmacodynamics/ *GASTRIC JUICE,
secretion/ HALOPERIDOL, pharmacodynamics/
INDOLES, pharmacodynamics/ LIGATION/
MALE/ METHOTRIMEPRAZINE,
pharmacodynamics/ MICE/ MORPHOLINES,
pharmacodynamics/ NOREPINEPHRINE,
metabolism/ PERPHENAZINE,
pharmacodynamics/ PIPERAZINES,
pharmacodynamics/ PYLORUS/ RATS/
RESERPINE, pharmacodynamics/ SEROTONIN,
metabolism/ SLEEP, drug effects/ STOMACH,
drug effects/ *STOMACH, metabolism
4253. Yamaguchi R, Ikemoto M, Nakano Y, et al: Evaluation
of urinary estriol concentration utilizing unified urine
specific gravity.
Acta Obstet Gynaecol Jap 19:166-70, Jul 72
*ESTRIOL, urine/ FEMALE/ HUMAN/
METHODS/ PREGNANCY/ SPECIFIC
GRAVITY
4254. Yamamoto M, Koshihara H, Noumura T: Studies on
differentiation of Müllerian ducts in the quail,
Coturnix coturnix japonica. 1. Collagen synthesis
during duct differentiation.
J Exp Zool 187:13-26, Jan 74
AMINO ACIDS, metabolism/ ANIMAL
EXPERIMENTS/ CARBON RADIOISOTOPES/
CELL DIFFERENTIATION/ CHLORELLA/
*COLLAGEN, biosynthesis/ COMPARATIVE
STUDY/ ESTRADIOL, pharmacodynamics/
FEMALE/ JAPAN/ MICROSCOPY,
ELECTRON/ MULLERIAN DUCTS, cytology/
MULLERIAN DUCTS, drug effects/
*MULLERIAN DUCTS, embryology/
MULLERIAN DUCTS, metabolism/ PLANT
PROTEINS, metabolism/ PROLINE,
metabolism/ *QUAIL, embryology/ TRITIUM
4255. Yamaoka Y: Solid cell nest (SCN) of the human thyroid
gland. Acta Pathol Jap 23:493-506, Aug 73
ADOLESCENCE/ ADULT/ AGE FACTORS/
AGED/ CHILD/ CHILD, PRESCHOOL/
FEMALE/ FETUS/ GOLGI APPARATUS/
HUMAN/ INFANT/ MALE/ MICROSCOPY,
ELECTRON/ MIDDLE AGE/ MITOCHONDRIA/
SEX FACTORS/ *THYROID GLAND, cytology
4256. Yamasaki H, Shimizu K: Intracellular distribution and
substrate specificity of the 16 alpha-hydroxylase in
the adrenal of human fetus. Steroids 22:637-58, Nov 73
ADRENAL GLANDS, cytology/ *ADRENAL
GLANDS, enzymology/ ANDROSTENEDIONE/
CARBON RADIOISOTOPES/ CELL NUCLEUS,
enzymology/ CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
COMPARATIVE STUDY/ CYTOSOL,
enzymology/ DEHYDROEPIANDROSTERONE/
FEMALE/ *FETUS, enzymology/ HUMAN/
MICROSOMES, enzymology/ MITOCHONDRIA,
enzymology/ PREGNANCY/ PREGNENOLONE/
PROGESTERONE/ STEROID HYDROXYLASES,
analysis/ *STEROID HYDROXYLASES,
metabolism/ SUBCELLULAR FRACTIONS,
enzymology/ TRITIUM
4257. Yamashita S, Kanazawa S, Tanaka M, et al: [Various
clinical pictures of trophoblastic neoplasia (author's
transl)]
J Jap Soc Cancer Ther 8:302-12, 10 Sep 73 (Jap)
ADULT/ BRAIN NEOPLASMS/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ LUNG
NEOPLASMS/ NEOPLASM METASTASIS/
PREGNANCY/ *TROPHOBLASTIC TUMOR
4258. Yamasawa K: [The specificity for spectral sensitivity
in critical flicker fusion perimetry (author's transl)]
Acta Soc Ophthalmol Jap 77:1325-39, Sep 73 (Jap)
ADULT/ ENGLISH ABSTRACT/ FEMALE/
*FLICKER FUSION/ GLAUCOMA,
physiopathology/ HUMAN/ MALE/ OPTIC
ATROPHY, physiopathology/ OPTIC
NEURITIS, physiopathology/ *PERIMETRY/
PITUITARY NEOPLASMS, physiopathology/
RETINAL DISEASES, physiopathology
4259. Yanagisawa S: Letter: Isochromosome X associated
with paracentric inversion. Lancet 2:1448, 22 Dec 73
*CHROMOSOME ABERRATIONS/ FEMALE/
HUMAN/ KARYOTYPING/ LYMPHOCYTES,
cytology/ *SEX CHROMOSOMES/ *TURNER'S
SYNDROME, familial & genetic
4260. Yanaihara N: [Chemical structure and synthesis of
LH-RH]
Clin Endocrinol (Tokyo) 21:885-91, Sep 73 (29 ref.)
(Jap)
ANIMAL EXPERIMENTS/ CHEMISTRY/
*LH-FSH RELEASING HORMONE, chem
synthesis/ REVIEW
4261. Yanaura S, Abe Y, Iwase H, et al: [Pharmacological
studies of 1,3-diphenyl-5-(2-dimethyl amino
propionamide) pyrazole HCL (AP-14) with special
reference to its action on the central nervous system]
Folia Pharmacol Jap 69:879-87, Sep 73 (Jap)
AMIDES, pharmacodynamics/ ANALGESICS
AND ANTIPYRETICS/ ANIMAL
EXPERIMENTS/ ANTI-INFLAMMATORY
AGENTS/ BEHAVIOR, ANIMAL, drug effects/
*BRAIN, drug effects/ DIMETHYLAMINES,
pharmacodynamics/ DRUG SCREENING/
ELECTRIC STIMULATION/ ENGLISH
ABSTRACT/ ESCAPE REACTION/
HYPOTHALAMUS, drug effects/ MALE/
MICE/ *PYRAZOLES, pharmacodynamics/
RABBITS/ RATS
4262. Yang RS, Wilkinson CF: Sulphotransferases and
phosphotransferases in insects.
Comp Biochem Physiol [B] 46:717-26, Dec 73
ADENOSINE TRIPHOSPHATE/ ANIMAL
EXPERIMENTS/ BEES, enzymology/ CARBON
RADIOISOTOPES/ CHROMATOGRAPHY, THIN
LAYER/ COCKROACHES, enzymology/
DEHYDROEPIANDROSTERONE/ ECDYSONE/
GASTROINTESTINAL SYSTEM, enzymology/
HOUSEFLIES, enzymology/ *INSECTS,
enzymology/ LARVA/ MAGNESIUM/
NITROPHENOLS/ *PHOSPHOTRANSFERASES,
analysis/ SPECIES SPECIFICITY/
SPECTROPHOTOMETRY/ SULFATES/
*SULFURTRANSFERASES, analysis
4263. Yang SS, Lippman ME, Thompson EB: Transfer
ribonucleic acid in hepatoma tissue culture cells. I.
Induction in vivo by dexamethasone phosphate of
phenylalanine-accepting activity.
Endocrinology 91:254-61, Jan 74
CARBON RADIOISOTOPES/ CELL LINE/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ DACTINOMYCIN,
pharmacodynamics/ *DEXAMETHASONE,
pharmacodynamics/ ELECTROPHORESIS,
PAPER/ ENZYME INDUCTION/ FREON/
*HEPATOMA, metabolism/ INSULIN,
pharmacodynamics/ KINETICS/
*PHENYLALANINE, metabolism/
*RECEPTORS, DRUG, drug effects/ *RNA,
TRANSFER, biosynthesis/ TISSUE CULTURE/

AUTHOR SECTION

- TRITIUM/ TYROSINE AMINOTRANSFERASE, metabolism/ URIDINE, metabolism
4264. Yasumasu I, Fujiwara A, Ishida K: Periodic change in the content of adenosine 3'5'-cyclic monophosphate with close relation to the cycle of cleavage in the sea urchin egg.
Biochem Biophys Res Commun 54:628-32, 18 Sep 73
 *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ANIMAL EXPERIMENTS/ CAFFEINE, pharmacodynamics/ CELL DIVISION/ *FERTILIZATION/ MITOSIS, drug effects/ *OVUM, metabolism/ SEA URCHINS, drug effects/ SEA URCHINS, growth & development/ *SEA URCHINS, metabolism/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TIME FACTORS
4265. Yü YH, Keng TS, Kuan CY: [Surgical treatment of thromboangiitis obliterans with lumbar sympathectomy and partial adrenalectomy]
Clin Med J 11:880-1, Nov 73 (Chl)
 *ADRENALECTOMY/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUMBOSACRAL PLEXUS/ MALE/ METHODS/ MIDDLE AGE/ *SYMPATHECTOMY/ *THROMBOANGITIS OBLITERANS, therapy
4266. Yeh K, Moog F: Intestinal lactase activity in the suckling rat: Influence of hypophysectomy and thyroidectomy. *Science* 183:77-9, 11 Jan 74
 AGE FACTORS/ ANIMAL EXPERIMENTS/ *ANIMALS, NEWBORN/ CORTISONE, pharmacodynamics/ *GALACTOSIDASE, metabolism/ HYPOPHYSECTOMY/ *INTESTINES, enzymology/ JEJUNUM, enzymology/ *PITUITARY GLAND, physiology/ RATS/ *THYROID GLAND, physiology/ THYROIDECTOMY/ THYROXINE, pharmacodynamics
4267. Ying SY: Induction of ovulation rats treated neonatally with androgen.
Proc Soc Exp Biol Med 144:822-5, Dec 73
 ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ FEMALE/ FSH, pharmacodynamics/ LH, pharmacodynamics/ LH-FSH RELEASING HORMONE, pharmacodynamics/ *OVULATION, drug effects/ PROPIONATES/ RATS/ STIMULATION, CHEMICAL/ TESTOSTERONE, pharmacodynamics
4268. Ying SY, Gove S: Compensatory ovulation after unilateral ovariectomy in immature rats primed with gonadotropins.
Proc Soc Exp Biol Med 144:22-5, 1 Oct 73
 ANIMAL EXPERIMENTS/ *CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ GONADOTROPINS, EQUINE, administration & dosage/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS
4269. Yip CC, Schimmer BP: Human pancreatic islet tumor cells maintained in vitro. *Diabetologia* 9:251-4, Aug 73
 ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ CELLS, CULTURED/ GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ HUMAN/ INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, secretion/ *ISLET CELL TUMOR/ MICROSCOPY, PHASE CONTRAST/ PROINSULIN, secretion/ STIMULATION, CHEMICAL/ TIME FACTORS/ TOLBUTAMIDE, pharmacodynamics
4270. Ylikorkala O, Jouppila P: Human placental lactogen (HPL) in serum in complicated early pregnancy.
J Obstet Gynaecol Br Commonw 80:1040-5, Dec 73
 ABORTION, blood/ ABORTION, MISSED, blood/ ABORTION, THREATENED, blood/ FEMALE/ HUMAN/ OVUM, growth & development/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ PREGNANCY COMPLICATIONS, blood/ *PREGNANCY COMPLICATIONS, diagnosis/ PROGNOSIS/ RADIOIMMUNOASSAY/ TIME FACTORS/ UTERINE HEMORRHAGE, blood/ *UTERINE HEMORRHAGE, diagnosis
4271. Ylikorkala O, Pennanen S: Human placental lactogen (HPL) levels in maternal serum during abortion induced by intra- and extra-amniotic injection of prostaglandin F2a.
J Obstet Gynaecol Br Commonw 80:927-31, Oct 73
 *ABORTION, INDUCED/ AMNION/ FEMALE/ HUMAN/ INJECTIONS/ PLACENTA, drug effects/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PROSTAGLANDINS, administration & dosage/ RADIOIMMUNOASSAY/ SODIUM CHLORIDE, therapeutic use/ TIME FACTORS
4272. Ylöstalo, Kauppi A, Jouppila P, et al: Hepatic and adrenocortical function during cyclophosphamide stress therapy.
Acta Obstet Gynecol Scand 52:299-302, 1973
 *ADRENAL GLANDS, drug effects/ ALKALINE PHOSPHATASE, blood/ AMINOTRANSFERASES, blood/ BILIRUBIN, blood/ BLOOD PROTEIN ELECTROPHORESIS/ BLOOD PROTEINS, metabolism/ CORTICOTROPIN, diagnostic use/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ GALACTOSE/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ *LIVER, drug effects/ LIVER FUNCTION TESTS/ OVARIAN NEOPLASMS, drug therapy/ THYMOL
4273. Ylöstalo P, Reinliä M: Serum copper in normal and complicated pregnancies compared with urinary oestrogens. *Ann Chir Gynaecol Fenn* 62:117-20, 1973
 ASPHYXIA NEONATORUM/ CERULOPLASMIN/ COLORIMETRY/ COMPARATIVE STUDY/ *COPPER, blood/ DIABETES MELLITUS, metabolism/ ERYTHROBLASTOSIS, FETAL/ ESTRADIOL, urine/ *ESTROGENS, urine/ FEMALE/ FETAL DEATH/ GESTATIONAL AGE/ HUMAN/ HYPERTENSION, metabolism/ LIVER DISEASES, metabolism/ PREGNANCY/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, metabolism/ PREGNANCY, MULTIPLE/ PREGNANCY TOXEMIAS, metabolism/ PYELITIS, metabolism
4274. Yokoyama A, Tomogane H, Ota K: Blockade of the surge of prolactin at pro-oestrus by administration of anti-oestrogenic substance, MER-25.
Acta Endocrinol (Kbh) 74:769-74, Dec 73
 ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL EXPERIMENTS/ DEPRESSION, CHEMICAL/ DIETHYLAMINES, administration & dosage/ DIETHYLAMINES, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ESTROGENS, antagonists & inhibitors/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ OVARY, analysis/ OVULATION, drug effects/ PHENYL ETHERS, administration & dosage/ PHENYL ETHERS, pharmacodynamics/ *PITUITARY GLAND, analysis/ PROLACTIN, analysis/ *PROLACTIN, metabolism/ RATS/ *UTERUS, analysis
4275. Yokoyama M, Okada K, Tokue A, et al: Ultrastructural and biochemical study of benign ganglioneuroma. *Virchows Arch [Patol Anat]* 361:195-209, 27 Nov 73
 ADRENAL GLAND NEOPLASMS, metabolism/ *ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, urine/ ADULT/ BASEMENT MEMBRANE/ CATECHOLAMINES, analysis/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, urine/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GANGLIONEUROMA, metabolism/ *GANGLIONEUROMA, pathology/ GANGLIONEUROMA, urine/ HUMAN/ MALE/ MEDIASTINAL NEOPLASMS, metabolism/ *MEDIASTINAL NEOPLASMS, pathology/

AUTHOR SECTION

MEDIASTINAL NEOPLASMS, urine/
MICROSCOPY, ELECTRON/ SCHWANN
CELLS

4276. Yoshida T, Den K, Mukai H, et al: [Radioimmunoassay of sex steroid hormones. 5. Radioimmunoassay of progesterone]
Clin Endocrinol (Tokyo) 21:979-85, Sep 73 (Jap)
CHROMATOGRAPHY/ COMPARATIVE
STUDY/ FEMALE/ HUMAN/ MALE/
METHODS/ *PROGESTERONE, analysis/
PROGESTERONE, blood/
*RADIOIMMUNOASSAY
4277. Yoshida T, Den K, Takagi S, et al: [Radioimmunoassay of sex steroid hormones. 3. Radioimmunoassay of estriol]
Clin Endocrinol (Tokyo) 21:747-52, Jul 73 (Jap)
*ESTRIOL, blood/ FEMALE/ HUMAN/
METHODS/ PREGNANCY/
RADIOIMMUNOASSAY
4278. Yoshimoto S, Moritera K, Imura H: [Determination of blood LH and FSH with radioimmunoassay kit and its clinical evaluation examination]
Clin Endocrinol (Tokyo) 21:753-9, Jul 73 (Jap)
ADULT/ CHILD, PRESCHOOL/ CLINICAL
RESEARCH/ EVALUATION STUDIES/
FEMALE/ *FSH, blood/ HUMAN/
HYPOGONADISM, blood/ *LH, blood/ MALE/
METHODS/ PITUITARY DISEASES, blood/
*RADIOIMMUNOASSAY
4279. Yoshimura F, Harumiya K, Soji T, et al: Possible reversion of pituitary "thyroidectomy cells" into their original acidophils in rats.
Endocrinol Jap 20:249-62, Jun 73
ANIMAL EXPERIMENTS/ DEXAMETHASONE,
pharmacodynamics/ MALE/ MICROSCOPY,
ELECTRON/ *PITUITARY GLAND, cytology/
PITUITARY GLAND, drug effects/
PITUITARY GLAND, physiology/ RATS/
*THYROID GLAND, physiology/
THYROIDECTOMY/ THYROXINE,
pharmacodynamics
4280. Yoshimura K: Activation of Na-K activated ATPase in rat brain by catecholamine.
J Biochem (Tokyo) 74:389-91, Aug 73
ADENOSINE CYCLIC 3',5' MONOPHOSPHATE,
pharmacodynamics/ *ADENOSINE
TRIPHOSPHATASE, metabolism/ ANIMAL
EXPERIMENTS/ *BRAIN, enzymology/
*CATECHOLAMINES, pharmacodynamics/
DOPAMINE, pharmacodynamics/ ENZYME
ACTIVATION, drug effects/ HISTAMINE,
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pharmacodynamics/ POTASSIUM/
PUTRESCINE, pharmacodynamics/ RATS/
SEROTONIN, pharmacodynamics/ SODIUM/
SPERMIDINE, pharmacodynamics
4281. Yoshinaga K, Kobayashi K, Sato T, et al:
[Catecholamines and catecholamine synthesizing
enzymes]
Clin Endocrinol (Tokyo) 21:813-9, Aug 73 (63 ref.)
(Jap)
ANIMAL EXPERIMENTS/
CATECHOLAMINES, biosynthesis/ DOPA
DECARBOXYLASE, metabolism/ DOPAMINE
BETA HYDROXYLASE, metabolism/ HUMAN/
METHYLDOPA, pharmacodynamics/
METHYLTRANSFERASES, metabolism/
METHYLTYROSINES, pharmacodynamics/
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PHENETHANOLAMINE
N-METHYLTRANSFERASE, metabolism/
PICOLINIC ACIDS, pharmacodynamics/
PITUITARY-ADRENAL SYSTEM/ REVIEW/
TYROSINE HYDROXYLASE, metabolism
4282. Yoshino S: [The influence of ovariectomy, soft diet and nonfunction on the periodontium of the hamsters (author's transl)]
J Jap Stomatol Soc 40:242-63, Sep 73 (Jap)
ANIMAL EXPERIMENTS/ CASTRATION/
*DIET/ FEMALE/ HAMSTERS/
*MASTICATION/ *OVARY, physiology/
*PERIODONTIUM, pathology
4283. Yoshioka M, Okuda R: [Bartter's syndrome in young children] Jap J Clin Med 31:2834-9, Sep 73 (Jap)
CHILD, PRESCHOOL/ FOLLOW-UP STUDIES/
HUMAN/ HYPERALDOSTERONISM, diagnosis/
*HYPERALDOSTERONISM, pathology/
INFANT/ MALE
4284. Yoshizaki T: Effect of histamine, bradykinin and morphine on adrenaline release from rat adrenal gland. Jap J Pharmacol 23:695-9, Oct 73
ADRENAL GLANDS, drug effects/ ADRENAL
GLANDS, innervation/ *ADRENAL GLANDS,
secretion/ ANIMAL EXPERIMENTS/
ANTIHISTAMINICS, pharmacodynamics/
ATROPINE, pharmacodynamics/
BRADYKININ, pharmacodynamics/
COMPARATIVE STUDY/ DENERVATION/
*EPINEPHRINE, secretion/ FLUOROMETRY/
HEXAMETHONIUM COMPOUNDS,
pharmacodynamics/ *HISTAMINE,
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pharmacodynamics/ PHENYLBUTAZONE,
pharmacodynamics/ PYRIDINOLCARBAMATE,
pharmacodynamics/ RATS/ SPLANCHNIC
NERVES, physiology/ STIMULATION,
CHEMICAL
4285. Yoshizaki T: A method for pharmacological studies on adrenaline release from the rat adrenal.
Jap J Pharmacol 23:689-94, Oct 73
ADRENAL GLANDS, innervation/ *ADRENAL
GLANDS, secretion/ ANESTHETICS,
pharmacodynamics/ ANIMAL EXPERIMENTS/
CHORDOTOMY/ COMPARATIVE STUDY/
DENERVATION/ *EPINEPHRINE, secretion/
FLUOROMETRY/ MALE/ MORPHINE,
pharmacodynamics/ NICOTINE,
pharmacodynamics/ RATS/ SECRETORY
RATE, drug effects/ SPLANCHNIC NERVES,
physiology
4286. Young AW Jr, Sweeney EW, David DS, et al: Dermatologic evaluation of pruritus in patients on hemodialysis. NY State J Med 73:2670-4, 15 Nov 73
ADOLESCENCE/ ADULT/ BLOOD UREA
NITROGEN/ FEMALE/ *HEMODIALYSIS/
HUMAN/ HYPERPARATHYROIDISM,
SECONDARY, complications/ *KIDNEY
DISEASES, complications/ MALE/ MIDDLE
AGE/ *PRURITUS, etiology/ PRURITUS,
occurrence
4287. Young BW, Lagios MD: Endometrial (papillary) carcinoma of the prostatic utricle-response to orchietomy. A case report.
Cancer 32:1293-300, Dec 73
AGED/ CARCINOMA, PAPILLARY,
complications/ CARCINOMA, PAPILLARY,
pathology/ CARCINOMA, PAPILLARY,
radiography/ *CARCINOMA, PAPILLARY,
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FOLLOW-UP STUDIES/ HUMAN/
HYDRONEPHROSIS, etiology/ KIDNEY
DISEASES, etiology/ MALE/ PROSTATE,
pathology/ PROSTATIC NEOPLASMS,
complications/ PROSTATIC NEOPLASMS,
pathology/ PROSTATIC NEOPLASMS,
radiography/ *PROSTATIC NEOPLASMS,
therapy/ *TESTIS, surgery/ UROGRAPHY
4288. Young DG: Fluid balance in paediatric surgery.
Br J Anaesth 45:953-7, Sep 73 (19 ref.)
ACIDOSIS/ BLOOD VOLUME/ BODY FLUIDS,
metabolism/ BODY WATER, metabolism/
BODY WEIGHT/ CALCIUM, metabolism/
EXTRACELLULAR SPACE, metabolism/
HUMAN/ HYDROGEN-ION CONCENTRATION/
INFANT/ INFANT, NEWBORN/ KIDNEY,
metabolism/ MAGNESIUM, metabolism/ MILK,
metabolism/ *PEDIATRICS/ POTASSIUM,
metabolism/ REVIEW/ SODIUM, metabolism/
*SURGERY, OPERATIVE/ URINE, metabolism/
*WATER-ELECTROLYTE BALANCE
4289. Young Lal EV: Biotransformation of pregnenolone and progesterone by rabbit ovarian follicles and corpora lutea. Acta Endocrinol (Kbh) 74:775-82, Dec 73

AUTHOR SECTION

- ANDROSTENEDIONE, biosynthesis/ ANIMAL EXPERIMENTS/ BIOTRANSFORMATION/ CARBON RADIOISOTOPES/ COITUS/ *CORPUS LUTEUM, metabolism/ ESTRADIOL, biosynthesis/ FEMALE/ *GRAAFIAN FOLLICLE, metabolism/ *PREGNENOLONE, metabolism/ PREGNENOLONE, pharmacodynamics/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ RABBITS/ TESTOSTERONE, biosynthesis/ TIME FACTORS/ TRITIUM/ UTERUS, analysis
4290. Yu JY, Marquardt RR: Effects of estradiol and testosterone on the immature female chicken (*Gallus domesticus*). II. Immunodiffusional patterns of yolk lipoproteins in the liver and plasma. *Comp Biochem Physiol* [B] 46:759-67, Dec 73
AGING/ ANIMAL EXPERIMENTS/ CHICKENS/ COMPARATIVE STUDY/ EGG PROTEINS, blood/ *EGG PROTEINS, metabolism/ EGG YOLK/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GEL DIFFUSION TESTS/ *LIPOPROTEINS, HDL, metabolism/ LIPOPROTEINS, LDL, blood/ *LIPOPROTEINS, LDL, metabolism/ LIPOPROTEINS, VLDL, blood/ *LIPOPROTEINS, VLDL, metabolism/ LIVER, drug effects/ LIVER, growth & development/ *LIVER, metabolism/ MALE/ RABBITS, immunology/ *TESTOSTERONE, pharmacodynamics/ ULTRACENTRIFUGATION
4291. Yu JY, Marquardt RR: Effects of estradiol and testosterone on the immature female chicken (*Gallus domesticus*). I. Quantitative changes in nucleic acids, proteins and lipids in the liver. *Comp Biochem Physiol* [B] 46:749-57, Dec 73
ANIMAL EXPERIMENTS/ BODY WATER, metabolism/ BODY WEIGHT/ CHICKENS/ COMPARATIVE STUDY/ CYTOPLASM, metabolism/ *DNA, biosynthesis/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HISTOCYTOCHEMISTRY/ HYPERPLASIA/ HYPERTROPHY/ *LIPIDS, biosynthesis/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ ORGAN WEIGHT/ *PROTEINS, biosynthesis/ *RNA, biosynthesis/ STAINS AND STAINING/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS
4292. Yunice AA, Baxter DJ, Lindeman RD: Effect of endotoxemia on myocardial cation concentrations. *Proc Soc Exp Biol Med* 144:273-6, 1 Oct 73
ANIMAL EXPERIMENTS/ CALCIUM, metabolism/ COPPER, metabolism/ DNA, metabolism/ DOGS/ ENDOTOXINS/ ESCHERICHIA COLI/ KINETICS/ MAGNESIUM, metabolism/ MYOCARDIUM, analysis/ MYOCARDIUM, cytology/ *MYOCARDIUM, metabolism/ POTASSIUM, metabolism/ RADIOISOTOPES/ RNA, metabolism/ SODIUM, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ TOXEMIA, etiology/ *TOXEMIA, metabolism/ ZINC, metabolism/ ZINC ISOTOPES
- Z**
4293. Zach J: Il trattamento della sindrome aplastica. *Minerva Med* 64:4009-12, 27 Oct 73 (Ita)
ADRENAL CORTEX HORMONES, therapeutic use/ ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, chemically induced/ ANEMIA, APLASTIC, etiology/ *ANEMIA, APLASTIC, therapy/ ANTINEOPLASTIC AGENTS, adverse effects/ BLOOD TRANSFUSION/ *BONE MARROW DISEASES, therapy/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ LEUKOPENIA, therapy/ RADIOTHERAPY, adverse effects/ THROMBOPENIA, therapy
4294. Zadorozhnyi BV: Izmeneniia v organizme zhivotnykh pri dlitel'nom inagallatsionnom vozdeistvii trikhlorétilena v mal'kikh kontsentratsiakh. *Gig Tr Prof Zabol* 17:55-7, May 73 (Rus)
ACETYLCHOLINE, blood/ ADRENAL GLANDS, drug effects/ ANIMAL EXPERIMENTS/ ANTIBODY FORMATION, drug effects/ ENVIRONMENTAL EXPOSURE/ FEMALE/ LIVER, drug effects/ PHAGOCYTOSIS, drug effects/ RABBITS/ TIME FACTORS/ *TRICHLOROETHYLENE, pharmacodynamics
4295. Zaino EC, Rossi MB, McCaffrey PE, et al: Virus-like inclusions in systemic lupus erythematosus. Report of an atypical case diagnosed by electron microscopic evidence of virus-like nucleoproteins. *Clin Pediatr (Phila)* 12:872-4, Nov 73
ANTINUCLEAR FACTORS, analysis/ BASEMENT MEMBRANE, pathology/ BIOPSY, NEEDLE/ CHILD/ COMPLEMENT, analysis/ EPITHELIAL CELLS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLOMERULONEPHRITIS, pathology/ HUMAN/ IGG, analysis/ *INCLUSION BODIES, VIRAL/ *KIDNEY, pathology/ KIDNEY GLOMERULUS, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MICROSCOPY, ELECTRON/ NUCLEOPROTEINS, isolation & purification/ PREDNISONE, therapeutic use
4296. Zaitsev EV: Nakoplenie strontsila-90 i vzaimosviaz' ego s kal'tsiem v organakh presnovodnykh ryb. *Veterinariia* 7:34-5, Jul 73 (Rus)
ANIMAL EXPERIMENTS/ CALCIUM, analysis/ *CALCIUM, metabolism/ *FISHES, metabolism/ STRONTIUM, analysis/ *STRONTIUM, metabolism/ STRONTIUM RADIOISOTOPES/ USSR
4297. Zaitsev GP, Porladin VT: Izmenenie glukokortikoidnoi funktsii nadpocheknikov pri tromboohliterulushchikh zaholevaniakh arterii konechnostei. *Klin Khir* 6:61-7, Jun 73 (Rus)
*ADRENAL GLANDS, physiopathology/ BLOOD COAGULATION DISORDERS, physiopathology/ FEMALE/ GLUCOCORTICOIDS, blood/ *GLUCOCORTICOIDS, secretion/ HUMAN/ *LEG, blood supply/ MALE/ *THROMBOANGIITIS OBLITERANS, physiopathology
4298. Zak KP, Vinnitskaia ML: Vliianie odnokratnogo vvedeniia gidrokortizona na ul'trastrukturu limfaticheskikh uzlov krol'kov. *Arkh Patol* 35:22-9, 1973 (Rus)
ANIMAL EXPERIMENTS/ CELL MEMBRANE, drug effects/ CELL NUCLEUS, drug effects/ CHROMATIN, drug effects/ ENDOPLASMIC RETICULUM, drug effects/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ LYMPH NODES, cytology/ *LYMPH NODES, drug effects/ LYMPHOCYTES, drug effects/ MACROPHAGES, drug effects/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, drug effects/ MITOCHONDRIAL SWELLING, drug effects/ PLASMA CELLS, drug effects/ POLYRIBOSOMES, drug effects/ RABBITS/ RIBOSOMES, drug effects
4299. Zakut H, Insler V, Serr DM: [Cycle pattern and incidence of pregnancy following combined clomiphene-estrogen therapy] *Harefuah* 85:311-4, 1 Oct 73 (Heb)
*CLOMIPHENE, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ *MENSTRUATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy
4300. Zanartu J, Dabancens A, Oberti C, et al: Low-dosage oral progestogens to control fertility. I. clinical investigation. *Obstet Gynecol* 43:87-96, Jan 74
ADOLESCENCE/ ADULT/ CERVIX MUCUS, drug effects/ CLINICAL RESEARCH/ COITUS/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, administration & dosage/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDOMETRIUM,

AUTHOR SECTION

- drug effects/ ETHYNODIOL DIACETATE, administration & dosage/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ FSH, metabolism/ HUMAN/ HYDROXYSTEROIDS, administration & dosage/ KETOSTEROIDS, administration & dosage/ LH, metabolism/ MENSTRUATION, drug effects/ NORPREGNANES, administration & dosage/ NORPREGNANES, pharmacodynamics/ OVARY, drug effects/ PREGNADIENEDIOLS, administration & dosage/ PREGNANEDIOL, urine/ PREGNATRIENES, administration & dosage/ PREGNENEDIONES, administration & dosage/ *PROGESTATIONAL HORMONES, administration & dosage/ PROGESTATIONAL HORMONES, adverse effects/ PROGESTATIONAL HORMONES, pharmacodynamics/ STEROIDS, CHLORINATED, administration & dosage/ SULFIDES, administration & dosage/ VAGINA, cytology/ VAGINA, drug effects
4301. Zanini A, Giannattasio G, Meldolesi J: Studies on in vitro synthesis and secretion of growth hormone and prolactin. II. Evidence against the existence of precursor molecules. *Endocrinology* 91:104-11, Jan 74
- ANIMAL EXPERIMENTS/ CARBON RADIOISOTOPES/ CELL FRACTIONATION/ CYTOCHROME OXIDASE, analysis/ ELECTROPHORESIS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ GLUCOSEPHOSPHATASE, analysis/ IN VITRO/ KINETICS/ LEUCINE, metabolism/ MICROSOMES, enzymology/ MICROSOMES, metabolism/ NUCLEOTIDASES, analysis/ PITUITARY GLAND, cytology/ PITUITARY GLAND, enzymology/ *PITUITARY GLAND, metabolism/ *PROLACTIN, biosynthesis/ RATS/ *SOMATOTROPIN, biosynthesis
4302. Zapf J, Waldvogel M, Froesch ER: Protein kinase and cyclic AMP-binding activities in liver and adipose tissue of normal, streptozotocin-diabetic and adrenalectomized rats. *FEBS Lett* 36:253-6, 1 Nov 73
- *ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ *ADIPOSE TISSUE, metabolism/ *ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ CASEIN/ DIABETES MELLITUS, chemically induced/ DIABETES MELLITUS, enzymology/ *DIABETES MELLITUS, metabolism/ ENZYME ACTIVATION/ KINETICS/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ PHOSPHORUS RADIOISOTOPES/ PROTEIN BINDING/ *PROTEIN KINASE, metabolism/ RATS/ *STREPTOZOTOCIN/ TRITIUM
4303. Zappi E, Nemirovsky M, Shulman S: Contralateral epididymo-orchitis after cryo-injury to the male rabbit gonad. *Immunology* 25:891-903, Nov 73
- ANIMAL EXPERIMENTS/ AUTOANTIBODIES/ COMPLEMENT FIXATION TESTS/ EDEMA/ EPIDIDYMITIS, pathology/ *EPIDIDYMITIS, etiology/ *FREEZING/ GEL DIFFUSION TESTS/ HEMAGGLUTINATION TESTS/ IMMUNITY, CELLULAR/ LYMPHOCYTES/ MALE/ *ORCHITIS, etiology/ RABBITS/ *TESTIS, injuries/ TESTIS, pathology
4304. Zappi E, Shulman S: Early histological changes in experimental contralateral epididymo-orchitis in the rabbit. *J Reprod Fertil* 36:23-8, Jan 74
- ANIMAL EXPERIMENTS/ AUTOANTIGENS/ COLD/ EDEMA/ EOSINOPHILS/ EPIDIDYMITIS, pathology/ *EPIDIDYMITIS, pathology/ EPITHELIUM/ GERM CELLS/ MALE/ *ORCHITIS, pathology/ RABBITS/ TESTIS, injuries
4305. Zara C, Zuffardi O: Analisi cariotipica di un carcinoma ovarico con la tecnica della fluorescenza. *Ann Ostet Ginecol Med Perinat* 93:546-52, Aug 72 (Ita)
- CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ *FLUORESCENCE/ HUMAN/ KARYOTYPING/ METHODS/ MIDDLE AGE/ *OVARIAN NEOPLASMS, familial & genetic
4306. Zárate A, Canales ES, Soria J: Tratamiento de la esterilidad anovulatoria. VI. Resultados con el uso de la hormona hipotalámica gonadotrópica. *Ginecol Obstet Mex* 34:475-87, Nov 73 (Spa)
- ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ FSH, secretion/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ *LH, secretion/ *OVULATION, drug effects/ *PITUITARY HORMONE RELEASING HORMONES, therapeutic use/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ TIME FACTORS
4307. Zárate A, Canales ES, Soria J, et al: Effect of acute administration of L-dopa on serum concentrations of follicle-stimulating hormone (FSH) and luteinizing hormone (LH) in patients with the amenorrhea-galactorrhea syndrome. *Neuroendocrinology* 12:362-5, 1973
- ADMINISTRATION, ORAL/ ADULT/ *AMENORRHEA, drug therapy/ *DOPA, administration & dosage/ DOPA, therapeutic use/ FEMALE/ *FSH, blood/ HUMAN/ *LACTATION DISORDERS, drug therapy/ *LH, blood/ SYNDROME
4308. Zárate A, Canales ES, Soria J, et al: Secreción de prolactin (PRL) durante el ciclo menstrual normal. *Rev Invest Clin* 25:315-20, Oct-Dec 73 (Spa)
- ADMINISTRATION, ORAL/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ HUMAN/ INJECTIONS, INTRAVENOUS/ LH, blood/ *MENSTRUATION/ *PROLACTIN, blood/ THYROTROPIN RELEASING HORMONE, administration & dosage
4309. Zaripova ZKh, Orkodashvili LSh, Alekseeva GG: Uroven' sakhara, svobodnykh zhirnykh kislot i immunoreaktivnogo insulina v krovi u bol'nykh diffuznym toksicheskim zobom v dinamike proby na tolerantnost' k gliukoze. *Probl Endokrinol (Mosk)* 19:13-6, Nov-Dec 73 (Rus)
- ADULT/ *ANTIGENS/ *BLOOD SUGAR/ ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ *GOITER, EXOPHTHALMIC, blood/ HUMAN/ *INSULIN, blood/ MIDDLE AGE
4310. Zaun H, Altmeyer P: Ergebnisse reflexphotometrischer Bestimmungen der Vasoconstriction nach topischer Steroidapplikation. Methode, Aussagekraft, Fehlerquellen. *Arch Dermatol Forsch* 247:379-86, 1973 (Ger)
- DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, TOPICAL, administration & dosage/ *GLUCOCORTICOIDS, TOPICAL, pharmacodynamics/ HUMAN/ INJECTIONS, INTRADERMAL/ METHODS/ *PHOTOMETRY/ PREDNISOLONE, TOPICAL, pharmacodynamics/ SKIN, blood supply/ *SKIN, drug effects/ SKIN ABSORPTION/ TRIAMCINOLONE, pharmacodynamics/ TRIAMCINOLONE ACETONIDE, pharmacodynamics/ *VASOCONSTRICTOR AGENTS, pharmacodynamics
4311. Zawilska K, Timsit J, Giroud JP, et al: Plaquettes et inflammation. II. Action "in vitro" de la carragénine sur les plaquettes sanguines humaines et de rat. Comparaison avec l'action de la prostaglandine E2. *Pathol Biol (Paris)* 21:Suppl:57-9, Nov 73 (Fre)
- ADENOSINE DIPHOSPHATE, antagonists & inhibitors/ *ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL EXPERIMENTS/ *BLOOD PLATELETS, drug effects/ *CARRAGEENAN, pharmacodynamics/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ *INFLAMMATION/ *PLATELET ADHESIVENESS, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ RATS

AUTHOR SECTION

4312. Zawirska B, Paluszynska H: Kasuistischer Beitrag zur Differentialdiagnose der Prophyrrie.
Z Gesamte Inn Med 28:657-60, 1 Nov 73 (Ger)
ADDISON'S DISEASE, diagnosis/ ADRENAL GLAND HYPOFUNCTION, complications/ ADRENAL GLAND HYPOFUNCTION, pathology/ ADRENAL GLANDS, analysis/ ADRENAL GLANDS, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HEMOCHROMATOSIS, diagnosis/ HUMAN/ MIDDLE AGE/ PORPHYRIA, complications/ *PORPHYRIA, diagnosis/ PORPHYRIA, pathology/ PORPHYRINS, analysis
4313. Zdichynec B: Der zeitliche Verlauf des Achillessehnenreflexes bei Arteriosklerose.
Z Gesamte Inn Med 28:462-5, 1 Aug 73 (Ger)
ACHILLES TENDON, physiopathology/ ADULT/ AGE FACTORS/ AGED/ *ARTERIOSCLEROSIS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ *REFLEX, TENDON
4314. Zech P, Meunier P, Beruand M, et al: Les stades de début de l'ostéodystrophie rénale. Etude par biopsie quantitative dans l'insuffisance rénale aiguë (I.R.A.).
Nouv Presse Med 2:2551, 27 Oct 73 (Fre)
BIOPSY/ BONE AND BONES, pathology/ BONE RESORPTION/ HUMAN/ *KIDNEY FAILURE, ACUTE, complications/ METHODS/ *RENAL OSTEODYSTROPHY, diagnosis/ RENAL OSTEODYSTROPHY, etiology/ TIME FACTORS
4315. Zeitoun MM, Hassan AI, Hussein ZM, et al: Adrenal glucocorticoid function in acute viral infections in children. Acta Paediatr Scand 62:608-14, Nov 73
ADOLESCENCE/ *ADRENAL GLANDS, metabolism/ *CHICKENPOX, blood/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ *17-HYDROXYCORTICOSTEROIDS, blood/ *HYPOTHALAMUS, metabolism/ INFANT/ MALE/ *MEASLES, blood/ METYRAPONE, diagnostic use/ METYRAPONE, pharmacodynamics/ *MUMPS, blood/ *PITUITARY GLAND, metabolism/ *POLIOMYELITIS, blood/ STIMULATION, CHEMICAL/ TIME FACTORS
4316. Zental A, Gógl A, Hasitz S, et al: Levelek: Az anticoncepció szedő nők laboratóriumi ellenőrzéséről. Orv Hetil 114:3054, 16 Dec 73 (Hun)
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HUNGARY/ LIVER FUNCTION TESTS
4317. Zertsalova GN: Gistomorfologicheskie izmeneniia kozhi u hol'nykh gerpetiformnym dermatitom Düringa.
Vestn Dermatol Venerol 47:53-5, Jul 73 (Rus)
ADULT/ AGED/ ALKYL SULFONATES, therapeutic use/ CORTICOSTERONE, therapeutic use/ DERMATITIS HERPETIFORMIS, drug therapy/ *DERMATITIS HERPETIFORMIS, pathology/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ *SKIN, pathology/ SULFHYDRYL COMPOUNDS, therapeutic use
4318. Zesch A, Schaefer H: Penetrationskinetik von radiomarkiertem Hydrocortison aus verschiedenen Salbengrundlagen in die menschliche Haut-in vitro.
Arch Dermatol Forsch 246:335-54, 28 May 73 (Ger)
CELL MEMBRANE PERMEABILITY/ EMULSIONS, standards/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, TOPICAL, metabolism/ IN VITRO/ *OINTMENTS, standards/ PETROLATUM, standards/ *PHARMACEUTIC AIDS, standards/ SKIN, metabolism/ *SKIN ABSORPTION/ TRITIUM
4319. Zetterlund CG, Zsigmond M: Posterior para-urethral diverticulum. Case report.
Scand J Urol Nephrol 7:228-32, 1973
BLADDER CALCULI, complications/ *BLADDER DISEASES, complications/ BLADDER DISEASES, pathology/ BLADDER DISEASES, radiography/ BLADDER DISEASES, surgery/ CHILD/ *CRYPTORCHISM, complications/ CRYPTORCHISM, surgery/ *DIVERTICULOSIS, complications/ DIVERTICULOSIS, pathology/ DIVERTICULOSIS, radiography/ DIVERTICULOSIS, surgery/ EJACULATORY DUCTS, pathology/ HUMAN/ MALE/ PROTEUS INFECTIONS/ *URETHRAL DISEASES, complications/ URETHRAL DISEASES, radiography/ URETHRAL DISEASES, surgery/ URINARY TRACT INFECTIONS, etiology
4320. Zeuthen E, Nielsen J: Pericentric Y inversion in the general population.
Humangenetik 19:265-70, 20 Sep 73
ADULT/ CELL DIVISION/ *CHROMOSOME ABERRATIONS/ DENMARK/ GENETICS, POPULATION/ HUMAN/ INTELLIGENCE/ KARYOTYPING/ MALE/ PEDIGREE/ PERSONALITY/ *SEX CHROMOSOMES
4321. Zhantlieva EM, Bogolavenskaya NV, Starostina TA, et al: Aktivnost' dezoksirihonukleazy-II v platsente i miometril zhenshchin pri zapozdalykh pri zapozdalykh rodakh perenoshennym plodom i slahost' rodovykh sil.
Akush Ginekoi (Mosk) 49:27-8, Jun 73 (Rus)
*DEOXYRIBONUCLEASE, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PLACENTA, enzymology/ PREGNANCY/ *PREGNANCY, PROLONGED/ SPECTROPHOTOMETRY/ *UTERINE INERTIA, enzymology/ *UTERUS, enzymology
4322. Zhivetskii AV, Bluvshstein IN: Nakoplenie radioaktivnogo joda shchitovidnoi zhelezy u hol'nykh fibroadenomatizom i rakom molochnoi zhelezy.
Vrach Delo 5:89-91, May 73 (Rus)
*ADENOFIBROMA, physiopathology/ *BREAST NEOPLASMS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ GOITER, physiopathology/ HUMAN/ IODINE ISOTOPES, diagnostic/ MASTECTOMY/ OBESITY, physiopathology/ *THYROID GLAND FUNCTION TESTS/ UKRAINE
4323. Zhivotkov KhI: Follikuliarnye kisty v laichnikakh u kohyl. Veterinarlia 49:83-4, Jan 73 (Rus)
ANIMAL EXPERIMENTS/ ESTRUS/ FEMALE/ *HORSE DISEASES, etiology/ HORSE DISEASES, prevention & control/ HORSES/ OVARIAN CYSTS, etiology/ OVARIAN CYSTS, prevention & control/ *OVARIAN CYSTS, veterinary
4324. Zhukova NP, Komarova IG, Borisova OM, et al: Sostoianie zdorov'ia i nekotorye pokazateli reaktivnosti detei v period adaptatsii k shkole i v dinamike pervogo goda okhucheniia.
Vopr Okhr Materin Det 18:22-5, Jul 73 (Rus)
*ADAPTATION, PSYCHOLOGICAL/ CATECHOLAMINES, urine/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ LEARNING/ *SCHOOL HEALTH/ STEROIDS, urine/ *STRESS, physiopathology/ TIME FACTORS
4325. Ziai M, Abassioum K: Intracranial hypertension, papilledema, and normal neurologic investigations.
Clin Pediatr (Phila) 12:30A-31A, Nov 73
CHILD/ HEADACHE, etiology/ HUMAN/ MALE/ NEUROLOGIC EXAMINATION/ *PAPILLEDEMA, etiology/ *PSEUDOTUMOR CEREBRI, complications/ PSEUDOTUMOR CEREBRI, drug therapy/ PSEUDOTUMOR CEREBRI, therapy/ SPINAL PUNCTURE/ STEROIDS, therapeutic use
4326. Ziai M, Vines R: Failure to thrive, vomiting, and undescended testes in a two-month-old boy.
Clin Pediatr (Phila) 12:31A, Nov 73
*ADRENOGENITAL SYNDROME, diagnosis/ *CRYPTORCHISM, complications/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/

AUTHOR SECTION

- INFANT/ *INFANT NUTRITION DISORDERS, complications/ 17-KETOSTEROIDS, urine/ POTASSIUM, blood/ *PSEUDOHERMAPHRODITISM, diagnosis/ SEX CHROMATIN, analysis/ SODIUM, blood/ *VOMITING, complications
4327. Zieger B: Über die Brauchbarkeit der Korotkoff-Töne (QKD-Intervall) als Screening-Test für die Schilddrüsenfunktionsdiagnostik. Z Gesamte Inn Med 28:492-7, 15 Aug 73 (Ger)
ADULT/ COMPARATIVE STUDY/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, physiopathology/ *HYPERTHYROIDISM, diagnosis/ HYPOTENSION, physiopathology/ MALE/ MASS SCREENING/ METHODS/ MIDDLE AGE/ PHONOCARDIOGRAPHY/ *THYROID GLAND FUNCTION TESTS
4328. Zierden E, Wessels F, Wagner H, et al: Tierexperimentelle Untersuchungen zum Kohlenhydrat- und Insulinstoffwechsel beim DOC-Hochdruck der Ratte. Med Welt 24:1603-4, 19 Oct 73 (Ger)
ANIMAL EXPERIMENTS/ *CARBOHYDRATES, metabolism/ DESOXYCORTICOSTERONE/ DISEASE MODELS, ANIMAL/ GLUCOSE TOLERANCE TEST/ HYPERTENSION, chemically induced/ *HYPERTENSION, metabolism/ *INSULIN, metabolism/ MALE/ RATS
4329. Zilberman A, Sharf B, Sharf M, et al: [Electroencephalography in male sterility] Harefuah 85:308-7, 1 Oct 73 (Heb)
CLOMIPHENE, therapeutic use/ *ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMUS, physiology/ MALE/ SEX FACTORS/ STERILITY, FEMALE, physiopathology/ *STERILITY, MALE, physiopathology
4330. Zimmerman AW, Holden KR, Relter EO, et al: Medroxyprogesterone acetate in the treatment of seizures associated with menstruation. J Pediatr 83:959-63, Dec 73
CHILD/ CHILD, PRESCHOOL/ CONVULSIONS, etiology/ EPILEPSY, blood/ EPILEPSY, complications/ *EPILEPSY, drug therapy/ EPILEPSY, urine/ FEMALE/ FSH, blood/ FSH, urine/ HUMAN/ LH, blood/ LH, urine/ MEDROXYPROGESTERONE, administration & dosage/ *MEDROXYPROGESTERONE, therapeutic use/ *MENSTRUATION/ MENSTRUATION DISORDERS, blood/ *MENSTRUATION DISORDERS, drug therapy/ MENSTRUATION DISORDERS, etiology/ MENSTRUATION DISORDERS, urine
4331. Zimmerman JE Jr, Glaser R, Rapp F: Effect of dibutylcyclic AMP on the induction of Epstein-Barr virus in hybrid cells. J Virol 12:1442-5, Dec 73
ADENOSINE, pharmacodynamics/ ADENOSINE CYCLIC 3',5' MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANTIGENS, VIRAL/ *BURKITT'S LYMPHOMA VIRUS, growth & development/ BURKITT'S LYMPHOMA VIRUS, immunology/ BUTYRATES, pharmacodynamics/ CULTURE MEDIA/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FLUORESCENT ANTIBODY TECHNIC/ HYBRID CELLS, immunology/ *HYBRID CELLS, microbiology/ IDOXURIDINE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics
4332. Zimmermann-Telchow H, Wiegelmann W, Solbach HG, et al: The different responses of blood amino acids and blood glucose to the administration of insulin to patients with acromegaly. Horm Metab Res 5:474-5, Nov 73
*ACROMEGALY, blood/ ADULT/ *AMINO ACIDS, blood/ *BLOOD SUGAR, metabolism/ BODY WEIGHT/ FATTY ACIDS, blood/ FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ *INSULIN, pharmacodynamics/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ SOMATOTROPIN, blood/ TIME FACTORS
4333. Zinov'ev IP, Diveeva LM: O leikemoidnykh reaktivakh pri fibrozno-kavernoznom tuherkuleze legkikh. Sov Med 36:119-22, Mar 73 (Rus)
ADULT/ AGED/ *BONE MARROW CELLS, immunology/ BONE MARROW EXAMINATION/ ENGLISH ABSTRACT/ ERYTHROPOIESIS/ FEMALE/ HEMATOPOIESIS/ HUMAN/ *LEUKEMOID REACTION/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE/ NEUROPHYSINS, immunology/ TUBERCULOSIS, PULMONARY, immunology
4334. Zluzin IK, Gorodinskiy SM, Kuznets EI: Ob izmenenii soderzhanlia kal'tsia v kostnoi tkani cheloveka pri teplovom vozdeistvii. Kosm Biol Med 7:78-83, Jul-Aug 73 (Rus)
ADULT/ *BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ ERYTHROCYTES, metabolism/ *HEAT/ HUMAN/ MALE/ SPECTRUM ANALYSIS/ TRACE ELEMENTS, blood
4335. Ziv G, Shani J, Sulman FG: Pharmacokinetic evaluation of penicillin and cephalosporin derivatives in serum and milk of lactating cows and ewes. Am J Vet Res 34:1561-5, Dec 73
AMPICILLIN, administration & dosage/ AMPICILLIN, blood/ ANIMAL EXPERIMENTS/ *CATTLE, metabolism/ CEPHALOGLYCIN, administration & dosage/ CEPHALOGLYCIN, blood/ CEPHALORIDINE, administration & dosage/ CEPHALORIDINE, blood/ *CEPHALOSPORINS, metabolism/ CLOXACILLIN, administration & dosage/ CLOXACILLIN, blood/ FEMALE/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ LACTATION/ MALE/ *MILK, metabolism/ *PENICILLIN, metabolism/ PENICILLIN G, administration & dosage/ PENICILLIN G, blood/ PENICILLIN, PHENOXYMETHYL, administration & dosage/ PENICILLIN, PHENOXYMETHYL, blood/ PREGNANCY/ *SHEEP, metabolism/ TIME FACTORS
4336. Zivković B, Vuković B: Naša iskustva u dijagnostici i liječenju sekundarne neplodnosti zbog oštećenja jajovoda. Lijec Vjesn 95:497-501, Sep 73 (Cro)
*ABORTION, INDUCED, adverse effects/ ADULT/ CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ *FALLOPIAN TUBES/ FEMALE/ HUMAN/ HYALURONIDASE, therapeutic use/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, drug therapy/ *STERILITY, FEMALE, etiology
4337. Zlatin RS: Do pytan'ia pro fiziologichnu kharakterystiku khemoretseptyvnykh struktur zadn'oho hipotalamusa. Fiziol Zh 19:586-92, Sep-Oct 73 (Ukr)
*CHEMORECEPTORS, physiology/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHALAMUS, physiology
4338. Zollinger RM: Proceedings: Islets of Langerhans. Proc Natl Cancer Conf 7:523-7, 1973
DIARRHEA, etiology/ FLUOROURACIL, therapeutic use/ FOLLOW-UP STUDIES/ GASTRECTOMY/ GASTRIN, secretion/ GLUCAGON, secretion/ HUMAN/ IMMUNOASSAY/ INSULIN, secretion/ *ISLET CELL TUMOR, diagnosis/ NEOPLASM METASTASIS/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ *PANCREATIC NEOPLASMS, diagnosis/ PANCREATIC NEOPLASMS, drug therapy/ PANCREATIC NEOPLASMS, therapy/ STREPTOZOTOCIN, therapeutic use
4339. Zook BC: Lead intoxication in urban dogs. Clin Toxicol 6:377-88, 1973
AGE FACTORS/ ANIMAL EXPERIMENTS/ ANIMALS, NEWBORN/ BONE AND BONES, pathology/ BRAIN, pathology/ CANADA/ *DOG DISEASES, occurrence/ DOG DISEASES,

AUTHOR SECTION

- pathology/ DOG DISEASES, radiography/
DOGS/ ENVIRONMENTAL EXPOSURE/
EUROPE/ GREAT BRITAIN/ KIDNEY,
pathology/ LEAD, metabolism/ LEAD
POISONING, occurrence/ LEAD POISONING,
pathology/ LEAD POISONING, radiography/
*LEAD POISONING, veterinary/ NEW
ZEALAND/ RHODESIA/ TIME FACTORS/
UNITED STATES
4340. Zubovich VK, Beletskaya VJa, Chernous GM, et al: O
vllianil polovogo kriza na fiziolicheskuu zhelutku
novorozhdennykh.
Vopr Okhr Materin Det 18:55-8, Jan 73 (Rus)
ASPHYXIA NEONATORUM, physiopathology/
BILIRUBIN, blood/ ENGLISH ABSTRACT/
FEMALE/ HUMAN/ INFANT, NEWBORN/
*JAUNDICE, NEONATAL, chemically induced/
MALE/ *SEX HORMONES, physiology
4341. Zuger B: Effeminate behavior in boys. Parental age and
other factors. Arch Gen Psychiatry 30:173-7, Feb 74
ADOLESCENCE/ ADULT/ AGE FACTORS/
BIRTH ORDER/ BIRTH WEIGHT/ CHILD/
*CHILD BEHAVIOR/ CHILD DEVELOPMENT/
COMPARATIVE STUDY/ CONNECTICUT/
CRYPTORCHISM, occurrence/ ENURESIS,
occurrence/ *HOMOSEXUALITY, etiology/
HUMAN/ INGUINAL HERNIA, occurrence/
MALE/ MATERNAL AGE/ MENTAL
DISORDERS, complications/ *PARENTS/
PREGNANCY/ PREGNANCY
COMPLICATIONS, occurrence/
*PSYCHOSEXUAL DEVELOPMENT/ SEX
FACTORS/ SPEECH DISORDERS, occurrence
4342. Zulik R, Bako F, Kisbán A: Zur Behandlung der
Knollenblätterpilzvergiftung.
Med Klln 68:1371-2, 15 Oct 73 (Ger)
ADOLESCENCE/ ADULT/ AGED/
ANTITOXINS, therapeutic use/ DRUG
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4343. Zurier RB: Prostaglandins, inflammation, and asthma.
Arch Intern Med 133:101-10, Jan 74 (145 ref.)
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4344. Zurier RB, Weissmann G, Hoffstein S, et al:
Mechanisms of lysosomal enzyme release from human
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agonists, and agents which affect microtubule
function. J Clin Invest 53:297-309, Jan 74
*ADENOSINE CYCLIC 3',5'
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4345. Zvereva GA, Artem'eva NS: Funktsional'nye i
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Akush Ginekol (Mosk) 49:42-5, Aug 73 (Rus)
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4346. Zwodziak W: Leczenie migreny preparatem BC-105.
Wlad Lek 28:2207-9, 1 Dec 73 (Pol)
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ANONYMOUS

- Acta Endocrinol [Suppl] (Kbh)
4347. IX Acta endocrinologica Congress, Oslo, 17-21 June,
1973. Acta Endocrinol [Suppl] (Kbh) 177:1-402, 1973
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- Arch Neurol
4348. Brain research and violent behavior. A summary and
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Neuroanatomical and neurophysiologic studies.
Arch Neurol 30:1-8, Jan 74 (55 ref.)
*AGGRESSION/ AMYGDALOID BODY,
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4349. Brain research and violent behavior. A summary and
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studies. Arch Neurol 30:23-6, Jan 74 (56 ref.)
*AGGRESSION/ AMYGDALOID BODY,
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4350. Editorial: Nourishment in illness.
Br J Anaesth 45:935-6, Sep 73
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Br Med J

4351. Editorial: Growth after renal transplantation.
Br Med J 4:505-6, 1 Dec 73
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4352. Editorial: Radiological aspects of familial medullary
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4354. Letter: Post-pill amenorrhoea.
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Br Med J 4:241-2, 27 Oct 73
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Br Med J 1:38-9, 5 Jan 74
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Chin Med J

4359. [Combined Chinese and Western therapy in nephrotic
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Chin Med J 10:613-8, 1973 (Chi)
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Drug Ther Bull

4360. Immunosuppressive drugs in active chronic hepatitis.
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4361. Prednisolone for idiopathic (Bell's) facial palsy.
Drug Ther Bull 11:89-70, 31 Aug 73
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Ill Med J

4362. Surgical grand rounds: Adrenal cyst.
Ill Med J 141:212-4, Feb 73
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Indian J Pediatr

4363. The onset of puberty. Indian J Pediatr 40:200-1, May 73
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4364. Letter: Psychotropic drugs in addiction.
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4365. Letter: Thirst control. JAMA 228:1570, 24 Dec 73
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Lancet

4366. Editorial: Hypercalcaemia, cancer, and prostaglandins.
Lancet 2:1247-8, 1 Dec 73
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4367. Editorial: Herpes simplex encephalitis.
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4368. Editorial: Liver tumours and steroid hormones.

AUTHOR SECTION

- Lancet 2:1481, 29 Dec 73
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 4369. Editorial: Perioral dermatitis.
 Med J Aust 2:666-7, 6 Oct 73
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 4370. New developments in pharmacology of vitamin D.
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4371. Bleomycin--a new anticancer drug.
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- Minn Med
 4372. Mexican arthritis clinics. A statement by the
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 4373. Growth hormone and serotonin antagonist.
 N Engl J Med 289:870-1, 18 Oct 73
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4374. Case records of the Massachusetts General Hospital.
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4375. Surgically confirmed gallbladder disease, venous
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 N Engl J Med 290:98-102, 10 Jan 74
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 N Engl J Med 289:472-9, 30 Aug 73
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 4379. Effect of vitamin D3 and other factors on phosphate
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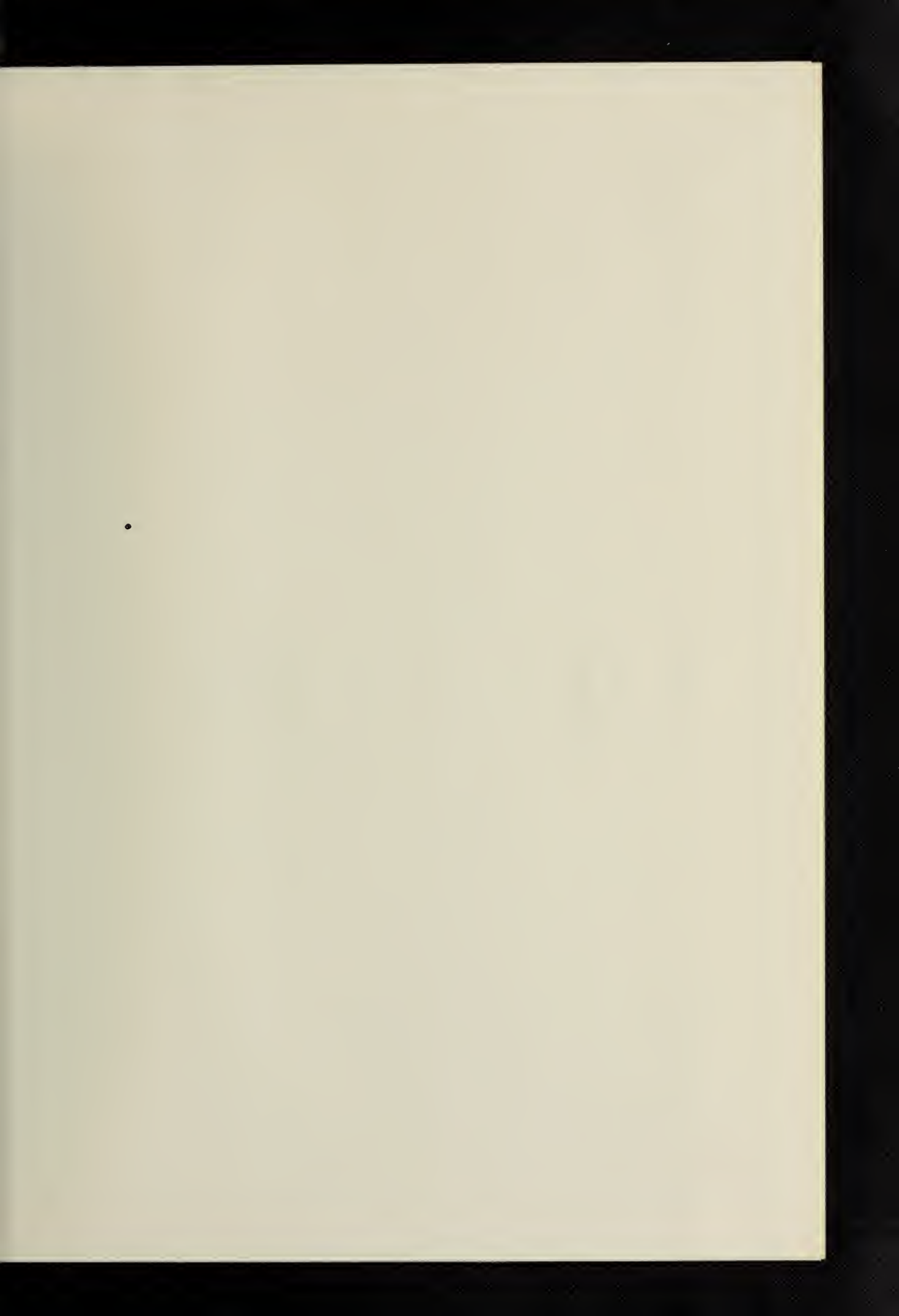
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